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UNITED STATES  
DEPARTMENT OF AGRICULTURE

**AGRICULTURAL  
STATISTICS  
1989**



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# Agricultural Statistics, 1989

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# Introduction

*Agricultural Statistics* is published each year to meet the diverse need for a reliable reference book on agricultural production, supplies, consumption, facilities, costs, and returns. Its tables of annual data cover a wide variety of facts in forms suited to most common use.

Inquiries concerning more current or more detailed data, past and prospective revisions, or the statistical methodology used should be addressed directly to the agency credited with preparing the table. Most of the data were prepared or compiled in the U.S. Department of Agriculture.

The historical series in this volume have been generally limited to data beginning with 1973 or later.

Foreign agricultural trade statistics include Government as well as non-Government shipments of merchandise from the United States and Territories to foreign countries. They do not include U.S. shipments to the U.S. Armed Forces abroad for their own use or shipments between the States and U.S. Territories. The world summaries of production and trade of major farm products are prepared by the U.S. Department of Agriculture from reports of the U.S. Department of Commerce, official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, and the result of office research.

Statistics presented in many of the tables represent actual counts of the items covered. Most of the statistics relating to foreign trade and to Government programs, such as numbers and amounts of loans made to farmers, and amounts of loans made by the Commodity Credit Corporation, etc., are data of this type. A large number of other tables, however, contain data that are estimates made by the Department of Agriculture.

The estimates for crops, livestock, and poultry made by the U.S. Department of Agriculture are prepared mainly to give timely current State and national totals and averages. They are based on data obtained by sample surveys of farmers and of people who do business with farmers. The survey data are supplemented by information from the Censuses of Agriculture taken every 5 years and check data from various sources. Being estimates, they are subject to revision as more data become available from commercial or Government sources. Unless otherwise indicated, the totals for the United States shown in the various tables on area, production, numbers, price, value, supplies, and disposition are based on official Department estimates. They exclude States for which no official estimates are compiled.

## DEFINITIONS

"Value of production" as applied to crops in the various tables, is derived by multiplying production by the estimated season average price received by farmers for that portion of the commodity actually sold. In the case of fruits and vegetables, quantities not harvested because of low prices or other economic factors are not included in value of production. The word "Value" is used in the inventory tables on livestock and poultry to mean value of the number of head on the inventory date. It is derived by multiplying the number of head by an estimated value per head as of the date.

The word "Year" (alone) in a column heading means calendar year unless otherwise indicated. "Ton" when used in this book without qualifications means a short ton of 2,000 pounds.

**WEIGHTS, MEASURES, AND CONVERSION FACTORS**

The following table on weights, measures, and conversion factors covers the most important agricultural products, or the products for which such information is most frequently asked of the U.S. Department of Agriculture. It does not cover all farm products nor all containers for any one product.

The information has been assembled from State schedules of legal weights, various sources within the U.S. Department of Agriculture, and other Government agencies. For most products, particularly fruits and vegetables, there is a considerable variation in weight per unit of volume due to differences in variety or size of commodity, condition and tightness of pack, degree to which the container is heaped, etc. Effort has been made to select the most representative and fairest average for each product. For those commodities which develop considerable shrinkage, the point of origin weight or weight at harvest has been used.

The approximate or average weights as given in this table do not necessarily have official standing as a basis for packing or as grounds for settling disputes. Not all of them are recognized as legal weight. The table was prepared chiefly for use of workers in the U.S. Department of Agriculture who have need of conversion factors in statistical computations.



WEIGHTS, MEASURES, AND CONVERSION FACTORS  
(See explanatory text just preceding this table)

WEIGHTS AND MEASURES

Commodity	Unit <sup>1</sup>	Approximate net weight		Commodity	Unit <sup>1</sup>	Approximate net weight		
		U.S.	Metric			U.S.	Metric	
		<i>Pounds</i>	<i>Kilo-grams</i>			<i>Pounds</i>	<i>Kilo-grams</i>	
Alfalfa seed	Bushel.....	60	27.2	Cherries.....	{ Lug (Campbell) <sup>12</sup> .....	16	7.3	
	.....do.....	48	21.8			Lug.....	20	9.1
Apples.....	Northwest box <sup>2</sup> .....	44	20.0	Clover seed.....	Bushel.....	60	27.2	
	Fiberboard box, cell pack.....	37-44	16.8-20.0	Coffee.....	Bag.....	132.3	60	
Apricots.....	Lug (brentwood) <sup>3</sup> .....	24	10.9	Corn:				
Western.....	4-basket crate <sup>4</sup> .....	26	11.8	Ear, husked.....	Bushel.....	<sup>13</sup> 70	31.8	
Artichokes:	Globe.....	20	9.1	Shelled.....	.....do.....	56	25.4	
	Jerusalem.....	Bushel.....	50	22.7	Meal.....	.....do.....	50	22.7
Asparagus.....	Crate.....	30	13.6	Oil.....	Gallon.....	<sup>10</sup> 7.7	3.5	
Avocados.....	Lug <sup>5</sup> .....	12-15	5.4-6.8	Sirup.....	.....do.....	11.72	5.3	
Bananas.....	Fiber folding box <sup>6</sup> .....	40	18.1	Sweet.....	{ Mesh or paper bag.....	45-50	20.4-22.7	
Barley.....	Bushel.....	48	21.8			Wirebound crate.....	40-60	18.1-27.2
Beans:	Lima, dry.....	56	25.4	Cotton.....	{ Bale, gross.....	<sup>14</sup> 500	227	
	Other, dry.....	60	27.2	Cottonseed.....	{ Bale, net.....	<sup>14</sup> 480	218	
Lima, unshelled.....	Bushel.....	28-32	12.7-14.5	Cottonseed oil.....	Bushel.....	<sup>15</sup> 32	14.5	
Snap.....	.....do.....	28-32	12.7-14.5	Cowpeas.....	Bushel.....	<sup>10</sup> 7.7	3.5	
Beets:	Without tops.....	50	22.7	Cranberries.....	{ Barrel.....	100	45.4	
	Bunched.....	Wirebound crate.....	45	20.4	.....do.....	{ ¼-bbl. box <sup>16</sup> .....	25	11.3
Berries frozen pack:	Without sugar.....	50-gal. barrel.....	380	172	Cream, 40-percent butterfat.....	Gallon.....	8.38	3.80
	3 + 1 pack.....	.....do.....	425	193	Cucumbers.....	Bushel.....	48	21.8
2 + 1 pack.....	.....do.....	450	204	Dewberries.....	24-qt. crate.....	36	16.3	
Blackberries.....	24-qt. crate.....	36	16.3	Eggplant.....	Bushel.....	33	15.0	
Bluegrass seed.....	Bushel.....	14-30	6.4-13.6	Eggs, average size.....	Case, 30 dozen.....	47.0	21.3	
Broccoli.....	Wirebound crate.....	20-25	9.1-11.3	Escarole.....	Bushel.....	25	11.3	
Broomcorn (6 bales per ton).....	Bale.....	333	151	Figs, fresh.....	Box single layer <sup>17</sup> .....	6	2.7	
Broomcorn seed.....	Bushel.....	44-50	20.0-22.7	Flaxseed.....	Bushel.....	56	25.4	
Brussels sprouts.....	Drums.....	25	11.3	Flour, various.....	Bag.....	100	45.4	
Buckwheat.....	Bushel.....	48	21.8	Grapefruit:				
Butter.....	Box.....	64	29.0	Florida and Texas.....	½-box mesh bag.....	40	18.1	
Cabbage.....	Open mesh bag.....	50	22.7	Florida.....	1½ bu. box.....	85	38.6	
	Wirebound crate <sup>7</sup> .....	50	22.7	Texas.....	1½ bu. box.....	80	36.3	
Cantaloups.....	Western crate <sup>8</sup> .....	80	36.3	California				
	Jumbo crate <sup>9</sup> .....	83	37.6	Desert Valleys and Arizona.....	{ Box <sup>18</sup> .....	<sup>19</sup> 64	29.0	
Carrots:	Bushel.....	50	22.7	California other than Desert Valleys.....	{ Carton <sup>20</sup> .....	32	14.5	
	Without tops.....	Open mesh bag.....	50	22.7	Grapes:			
Castor beans.....	Bushel.....	41	18.6	Eastern.....	{ 4-qt. climax basket.....	6	2.7	
	Castor oil.....	Gallon.....	10.8	3.6	.....do.....	{ 12-qt. basket.....	18-20	8.2-9.1
Cauliflower.....	W.G.A. crate.....	50-60	22.7-27.2	Western.....	{ Lug <sup>21</sup> .....	28	12.7	
	Fiberboard box wrapper leaves removed film-wrapped, 2 layers.....	23-35	10.4-15.9	Hempseed.....	{ 4-basket crate <sup>22</sup> .....	20	9.1	
Celery.....	Crates <sup>21</sup> .....	60	27.2	Hickory nuts.....	Bushel.....	44	20.0	
				Honey.....	.....do.....	50	22.7	
				Honeydew melons.....	Gallon.....	11.84	5.4	
				Hops.....	Jumbo crate <sup>23</sup> .....	44	20.0	
					Bale, gross.....	200	90.7	

See footnotes on page IX.

## WEIGHTS AND MEASURES—Continued

Commodity	Unit <sup>1</sup>	Approximate net weight		Commodity	Unit <sup>1</sup>	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		Pounds	Kilo-grams			Pounds	Kilo-grams
Horseradish roots.....	{ Bushel.....	35	15.9	Pears:			
	{ Barrel.....	100	45.4	California.....	Bushel.....	48	21.8
Hungarian millet seed.....	Bushel.....	48 and 50	21.8-22.7	Other.....do.....	50	22.7	
Kale.....do.....	do.....	18	8.2	Western.....	Box <sup>27</sup> .....	46	20.9
Kapok seed.....do.....	do.....	35-40	15.9-18.1	Peas:			
Lard.....	Tierce.....	375	170	Green, unshelled.....	Bushel.....	28-30	12.7-13.6
Lemons:				Dry.....do.....	do.....	60	27.2
California and Arizona.....	{ Box <sup>24</sup> .....	19 76	34.5	Peppers, green.....	Fiberboard carton.....	30-34	13.6-15.4
	{ Carton <sup>20</sup> .....	38	17.2	Perilla seed.....	Bushel.....	37-40	16.8-18.1
Lentils.....	Bushel.....	60	27.2	Pineapples.....	Crate <sup>28</sup> .....	70	31.8
Lettuce.....	Fiberboard box, carton.....	38-55	17.2-24.9	Plums and prunes:			
Lettuce, hot-house.....	24-qt. basket.....	10	4.5	California.....	4-basket crate <sup>29</sup> .....	28-34	12.7-15.4
Limes (Florida).....	Box.....	88	36.3	Other.....	½-bu. basket.....	28	12.7
Linseed oil.....	Gallon.....	10 7.7	3.5	Popcorn:			
Malt.....	Bushel.....	34	15.4	On ear.....	Bushel.....	19 70	31.8
Maple syrup.....	Gallon.....	11.02	5.00	Shelled.....do.....	do.....	56	25.4
Meadow fescue seed.....	Bushel.....	24	10.9	Poppy seed.....do.....	do.....	46	20.9
Milk.....	Gallon.....	8.6	3.90	Potatoes.....	{ Bushel.....	60	27.2
Millet.....	Bushel.....	48-60	21.8-22.7	Barrel.....	165	74.8	
Molasses, edible.....	Gallon.....	11.74	5.3	Bag.....do.....	50	22.7	
Molasses, inedible.....do.....	do.....	11.74	5.3	Quinces.....	Bushel.....	100	45.4
Mustard seed.....	Bushel.....	58-60	26.3-27.2	Rapeseed.....do.....	50 and 60	22.7-27.2	
Oats.....do.....	do.....	32	14.5	Raspberries.....	24-qt. crate.....	36	16.3
Olives.....	Lug <sup>21</sup> .....	25-30	11.3-13.6	Redtop seed.....	Bushel.....	50 and 60	22.7-27.2
Olive oil.....	Gallon.....	10 7.6	3.5	Refiners' syrup.....	Gallon.....	11.45	5.2
Onions, dry.....	Sack.....	50	22.7	Rice:			
Onions, green bunched.....	Crate.....	60-65	27.2-29.5	Rough.....	{ Bushel.....	45	20.4
Onion sets.....	Bushel.....	28-32	12.7-14.5	Milled.....	{ Bag.....	100	45.4
Oranges:				Rosin.....	Barrel.....	162	73.5
Florida and Texas.....	{ ½-box mesh.....	45	20.4	Rutabagas.....	Pocket.....	100	45.4
	{ Box <sup>25</sup> .....	90	40.8	Rye.....do.....	Drum, net.....	520	236
California and Arizona.....	{ Box <sup>18</sup> .....	19 75	34.0	Sesame seed.....do.....	do.....	56	25.4
	{ Carton <sup>20</sup> .....	37½	17.0	Shallots.....	{ Crate (4-7 doz. bunches).....	20-35	9.1-15.9
Orchardgrass seed.....	Bushel.....	14	6.4	Sorgo:			
Palm oil.....	Gallon.....	10 7.7	3.5	Seed.....	Bushel.....	50	22.7
Parsnips.....	Bushel.....	50	22.7	Syrup.....	Gallon.....	11.55	5.2
	do.....	48	21.8	Sorghum grain <sup>30</sup> .....	Bushel.....	56	25.4
Peaches.....	Lug box <sup>21</sup> .....	20	9.1	Soybeans.....do.....	do.....	60	27.2
	{ California fruit box.....	26 18	8.2	Soybean oil.....	Gallon.....	10 7.7	3.5
Peanut oil.....	Gallon.....	10 7.7	3.5	Spelt.....do.....	Bushel.....	40	18.1
Peanuts, unshelled:				Spinach.....	do.....	18-20	8.2-9.1
Virginia type.....	Bushel.....	17	7.7	Strawberries.....	{ 24-qt. crate.....	36	16.3
Runners, Southeastern.....do.....	do.....	21	9.5	Sudangrass seed.....	{ 12-pt. crate.....	9-11	4.1-5.0
Spanish:				Sugarcane:	Bushel.....	40	18.1
Southeastern.....do.....	do.....	25	11.3	Syrup (sulfured or unsulfured).....	Gallon.....	11.45	5.2
Southwestern.....do.....	do.....	25	11.3	Sunflower seed.....	Bushel.....	24 and 32	10.9-14.5
				Sweetpotatoes.....	{ do.....	31 55	24.9
					{ Crate.....	50	22.7
				Tangerines, Florida.....	¾-bu. box.....	47½	21.5

See footnotes on page IX.

WEIGHTS AND MEASURES—Continued

Commodity	Unit <sup>1</sup>	Approximate net weight		Commodity	Unit <sup>1</sup>	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		Pounds	Kilo-grams			Pounds	Kilo-grams
Timothy seed .....	Bushel.....	45	20.4	Tung oil .....	Gallon.....	<sup>10</sup> 7.8	3.5
Tobacco:				Turnips:			
Maryland.....	Hogshead.....	775	352	Without tops.....	Mesh sack.....	50	22.7
Flue-cured.....	do.....	950	431	Bunched.....	Crate <sup>8</sup> .....	70-80	31.8-36.3
Burley.....	do.....	975	442	Turpentine.....	Gallon.....	7.23	3.3
Dark air-cured.....	do.....	1,150	522	Velvetbeans			
Virginia fire-cured.....	do.....	1,350	612	(hulled).....	Bushel.....	60	27.2
Kentucky and Tennessee fire-cured.....	do.....	1,500	680	Vetch.....	do.....	60	27.2
Cigar-leaf.....	{ Case.....	250-365	113-166	Walnuts.....	do.....	50	22.7
	Bale.....	150-175	68.0-79.4	Water 60° F.....	Gallon.....	8.33	3.8
	Crate.....	60	27.2	Watermelons.....	Melons of		
Tomatoes.....	Lug box <sup>21</sup> .....	32	14.5	average or medium size.....		25	11.3
	2-layer flat.....	21	9.5	Bushel.....		60	27.2
Tomatoes, hothouse.....	12-qt. basket.....	20	9.1	Wheat.....	{ Short ton.....	2,000	907
				Various commodities.	{ Long ton.....	2,240	1,016
					{ Metric ton.....	2,204.6	1,000

See footnotes on page IX.

To Convert From Avoirdupois Pounds

To	Multiply by
Kilograms.....	0.45359237
Metric tons.....	0.00045359237

Conversion Factors

- 1 Metric ton = 2,204.622 pounds
- 1 Kilogram = 2.2046 pounds
- 1 Acre = 0.4047 hectares
- 1 Hectare = 2.47 acres
- 1 Square mile = 640 acres = 259 hectares
- 1 Gallon = 3.7853 liters

## CONVERSION FACTORS

Commodity	Unit	Approximate equivalent
Apples	1 pound dried	7 pounds fresh; beginning 1943, 8 pounds fresh
Do	1 pound chops	5 pounds fresh
Do	1 case canned <sup>32</sup>	1.4 bushels fresh
Applesauce	1 case <sup>32</sup>	1.2 bushels fresh
Apricots	1 pound dried	6 pounds fresh
Barley flour	100 pounds	4.59 bushels barley
Beans, lima	1 pound shelled	2 pounds unshelled
Beans, snap or wax	1 case canned <sup>33</sup>	0.008 ton fresh
Buckwheat flour	100 pounds	3.47 bushels buckwheat
Calves	1 pound live weight	0.557 pound dressed weight (1954-63 average)
Cattle	1 case canned <sup>32</sup>	0.561 pound dressed weight (1954-63 average)
Cane syrup	1 gallon	5 pounds sugar
Cherries, tart	1 case canned <sup>32</sup>	0.023 ton fresh
Chickens	1 pound live weight	0.72 pound ready-to-cook weight
Corn, shelled	1 bushel (56 lbs.)	2 bushels (70 pounds) of husked ear corn
Corn, sweet	1 case canned <sup>33</sup>	0.030 ton fresh
Cornmeal:		
Degermed	100 pounds	3.16 bushels corn, beginning 1946
Nondegermed	1 case canned <sup>32</sup>	2 bushels corn, beginning 1946
Cotton	1 pound ginned	3.26 pounds seed cotton, including trash <sup>34</sup>
Cottonseed meal	1 pound	2.10 pounds cottonseed
Cottonseed oil	1 case canned <sup>32</sup>	5.88 pounds cottonseed
Dairy products:		
Butter	1 case canned <sup>32</sup>	21.1 pounds milk
Cheese	1 case canned <sup>32</sup>	10 pounds milk
Condensed milk, whole	1 case canned <sup>32</sup>	2.3 pounds milk
Dry cream	1 case canned <sup>32</sup>	19 pounds milk
Dry milk, whole	1 case canned <sup>32</sup>	7.6 pounds milk
Evaporated milk, whole	1 case canned <sup>32</sup>	2.14 pounds milk
Malted milk	1 case canned <sup>32</sup>	2.6 pounds milk
Nonfat dry milk	1 case canned <sup>32</sup>	11 pounds liquid skim milk
Ice cream <sup>35</sup>	1 gallon	15 pounds milk
Ice cream <sup>35</sup> (eliminating fat from butter and concentrated milk)	1 case canned <sup>32</sup>	12 pounds milk
Eggs	1 case	47 pounds
Eggs, shell	1 case	39.5 pounds frozen or liquid whole eggs
Do	1 case	10.3 pounds dried whole eggs
Figs	1 pound dried	3 pounds fresh in California; 4 pounds fresh elsewhere
Flaxseed	1 bushel	About 2½ gallons oil
Grapefruit, Florida	1 case canned juice <sup>33</sup>	0.64 box fresh fruit
Hogs	1 pound live weight	0.579 pound dressed weight, excluding lard (1954-63 average)
Linseed meal	1 pound	1.51 pounds flaxseed
Linseed oil	1 case	2.77 pounds flaxseed
Malt	1 bushel (34 lbs.)	1 bushel barley (48 lbs.)
Maple syrup	1 gallon	8 pounds maple sugar
Nuts:		
Almonds, imported	1 pound shelled	3½ pounds unshelled
Almonds, California	1 case	2.22 pounds unshelled through 1949; 2 pounds thereafter
Brazil	1 case	2 pounds unshelled
Cashews	1 case	4.55 pounds unshelled
Chestnuts	1 case	1.19 pounds unshelled
Filberts	1 case	2.22 pounds unshelled through 1949; 2.5 pounds thereafter
Pecans:		
Seedling	1 case	2.78 pounds unshelled
Improved	1 case	2.50 pounds unshelled
Pignolias	1 case	1.3 pounds unshelled
Pistachios	1 case	2 pounds unshelled
Walnuts:		
Black	1 case	5.88 pounds unshelled
Persian (English)	1 case	2.67 pounds unshelled
Oatmeal	100 pounds	7.6 bushels oats, beginning 1943
Oranges, Florida	1 case canned juice <sup>33</sup>	0.53 box fresh
Peaches, California, freestone	1 pound dried	5½ pounds fresh through 1918; 6 pounds fresh for 1919-28; and 6½ pounds fresh from 1929 to date
Peaches, California, clingstone	1 case	7½ pounds fresh
Peaches, clingstone	1 case canned <sup>32</sup>	1 bushel fresh
Do	1 case	0.0230 ton fresh
Peanuts	1 pound shelled	1½ pounds unshelled
Pears	1 pound dried	6½ pounds fresh
Pears, Bartlett	1 case canned <sup>33</sup>	1.1 bushels fresh
Do	1 case	0.026 ton fresh

See footnotes on page IX.

CONVERSION FACTORS—Continued

Commodity	Unit	Approximate equivalent
Peas, green.....	1 pound shelled.....	2½ pounds unshelled
Do.....	1 case canned <sup>33</sup> .....	0.009 ton fresh (shelled)
Prunes.....	1 pound dried.....	2.7 pounds fresh in California; 3 to 4 pounds fresh elsewhere
Raisins.....	1 pound.....	4.3 pounds fresh grapes
Rice, milled (excluding brewers).....	100 pounds.....	152 pounds rough or unshelled rice
Do.....	do.....	2.23 bushels rye, beginning 1947
Rye flour.....	1 pound live weight.....	0.482 pound dressed weight (1954-63 average)
Sheep and lambs.....	1 pound.....	1.27 pounds soybeans
Soybean meal.....	do.....	5.49 pounds soybeans
Soybean oil.....	1 ton raw.....	0.9346 ton refined
Sugar.....	1 pound farm-sales weight.....	Various weights of stemmed and unstemmed, according to aging and the type of tobacco. (See circular 435, U.S. Dept. of Agr.)
Tobacco.....	do.....	0.018 ton fresh
Tomatoes.....	1 case canned <sup>33</sup> .....	0.80 pound ready-to-cook weight
Turkeys.....	1 pound live weight.....	2.30 bushels wheat <sup>36</sup>
Wheat flour.....	100 pounds.....	0.48 pounds scoured
Wool, domestic apparel shorn.....	1 pound greasy.....	0.73 pound scoured
Wool, domestic apparel pulled.....	do.....	

<sup>1</sup>Standard bushel used in the United States contains 2,150.42 cubic inches; the gallon, 231 cubic inches; the cranberry barrel, 5,826 cubic inches; and the standard fruit and vegetable barrel, 7,056 cubic inches. Such large-sized products as apples and potatoes sometimes are sold on the basis of a heaped bushel, which would exceed somewhat the 2,150.42 cubic inches of a bushel basket level full. This also applies to such products as sweetpotatoes, peaches, green beans, green peas, spinach, etc.

- <sup>2</sup>Approximate inside dimensions, 10½ by 11½ by 18 inches.
- <sup>3</sup>Approximate inside dimensions, 4½ by 12½ by 16½ inches.
- <sup>4</sup>Approximate inside dimensions, 4½ by 16 by 16½ inches.
- <sup>5</sup>Approximate dimensions, 4½ by 13½ by 16½ inches.
- <sup>6</sup>Approximate inside dimensions, 13 by 12 by 32 inches.
- <sup>7</sup>Inside dimensions vary. Common sizes are 13 by 13 by 22½ inches, and 13 by 15½ by 23 inches.
- <sup>8</sup>Approximate inside dimensions, 13 by 18 by 21½ inches.
- <sup>9</sup>Approximate inside dimensions, 13 by 13 by 22½ inches.
- <sup>10</sup>This is the weight commonly used in trade practices, the actual weight varying according to temperature conditions.
- <sup>11</sup>Approximate inside dimensions, 9½ by 16 by 20 inches.
- <sup>12</sup>Approximate inside dimensions, 4½ by 11½ by 14 inches.
- <sup>13</sup>The standard weight of 70 pounds is usually recognized as being about 2 measured bushels of corn, husked, on the ear, because it required 70 pounds to yield 1 bushel, or 56 pounds, of shelled corn.
- <sup>14</sup>For statistical purposes the bale of cotton is 500 pounds or 480 pounds net weight. Prior to Aug. 1, 1946, the net weight was estimated at 478 pounds. Actual bale weights vary considerably, and the customary average weights of bales of foreign cotton differ from that of the American square bale.
- <sup>15</sup>This is the average weight of cottonseed, although the legal weight in some States varies from this figure of 32 pounds.
- <sup>16</sup>Approximate inside dimensions, 9½ by 10½ by 15 inches.
- <sup>17</sup>Approximate inside dimensions, 13 by 11 by 16½ inches.
- <sup>18</sup>Approximate inside dimensions, 11½ by 11½ by 24 inches.
- <sup>19</sup>In California and Arizona from 1942 through 1953, the net weights as used by this Department were 77 pounds for oranges, 79 pounds for lemons, and 65 pounds for Desert Valleys grapefruit. Grapefruit in California areas, other than the Desert Valleys, averaged 68 pounds. The new weights effective in 1954 reflect the shift from the "box" to the other ½-box carton as the container used.
- <sup>20</sup>Approximate inside dimensions, 10½ by 10½ by 16½ inches for oranges or lemons, and 9½ by 10½ by 16½ inches for grapefruit.
- <sup>21</sup>Approximate inside dimensions, 5½ by 13½ by 16½ inches.
- <sup>22</sup>Approximate inside dimensions, 4½ by 16 by 16½ inches.
- <sup>23</sup>Approximate inside dimensions, 7½ by 16 by 21½ inches.
- <sup>24</sup>Approximate inside dimensions, 9½ by 13 by 25 inches.
- <sup>25</sup>Approximate inside dimensions, 12 by 12 by 24 inches.
- <sup>26</sup>Approximate inside dimensions vary. Common size is 4½ by 11½ by 16½ inches.
- <sup>27</sup>Approximate inside dimensions, 8½ by 11½ by 18 inches.
- <sup>28</sup>Approximate inside dimensions, 12 by 10½ by 33 inches.
- <sup>29</sup>Inside dimensions vary. Ranges from 4 by 16 by 16½ inches to 6 by 16 by 16½ inches.
- <sup>30</sup>Includes both sorghum grain (kafir, milo, hegari, etc.) and sweet sorghum varieties.
- <sup>31</sup>This average of 55 pounds indicates the usual weight of sweetpotatoes when harvested. Much weight is lost in curing or drying and the net weight when sold in terminal markets may be below 55 pounds.
- <sup>32</sup>Case of 24 No. 2½ cans.
- <sup>33</sup>Case of 24 No. 303 cans.
- <sup>34</sup>Varies widely by method of harvesting.
- <sup>35</sup>The milk equivalent of ice cream per gallon is 15 pounds. Reports from plants indicate about 81 percent of the butterfat in ice cream is from milk and cream, the remainder being from butter and concentrated milk. Thus the milk equivalent of the milk and cream in a gallon of ice cream is about 12 pounds.
- <sup>36</sup>This is equivalent to 4.51 bushels of wheat per barrel (196 pounds) of flour and has been used in conversions, beginning July 1, 1957. Because of changes in milling processes, the following factors per barrel of flour have been used for earlier periods: 1790-1879, 5 bushels; 1880-1908, 4.75 bushels, 1909-17, 4.7 bushels; 1918 and 1919, 4.5 bushels; 1920, 4.6 bushels; 1921-44, 4.7 bushels; July 1944-Feb. 1946, 4.57 bushels; March 1946-Oct. 1946, average was about 4.31 bushels; and Nov. 1946-June 1957, 4.57 bushels.



# CHAPTER I

## STATISTICS OF GRAIN AND FEED

This chapter contains tables for wheat, rye, rice, corn, oats, barley, sorghum grain, and feedstuffs. Estimates are given of area, production, disposition, supply and disappearance, prices, value of production, stocks, foreign production and trade, price-support operations, animal units fed, and feed consumed by livestock and poultry.

**Table 1.—Total grain: Supply and disappearance, United States, 1974-88**

Year <sup>1</sup>	Supply				Disappearance			Ending stocks
	Beginning stocks	Production	Imports	Total	Domestic use	Exports	Total disappearance	
	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons
1974.....	31.6	204.4	0.6	236.6	142.3	66.7	209.0	27.6
1975.....	33.4	249.1	.5	283.0	155.5	83.7	239.2	43.8
1976.....	43.8	258.1	.4	302.3	154.3	78.9	233.2	69.1
1977.....	69.1	265.9	.4	335.4	162.2	89.5	251.7	83.7
1978.....	83.6	276.2	.4	360.2	180.4	95.4	275.8	84.4
1979.....	84.5	302.6	.3	387.4	185.4	112.2	297.6	89.8
1980.....	89.8	269.7	.4	359.9	172.0	116.0	288.0	71.9
1981.....	71.9	330.8	.4	403.1	179.4	111.8	291.2	111.9
1982.....	111.8	332.9	.6	445.3	195.0	97.2	292.2	153.1
1983.....	153.1	207.5	.8	361.4	182.6	98.7	281.3	80.1
1984.....	80.1	314.6	1.0	395.7	197.8	98.2	296.0	99.7
1985.....	99.7	347.0	1.4	448.1	201.6	64.2	265.8	182.3
1986.....	182.3	315.8	1.4	499.5	218.8	76.9	295.7	203.8
1987.....	203.8	277.3	1.6	482.8	215.0	98.3	313.3	169.4
1988 <sup>2</sup> .....	169.4	203.9	2.2	375.4	187.4	104.5	291.9	83.6

<sup>1</sup> Year beginning Sept. 1 for corn and sorghum; June 1 for oats, barley, wheat, and rye; and Aug. 1 for rice.

<sup>2</sup> Preliminary.

Totals may not add due to independent rounding.

Economic Research Service.

**Table 2.—Wheat: Area, yield, production, disposition, and value, United States, 1974-88**

Year	Area		Yield per harvested acre	Production	Used on farms where produced		Sold	Market- ing year average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Plant- ed <sup>1</sup>	Harvest- ed			For seed	Fed to live- stock			
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1974.....	71,044	65,368	27.3	1,781,918	<sup>a</sup> 87,534	1,694,384	4.09	7,287,261	
1975.....	74,900	69,499	30.6	2,126,927	94,844	2,032,083	3.55	7,549,829	
1976.....	80,395	70,927	30.3	2,148,780	104,755	2,044,025	2.73	5,867,836	
1977.....	75,410	66,686	30.7	2,045,527	117,391	1,928,136	2.33	4,764,557	
1978.....	65,989	56,495	31.4	1,775,524	83,151	1,692,373	2.97	5,280,634	
1979.....	71,424	62,454	34.2	2,134,060	87,564	2,046,496	3.80	8,070,378	
1980.....	80,788	71,125	33.5	2,380,934	(*)	(*)	3.99	9,302,831	
1981.....	88,251	80,642	34.5	2,785,857	(*)	(*)	3.69	10,172,242	
1982.....	86,232	77,937	35.5	2,764,967	(*)	(*)	3.45	9,813,015	
1983.....	76,419	61,390	39.4	2,419,824	(*)	(*)	3.51	8,532,790	
1984.....	79,213	66,928	38.8	2,594,777	(*)	(*)	3.39	8,755,033	
1985.....	75,575	64,734	37.5	2,425,105	(*)	(*)	3.08	7,374,181	
1986.....	72,068	60,723	34.4	2,091,685	(*)	(*)	2.42	5,044,347	
1987.....	65,834	55,960	37.7	2,107,480	(*)	(*)	2.57	5,496,828	
1988 <sup>3</sup> .....	66,529	53,174	34.1	1,811,261	(*)	(*)	3.72	6,789,732	

See footnotes on page 3.

Table 3.—Wheat, by kinds: Area, yield, production, and value, United States, 1974–88

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested				
Winter wheat						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	52,023	46,778	29.4	1,375,526	3.90	5,370,469
1975.....	55,954	51,376	32.0	1,642,900	3.37	5,540,438
1976.....	57,822	49,578	31.5	1,564,118	2.73	4,264,242
1977.....	56,469	48,772	31.6	1,540,419	2.28	3,506,778
1978.....	47,549	38,491	31.8	1,222,446	3.01	3,677,175
1979.....	51,787	43,427	36.9	1,601,234	3.81	6,075,553
1980.....	57,771	51,635	36.8	1,902,011	3.88	7,286,005
1981.....	65,547	58,476	35.9	2,097,057	3.68	7,643,158
1982.....	65,516	57,693	36.0	2,073,560	3.42	7,248,918
1983.....	62,105	47,584	41.8	1,988,304	3.42	6,910,125
1984.....	63,419	51,513	40.0	2,060,266	3.32	6,861,900
1985.....	57,752	47,953	38.1	1,827,615	2.98	5,429,571
1986.....	53,965	43,205	35.2	1,521,498	2.33	3,583,338
1987.....	48,811	39,347	39.8	1,565,176	2.49	3,961,286
1988 <sup>3</sup> .....	48,800	39,785	39.2	1,560,970	3.65	5,724,403
Durum wheat <sup>4</sup>						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	4,174	4,099	19.8	81,245	5.96	484,041
1975.....	4,830	4,680	26.4	123,362	4.66	575,025
1976.....	4,748	4,584	29.4	134,914	2.96	398,856
1977.....	3,183	3,025	26.4	79,964	2.69	215,413
1978.....	4,110	4,024	33.1	133,328	2.93	390,608
1979.....	4,042	3,932	27.1	106,654	4.23	463,847
1980.....	5,525	4,840	22.4	108,395	5.32	549,261
1981.....	5,776	5,655	32.4	183,040	3.73	681,633
1982.....	4,290	4,177	34.9	145,863	3.40	534,156
1983.....	2,565	2,492	29.3	72,979	3.98	292,418
1984.....	3,277	3,219	32.1	103,439	3.75	389,420
1985.....	3,207	3,094	36.4	112,510	3.22	362,036
1986.....	2,994	2,877	34.0	97,907	2.70	271,276
1987.....	3,341	3,279	28.2	92,617	3.18	312,553
1988 <sup>3</sup> .....	3,336	2,847	15.7	44,831	4.70	212,403
Other spring wheat <sup>5</sup>						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	14,847	14,491	22.4	325,147	4.41	1,432,751
1975.....	14,116	13,443	26.8	360,665	3.98	1,434,366
1976.....	17,825	16,765	26.8	449,748	2.68	1,204,738
1977.....	15,758	14,889	28.6	425,144	2.45	1,042,366
1978.....	14,330	13,980	30.0	419,750	2.89	1,212,851
1979.....	15,595	15,095	28.2	426,172	3.61	1,530,978
1980.....	17,492	14,650	25.3	370,528	4.10	1,467,565
1981.....	16,928	16,511	30.6	505,260	3.73	1,847,451
1982.....	16,426	16,127	33.8	545,544	3.54	2,029,941
1983.....	11,749	11,314	31.7	358,541	3.72	1,330,247
1984.....	12,517	12,196	35.3	431,072	3.53	1,503,713
1985.....	14,616	13,687	35.4	484,980	3.38	1,582,574
1986.....	15,109	14,641	32.3	472,230	2.54	1,189,733
1987.....	13,682	13,334	33.7	449,687	2.62	1,222,989
1988 <sup>3</sup> .....	13,393	10,542	19.5	205,460	3.77	802,926

<sup>1</sup> Seeded in preceding fall for winter wheat.

<sup>2</sup> Obtained by weighting State prices by quantity sold. Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes California, Minnesota, Montana, North Dakota, and South Dakota. In addition 1976 and 1977 includes New Mexico; beginning 1976 includes Arizona.

<sup>5</sup> Includes small quantities of durum wheat grown in States other than those mentioned in footnote 4. National Agricultural Statistics Service.



Table 4.—Wheat: Stocks on and off farms, United States, 1974-88

Year beginning October	On farms				Off farms <sup>2</sup>			
	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>
All wheat								
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1974.....	680,469	446,289	274,106	132,784	881,665	661,171	387,982	194,255
1975.....	756,805	548,600	343,212	235,861	1,129,044	838,028	594,151	429,768
1976.....	835,437	667,210	512,360	527,337	1,354,946	1,116,376	878,534	685,912
1977.....	1,039,227	834,577	642,106	494,018	1,365,322	1,162,459	887,832	683,790
1978.....	1,029,682	814,400	638,254	484,322	1,104,169	816,364	596,172	439,777
1979.....	1,030,071	773,920	569,600	376,501	1,240,745	942,247	655,518	525,498
1980.....	975,946	753,950	539,077	414,394	1,497,550	1,150,253	790,059	574,719
1981.....	1,197,704	948,675	742,573	576,196	1,529,800	1,223,397	809,041	583,168
1982.....	1,402,252	1,150,534	870,822	668,938	1,567,214	1,355,646	991,165	846,125
1983.....	1,235,870	1,015,409	771,212	591,650	1,719,317	1,310,964	986,924	806,996
1984.....	1,217,308	930,281	713,437	582,077	1,522,679	1,210,750	953,694	843,163
1985.....	1,248,482	1,011,203	799,432	681,080	1,724,011	1,514,964	1,330,641	1,223,901
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1986.....	1,293,000	1,063,000	794,000	560,000	1,863,505	1,610,490	1,456,430	1,260,904
1987.....	1,168,000	971,000	748,000	525,000	1,820,462	1,534,286	1,175,536	735,844
1988 <sup>3</sup> .....			457,000	283,000			763,263	410,601
Durum wheat								
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1974.....	70,196	51,832	37,836	14,593	21,377	18,727	11,498	6,713
1975.....	87,406	65,412	53,033	38,906	27,657	20,528	18,065	14,550
1976.....	110,544	94,999	79,347	70,643	39,571	32,631	28,895	21,120
1977.....	109,462	81,891	61,635	49,626	36,338	26,524	29,754	17,265
1978.....	120,309	98,694	82,966	69,685	30,012	18,312	21,519	16,084
1979.....	122,621	87,384	64,486	48,669	30,070	19,776	21,327	12,342
1980.....	88,456	73,990	59,974	45,183	34,406	29,448	23,282	14,735
1981.....	144,897	119,151	103,717	88,819	41,688	31,034	26,947	17,145
1982.....	174,464	153,683	128,388	111,059	40,947	33,266	34,039	24,898
1983.....	112,849	97,776	86,007	71,554	46,392	35,267	34,245	27,125
1984.....	125,005	95,033	81,819	69,225	51,571	37,212	33,007	30,581
1985.....	127,722	111,608	89,192	78,929	44,124	38,441	46,878	42,355
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1986.....	124,800	96,910	72,570	49,305	52,874	57,558	56,618	45,259
1987.....	94,100	76,850	64,024	53,331	52,462	43,639	40,657	29,429
1988 <sup>3</sup> .....			43,635	34,201			34,586	25,604

<sup>1</sup> Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July 1.<sup>2</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 2

<sup>1</sup> Includes area seeded in preceding fall for winter wheat.<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.<sup>3</sup> Beginning 1974, not estimated separately.<sup>4</sup> Estimates discontinued.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 5.—Wheat: Supply and disappearance, United States, 1974-88

Year beginning June	Supply				Disappearance						Ending stocks May 31
	Beginning stocks	Production	Imports <sup>1</sup>	Total	Domestic use				Ex-ports <sup>1</sup>	Total disappearance	
					Food	Seed	Feed <sup>2</sup>	Total			
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1974.....	340	1,782	3	2,125	545	92	35	672	1,018	1,690	435
1975.....	435	2,127	2	2,564	589	99	38	726	1,173	1,899	666
1976.....	666	2,149	2	2,817	588	92	74	754	950	1,704	1,113
1977.....	1,118	2,046	2	3,161	586	80	193	859	1,124	1,983	1,178
1978.....	1,178	1,776	2	2,955	592	87	158	837	1,194	2,031	924
1979.....	924	2,134	2	3,060	596	101	86	783	1,375	2,158	902
1980.....	902	2,381	3	3,285	611	113	59	783	1,514	2,296	989
1981.....	989	2,785	3	3,777	602	110	135	847	1,771	2,618	1,159
1982.....	1,159	2,765	8	3,932	616	97	195	908	1,509	2,417	1,515
1983.....	1,515	2,420	4	3,939	642	100	369	1,111	1,429	2,540	1,399
1984.....	1,399	2,595	9	4,003	651	98	405	1,154	1,424	2,578	1,425
1985.....	1,425	2,425	15	3,865	678	98	274	1,045	915	1,960	1,905
1986.....	1,905	2,092	21	4,018	724	84	385	1,193	1,004	2,197	1,821
1987.....	1,821	2,107	16	3,945	719	85	288	1,092	1,592	2,684	1,261
1988 <sup>4</sup> .....	1,261	1,811	24	3,096	725	103	135	963	1,440	2,403	534

<sup>1</sup> Imports and exports include flour and other products expressed in wheat equivalent. <sup>2</sup> Residual, approximates feed use and includes negligible quantities used for distilled spirits. <sup>3</sup> Excludes an abnormally large volume of grain in transit. <sup>4</sup> Preliminary.

Economic Research Service. Totals may not add due to independent rounding.

Table 6.—Wheat: Supply and disappearance, by classes, United States, 1984-87<sup>1</sup>

Item	Year beginning June				Item	Year beginning June			
	1984	1985	1986	1987 <sup>2</sup>		1984	1985	1986	1987 <sup>2</sup>
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>		<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
All wheat:					Hard red spring:				
Stocks, June 1.....	1,399	1,425	1,905	1,821	Stocks, June 1.....	314	371	498	490
Production.....	2,595	2,425	2,092	2,108	Production.....	409	460	451	431
Supply <sup>3</sup> .....	4,003	3,866	4,018	3,945	Supply <sup>3</sup> .....	725	838	956	927
Exports <sup>4</sup> .....	1,424	915	1,004	1,592	Exports <sup>4</sup> .....	183	166	200	255
Domestic disappearance.....	1,154	1,046	1,193	1,092	Domestic disappearance.....	171	174	266	280
Stocks, May 31.....	1,425	1,905	1,821	1,261	Stocks, May 31.....	371	498	490	392
Hard red winter:					Durum:				
Stocks, June 1.....	745	717	1,009	973	Stocks, June 1.....	99	100	121	95
Production.....	1,251	1,230	1,018	1,019	Production.....	103	113	98	93
Supply.....	1,996	1,947	2,027	1,994	Supply <sup>3</sup> .....	207	218	226	195
Exports <sup>4</sup> .....	717	395	432	905	Exports <sup>4</sup> .....	61	53	82	62
Domestic disappearance.....	562	543	622	512	Domestic disappearance.....	46	44	49	50
Stocks, May 31.....	717	1,009	973	576	Stocks, May 31.....	100	121	95	83
Soft red winter:					White:				
Stocks, June 1.....	74	64	79	77	Stocks, June 1.....	167	173	198	185
Production.....	531	368	292	348	Production.....	301	254	232	216
Supply.....	605	432	371	425	Supply <sup>3</sup> .....	470	430	437	404
Exports <sup>4</sup> .....	253	149	115	160	Exports <sup>4</sup> .....	210	152	175	210
Domestic disappearance.....	288	204	179	190	Domestic disappearance.....	87	80	77	59
Stocks, May 31.....	64	79	77	75	Stocks, May 31.....	173	198	185	134

<sup>1</sup> Data except production are approximations. <sup>2</sup> Preliminary. <sup>3</sup> Total supply includes imports. <sup>4</sup> Imports and exports include flour and products in wheat equivalent.

Economic Research Service.

Table 7.—Wheat: Area, yield, and production, by States, 1986–88

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	340	250	270	220	170	200	26.0	31.0	43.0	5,720	5,270	8,600
AZ.....	98	91	87	96	89	85	90.5	89.9	90.9	8,688	8,005	7,730
AR.....	885	930	1,120	815	840	1,070	41.0	41.0	53.0	33,415	34,440	56,710
CA.....	730	620	560	675	567	519	76.3	77.4	84.4	51,525	43,890	43,785
CO.....	3,360	3,160	2,554	2,955	2,555	2,352	32.6	38.1	33.8	96,430	97,380	79,540
DE.....	40	50	65	34	48	63	45.0	42.0	52.0	1,530	2,016	3,276
FL.....	120	80	75	100	60	55	31.0	30.0	37.0	3,100	1,800	2,035
GA.....	640	550	575	550	460	500	28.0	31.0	43.0	15,400	14,260	21,500
ID.....	1,430	1,210	1,220	1,310	1,140	1,150	62.4	75.0	65.7	81,750	85,500	75,520
IL.....	1,300	1,100	1,300	820	950	1,250	44.0	59.0	54.0	36,080	56,050	67,500
IN.....	800	750	840	700	600	700	43.0	58.0	50.0	30,100	34,800	35,000
IA.....	90	90	60	60	30	35	28.0	38.0	30.0	1,680	1,140	1,050
KY.....	11,500	10,700	10,200	10,200	9,900	9,500	33.0	37.0	34.0	336,600	366,300	323,000
KS.....	440	500	550	270	330	380	33.0	49.0	54.0	8,910	16,170	20,520
LA.....	240	240	300	210	170	270	35.0	31.0	41.0	7,350	5,270	11,070
MD.....	160	175	180	145	165	170	47.0	49.0	53.0	6,815	8,085	9,010
MI.....	750	450	650	680	400	620	45.0	48.0	42.0	30,600	19,200	26,040
MN.....	2,965	2,580	2,520	2,814	2,519	2,250	36.8	40.7	23.0	103,666	102,588	51,730
MS.....	250	400	500	200	350	450	31.0	36.0	46.0	6,200	12,600	20,700
MO.....	1,050	900	1,650	570	770	1,550	33.0	46.0	50.0	18,810	35,420	77,500
MT.....	5,015	4,895	4,730	4,760	4,690	3,830	29.1	32.2	15.7	138,520	151,220	59,970
NE.....	2,300	2,200	2,300	2,000	1,950	2,000	38.0	44.0	36.0	76,000	85,800	72,000
NV.....	25	24	22	22	21	19	78.2	80.0	70.5	1,720	1,680	1,340
NJ.....	40	30	35	30	27	31	43.0	45.0	45.0	1,290	1,215	1,395
NM.....	740	660	520	460	340	290	22.0	32.0	24.0	10,120	10,880	6,960
NY.....	165	90	95	155	80	90	49.0	47.0	55.0	7,595	3,760	4,950
NC.....	525	490	510	460	440	480	31.0	41.0	50.0	15,180	18,040	24,000
ND.....	9,620	9,300	9,250	9,380	9,135	7,230	30.9	29.5	14.3	292,320	269,120	103,390
OH.....	1,150	850	1,000	1,050	800	920	46.0	58.0	50.0	48,300	46,400	46,000
OK.....	7,400	7,200	7,000	5,200	4,800	4,800	29.0	27.0	36.0	150,800	129,600	172,800
OR.....	1,070	845	800	1,025	810	755	67.0	65.3	68.6	58,405	52,920	51,800
PA.....	230	190	175	220	185	170	44.0	43.0	53.0	9,680	7,955	9,010
SC.....	325	290	320	300	275	305	25.0	38.0	46.0	7,500	10,450	14,030
SD.....	4,065	3,660	3,650	3,840	3,528	2,638	23.3	30.2	14.4	106,660	106,704	38,006
TN.....	430	440	530	325	350	430	33.0	41.0	50.0	10,725	14,350	21,500
TX.....	8,100	6,800	6,300	4,800	3,600	3,200	25.0	28.0	28.0	120,000	100,800	89,600
UT.....	270	212	184	258	199	177	37.8	45.0	38.2	9,750	8,963	6,768
VA.....	220	275	230	170	215	200	41.0	45.0	52.0	6,970	9,675	10,400
WA.....	2,570	2,100	2,170	2,410	2,015	2,060	48.5	56.7	60.5	116,850	114,285	124,620
WV.....	11	13	11	9	11	9	44.0	45.0	46.0	396	495	414
WI.....	160	115	150	148	88	133	54.3	47.3	38.7	8,040	4,164	5,152
WY.....	349	329	271	277	288	238	30.5	30.6	22.4	8,445	8,820	5,340
US.....	72,068	65,884	65,529	60,723	55,960	53,174	34.4	37.7	34.1	2,091,635	2,107,480	1,811,261

<sup>1</sup> Includes area seeded in preceding fall for winter wheat.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1986-88

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
Winter wheat												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	340	250	270	220	170	200	26.0	31.0	43.0	5,720	5,270	8,600
AZ.....	49	45	36	48	44	35	94.0	95.0	98.0	4,512	4,180	3,430
AR.....	885	930	1,120	815	840	1,070	41.0	41.0	53.0	33,415	34,440	56,710
CA.....	650	560	500	600	510	460	75.0	76.0	83.0	45,000	38,760	38,180
CO.....	3,300	3,100	2,500	2,900	2,500	2,300	32.0	37.5	33.0	92,800	98,750	75,900
DE.....	40	50	65	34	48	63	45.0	42.0	52.0	1,530	2,016	3,276
FL.....	120	80	75	100	60	55	31.0	30.0	37.0	3,100	1,800	2,035
GA.....	640	550	575	550	460	500	28.0	31.0	43.0	15,400	14,260	21,500
ID.....	950	860	820	850	800	770	61.0	75.0	66.0	51,850	60,000	50,820
IL.....	1,800	1,100	1,300	820	950	1,250	44.0	59.0	54.0	36,080	56,050	67,500
IN.....	900	750	840	700	600	700	43.0	58.0	50.0	30,100	34,800	35,000
IA.....	90	90	60	60	30	35	28.0	38.0	30.0	1,680	1,140	1,050
KS.....	11,500	10,700	10,200	10,200	9,900	9,500	33.0	37.0	34.0	336,600	366,900	323,000
KY.....	440	500	550	270	330	380	33.0	49.0	54.0	8,910	16,170	20,520
LA.....	240	240	300	210	170	270	35.0	31.0	41.0	7,350	5,270	11,070
MD.....	160	175	180	145	165	170	47.0	49.0	53.0	6,815	8,085	9,010
MI.....	750	450	650	680	400	620	45.0	48.0	42.0	30,600	19,200	26,040
MN.....	180	100	75	130	90	60	33.0	33.0	24.0	4,290	2,970	1,440
MS.....	250	400	500	200	350	450	31.0	36.0	46.0	6,200	12,600	20,700
MO.....	1,050	900	1,650	570	770	1,550	33.0	46.0	50.0	18,810	35,420	77,600
MT.....	2,150	2,300	2,450	2,000	2,200	2,100	32.0	36.0	19.0	64,000	79,200	39,900
NE.....	2,300	2,200	2,300	2,000	1,950	2,000	38.0	44.0	36.0	76,000	85,800	72,000
NV.....	10	8	8	9	7	7	90.0	90.0	80.0	810	630	560
NJ.....	40	30	35	30	27	31	43.0	45.0	45.0	1,290	1,215	1,395
NM.....	740	660	520	460	340	290	22.0	32.0	24.0	10,120	10,880	6,960
NY.....	165	90	95	155	80	90	49.0	47.0	55.0	7,595	3,760	4,950
NC.....	525	490	510	460	440	480	33.0	41.0	50.0	15,180	18,040	24,000
ND.....	520	200	250	480	185	130	29.0	32.0	13.0	13,920	5,920	1,690
OH.....	1,150	850	1,000	1,050	800	920	46.0	58.0	50.0	48,300	46,400	46,000
OK.....	7,400	7,200	7,000	5,200	4,800	4,800	29.0	27.0	36.0	150,800	129,600	172,800
OR.....	970	780	700	930	750	660	58.0	66.0	71.0	53,940	49,500	46,860
PA.....	230	190	175	220	185	170	44.0	43.0	53.0	9,680	7,955	9,010
SC.....	325	290	320	300	275	305	25.0	38.0	46.0	7,500	10,450	14,030
SD.....	1,900	1,700	1,700	1,800	1,620	1,270	32.0	34.0	17.0	57,600	55,080	21,590
TN.....	430	440	530	325	350	430	33.0	41.0	50.0	10,725	14,350	21,500
TX.....	8,100	6,800	6,300	4,800	3,600	3,200	25.0	28.0	28.0	120,000	100,800	89,600
UT.....	235	180	160	225	170	155	36.0	43.0	36.0	8,100	7,310	5,580
VA.....	220	275	230	170	215	200	41.0	45.0	52.0	6,970	9,675	10,400
WA.....	2,250	1,900	1,850	2,100	1,825	1,750	49.0	57.0	62.0	102,900	104,025	108,500
WV.....	11	13	11	9	11	9	44.0	45.0	46.0	396	495	414
WI.....	140	85	140	130	60	125	57.0	54.0	40.0	7,410	3,240	5,000
WY.....	320	300	250	250	270	225	30.0	31.0	22.0	7,500	8,370	4,950
US.....	53,965	48,811	48,800	43,205	39,347	39,785	35.2	39.8	39.2	1,521,498	1,565,176	1,560,970
Durum wheat <sup>3</sup>												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AZ.....	49	46	51	48	45	50	87.0	85.0	86.0	4,176	3,825	4,300
CA.....	80	60	60	75	57	59	87.0	90.0	95.0	6,525	5,130	5,605
MN.....	35	30	45	34	29	40	39.0	42.0	21.0	1,326	1,218	840
MT.....	165	195	280	160	190	230	27.0	28.0	9.0	4,320	5,320	2,070
ND.....	2,600	2,900	2,800	2,500	2,850	2,400	32.0	26.0	13.0	80,000	74,100	31,200
SD.....	65	110	100	60	108	68	26.0	28.0	12.0	1,560	3,024	816
US.....	2,994	3,341	3,386	2,877	3,279	2,847	34.0	28.2	15.7	97,907	92,617	44,831

See footnotes at end of table.

Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1986-88—Continued

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
Other spring wheat												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
CO.....	60	60	54	55	55	52	66.0	66.0	70.0	3,630	3,630	3,640
ID.....	480	350	400	460	340	380	65.0	75.0	65.0	29,900	25,500	24,700
MN.....	2,750	2,450	2,400	2,650	2,400	2,150	37.0	41.0	23.0	98,050	98,400	49,450
MT.....	2,700	2,400	2,000	2,600	2,300	1,500	27.0	29.0	12.0	70,200	66,700	18,000
NV.....	15	16	14	13	14	12	70.0	75.0	65.0	910	1,050	780
ND.....	6,500	6,200	6,200	6,400	6,100	4,700	31.0	31.0	15.0	198,400	189,100	70,500
OR.....	100	65	100	95	60	95	47.0	57.0	52.0	4,465	3,420	4,940
SD.....	2,100	1,850	1,850	1,980	1,800	1,300	25.0	27.0	12.0	49,500	48,600	15,600
UT.....	35	32	24	33	29	22	50.0	57.0	54.0	1,650	1,653	1,188
WA.....	320	200	320	310	190	310	45.0	54.0	52.0	13,950	10,260	16,120
WI.....	20	30	10	18	28	8	35.0	33.0	19.0	630	924	152
WY.....	29	29	21	27	18	13	35.0	25.0	30.0	945	450	390
US.....	15,109	13,682	13,393	14,641	13,334	10,542	32.3	33.7	19.5	472,230	449,687	205,460

<sup>1</sup> Area seeded in preceding fall for winter wheat.<sup>2</sup> Preliminary.<sup>3</sup> Small additional quantities of durum wheat are grown in other than the States shown here but are included with "Other spring wheat."

National Agricultural Statistics Service.

Table 9.—Wheat: Price-support operations, United States, 1974-89

Marketing year	Support price				Put under support <sup>3</sup>		Acquired by CCC under support programs <sup>4</sup>	Owned by CCC at end of marketing year <sup>1</sup>
	Per bushel		Percentage of parity <sup>2</sup>		Quantity	Percentage of production		
	Loan	Target	Loan	Target			Million bushels	Percent
1974/75.....	Dollars 1.37	Dollars 2.05	Percent 35	Percent 53	36	2.0		
1975/76.....	1.37	2.05	30	45	48	2.2		
1976/77.....	2.25	2.29	46	47	499	23.3	48	* 58
1977/78.....	2.25	* 2.00	44	57	591	29.0	2	* 48
1978/79.....	2.35	3.40	45	65	256	14.2		50
1979/80.....	2.50	3.40	48	65	182	8.5	157	* 200
1980/81.....	* 3.00	* 3.63	46	56	331	14.0		* 196
1981/82.....	* 3.20	3.81	45	54	452	16.1	13	* 187
1982/83.....	* 3.55	4.05	49	56	646	23.0		* 192
1983/84.....	3.65	4.30	49	58	635	* 26.2	* 220	* 188
1984/85.....	3.30	4.38	44	58	285	10.9	244	* 378
1985/86.....	3.30	4.38	47	62	842	34.7	288	* 602
1986/87.....	2.40	4.38	36	65	514	24.5	473	* 830
1987/88.....	2.28	4.38	34	65	472	22.4	147	* 283
1988/89.....	2.21	4.23	31	60	<sup>10</sup> 106	* 5.9	<sup>10</sup> 45	* 191
1989/90.....	2.06	4.10	<sup>10</sup> 27	<sup>10</sup> 55				

<sup>1</sup> Marketing year for 1974/75 and 1975/76 began on July 1. Marketing year for 1976/77 and all subsequent years begins on June 1.<sup>2</sup> Percentage of parity price at beginning of marketing year.<sup>3</sup> Represents loans made, purchases, and agreements entered into.<sup>4</sup> Acquisition of all loans forfeited during the marketing year including loans made in previous years.<sup>5</sup> Uncommitted CCC inventory.<sup>6</sup> Reserve loan levels: 1980—\$3.30; 1981—\$3.50; 1982—\$4.00. Reserve loans for other years beginning with 1976 crop same as shown in table. Target Prices: 1977—\$2.47 on under-planted allotment acreage; 1980—\$3.08 available to producers on farms where plantings exceeded the NCA.<sup>7</sup> Acquired through direct purchases by CCC for future Food Security Reserves.<sup>8</sup> Total CCC inventory including 147 million bushels in Food Security Reserves, 1979/87 and 131 million bushels in Food Security Reserves, 1988.<sup>9</sup> Includes acquisitions for payment-in-kind (PIK) program entitlements.<sup>10</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 10.—Wheat: Marketing year average price and value, by States, crop of 1986, 1987, and 1988

State	Marketing year average price per bushel			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	2.60	2.50	3.25	14,872	13,175	27,950
AZ.....	3.38	3.05	3.90	29,355	24,397	30,147
AR.....	2.49	2.43	3.40	83,203	83,689	192,814
CA.....	2.92	2.90	3.77	150,318	127,133	164,860
CO.....	2.26	2.51	3.79	217,730	244,751	301,342
DE.....	2.44	2.45	3.55	3,733	4,939	11,630
FL.....	2.45	2.60	3.30	7,595	4,680	6,716
GA.....	2.48	2.46	3.20	38,192	35,080	68,800
ID.....	2.39	2.59	4.05	195,523	221,205	305,927
IL.....	2.41	2.51	3.55	86,953	140,686	239,625
IN.....	2.25	2.43	3.55	67,725	84,564	124,250
IA.....	2.30	2.75	3.80	3,864	3,135	3,990
KS.....	2.25	2.43	3.60	757,350	890,109	1,162,800
KY.....	2.45	2.50	3.60	21,830	40,425	73,872
LA.....	2.75	2.80	3.65	20,213	14,756	40,406
MD.....	2.48	2.55	3.65	16,901	20,617	32,887
MI.....	2.38	2.63	3.60	72,828	50,496	93,744
MN.....	2.43	2.57	3.81	251,674	263,360	197,018
MS.....	2.80	3.00	3.70	17,360	37,800	76,590
MO.....	2.37	2.53	3.45	44,580	89,613	267,375
MT.....	2.52	2.74	3.97	348,764	414,186	238,283
NE.....	2.23	2.45	3.70	169,480	210,210	266,400
NV.....	2.13	2.28	3.58	3,663	3,833	4,801
NJ.....	2.45	2.65	3.70	3,161	3,220	5,162
NM.....	2.25	2.28	3.25	22,770	24,306	22,620
NY.....	2.25	2.60	3.50	17,089	9,776	17,325
NC.....	2.50	2.55	3.40	37,950	46,002	81,600
ND.....	2.54	2.95	4.15	742,835	794,146	428,745
OH.....	2.39	2.61	3.80	115,437	121,104	174,800
OK.....	2.38	2.46	3.60	343,824	318,816	622,080
OR.....	2.59	2.86	4.35	151,269	151,351	225,330
PA.....	2.75	2.90	3.70	26,620	23,070	33,337
SC.....	2.45	2.55	3.40	18,375	26,643	47,702
SD.....	2.42	2.60	3.73	262,805	277,439	141,946
TN.....	2.50	2.60	3.40	26,813	37,310	73,100
TX.....	2.32	2.36	3.40	278,400	237,888	304,640
UT.....	2.43	2.51	3.77	23,694	22,490	25,540
VA.....	2.55	2.55	3.45	17,774	24,671	35,880
WA.....	2.51	2.82	4.25	293,294	322,284	529,635
WV.....	2.40	2.50	3.65	950	1,238	1,511
WI.....	2.34	2.33	3.30	18,813	9,702	17,002
WY.....	2.22	2.50	3.66	18,768	22,028	19,550
US.....	2.42	2.57	3.72	5,044,347	5,496,828	6,739,732

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

## WHEAT

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Table 11.—Wheat: Area, yield, and production in specified countries, 1986/87–1988/89<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North &amp; Central America:</b>									
Canada.....	14,239	13,473	12,925	2.20	1.93	1.21	31,378	25,950	15,655
Guatemala.....	27	28	28	1.70	1.82	1.61	46	51	45
Mexico.....	1,075	900	800	4.19	4.11	4.00	4,500	3,700	3,200
United States.....	24,574	22,646	21,519	2.32	2.53	2.29	56,925	57,356	49,294
<b>Total.....</b>	<b>39,915</b>	<b>37,047</b>	<b>35,272</b>				<b>92,849</b>	<b>87,057</b>	<b>68,194</b>
<b>South America:</b>									
Argentina.....	4,982	4,789	4,468	1.79	1.84	1.75	8,930	8,800	7,800
Bolivia.....	106	110	90	.76	.73	.67	81	80	60
Brazil.....	3,900	3,475	3,450	1.44	1.76	1.68	5,600	6,100	5,800
Chile.....	677	577	540	2.77	3.01	3.26	1,874	1,734	1,760
Colombia.....	44	42	40	1.73	1.83	1.63	76	77	65
Ecuador.....	18	18	18	1.00	1.00	1.00	18	18	18
Paraguay.....	154	175	195	1.52	1.54	1.60	234	270	312
Peru.....	98	102	110	1.20	1.28	1.27	118	131	140
Uruguay.....	185	167	170	1.25	1.84	2.29	232	308	390
<b>Total.....</b>	<b>10,164</b>	<b>9,455</b>	<b>9,081</b>				<b>17,163</b>	<b>17,518</b>	<b>16,345</b>
<b>Europe:</b>									
Belgium-Luxembourg.....	198	199	204	6.78	5.60	6.50	1,342	1,114	1,327
Denmark.....	354	398	310	6.15	5.74	6.80	2,177	2,285	2,108
France.....	4,905	4,959	4,829	5.44	5.49	6.14	26,665	27,234	29,660
Germany, Federal Republic of.....	1,648	1,671	1,743	6.31	5.94	6.84	10,406	9,982	11,922
Greece.....	872	869	875	2.52	2.44	2.63	2,200	2,118	2,300
Ireland.....	76	57	62	5.25	6.54	6.73	399	373	417
Italy.....	3,136	3,087	2,878	2.90	3.04	2.76	9,102	9,381	7,945
Netherlands.....	118	111	114	7.97	6.93	7.15	940	769	815
Portugal.....	317	324	273	1.58	1.58	1.59	502	534	435
Spain.....	2,114	2,223	2,333	2.08	2.59	2.65	4,392	5,768	6,173
United Kingdom.....	1,997	1,994	1,886	6.97	5.99	6.23	13,910	11,940	11,750
<b>Total EC.....</b>	<b>15,735</b>	<b>15,892</b>	<b>15,507</b>				<b>72,035</b>	<b>71,448</b>	<b>74,852</b>
Austria.....	324	320	292	4.37	4.53	5.34	1,415	1,451	1,560
Finland.....	166	139	109	3.19	2.02	2.61	529	281	285
Malta & Gozo.....	1	1	1	3.00	3.00	3.00	3	3	3
Norway.....	50	58	31	3.16	3.97	6.45	158	230	200
Sweden.....	311	325	250	5.56	4.79	5.18	1,730	1,558	1,295
Switzerland.....	94	93	91	5.09	4.84	5.49	478	450	500
<b>Total Western Europe.....</b>	<b>16,681</b>	<b>16,828</b>	<b>16,281</b>				<b>76,348</b>	<b>75,421</b>	<b>78,695</b>
Albania.....	190	190	180	2.95	2.95	3.00	560	560	540
Bulgaria.....	1,127	1,085	1,100	3.32	3.30	4.09	4,308	4,127	4,500
Czechoslovakia.....	1,213	1,217	1,250	4.37	5.06	5.24	5,305	6,154	6,550
German Democratic Republic.....	749	748	750	5.60	5.40	4.92	4,195	4,040	3,690
Hungary.....	1,318	1,301	1,280	4.40	4.42	5.44	5,793	5,748	6,962
Poland.....	2,025	2,132	2,179	3.70	3.73	3.49	7,502	7,942	7,600
Romania.....	2,530	2,400	2,400	2.65	2.50	3.75	6,700	6,000	9,000
Yugoslavia.....	1,346	1,455	1,506	3.55	3.62	4.19	4,776	5,272	6,303
<b>Total Eastern Europe.....</b>	<b>10,498</b>	<b>10,528</b>	<b>10,645</b>				<b>39,139</b>	<b>39,843</b>	<b>45,145</b>
<b>Total Europe.....</b>	<b>27,179</b>	<b>27,356</b>	<b>26,926</b>				<b>115,487</b>	<b>115,264</b>	<b>123,840</b>
<b>Soviet Union (Europe and Asia)</b> .....	<b>48,728</b>	<b>46,684</b>	<b>48,058</b>	<b>1.89</b>	<b>1.78</b>	<b>1.76</b>	<b>92,306</b>	<b>83,312</b>	<b>84,445</b>
<b>Africa:</b>									
Algeria.....	1,520	1,511	1,495	.81	.78	.77	1,230	1,175	1,150
Angola.....	10	7	7	.60	.57	.57	6	4	4
Chad.....	4	3	4	1.25	1.00	1.50	5	3	6
Egypt.....	507	577	597	3.80	4.23	4.76	1,929	2,443	2,839
Ethiopia.....	690	740	750	1.20	1.08	1.20	825	800	900
Kenya.....	110	105	110	2.23	2.10	2.23	245	220	245
Lesotho.....	25	25	27	.60	.72	.74	15	18	20
Libya.....	300	310	320	.50	.61	.42	150	190	135
Morocco.....	2,226	2,288	2,332	1.71	1.06	1.73	3,809	2,427	4,034

See footnotes at end of table.

Table 11.—Wheat: Area, yield, and production in specified countries, 1986/87–1988/89<sup>1</sup>—Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Africa—Con.</b>									
Mozambique .....	3	3	2	1.00	1.00	1.00	3	3	2
Nigeria .....	7	15	40	2.14	2.00	1.88	15	30	75
South Africa, Republic of .....	1,926	1,729	1,985	1.21	1.81	1.76	2,321	3,135	3,500
Sudan .....	120	150	200	1.25	1.20	1.18	150	180	235
Tanzania, United Republic of .....	60	57	61	1.17	1.26	1.30	70	72	79
Tunisia .....	540	971	299	.88	1.40	.74	474	1,360	220
Zaire .....	7	8	9	1.29	1.25	1.33	9	10	12
Zambia .....	6	7	7	5.00	4.71	4.86	30	33	34
Zimbabwe .....	43	40	47	5.23	5.00	5.47	225	200	287
Total .....	8,104	8,546	8,292				11,511	12,303	13,747
<b>Asia:</b>									
Afghanistan .....	2,315	2,000	2,100	1.23	1.38	1.33	2,850	2,750	2,800
Bangladesh .....	585	585	597	1.86	1.86	1.76	1,091	1,091	1,048
Bhutan .....	65	13	13	1.00	1.46	1.54	65	19	20
Burma .....	119	127	124	1.61	1.24	1.85	192	157	230
China (Mainland) .....	29,616	28,808	28,793	3.04	2.98	3.00	90,040	85,840	86,390
Cyprus .....	12	13	13	.83	1.02	1.08	10	14	14
India .....	22,997	23,131	22,604	2.05	1.92	2.00	47,052	44,323	45,086
Iran .....	6,250	6,100	6,300	1.14	.98	1.08	7,100	6,000	6,800
Iraq .....	1,240	859	950	.84	.84	1.05	1,036	722	1,000
Israel .....	90	90	93	1.88	3.31	2.27	169	298	211
Japan .....	246	271	282	3.66	3.19	3.62	876	864	1,021
Jordan .....	51	125	119	.78	.87	.92	40	109	110
Korea, Democratic People's Rep. of .....	210	205	205	3.76	3.90	3.90	790	800	800
Korea, Republic of .....	2	1	1	2.50	4.00	2.00	5	4	2
Lebanon .....	5	6	10	3.40	3.00	1.40	17	18	14
Mongolia .....	467	470	475	1.42	1.48	1.47	664	695	700
Nepal .....	536	530	500	1.31	1.30	1.30	701	690	650
Pakistan .....	7,363	7,706	7,308	1.89	1.56	1.73	13,922	12,020	12,675
Saudi Arabia .....	600	630	655	3.81	3.81	4.27	2,285	2,400	2,800
Syria .....	1,350	1,183	1,300	1.37	1.40	1.38	1,850	1,656	1,800
Taiwan .....	1	1	1	5.00	3.00	3.00	5	3	5
Turkey .....	8,700	8,700	8,750	1.61	1.49	1.71	14,000	13,000	15,000
Yemen (Aden) .....	10	12	10	1.50	1.42	1.50	15	17	15
Yemen (Sanaa) .....	66	66	65	.98	1.02	1.15	65	67	75
Total .....	82,896	81,632	82,268				184,840	173,557	179,244
<b>Oceania:</b>									
Australia .....	11,135	9,107	8,906	1.45	1.37	1.62	16,119	12,442	14,452
New Zealand .....	91	83	53	4.16	4.05	4.30	379	336	228
Total .....	11,226	9,190	8,959				16,498	12,778	14,680
World total .....	228,212	219,910	217,856				530,654	501,789	500,495

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere Harvests, which begin late in 1986 and end early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.



Table 12.—Wheat and flour: United States imports, 1974-87

Year beginning June	Wheat		Flour (wheat equivalent) <sup>2</sup>	Other products (wheat equivalent) <sup>3</sup>	Total wheat, flour, and other products
	Suitable for milling <sup>1</sup>	Unfit for human consumption			
	1,000 bushels	1,000 bushels			
1974	1,734	109	387	1,134	3,364
1975	631	344	92	1,307	2,374
1976	1,298	20	32	1,381	2,731
1977	424	2	20	1,475	1,921
1978	18	15	45	1,772	1,850
1979	155	50	62	1,869	2,136
1980	128	58	200	2,148	2,534
1981	59	14	357	2,423	2,853
1982	3,901	35	624	3,036	7,596
1983	67	10	336	3,425	3,839
1984	4,825	3	329	4,285	9,442
1985	11,340	71	475	4,405	16,292
1986	14,833	979	411	4,917	21,140
1987	9,020	969	756	5,342	16,087

<sup>1</sup> Imports of wheat of milling quality have been limited to a quota of 800,000 bushels per year since May 29, 1941, of which 795,000 bushels may come from Canada. Quantities in excess of the 800,000-bushel quota represent quota-free imports of seed wheat authorized by Presidential Proclamation 2550, April 16, 1942. During the war years 1943-44 and 1944-45 this import restriction was waived. As of Jan. 26, 1974, import quotas for wheat and milled wheat products were suspended.

<sup>2</sup> Imports of flour have been limited to a quota of 4,000,000 pounds per year since May 29, 1941, of which 3,815,000 pounds may come from Canada (total quota is 93,200 bushels, wheat equivalent). Flour for special experimental purposes may be imported ex-quota. Excludes flour "free for export."

<sup>3</sup> Includes macaroni, semolina, and similar products.

Economic Research Service.

Table 13.—Wheat and flour: United States exports under specified Government programs, 1974-87

Year <sup>1</sup>	Local currency <sup>2</sup>	Public Law 480			Foreign Donations Sec. 416 <sup>6</sup>	Mutual security (AID) <sup>7</sup>	Total specified Government programs
		Title I sales	Title II donations				
		Long-term dollar and convertible foreign currency credit sales <sup>3</sup>	Government-to-government and World Food Program <sup>4</sup>	Voluntary relief agencies <sup>5</sup>			
		1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1974		102,269	6,705	7,873			116,847
1975		105,861	2,734	7,046		8,348	123,989
(*)		(44,350)	(2,752)	(1,526)		(6,481)	(55,109)
1976		133,504	8,887	17,842		15,836	158,277
1977		119,225	6,313	11,487		12,520	149,545
1978		126,819	5,968	9,808		243	142,838
1979		107,288	8,724	7,064		2,147	125,218
1980		101,052	9,659	7,158		153	118,022
1981		110,046	14,312	8,614			132,972
1982		113,322	22,081	8,724		6,805	150,932
1983		120,670	19,114	17,117			156,901
1984		151,605	23,188	8,930		2,726	186,449
1985		134,159	18,865	7,101	1,849	17,124	179,098
1986	3,953	150,840	9,597	5,881	15,413	28	185,662
1987	3,181	111,996	14,804	16,119	44,173	10,713	200,986

<sup>1</sup> Year beginning July 1 for 1974-75 and Oct. 1 beginning 1976.

<sup>2</sup> Authorized by the Food Security Act of 1985.

<sup>3</sup> Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480 amended by P.L. 89-808.

<sup>4</sup> Authorized by Title II, P.L. 480.

<sup>5</sup> Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966. Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967.

<sup>6</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985.

<sup>7</sup> Foreign Assistance Act of 1961, as amended.

<sup>8</sup> Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 14.—Wheat and flour: <sup>1</sup> International trade, 1986-88

Country	Year beginning July					
	1986		1987		1988 <sup>2</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Principal exporters:</b>						
Canada.....	20,800	0	23,600	0	13,500	0
United States <sup>3</sup> .....	28,400	250	43,429	462	38,000	600
Argentina.....	4,300	0	3,700	0	3,500	0
Australia.....	14,800	0	12,168	0	10,700	0
Bulgaria.....	215	200	300	400	300	100
France.....	15,675	312	16,500	200	18,500	200
Romania.....	100	0	50	0	250	0
Spain.....	200	1,095	614	553	350	250
Sweden.....	781	54	528	63	205	40
Turkey.....	52	500	933	160	1,800	500
Greece.....	460	268	550	320	1,200	270
Hungary.....	1,300	0	1,250	0	2,000	0
Total <sup>4</sup> .....	87,083	2,679	103,622	2,158	90,305	1,960
<b>Principal importers:</b>						
Cuba.....	0	1,300	0	1,400	0	1,400
Brazil.....	0	2,800	0	2,000	0	800
Peru.....	0	1,200	0	1,150	0	900
Belgium and Luxembourg.....	585	1,230	746	1,230	700	1,200
Germany, Fed. Rep. of.....	2,658	1,951	3,440	2,029	3,300	1,800
Netherlands.....	752	1,578	750	1,700	700	1,600
United Kingdom.....	5,400	1,250	2,520	2,165	2,200	1,155
Yugoslavia.....	0	701	11	300	1,025	12
Egypt.....	0	6,025	0	6,426	0	6,400
South Africa.....	54	200	27	35	1,150	0
India.....	500	15	500	410	0	2,000
Indonesia.....	40	1,500	251	1,600	0	1,500
Israel.....	0	750	0	700	0	600
Japan.....	391	5,781	362	5,653	360	5,200
Korea, Rep. of.....	0	3,895	0	4,459	0	2,800
Malaysia.....	20	615	20	650	15	650
Pakistan.....	0	370	0	600	0	2,200
Philippines.....	0	962	0	1,084	0	1,200
Italy.....	1,832	4,988	2,591	4,271	3,600	5,500
Soviet Union.....	500	16,000	500	21,500	500	15,500
Algeria.....	0	3,410	0	3,800	0	4,200
Morocco.....	0	1,500	0	1,900	0	1,300
Syria.....	0	600	0	800	0	600
Tunisia.....	0	1,129	0	850	0	1,100
Poland.....	0	2,300	0	2,000	0	2,000
China.....	0	8,500	0	15,000	0	15,500
Taiwan.....	0	866	0	902	0	900
Portugal.....	0	573	0	416	0	650
Saudi Arabia.....	1,000	100	1,225	118	2,000	100
Sri Lanka.....	0	555	0	717	0	650
Venezuela.....	0	1,230	0	1,200	0	1,000
Vietnam.....	0	600	0	600	0	600
Germany, Dem. Rep. of.....	117	343	127	452	90	360
Total <sup>4</sup> .....	14,209	74,817	13,070	88,117	15,640	81,377

<sup>1</sup> Flour reported in terms of grain equivalent.<sup>2</sup> Preliminary.<sup>3</sup> United States exports exclude exports of flour milled in bond from imported wheat.<sup>4</sup> Total for indicated countries only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 15.—Wheat and flour: <sup>1</sup> United States exports (domestic) by country of destination, 1986 and 1987/88

Country of destination	Year <sup>2</sup>		Country of destination	Year <sup>2</sup>	
	1986	1987/88		1986	1987/88
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
<b>Wheat:</b>			<b>Wheat flour, wholly of U.S.</b>		
Mexico.....	103,628	777,312	wheat:		
Central America.....	599,276	648,105	Central America.....	25,540	4,041
Caribbean.....	678,603	624,491	Jamaica.....	60	10,260
Brazil.....	362,006	69,303	Trinidad and Tobago.....	916	478
Chile.....	104,902	46,201	Other Caribbean.....	27,822	50,703
Colombia.....	199,734	450,341	Bolivia.....	24,674	105,607
Ecuador.....	344,438	395,593	Brazil.....	0	735
Peru.....	250,317	451,365	Chile.....	0	127
Venezuela.....	658,306	391,693	Colombia.....	871	789
Other Americas.....	269,980	201,218	Guyana.....	0	0
<b>Total Americas.....</b>	<b>3,571,190</b>	<b>4,055,622</b>	Other Americas.....	19,742	30,121
Belgium and Luxembourg.....	199,191	189,397	<b>Total Americas.....</b>	<b>99,625</b>	<b>202,861</b>
France.....	2,798	434	Greece.....	0	0
Germany, Fed. Rep. of.....	152	8,290	Netherlands.....	828	1,323
Italy.....	432,362	387,578	Portugal.....	0	25
Netherlands.....	52,452	30,567	Other Europe.....	1,716	2,831
Norway.....	27,413	27,598	<b>Total Europe.....</b>	<b>2,544</b>	<b>4,179</b>
Portugal.....	88,144	70,344	Sri Lanka.....	1,991	0
Spain.....	0	22,896	Japan.....	1,096	2,718
Switzerland.....	2,830	425	Jordan.....	6,615	642
United Kingdom.....	9,282	201	Korea, Rep. of.....	64	7
Other Europe.....	1,117,713	1,766,742	Lebanon.....	7,696	999
<b>Soviet Union.....</b>	<b>4,054,603</b>	<b>8,750,455</b>	Philippines.....	4,234	5,596
<b>Total Europe and Soviet Union.....</b>	<b>5,986,940</b>	<b>11,254,927</b>	Saudi Arabia.....	88	0
India.....	0	1,238,628	Other Asia.....	406,491	165,361
Iran.....	0	0	<b>Total Asia.....</b>	<b>428,275</b>	<b>175,323</b>
Israel.....	476,847	463,087	Egypt.....	982,562	1,206,406
Japan.....	3,035,201	2,976,983	Morocco.....	17,798	68,042
Korea, Rep. of.....	1,887,886	2,031,592	Other Africa.....	263,333	241,711
Lebanon.....	0	0	<b>Total Africa.....</b>	<b>1,263,693</b>	<b>1,516,159</b>
Pakistan.....	194,754	263,886	Oceania.....	2,003	3,281
Philippines.....	841,236	989,052	<b>World total.....</b>	<b>1,796,140</b>	<b>1,901,803</b>
Syria.....	0	0	Relief or charity <sup>3</sup> .....	138,510	279,444
China.....	897,627	5,830,400			
Taiwan.....	870,827	856,024			
Turkey.....	245,132	0			
Other Asia.....	1,656,677	1,405,238			
Algeria.....	1,421,742	1,760,973			
Morocco.....	1,661,386	1,384,832			
South Africa.....	2,199	0			
Tunisia.....	544,028	689,477			
Other Africa.....	3,289,133	3,859,083			
Other countries.....	1,648,610	1,447,805			
<b>World total.....</b>	<b>28,231,415</b>	<b>40,507,609</b>			
Relief or charity <sup>3</sup> .....	404,404	559,532			

<sup>1</sup> Flour reported in terms of grain equivalent.<sup>2</sup> Year beginning Oct. 1.<sup>3</sup> Included in world total by country of destination.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 16.—Wheat and flour: Recorded exports of wheat and flour through the International Wheat Agreement, crop year 1987-88 <sup>1</sup>**

Member country imports	Member country exports						Grand total
	United States	Canada	European Community	Australia	Argentina	Other	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Austria.....	0	0	0	0	0	0	0
Barbados.....	21,000	0	0	0	0	0	21,000
Bolivia.....	181,000	0	0	0	26,000	0	207,000
Brazil.....	69,000	632,000	344,000	0	1,010,000	0	2,055,000
Costa Rica.....	126,000	0	0	0	0	0	126,000
Cuba.....	0	791,000	253,000	0	91,000	0	1,135,000
Dominican Republic.....	253,000	0	0	0	0	0	253,000
Ecuador.....	382,000	0	0	0	0	0	382,000
Egypt.....	2,449,000	101,000	494,000	2,045,000	0	0	5,089,000
El Salvador.....	155,000	0	1,000	0	0	0	156,000
European Community:							
Belgium.....	178,000	317,000	427,000	0	0	0	922,000
Denmark.....	0	0	59,000	0	0	0	59,000
France.....	3,000	0	53,000	0	0	0	56,000
Germany, Fed. Rep. of.....	8,000	9,000	225,000	0	0	0	242,000
Italy.....	361,000	420,000	503,000	0	7,000	0	1,291,000
Netherlands.....	31,000	20,000	302,000	0	0	0	353,000
United Kingdom.....	0	419,000	235,000	0	0	0	654,000
Greece.....	0	0	407,000	0	0	20,000	427,000
Portugal.....	111,000	90,000	5,000	0	0	0	206,000
Spain.....	15,000	0	617,000	0	0	0	632,000
Finland.....	87,000	11,000	4,000	0	0	0	102,000
Guatemala.....	162,000	0	0	0	0	0	162,000
India.....	378,000	30,000	0	0	0	0	408,000
Iran.....	0	989,000	97,000	2,257,000	691,000	0	4,034,000
Iraq.....	1,016,000	814,000	0	944,000	0	0	2,774,000
Israel.....	434,000	34,000	102,000	0	33,000	0	603,000
Japan.....	3,021,000	1,448,000	0	1,013,000	0	0	5,482,000
Kenya.....	114,000	11,000	2,000	0	0	44,000	171,000
Korea, Rep. of.....	2,129,000	764,000	842,000	167,000	21,000	0	3,923,000
Lebanon.....	0	0	71,000	0	0	0	71,000
Libya.....	0	77,000	56,000	0	0	0	133,000
Malta.....	0	0	0	0	0	0	0
Mauritius.....	0	0	0	0	0	0	0
Morocco.....	1,836,000	22,000	107,000	0	0	0	1,965,000
Nigeria.....	0	0	0	0	0	0	0
Norway.....	28,000	97,000	33,000	0	0	0	158,000
Pakistan.....	156,000	54,000	130,000	20,000	0	0	360,000
Panama.....	78,000	0	0	0	0	0	78,000
Peru.....	270,000	312,000	16,000	0	486,000	9	1,084,000
Saudi Arabia.....	118,000	0	0	0	0	0	118,000
South Africa.....	2,000	33,000	0	0	0	0	35,000
Sweden.....	0	74,000	7,000	0	0	4,000	85,000
Switzerland.....	2,000	15,000	81,000	0	0	0	98,000
Syria.....	0	11,000	501,000	0	0	0	512,000
Trinidad and Tobago.....	87,000	0	0	0	0	0	87,000
Tunisia.....	522,000	25,000	225,000	22,000	0	0	794,000
Turkey.....	72,000	0	0	45,000	0	6,000	123,000
United Kingdom <sup>2</sup> .....							
Territories.....	138,000	10,000	13,000	0	0	0	161,000
United States.....	0	320,000	0	0	0	0	320,000
Soviet Union.....	12,198,000	4,369,000	2,528,000	254,000	605,000	0	19,954,000
Vatican City.....	0	0	0	0	0	0	0
Venezuela.....	429,000	438,000	0	0	252,000	0	1,119,000
Others.....	14,059,000	10,483,000	6,600,000	5,381,000	573,000	0	37,170,000
<b>Total.....</b>	<b>41,677,000</b>	<b>23,240,000</b>	<b>15,340,000</b>	<b>12,148,000</b>	<b>3,795,000</b>	<b>74,000</b>	<b>96,274,000</b>

<sup>1</sup> Data in this table are limited to exports and imports of wheat and flour during July 1, 1987 through June 30, 1988 by countries which are members of the International Wheat Agreement (IWA); they exclude approximately 30 million metric tons of wheat and flour exported to or imported from countries which are not members of the IWA. Flour reported in terms of grain equivalent.

<sup>2</sup> Included are Hong Kong, Gibraltar, Bermuda, and Virgin Islands.

Foreign Agricultural Service. Data from International Wheat Council Report.

Table 17.—Rye: Area, yield, production, disposition, and value, United States, 1974-88

Year	Area		Yield per harvested acre	Production	Used on farms where produced for seed and fed to livestock	Sold	Marketing year average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1974.....	2,828	784	22.3	17,506	3,851	13,655	2.51	43,876
1975.....	2,791	728	21.9	15,924	3,641	12,283	2.36	37,406
1976.....	2,604	719	20.7	14,891	3,641	11,250	2.47	37,038
1977.....	2,555	677	24.4	16,543	3,758	12,785	2.06	34,539
1978.....	2,865	926	26.0	24,065	4,957	19,108	1.99	48,520
1979.....	2,889	850	25.7	21,887	4,521	17,366	2.07	46,086
1980.....	2,488	650	24.6	15,958	( <sup>3</sup> )	( <sup>3</sup> )	2.63	41,988
1981.....	2,566	685	26.6	18,187	( <sup>3</sup> )	( <sup>3</sup> )	3.00	55,004
1982.....	2,533	677	28.9	19,538	( <sup>3</sup> )	( <sup>3</sup> )	2.40	47,460
1983.....	2,707	896	30.3	27,116	( <sup>3</sup> )	( <sup>3</sup> )	2.17	60,074
1984.....	2,971	981	33.1	32,463	( <sup>3</sup> )	( <sup>3</sup> )	1.79	68,828
1985.....	2,563	717	28.8	20,637	( <sup>3</sup> )	( <sup>3</sup> )	2.03	41,902
1986.....	2,384	677	28.8	19,522	( <sup>3</sup> )	( <sup>3</sup> )	1.49	29,159
1987.....	2,498	683	29.0	19,818	( <sup>3</sup> )	( <sup>3</sup> )	1.63	32,289
1988 <sup>4</sup> .....	2,444	607	24.8	15,047	( <sup>3</sup> )	( <sup>3</sup> )	2.49	37,478

<sup>1</sup> Area planted in preceding fall.

<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979.

<sup>3</sup> Estimates discontinued.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 18.—Rye: Supply and disappearance, United States, 1974-88

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports	Total disappearance	
					Food	Seed	Industry	Feed <sup>1</sup>	Total			
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1974.....	14,175	17,506	277	31,958	5,459	4,438	1,386	7,588	18,871	6,465	25,336	6,622
1975.....	6,622	15,924	944	23,490	4,172	4,140	2,060	7,598	17,970	1,117	19,087	4,403
1976.....	4,403	14,891	248	19,542	3,696	4,114	1,930	5,350	15,090	38	15,128	4,414
1977.....	4,414	16,543	127	21,084	3,648	4,584	1,875	6,984	17,091	24	17,115	3,969
1978.....	3,969	24,065	145	28,179	3,690	4,644	2,368	8,130	18,847	359	19,206	8,973
1979.....	3,973	22,389	7	31,369	3,523	4,034	2,116	7,082	16,755	2,422	19,177	12,192
1980.....	12,192	16,483	10	28,685	3,515	4,150	2,050	7,331	17,046	7,494	24,540	4,145
1981.....	4,145	18,822	432	23,399	3,458	4,160	2,242	8,915	18,775	1,529	20,304	3,000
1982.....	3,000	19,500	3,000	25,600	3,300	4,400	2,300	9,600	19,600	200	19,800	5,800
1983.....	5,800	27,100	1,600	34,500	3,500	4,800	2,100	11,800	22,200	1,000	23,200	11,300
1984.....	11,300	32,500	600	44,400	3,500	4,100	2,000	14,600	24,200	400	24,600	19,800
1985.....	19,800	20,600	2,200	42,600	3,500	3,800	2,100	11,200	20,600	200	20,800	21,900
1986.....	21,900	19,500	1,000	42,400	3,500	3,700	2,000	14,100	23,300	500	23,800	18,600
1987.....	18,600	19,800	1,200	39,600	3,500	3,800	2,000	10,900	20,200	500	20,700	18,900
1988 <sup>2</sup> .....	18,900	15,000	1,000	34,900	3,500	3,800	2,000	10,500	19,800	500	20,300	14,600

<sup>1</sup> Residual, approximates total feed use.

<sup>2</sup> Preliminary.

Economic Research Service.

Table 19.—Rye: Area, yield, and production, by States, 1986–88

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els
CO.....	15	18	18	2	3	6	21.0	24.0	25.0	42	72	150
DE.....	30	20	18	4	3	4	34.0	33.0	31.0	136	99	124
GA.....	425	380	350	85	70	70	21.0	22.0	27.0	1,785	1,540	1,890
IL.....	45	65	60	7	6	5	30.0	24.0	28.0	210	144	140
IN.....	35	40	50	10	11	11	28.0	27.0	30.0	280	297	330
IA.....	20	25	30	4	4	5	36.0	35.0	30.0	144	140	150
KS.....	64	35	40	10	10	5	21.0	27.0	26.0	210	270	130
KY.....	46	50	45	1	2	4	28.0	36.0	26.0	28	72	104
MD.....	46	55	58	9	8	10	33.0	31.0	29.0	297	248	290
MI.....	145	115	135	23	20	25	31.0	32.0	26.0	713	640	650
MN.....	100	75	75	50	40	40	32.0	30.0	23.0	1,600	1,200	920
MO.....	20	15	25	3	2	8	20.0	18.0	32.0	60	36	256
NE.....	140	200	250	45	50	55	23.0	23.0	25.0	1,035	1,150	1,375
NJ.....	58	55	60	10	8	10	31.0	29.0	31.0	310	232	310
NY.....	105	90	100	13	10	12	33.0	30.0	33.0	429	300	396
NC.....	160	150	160	35	30	35	17.0	24.0	26.0	595	720	910
ND.....	135	175	130	125	165	90	34.0	31.0	15.0	4,250	5,115	1,350
OH.....	40	50	40	5	5	5	35.0	36.0	37.0	175	180	185
OK.....	170	175	150	40	20	30	21.0	18.0	24.0	840	360	720
OR.....	20	20	15	5	4	3	40.0	30.0	25.0	200	120	75
PA.....	75	85	100	18	18	22	35.0	35.0	36.0	630	630	792
SC.....	80	90	75	23	24	30	17.0	22.0	24.0	391	528	720
SD.....	130	150	120	120	140	90	37.0	36.0	25.0	4,440	5,040	2,250
TX.....	100	140	150	10	10	10	19.0	15.0	15.0	190	150	150
VA.....	160	200	150	14	15	16	26.0	29.0	35.0	364	435	560
WI.....	20	25	40	6	5	6	28.0	20.0	20.0	168	100	120
US.....	2,384	2,498	2,444	677	683	607	28.8	29.0	24.8	19,522	19,818	15,047

<sup>1</sup> Relates to the total area of rye sown for all purposes; area planted in preceding fall.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 20.—Rye: Marketing year average price and value, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per bushel			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CO.....	1.15	1.25	2.15	48	90	323
DE.....	1.62	1.75	2.00	220	173	248
GA.....	1.80	1.79	2.60	3,213	2,757	4,914
IL.....	1.95	1.95	2.90	410	281	406
IN.....	1.70	1.75	2.65	476	520	875
IA.....	1.75	1.60	2.45	252	224	368
KS.....	1.00	1.10	2.15	210	297	280
KY.....	1.85	1.85	2.35	52	133	244
MD.....	1.62	1.75	1.95	481	434	566
MI.....	1.40	2.40	2.70	998	1,536	1,755
MN.....	1.46	1.47	2.00	2,336	1,764	1,840
MO.....	1.75	1.85	3.00	105	67	768
NE.....	1.40	1.40	2.40	1,449	1,668	3,900
NJ.....	3.05	3.40	3.75	946	789	1,163
NY.....	2.20	2.50	2.35	944	750	931
NC.....	1.90	1.90	2.95	1,131	1,368	2,685
ND.....	1.16	1.31	1.90	4,930	6,701	2,565
OH.....	2.50	2.50	4.00	438	450	740
OK.....	1.50	1.75	1.75	1,260	630	1,260
OR.....	1.36	1.50	2.35	272	180	176
PA.....	2.20	2.90	3.55	1,386	1,827	2,812
SC.....	1.75	1.75	2.85	684	924	2,052
SD.....	1.25	1.48	2.20	5,550	7,459	4,950
TX.....	2.00	1.80	2.70	380	270	405
VA.....	2.00	1.90	2.75	728	827	1,540
WI.....	1.55	1.70	2.60	260	170	312
US.....	1.49	1.63	2.49	29,159	32,289	37,478

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 21.—Rye: Price-support operations, United States, 1974-89**

Marketing year <sup>1</sup>	Support price		Put under support <sup>3</sup>		Acquired by CCC under support program <sup>4</sup>	Owned by CCC at end of the marketing year
	Per bushel	Percentage of parity <sup>2</sup>	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1974/75.....	.89	46	0.2	1.0	.....	.....
1975/76.....	.89	39	.1	.6	.....	.....
1976/77.....	1.20	48	.1	1.0	.....	.....
1977.....	1.70	61	.9	5.4	.....	.....
1978.....	1.70	56	3.0	11.5	.....	.....
1979.....	1.79	51	1.9	8.5	.....	.....
1980.....	1.91	51	.4	2.4	.....	.....
1981.....	2.04	48	.5	2.6	.....	.....
1982.....	2.17	48	1.7	8.1	1.4	( <sup>5</sup> )
1983.....	2.25	47	5.3	19.6	1.4	1.4
1984.....	2.17	45	10.1	30.9	4.9	6.5
1985.....	2.17	47	4.1	19.9	9.9	16.0
1986.....	1.63	38	5.9	30.3	2.6	15.4
1987.....	1.55	38	8.6	<sup>6</sup> 43.4	<sup>6</sup> 1.6	14.9
1988.....	1.50	37	<sup>6</sup> .3	<sup>6</sup> 2.0	<sup>6</sup> .8	<sup>6</sup> 7.4
1989.....	1.40	<sup>6</sup> 32	.....	.....	.....	.....

<sup>1</sup> The marketing year for 1974/75 and 1975/76 began on July 1. The marketing year for 1976/77 and all subsequent years begins on June 1.

<sup>2</sup> Percentage of parity price as of the beginning of the marketing year.

<sup>3</sup> Includes loans made, purchases, and purchase agreements entered into.

<sup>4</sup> Acquisitions of all loans forfeited during the marketing year including loans made in previous years.

<sup>5</sup> Less than 100,000 bushels.

<sup>6</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 22.—Rye: Area, yield, and production in specified countries, 1986/87-1988/89<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectares			Production		
	1986/ 87	1987/ 88	1988/ 89 <sup>3</sup>	1986/ 87	1987/ 88	1988/ 89 <sup>3</sup>	1986/ 87	1987/ 88	1988/ 89 <sup>3</sup>
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada.....	315	313	245	1.93	1.58	1.05	609	493	257
United States.....	274	276	246	1.81	1.82	1.55	496	503	382
Total.....	589	589	491				1,105	996	639
<b>South America:</b>									
Argentina.....	65	96	55	.92	.92	.75	60	88	41
Brazil.....	5	3	2	1.00	1.33	1.00	5	4	2
Chile.....	5	5	5	2.00	2.00	2.00	10	10	10
Total.....	75	104	62				75	102	53
<b>Europe:</b>									
Belgium-Luxembourg.....	10	13	11	5.50	4.31	5.18	55	56	57
Denmark.....	120	136	80	4.55	3.77	4.58	546	513	366
France.....	74	75	75	2.70	3.67	3.49	200	275	262
Germany, Fed. Rep. of.....	425	423	390	4.28	3.89	4.19	1,818	1,645	1,634
Greece.....	11	13	15	2.09	1.92	2.07	23	25	31
Italy.....	8	8	7	2.75	2.50	2.57	22	20	18
Netherlands.....	4	6	7	4.75	4.17	3.86	19	25	27
Portugal.....	124	128	124	.81	.84	.59	100	108	73
Spain.....	221	222	222	1.00	1.44	1.61	220	320	357
United Kingdom.....	6	7	7	5.00	4.57	4.71	30	32	33
Total EC.....	1,003	1,031	938				3,033	3,019	2,858
Austria.....	83	85	88	3.42	3.64	4.05	284	309	356
Finland.....	27	38	26	2.63	1.95	1.88	71	74	49
Norway.....	1	1	1	3.00	2.00	2.00	3	2	2
Sweden.....	39	40	36	3.95	3.43	3.56	154	137	128
Switzerland.....	4	4	4	4.75	4.75	5.00	19	19	20
Total Western Europe.....	1,157	1,199	1,093				3,564	3,560	3,413
Albania.....	11	11	12	1.00	1.00	.83	11	11	10
Bulgaria.....	30	30	30	1.67	1.50	1.67	50	45	50
Czechoslovakia.....	156	142	155	3.51	3.49	3.42	547	496	530
German Dem. Rep.....	680	655	607	3.54	3.49	2.93	2,406	2,283	1,780
Hungary.....	89	94	97	1.93	1.98	2.53	172	186	245
Poland.....	2,760	2,647	2,874	2.56	2.57	2.51	7,074	6,816	7,200
Romania.....	40	42	40	1.50	1.19	1.50	60	50	60
Yugoslavia.....	42	41	40	1.76	1.68	1.90	74	69	76
Total Eastern Europe.....	3,808	3,662	3,855				10,394	9,956	9,951
Total Europe.....	4,965	4,861	4,948				13,958	13,516	13,364
<b>Soviet Union (Europe and Asia):</b>									
8,741	9,725	10,115	1.74	1.86	1.83	15,248	18,055	18,517	
<b>Africa:</b>									
South Africa, Republic of.....	33	33	30	.15	.18	.17	5	6	5
<b>Asia:</b>									
Turkey.....	225	220	215	1.56	1.59	1.67	350	350	360
<b>Oceania:</b>									
Australia.....	60	49	25	.68	.33	.48	41	16	12
World total.....	14,688	15,581	15,886				30,782	33,041	32,950

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1986 and end early in 1987. <sup>2</sup> Harvested area as far as possible. <sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign Governments, other foreign source materials, reports of Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.



Table 23.—Rice, rough: Area, yield, production, disposition, and value, United States, 1974-88

Year	Area planted	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Marketing year average price per cwt. received by farmers <sup>1</sup>	Value of production <sup>1</sup>
	1,000 acres	1,000 acres	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	1,000 dollars
1974	2,550.0	2,531.0	4,440	112,386	1,043	111,343	11.20	1,261,859
1975	2,833.0	2,813.0	4,558	128,497	763	127,674	8.35	1,071,924
1976	2,489.0	2,480.0	4,663	115,648	378	115,270	7.02	811,358
1977	2,261.0	2,243.0	4,412	99,228	814	98,409	9.49	941,248
1978	2,393.0	2,370.0	4,484	133,170	602	132,568	8.16	1,087,000
1979	2,890.0	2,869.0	4,599	131,347	851	131,096	10.50	1,383,993
1980	3,980.0	3,912.0	4,413	146,150	(2)	(2)	12.80	1,873,007
1981	3,827.0	3,792.0	4,819	182,742	(2)	(2)	9.05	1,654,413
1982	3,295.0	3,262.0	4,710	153,637	(2)	(2)	7.91	1,245,608
1983	2,190.0	2,169.0	4,598	99,720	(2)	(2)	8.57	874,004
1984	2,830.0	2,802.0	4,954	138,810	(2)	(2)	8.04	1,119,373
1985	2,512.0	2,492.0	5,414	134,913	(2)	(2)	6.53	893,377
1986	2,381.0	2,360.0	5,651	133,356	(2)	(2)	3.75	495,505
1987	2,356.0	2,333.0	5,555	129,603	(2)	(2)	7.27	971,167
1988 <sup>3</sup>	2,928.0	2,895.0	5,511	159,547	(2)	(2)	6.70	1,068,965

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1982.

<sup>2</sup> Estimates discontinued.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

Table 24.—Rice, rough: Stocks on and off farms, United States, 1974-89

Year	On farms			Off farms <sup>1</sup>		
	Jan. 1	Apr. 1	Aug. 1	Jan. 1	Apr. 1	Aug. 1
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1974	7,729	1,536	77	44,435	25,175	3,877
1975	13,608	2,902	63	55,106	31,426	3,987
1976	24,713	12,800	657	66,333	50,481	30,688
1977	21,006	6,761	709	79,142	61,614	32,642
1978	8,269	3,157	586	68,813	49,898	20,542
1979	28,089	14,381	623	67,828	53,139	24,515
1980	31,021	12,030	563	72,897	55,968	19,530
1981	26,179	5,977	208	69,934	43,815	9,632
1982	48,404	26,807	4,453	82,980	63,473	36,934
1983	34,551	23,778	6,032	100,421	85,255	57,125
1984	30,681	15,802	1,250	84,028	63,964	38,456
1985	32,426	18,709	697	94,846	77,333	58,453
1986	36,737	22,232	2,031	106,249	93,985	68,916
1987	<sup>2</sup> 36,264	<sup>4</sup> 19,561	984	<sup>2</sup> 109,276	<sup>4</sup> 87,225	40,819
1988	<sup>2</sup> 29,789	<sup>4</sup> 10,104		<sup>2</sup> 85,631	<sup>4</sup> 65,494	
1989 <sup>2</sup>	39,581	<sup>4</sup> 27,266		<sup>2</sup> 92,107	<sup>4</sup> 62,784	

<sup>1</sup> Stocks at mills and in attached warehouses, in warehouses not attached to mills, and in ports or in transit.

<sup>2</sup> Preliminary.

<sup>3</sup> Estimate for December 1, previous year.

<sup>4</sup> Estimate for March 1.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 27

<sup>1</sup> Consolidated supply and disappearance of rough and milled rice. Milled-rice data converted to a rough-rice basis using annually derived extraction rates as factors.

<sup>2</sup> Based on Bureau of Census reports. Estimates for 1969, and 1970 adjusted by ASCS data, based on bills of lading submitted to the USDA for export payments.

<sup>3</sup> Results from losses in drying, storage, handling, and milling and from errors in estimation.

<sup>4</sup> Less than 50,000 cwt.

<sup>5</sup> Preliminary.

Economic Research Service. Totals may not add due to independent rounding.

Table 25.—Rice, by length of grain: Area, yield, and production, United States, 1974–88

Year	Area harvested			Yield per acre			Production		
	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain
	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.
1974	1,370.0	949.6	211.4	4,375	4,358	5,234	59,934	41,387	11,065
1975	1,453.3	1,141.2	225.5	4,376	4,579	5,633	63,593	52,255	12,589
1976	1,531.0	794.0	155.0	4,576	4,634	5,681	70,051	36,792	8,805
1977	1,467.0	595.0	187.0	4,240	4,415	5,746	62,206	26,272	10,745
1978	1,925.0	816.6	228.4	4,405	4,464	5,221	84,792	36,454	11,924
1979	1,940.0	749.0	180.0	4,159	5,397	6,019	80,692	40,421	10,834
1980	2,170.0	1,003.6	138.4	4,002	5,122	5,702	86,851	51,407	7,892
1981	2,482.0	1,150.2	159.8	4,449	5,347	6,770	110,426	61,497	10,819
1982	2,175.0	950.5	136.5	4,295	5,402	6,499	93,424	51,342	8,871
1983	1,543.0	511.0	115.0	4,168	5,360	6,969	64,318	27,388	8,014
1984	2,095.0	604.0	103.0	4,584	5,845	7,259	96,029	35,304	7,477
1985	1,942.0	470.5	79.5	5,168	6,050	7,650	100,367	28,464	6,082
1986	1,806.0	498.0	56.0	5,358	6,474	7,757	96,773	32,239	4,344
1987	1,698.0	594.0	41.0	5,241	6,339	7,212	88,995	37,651	2,957
1988 <sup>1</sup>	2,223.0	626.0	46.0	5,338	6,005	7,157	118,664	37,591	3,292

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 26.—Rice, rough, by length of grain: Stocks in all positions, United States, 1974–89

Year	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1974	25,302	13,774	2,132	.....	19,866	8,270	939	44	6,996	4,667	883	57
1975	36,393	16,532	1,450	.....	22,502	12,822	1,264	644	9,819	4,974	1,336	164
1976	40,705	24,749	14,260	.....	40,575	31,990	13,579	3,851	9,766	6,542	3,506	1,868
1977	54,987	32,262	12,950	.....	36,532	29,129	17,523	5,376	8,629	6,984	2,878	722
1978	42,641	28,929	9,624	.....	26,617	18,684	9,327	2,804	7,324	5,492	2,177	424
1979	54,785	36,222	11,049	.....	30,878	23,559	10,776	2,698	10,254	7,739	3,313	684
1980	62,318	40,062	10,515	.....	32,645	21,125	6,783	257	8,955	6,211	2,795	326
1981	54,909	27,132	4,869	.....	34,328	18,154	3,637	801	6,276	4,506	1,384	89
1982	72,440	44,206	14,578	.....	53,258	42,589	26,098	13,922	5,676	3,483	711	319
1983	71,051	50,339	21,335	170	56,340	52,754	37,795	21,990	7,581	5,940	4,027	1,830
1984	59,258	36,459	12,627	119	49,011	39,130	24,524	16,124	6,440	4,127	2,555	1,617
1985	74,691	56,393	34,517	2,111	44,807	33,907	21,194	12,408	7,774	5,742	3,439	1,671
1986	101,870	81,916	45,630	2,668	35,754	29,646	22,244	12,749	5,362	4,655	3,073	1,464
1987	<sup>2</sup> 101,298	<sup>3</sup> 70,224	<sup>2</sup> 22,397	1,721	<sup>3</sup> 38,864	<sup>3</sup> 32,779	18,084	11,454	<sup>2</sup> 5,378	<sup>3</sup> 3,783	1,372	675
1988	<sup>2</sup> 72,008	<sup>3</sup> 44,715	14,349	374	<sup>3</sup> 39,535	<sup>3</sup> 28,498	8,559	3,627	<sup>2</sup> 3,877	<sup>3</sup> 2,385	840	269
1989 <sup>4</sup>	94,594	64,091	.....	.....	33,229	23,290	.....	.....	3,865	2,669	.....	.....

<sup>1</sup> California only. <sup>2</sup> Estimate for December 1, previous year. <sup>3</sup> Estimate for March 1. <sup>4</sup> Preliminary. National Agricultural Statistics Service.Table 27.—Rough rice and milled rice (rough equivalent): Supply and disappearance, United States, 1974–88<sup>1</sup>

Year beginning August	Supply				Disappearance							Statistical discrepancies <sup>3</sup>	Ending stocks July 31
	Beginning stocks	Production	Imports	Total	Domestic use				Exports <sup>2</sup>	Total disappearance			
					Food	Brewers use	Seed	Total					
Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.		
1974	7.8	112.4	(*)	120.3	28.6	8.4	4.0	41.0	69.5	110.5	2.7	7.1	
1975	7.1	128.4	(*)	135.5	27.7	9.1	3.5	40.3	56.5	96.8	1.8	36.9	
1976	36.9	115.6	.1	152.6	29.2	10.3	3.2	42.7	65.6	108.3	3.8	40.5	
1977	40.5	99.2	.1	139.8	23.5	9.9	4.3	37.7	72.8	110.5	1.9	27.4	
1978	27.4	133.2	.1	160.7	33.7	11.2	4.3	49.2	75.7	124.9	4.2	31.6	
1979	31.6	131.9	.1	163.6	33.2	11.2	4.8	49.2	82.6	131.8	6.1	25.7	
1980	25.7	146.2	.2	172.1	38.4	11.0	5.1	54.5	91.4	145.9	9.7	16.5	
1981	16.5	182.7	.4	199.6	42.5	12.7	4.4	59.6	82.0	141.6	9.0	49.0	
1982	49.0	153.6	.7	203.3	37.3	13.5	3.2	54.0	68.9	122.9	8.9	71.5	
1983	71.5	99.7	.9	172.1	33.2	12.8	3.3	49.3	70.3	119.6	5.6	46.9	
1984	46.9	138.8	1.6	187.3	35.8	13.9	2.8	52.5	62.1	114.6	8.0	64.7	
1985	64.7	134.9	2.2	201.8	45.6	14.1	2.6	62.3	58.7	121.0	3.5	77.3	
1986	77.3	133.4	2.6	213.3	53.1	15.0	2.6	70.7	84.2	154.9	7.0	51.4	
1987	51.4	129.6	3.0	184.0	55.3	15.4	3.0	73.9	72.2	146.1	6.5	31.4	
1988 <sup>2</sup>	31.4	159.5	3.7	194.6	58.0	16.0	3.2	77.2	76.0	153.2	9.0	32.4	

See footnotes on page 19.

Table 28.—Rice, by length of grain: Area, yield, and production, by States, 1986–88

State	Area harvested			Yield per acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
Long grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	935.0	876.0	1,075.0	5,290	5,170	5,340	49,462	45,259	57,447
CA.....	20.0	36.0	50.0	7,600	7,200	7,000	1,520	2,592	3,500
LA.....	307.0	262.0	388.0	4,580	4,610	4,520	14,061	12,079	17,538
MS.....	198.0	198.0	255.0	5,400	5,100	5,310	10,692	10,098	13,275
MO.....	65.0	63.0	80.0	5,130	5,430	5,100	3,335	3,420	4,080
TX.....	281.0	263.0	380.0	6,300	5,910	6,010	17,703	15,547	22,824
US.....	1,806.0	1,698.0	2,223.0	5,358	5,241	5,338	96,773	88,995	118,664
Medium grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	84.0	132.0	134.0	5,410	5,800	5,400	4,544	7,656	7,236
CA.....	285.0	295.0	325.0	7,690	7,600	7,000	21,917	22,496	22,750
LA.....	119.0	158.0	147.0	4,470	4,450	4,450	5,319	7,031	6,542
MS.....			10.0			5,050			505
MO.....	2.0	3.0	2.0	4,950	4,800	5,100	99	144	102
TX.....	8.0	6.0	8.0	4,500	5,400	5,700	360	324	456
US.....	498.0	594.0	626.0	6,474	6,339	6,005	32,239	37,651	37,591
Short grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	1.0	2.0	1.0	5,400	5,500	5,200	54	110	52
CA.....	55.0	39.0	45.0	7,800	7,300	7,200	4,290	2,847	3,240
US.....	56.0	41.0	46.0	7,757	7,202	7,157	4,344	2,957	3,292

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 29.—Rice: Area, yield, and production, by States, 1986–88

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	1,030.0	1,020.0	1,220.0	1,020.0	1,010.0	1,210.0	5,800	5,250	5,350	54,060	53,025	64,735
CA.....	363.0	374.0	425.0	360.0	370.0	420.0	7,700	7,550	7,000	27,727	27,935	29,490
LA.....	430.0	425.0	545.0	426.0	420.0	535.0	4,550	4,550	4,500	19,380	19,110	24,080
MS.....	200.0	200.0	265.0	198.0	198.0	260.0	5,400	5,100	5,300	10,692	10,098	13,780
MO.....	68.0	67.0	83.0	67.0	66.0	82.0	5,120	5,400	5,100	3,434	3,564	4,182
TX.....	290.0	270.0	390.0	289.0	269.0	388.0	6,250	5,900	6,000	18,063	15,871	23,280
US.....	2,381.0	2,356.0	2,928.0	2,360.0	2,333.0	2,895.0	5,651	5,555	5,511	133,356	129,603	159,547

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 30.—Rice, milled, by length of grain: Stocks in all positions, United States, 1974-89

Year	Whole kernels (head rice)											
	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1974	1,117	1,467	792	.....	1,512	2,574	835	31	205	319	242	74
1975	1,697	1,185	421	.....	1,130	1,233	660	130	224	773	293	87
1976	1,893	1,454	922	.....	1,197	2,052	1,630	63	137	137	99	461
1977	1,802	2,140	1,618	.....	742	1,453	1,667	222	410	162	367	186
1978	3,417	3,945	1,719	.....	1,704	1,704	1,008	559	376	497	958	1,177
1979	3,349	2,757	2,302	.....	795	1,722	706	380	720	525	144	207
1980	3,312	3,840	2,471	.....	1,983	2,039	824	141	123	98	163	88
1981	3,909	4,146	1,747	.....	1,702	2,731	1,595	154	67	109	409	418
1982	2,600	2,963	2,166	.....	1,025	1,862	1,917	287	289	751	527	176
1983	3,715	3,865	3,157	22	1,027	1,779	1,957	420	458	124	105	70
1984	3,040	3,943	2,703	18	1,192	2,104	1,186	131	197	61	68	71
1985	3,255	4,049	2,218	31	1,245	917	624	1,061	50	89	113	83
1986	1,988	1,370	2,607	255	662	614	600	1,752	54	124	24	633
1987	<sup>2</sup> 2,879	<sup>3</sup> 2,090	3,540	63	<sup>2</sup> 584	<sup>3</sup> 492	1,015	783	<sup>2</sup> 218	<sup>3</sup> 29	194	210
1988	<sup>2</sup> 3,828	<sup>3</sup> 4,661	3,301	82	<sup>2</sup> 656	<sup>3</sup> 1,254	964	534	<sup>2</sup> 50	<sup>3</sup> 136	48	64
1989 <sup>4</sup>	3,779	5,268	.....	.....	914	865	.....	.....	50	36	.....	.....

  

Year	Broken kernels <sup>5</sup>											
	Second heads				Screenings				Brewers			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1974	566	545	587	30	103	189	228	.....	391	160	119	2
1975	731	830	672	34	141	112	37	.....	369	136	81	27
1976	897	1,190	969	7	125	88	111	.....	317	182	161	23
1977	1,121	1,283	1,002	35	75	430	154	.....	193	218	348	27
1978	692	1,004	509	92	81	102	65	.....	174	214	88	22
1979	952	1,285	1,026	180	112	139	68	.....	211	277	337	69
1980	500	507	403	63	31	152	49	.....	121	154	125	17
1981	684	591	930	276	65	66	43	.....	113	169	131	24
1982	884	946	691	416	90	83	73	.....	168	180	103	45
1983	759	847	394	186	85	125	119	.....	175	212	164	32
1984	870	772	938	204	153	211	93	.....	266	210	133	66
1985	874	586	605	147	99	108	66	.....	402	371	216	60
1986	<sup>2</sup> 1,301	908	772	315	106	37	79	.....	489	398	448	175
1987	<sup>2</sup> 1,122	<sup>3</sup> 1,210	1,290	89	<sup>2</sup> 167	<sup>3</sup> 144	221	.....	<sup>2</sup> 719	<sup>3</sup> 594	584	30
1988	<sup>2</sup> 1,389	<sup>3</sup> 1,041	690	146	<sup>2</sup> 243	<sup>3</sup> 304	85	106	<sup>2</sup> 524	<sup>3</sup> 576	241	195
1989 <sup>4</sup>	1,141	849	.....	.....	128	47	.....	.....	266	214	.....	.....

<sup>1</sup> California only.

<sup>2</sup> Estimates for December 1, previous year.

<sup>3</sup> Estimates for March 1.

<sup>4</sup> Preliminary.

<sup>5</sup> Screenings in California are included in second heads.

National Agricultural Statistics Service.

**Table 31.—Rice: Marketing year average price and value, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per cwt.			Value of production		
	1986	1987	1988 <sup>1 2</sup>	1986	1987	1988 <sup>1 2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AR.....	3.68	7.60		198,941	402,990	
CA.....	3.18	6.72		88,172	187,723	
LA.....	4.03	7.65		78,101	146,192	
MS.....	3.91	7.90		41,806	79,774	
MO.....	3.57	7.41		12,259	26,409	
TX.....	4.22	8.07		76,226	128,079	
US.....	3.75	7.27	6.70	495,505	917,167	1,068,965

<sup>1</sup> State estimates not available.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 32.—Rice, milled: United States exports under specified Government programs, 1974-87**

Year <sup>1</sup>	Public Law 480			Foreign donations Section 416 <sup>5</sup>	Mutual security (AID) <sup>6</sup>	Total specified Government programs
	Title I sales	Title II donations				
	Long-term dollar and convertible foreign currency credit sales <sup>2</sup>	Government-to-government and World Food Program <sup>3</sup>	Voluntary relief agencies <sup>4</sup>			
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1974.....	16,342	113	11		2	16,468
1975.....	11,228				111	11,339
(?).....	(10,007)					(10,007)
1976.....	14,572	198	357		8	15,135
1977.....	10,275	1,045	345			11,665
1978.....	9,224	1,135	315			10,674
1979.....	8,889	1,888	1,087			11,864
1980.....	5,449	1,583	893			7,925
1981.....	6,603	1,254	378			8,235
1982.....	8,829	988	657		2	10,476
1983.....	6,443	2,006	1,780			10,229
1984.....	9,599	2,051	1,072			12,722
1985.....	5,700	480	711			6,891
1986.....	6,342	2,251	808	1,314		10,715
1987.....	3,458	3,332	287	645	3	7,725

<sup>1</sup> Year beginning July 1 for 1974-75 and Oct. 1 beginning 1976.

<sup>2</sup> Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808.

<sup>3</sup> Authorized by Title II, P.L. 480.

<sup>4</sup> Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966.

<sup>5</sup> Section 416 of the Agricultural Act of 1949, as amended by P.L. 89-808, effective Jan. 1, 1967.

<sup>6</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985.

<sup>7</sup> Foreign Assistance Act of 1961, as amended.

<sup>8</sup> Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 33.—Rice, rough: Price-support operations, United States, 1974-89

Marketing year beginning August	Support prices		Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC <sup>4</sup>
	Per/cwt. loan/target	Percentage of parity <sup>1</sup> loan/target	Quantity	Percentage of production		
1974.....	7.54/—	65/—	9.3	8.3	( <sup>6</sup> )	.....
1975.....	8.52/—	65/—	21.5	16.8	17.3	17.3
1976.....	6.19/8.25	46/61	23.4	20.2	1.8	19.1
1977.....	6.19/8.25	44/59	19.5	19.7	.6	18.6
1978.....	6.40/8.53	42/55	27.1	20.3	.3	10.8
1979.....	6.79/9.05	38/51	26.1	19.8	.4	8.3
1980.....	7.12/9.49	38/50	25.0	17.1	.....	1.7
1981.....	8.01/10.68	39/51	42.8	23.4	17.5	.....
1982.....	8.14/10.85	39/51	65.8	42.4	6.5	17.5
1983.....	8.14/11.40	39/34	40.0	40.1	25.7	22.3
1984.....	8.00/11.90	39/58	57.8	41.6	31.3	25.0
1985.....	8.00/11.90	41/61	74.7	55.4	16.3	44.3
1986.....	7.20/11.90	37/62	132.3	98.8	2.2	43.6
1987.....	6.84/11.66	36/62	125.7	98.4	.5	8.7
1988.....	6.63/11.15	33/56	<sup>6</sup> 147.7	92.6	0	<sup>6</sup> 1
1989.....	6.50/10.80	.....	.....	.....	.....	0

<sup>1</sup> Percentage of parity price as of the beginning of the marketing year.<sup>2</sup> Includes loans made, purchases, and purchase agreements entered.<sup>3</sup> Acquisitions through loan forfeitures, crop year basis.<sup>4</sup> At beginning of market year.<sup>5</sup> Less than 50,000 cwt.<sup>6</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 34.—Rice: United States exports (milled basis), by country of destination, 1986 and 1987

Country of destination	Year beginning August <sup>1</sup>		Country of destination	Year beginning August <sup>1</sup>	
	1986	1987		1986	1987
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Canada.....	63,633	82,601	Indonesia.....	429	3,583
Mexico.....	602	1,473	Iran.....	0	0
Bahamas.....	5,112	4,939	Iraq.....	527,417	433,176
Dominican Republic.....	56,890	6,754	Korea, Rep. of.....	463	166
Haiti.....	80,306	60,550	Bangladesh.....	89,744	85,344
Jamaica.....	55,814	51,158	Saudi Arabia.....	214,760	220,016
Netherlands Antilles.....	11,022	11,563	Total Asia, Middle East, and Oceania <sup>2</sup> .....	1,488,014	1,083,766
Chile.....	10,135	18,983	Guinea.....	47,965	32,517
Total Western Hemisphere <sup>2</sup> .....	774,857	316,792	Ivory Coast.....	6,010	8,770
Belgium-Luxembourg.....	116,227	112,829	Liberia.....	76,284	72,517
France.....	8,641	1,454	Nigeria.....	50	74
Germany, Fed. Rep. of.....	35,668	21,775	Senegal.....	24,949	120,214
Netherlands.....	91,505	55,011	South Africa.....	88,947	93,920
Portugal.....	6,927	73	Total Africa <sup>2</sup> .....	419,898	527,640
Sweden.....	16,204	16,361	World total <sup>2</sup> .....	2,719,461	2,291,314
Switzerland.....	68,648	74,097			
United Kingdom.....	28,017	16,898			
Total Europe <sup>2</sup> .....	456,590	363,113			

<sup>1</sup> Marketing year.<sup>2</sup> Includes countries not shown.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 35.—Rice, rough: Area, yield, and production in specified countries, 1986/87–1988/89 <sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hect-ares	1,000 hect-ares	1,000 hect-ares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North and Central America:</b>									
Costa Rica	60	40	40	3.05	3.45	3.28	183	138	131
Cuba	171	153	155	3.36	3.05	3.55	575	466	551
Dominican Republic	110	110	110	4.42	4.35	4.13	486	478	454
El Salvador	12	14	15	3.83	2.86	3.27	46	40	49
Guatemala	15	18	21	2.60	2.94	3.19	39	53	67
Haiti	45	45	45	2.60	2.60	2.60	117	117	117
Honduras	9	15	17	4.78	3.73	3.94	43	56	67
Jamaica & Dep.	3	3	1	2.67	2.67	3.00	8	8	3
Mexico	125	150	120	4.21	3.80	3.50	526	570	420
Nicaragua	37	28	25	3.92	3.75	3.80	145	105	95
Panama	87	83	73	2.06	2.00	1.90	179	166	139
Trinidad and Tobago	10	10	10	3.00	3.00	3.00	30	30	30
United States	955	944	1,172	6.33	6.23	6.17	6,049	5,879	7,237
<b>Total</b>	<b>1,639</b>	<b>1,613</b>	<b>1,804</b>				<b>8,426</b>	<b>8,106</b>	<b>9,360</b>
<b>South America:</b>									
Argentina	90	100	95	3.91	3.80	3.58	352	380	340
Bolivia	87	94	90	1.60	1.91	1.56	139	180	140
Brazil	5,980	5,961	5,300	1.77	1.98	2.08	10,578	11,800	11,000
Chile	37	39	40	3.95	4.10	4.23	146	160	169
Colombia	384	389	408	4.86	4.56	4.57	1,865	1,775	1,863
Ecuador	172	139	122	3.11	3.04	3.43	535	423	418
Guyana	92	92	95	3.88	3.80	3.53	357	350	335
Paraguay	35	42	35	2.00	.57	2.00	70	24	70
Peru	144	215	209	4.15	4.65	4.59	597	1,000	960
Surinam	75	71	75	4.00	3.93	4.00	300	279	300
Uruguay	81	81	95	4.15	4.70	4.74	336	381	450
Venezuela	135	136	115	2.73	2.94	3.00	369	400	345
<b>Total</b>	<b>7,312</b>	<b>7,359</b>	<b>6,679</b>				<b>15,644</b>	<b>17,152</b>	<b>16,390</b>
<b>Europe:</b>									
France	12	12	14	5.00	4.92	5.50	60	59	77
Greece	18	18	21	6.61	6.44	5.52	119	116	116
Italy	193	191	199	5.72	5.75	5.51	1,103	1,099	1,096
Portugal	32	32	33	4.66	4.53	4.53	149	145	151
Spain	79	76	80	6.25	6.36	6.24	494	483	499
<b>Total EC</b>	<b>334</b>	<b>329</b>	<b>347</b>				<b>1,925</b>	<b>1,902</b>	<b>1,939</b>
Bulgaria	16	16	16	4.75	4.75	4.75	76	76	76
Hungary	15	15	15	3.20	3.20	3.20	48	48	48
Romania	45	47	48	3.93	3.28	3.33	177	154	160
Yugoslavia	9	10	10	5.33	4.80	3.80	48	48	38
<b>Total Eastern Europe</b>	<b>85</b>	<b>88</b>	<b>89</b>				<b>349</b>	<b>326</b>	<b>322</b>
<b>Total Europe</b>	<b>419</b>	<b>417</b>	<b>436</b>				<b>2,274</b>	<b>2,228</b>	<b>2,261</b>
<b>Soviet Union (Europe and Asia)</b>	<b>621</b>	<b>650</b>	<b>671</b>	<b>4.24</b>	<b>4.13</b>	<b>4.27</b>	<b>2,633</b>	<b>2,683</b>	<b>2,866</b>
<b>Africa:</b>									
Algeria	1	1	1	1.00	1.00	1.00	1	1	1
Angola	20	20	20	1.10	1.15	1.15	22	23	23
Benin	7	8	9	1.29	1.38	1.44	9	11	13
Burkina	20	20	30	1.55	1.10	1.63	31	22	49
Cameroon	35	35	35	3.23	3.43	3.29	113	120	115
Chad	20	15	25	1.25	1.00	1.40	25	15	35
Egypt	459	423	352	5.95	5.51	6.05	2,731	2,331	2,130
Gambia, The	27	20	25	1.52	1.20	1.60	41	24	40
Ghana	70	71	65	.90	.90	1.03	63	64	67
Guinea	455	445	435	1.12	1.08	1.08	508	480	469
Guinea-Bissau	140	165	165	.86	.93	.95	120	154	157
Ivory Coast	509	540	545	1.10	1.11	1.14	561	598	620
Kenya	9	10	11	4.22	3.80	3.55	38	38	39
Liberia	238	230	245	1.27	1.22	1.27	295	280	310
Madagascar	1,180	1,195	1,200	1.89	1.80	1.83	2,230	2,150	2,200
Malawi	23	19	20	1.57	1.42	1.50	36	27	30

See footnotes at end of table.

Table 35.—Rice, rough: Area, yield, and production in specified countries, 1986/87–1988/89<sup>1</sup>—Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Africa—Continued</b>									
Mali.....	250	200	245	0.98	1.00	1.27	245	200	311
Mauritania.....	7	11	12	3.43	3.27	4.25	24	36	51
Morocco.....	5	8	8	3.60	4.25	4.25	18	34	34
Mozambique.....	70	55	50	.87	.82	.90	61	45	45
Niger.....	30	27	25	2.50	2.15	1.80	75	58	45
Nigeria.....	660	630	635	1.43	1.31	1.42	947	827	902
Senegal.....	72	74	80	2.06	1.82	1.83	148	135	146
Sierra Leone.....	380	385	250	1.38	1.43	1.24	525	550	433
Somalia.....	7	6	6	2.57	2.50	2.33	18	15	14
Sudan.....	7	7	7	1.43	1.43	1.43	10	10	10
Swaziland.....	2	2	2	2.50	2.50	2.50	5	5	5
Tanzania, United Republic of.....	315	340	345	1.70	1.86	1.78	534	632	614
Togo.....	21	23	33	.86	.91	.91	18	21	30
Zaire.....	278	276	275	.91	.93	.93	253	257	255
Zambia.....	11	9	10	1.36	1.33	1.30	15	12	13
<b>Total.....</b>	<b>5,323</b>	<b>5,270</b>	<b>5,266</b>				<b>9,720</b>	<b>9,175</b>	<b>9,206</b>
<b>Asia:</b>									
Afghanistan.....	214	210	210	2.24	2.26	2.29	480	475	480
Bangladesh.....	10,609	10,322	9,160	2.18	2.24	2.52	23,111	23,122	23,042
Brunei.....	3	3	3	2.00	2.00	2.00	6	6	6
Burma.....	4,520	4,440	4,460	2.65	2.59	2.80	12,000	11,500	12,500
Cambodia.....	1,550	1,400	1,600	.97	.91	.99	1,500	1,270	1,587
China (Mainland).....	32,266	32,139	31,914	5.34	5.42	5.37	172,224	173,880	169,110
India.....	40,774	38,319	41,500	2.22	2.21	2.53	90,633	84,608	105,611
Indonesia.....	9,896	9,800	9,800	3.94	4.24	4.32	38,971	41,538	42,308
Iran.....	310	310	350	4.40	4.40	4.29	1,364	1,364	1,500
Iraq.....	50	55	55	2.92	2.73	2.73	146	150	150
Japan.....	2,303	2,146	2,132	6.32	6.19	5.82	14,559	13,284	12,418
Korea, Democratic People's Rep.....	890	890	890	6.36	6.36	6.36	5,594	5,594	5,594
Korea, Republic of.....	1,236	1,262	1,260	6.37	6.02	6.64	7,872	7,596	8,371
Laos.....	790	675	650	2.04	1.81	1.67	1,490	1,220	1,085
Malaysia.....	635	629	625	2.81	2.70	2.68	1,786	1,696	1,677
Nepal.....	1,333	1,333	1,350	2.10	1.78	1.78	2,800	2,372	2,402
Pakistan.....	2,066	1,963	1,939	2.53	2.48	2.37	5,230	4,862	4,590
Philippines.....	3,402	3,265	3,350	2.64	2.65	2.66	8,971	8,651	8,900
Saudi Arabia.....	1	1	1	3.00	3.00	3.00	3	3	3
Sri Lanka.....	837	680	820	3.10	3.13	3.02	2,596	2,125	2,478
Taiwan.....	532	501	500	4.69	4.79	4.67	2,496	2,402	2,333
Thailand.....	9,659	9,237	10,250	1.95	1.95	2.05	18,868	18,042	21,000
Turkey.....	70	65	70	3.63	3.78	3.63	254	246	254
Vietnam.....	5,689	5,577	5,750	2.81	2.74	2.83	16,003	15,286	16,300
<b>Total.....</b>	<b>129,565</b>	<b>125,212</b>	<b>128,629</b>				<b>428,957</b>	<b>421,292</b>	<b>443,099</b>
<b>Oceania:</b>									
Australia.....	96	107	103	5.72	7.12	7.50	549	762	773
<b>World total.....</b>	<b>144,975</b>	<b>140,628</b>	<b>143,588</b>				<b>468,203</b>	<b>461,393</b>	<b>483,955</b>

<sup>1</sup> Crop year beginning Aug. 1. Crops harvested in the Northern Hemisphere during the latter part of the year are combined with those harvested in Asia principally from November to May, and in the Southern Hemisphere harvested during the first part of the following year.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.



Table 36.—Rice, milled equivalent: <sup>1</sup> International trade, 1986-88 <sup>2</sup>

Continent and country	1986		1987		1988 <sup>3</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
<b>North America:</b>						
Canada .....		115	0	85	0	110
El Salvador .....		5	0	5	0	5
Honduras .....		0	0	5	0	5
Mexico .....		75	0	0	0	30
Nicaragua .....		15	0	30	0	30
Panama .....		70	0	5	0	5
United States .....	2,389		2,444	80	2,247	109
Cuba .....		200	0	200	0	200
Jamaica .....		60	0	60	0	60
Trinidad and Tobago .....		55	0	55	0	40
Other .....	10	170	0	160	0	195
<b>Total .....</b>	<b>2,399</b>	<b>765</b>	<b>2,444</b>	<b>685</b>	<b>2,247</b>	<b>759</b>
<b>South America:</b>						
Argentina .....	145		150	0	160	0
Brazil .....		1,200	170	0	20	75
Guyana .....		35	69	0	56	0
Chile .....		10	0	20	0	25
Colombia .....	35		10	20	0	39
Ecuador .....	5	70	20	0	25	0
Peru .....		186	0	211	0	17
Surinam .....	130		116	0	69	0
Uruguay .....	280		190	0	244	0
Venezuela .....			0	0	0	30
Other .....	20		0	0	0	0
<b>Total .....</b>	<b>615</b>	<b>1,501</b>	<b>725</b>	<b>251</b>	<b>564</b>	<b>186</b>
<b>Europe:</b>						
Austria .....		45	0	70	0	57
Belgium-Luxembourg .....	140		129	172	120	175
Denmark .....		15	0	15	0	15
France .....	15	230	45	150	20	224
Germany, Fed. Rep. of .....	40	190	40	190	32	132
Greece .....	20	5	20	5	53	6
Italy .....	700	240	574	152	550	100
Netherlands .....	110	160	90	135	80	145
Norway .....		10	0	10	0	10
Portugal .....		100	0	49	0	56
Spain .....	55	24	23	79	81	60
Sweden .....		30	0	40	0	31
Switzerland .....		25	0	25	0	25
United Kingdom .....		190	10	210	11	212
Other .....		30	0	31	0	30
<b>Total Western Europe .....</b>	<b>1,080</b>	<b>1,484</b>	<b>921</b>	<b>1,333</b>	<b>941</b>	<b>1,328</b>
Germany, Dem. Rep. of .....		25	0	30	0	30
Hungary .....		55	0	55	0	55
Poland .....		100	0	90	0	100
Romania .....		40	0	15	0	15
Yugoslavia .....		20	0	0	0	0
Soviet Union .....	100	200	241	488	166	250
Other .....		80	0	80	0	80
<b>Total Eastern Europe .....</b>	<b>100</b>	<b>520</b>	<b>241</b>	<b>758</b>	<b>166</b>	<b>533</b>
<b>Africa:</b>						
Algeria .....		25	0	25	0	25
Angola .....		50	0	50	0	40
Zaire .....		45	0	70	0	75
Gambia .....		45	0	70	0	80
Ghana .....		60	0	60	0	90
Guinea .....		110	0	100	0	120
Ivory Coast .....	5	375	0	445	0	200
Liberia .....		80	0	100	0	92
Madagascar .....		150	0	125	0	70

See footnotes at end of table.

Table 36.—Rice, milled equivalent:<sup>1</sup> International trade, 1986–88<sup>2</sup>—Continued

Continent and country	1986		1987		1988 <sup>3</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Africa—Continued</b>						
Mauritius.....		100		80	0	70
Mozambique.....		125		125	0	120
Nigeria.....		200		400	0	240
Senegal and Mauritania.....		465		395	0	400
Sierra Leone.....		95		94	0	84
South Africa.....		195		207	0	260
Egypt.....	50	50	105	20	97	15
Tanzania.....		50	14	50	0	45
Other.....	5	625	5	455	8	585
<b>Total</b> .....	<b>60</b>	<b>2,845</b>	<b>119</b>	<b>2,871</b>	<b>105</b>	<b>2,955</b>
<b>Asia:</b>						
Bangladesh.....		90		746	0	350
Saudi Arabia.....		500		500	0	431
Israel.....		65		65	0	65
Jordan.....		60		72	0	85
Lebanon.....		25		25	0	25
Turkey (Europe and Asia).....		80		110	0	130
Iraq.....		500		550	0	650
Syria.....		130		100	0	120
Iran.....		700		1,000	0	400
Burma.....	636		300		350	
Sri Lanka.....	150			102	0	180
China.....	950	250	1,020	554	698	400
Taiwan.....	275	5	225	5	104	4
Hong Kong.....	5	370	5	375	5	400
India.....	200	10	350	5	200	700
Kampuchea.....		50		50	200	50
Laos.....		20		30	0	30
Vietnam, Soc. Rep. of.....	50	500	63	450	75	350
Indonesia.....	300	40	100	155	0	33
Japan.....		20		17	0	16
Korea, Rep. of.....					0	0
Korea, Dem. People's Rep.....	250	200	250		100	0
Malaysia.....		325		350	1	350
Singapore.....	5	200	25	210	25	210
Pakistan.....	1,148		1,226		972	0
Philippines.....		150		200	0	181
Thailand.....	4,338		4,355		4,791	0
Other.....	15	475	15	470	9	500
<b>Total</b> .....	<b>8,172</b>	<b>4,915</b>	<b>7,939</b>	<b>6,887</b>	<b>7,530</b>	<b>5,460</b>
<b>Oceania:</b>						
Australia.....	400	5	417	10	450	10
Other.....		115		115		100
<b>Total</b> .....	<b>400</b>	<b>120</b>	<b>400</b>	<b>125</b>	<b>450</b>	<b>110</b>
<b>Other countries</b> .....		<b>465</b>		<b>30</b>		<b>458</b>
<b>World total</b> .....	<b>12,826</b>	<b>12,615</b>	<b>12,554</b>	<b>10,238</b>	<b>11,019</b>	<b>11,789</b>

<sup>1</sup> Includes milled, semi-milled, broken, and rough rice in terms of milled.<sup>2</sup> Calendar year.<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers.

Table 37.—Food grains: Average price, selected markets and grades, 1974-87<sup>1</sup>

Crop year <sup>2</sup>	Kansas City			Minneapolis			Portland Wheat No. 1 Soft White	St. Louis Wheat, No. 2 Soft Red Winter
	Wheat, No. 1 Hard Winter, Ordinary Protein	Wheat, No. 1 Hard Winter, 13% protein	Wheat, No. 1 Soft Red Winter	Wheat, No. 1 Hard Amber Durum	Wheat, No. 1 Dark Northern Spring, 14% protein	Rye, No. 2		
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1974	4.20	4.64	4.12	6.53	4.85	2.89	4.44	4.11
1975	3.74	4.16	3.52	5.05	4.42	2.84	3.88	3.46
1976	2.88	3.18	2.70	3.19	3.35	2.87	3.10	2.77
1977	2.72	2.81	2.54	3.31	2.88	2.53	3.09	2.54
1978	3.38	3.41	3.34	3.60	3.35	2.44	3.73	3.43
1979	4.25	4.34	4.04	4.99	4.21	2.47	4.22	4.10
1980	4.45	4.50	4.23	6.39	4.71	3.35	4.36	4.39
1981	4.27	4.30	3.67	4.21	4.29	3.80	4.20	3.66
1982	3.94	4.13	3.53	3.96	4.09	2.75	4.39	3.32
1983	3.84	4.14	3.58	4.57	4.30	2.50	3.95	3.62
1984	3.74	3.93	3.49	4.26	4.06	2.26	3.82	3.57
1985	3.28	3.62	3.16	3.45	3.94	2.32	3.72	3.26
1986	2.72	2.87	2.85	3.17	3.07	1.77	2.90	2.87
1987	2.96	3.14	2.97	3.57	3.15	1.79	3.06	2.95

  

Crop year <sup>2</sup>	Chicago Wheat, No. 2 Soft Red Winter	Denver Wheat, No. 1 Hard Winter	San Francisco Milled Rice Short	S.W. Louisiana Milled Rice		Arkansas Milled Rice		Texas Milled Rice	
				Medium	Long	Medium	Long	Medium	Long
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
1974	4.16	3.76	25.40	20.05	21.55	21.15	22.40	19.90	22.05
1975	3.54	3.33	20.65	15.85	17.20	17.10	18.10	17.35	18.35
1976	2.81	2.38	15.15	13.30	14.60	14.40	15.30	14.10	14.95
1977	2.56	2.16	20.25	20.55	21.40	19.10	21.25	20.60	21.75
1978	3.57	2.77	18.25	16.00	18.20	15.40	18.40	16.65	18.85
1979	4.24	3.54	22.00	21.40	22.05	21.50	22.25	22.05	22.40
1980	4.33	3.78	23.45	22.51	22.92	22.51	22.62	22.81	23.30
1981	3.74	3.61	22.10	19.20	20.25	19.44	20.20	21.30	21.30
1982	3.33	3.44	16.05	16.90	18.00	16.80	17.80	18.70	18.70
1983	3.56	3.36	15.96	17.50	18.64	17.34	18.65	19.88	19.88
1984	3.51	3.31	15.45	16.05	17.75	16.25	17.70	18.60	18.60
1985	3.22	2.96	14.35	14.75	16.15	15.25	16.15	16.80	16.80
1986	2.76	2.40	14.80	12.25	13.10	13.50	13.80	14.60	14.60
1987	2.89	2.61	.....	12.45	12.70	13.70	13.95	.....	13.15

<sup>1</sup> Simple average of daily prices.

<sup>2</sup> For wheat and rye, crop year begins in June. For rice, crop year begins in August.

n.a. not available.

Agricultural Marketing Service.

Table 38.—Corn: Area, yield, production, disposition, and value, United States, 1974-88

Year	Area planted, all purposes	Corn for grain							Corn for silage		
		Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel <sup>1</sup>	Value of production <sup>1</sup>	Area harvested	Yield per harvested acre	Production <sup>2</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>
1974.....	77,935	65,405	71.9	4,701,402	1,754,693	2,946,709	3.02	14,231,557	10,844	10.7	115,705
1975.....	78,719	67,625	86.4	5,840,757	2,121,088	3,719,669	2.54	14,817,840	9,848	11.8	116,087
1976.....	84,588	71,506	88.0	6,289,169	2,329,332	3,959,837	2.15	13,524,134	11,281	10.5	118,547
1977.....	84,328	71,614	90.8	6,505,041	2,548,330	3,956,711	2.02	13,107,420	9,314	12.6	117,743
1978.....	81,675	71,930	101.0	7,267,927	2,835,821	4,432,106	2.25	16,280,688	8,624	13.7	118,132
1979.....	81,394	72,400	109.5	7,928,139	2,976,268	4,962,551	2.48	19,876,655	7,989	14.4	114,799
1980.....	84,043	72,961	91.0	6,639,396	( <sup>3</sup> )	( <sup>3</sup> )	3.12	20,554,147	9,299	12.0	111,990
1981.....	84,097	74,524	108.9	8,118,650	( <sup>3</sup> )	( <sup>3</sup> )	2.47	20,200,261	8,307	14.2	117,891
1982.....	81,857	72,719	113.2	8,235,101	( <sup>3</sup> )	( <sup>3</sup> )	2.55	22,039,409	8,252	14.3	117,782
1983.....	60,217	51,483	81.1	4,174,678	( <sup>3</sup> )	( <sup>3</sup> )	3.21	13,534,930	7,814	12.3	96,347
1984.....	80,543	71,915	106.7	7,674,020	( <sup>3</sup> )	( <sup>3</sup> )	2.63	20,084,595	7,541	13.9	104,590
1985.....	83,448	75,224	118.0	8,876,706	( <sup>3</sup> )	( <sup>3</sup> )	2.23	19,521,975	7,160	14.4	102,753
1986.....	76,674	69,159	119.3	8,249,864	( <sup>3</sup> )	( <sup>3</sup> )	1.50	12,541,426	6,274	14.1	85,660
1987.....	65,704	59,208	119.4	7,072,073	( <sup>3</sup> )	( <sup>3</sup> )	1.94	13,984,764	5,829	14.5	84,468
1988 <sup>4</sup> .....	67,619	58,164	84.6	4,921,191	( <sup>3</sup> )	( <sup>3</sup> )	2.55	12,726,649	8,295	9.5	78,925

<sup>1</sup> Includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. <sup>2</sup> Includes hogged or grazed and that cut and fed without removing grain. <sup>3</sup> Estimates discontinued. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 39.—Corn: Stocks on and off farms, United States, 1974-89

Year	On farms				Off farms <sup>3</sup>			
	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1974.....	3,371,270	2,020,081	1,067,098	288,737	1,116,424	849,794	380,541	195,125
1975.....	2,560,883	1,522,900	811,014	193,194	1,080,024	704,911	345,658	168,193
1976.....	3,203,242	1,923,759	1,292,185	233,193	1,270,300	912,996	576,640	166,459
1977.....	3,357,995	2,141,623	1,582,768	447,846	1,544,023	1,159,329	787,263	438,019
1978.....	3,873,623	2,549,170	1,872,359	666,727	1,678,678	1,360,245	988,779	444,708
1979.....	4,637,662	3,177,893	2,318,006	794,465	1,681,036	1,322,484	969,208	509,460
1980.....	5,035,688	3,437,303	2,551,625	920,453	1,844,484	1,416,321	1,092,648	696,597
1981.....	4,138,902	2,639,578	1,817,256	489,881	1,717,844	1,346,494	956,199	544,388
1982.....	4,986,266	3,591,813	2,734,195	1,243,331	1,934,436	1,506,394	1,145,921	930,675
1983.....	5,935,986	4,241,717	3,093,509	1,510,394	2,268,706	1,956,269	1,830,375	1,609,543
1984.....	3,079,963	1,933,652	1,213,068	347,853	1,882,904	1,317,558	932,007	375,370
1985.....	4,304,054	2,833,806	2,007,823	678,947	1,560,171	1,131,736	827,701	701,780
1986.....	5,528,606	3,981,992	3,143,067	.....	2,366,162	1,965,087	1,846,970	.....
Year beginning previous December	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1
1987.....	6,795,500	5,024,000	3,491,800	2,284,500	3,509,999	3,224,193	2,840,441	2,597,193
1988.....	6,100,000	4,421,000	3,241,000	2,002,800	3,671,005	3,214,590	2,594,542	2,256,286
1989 <sup>4</sup> .....	4,280,200	3,021,000	2,022,000	.....	2,791,367	2,182,926	1,397,030	.....

<sup>1</sup> Prior to 1976, estimates are for July 1.

<sup>2</sup> Old crop only.

<sup>3</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 40.—Corn: Supply and disappearance, United States, 1974-88<sup>1</sup>

Year beginning October	Supply				Disappearance					Ending stocks Sept. 30		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Private-ly held <sup>2</sup>	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1974.....	484	4,701	2	5,187	3,181	496	3,677	1,149	4,826	361	0	361
1975.....	558	5,841	2	6,401	3,569	521	4,090	1,678	5,768	633	0	633
1976.....	633	6,289	3	6,925	3,590	542	4,132	1,657	5,789	1,136	0	1,136
1977.....	1,135	6,505	3	7,643	3,717	581	4,298	1,909	6,207	1,432	4	1,436
1978.....	1,436	7,268	1	8,705	4,264	607	4,871	2,124	6,995	1,609	101	1,710
1979.....	1,710	7,928	1	9,639	4,550	640	5,190	2,415	7,605	1,774	260	2,034
1980.....	2,034	6,639	1	8,674	4,156	718	4,874	2,408	7,282	1,150	242	1,392
1981.....	1,392	8,119	1	9,512	4,169	796	4,965	2,010	6,975	2,257	280	2,537
1982.....	2,537	8,235	1	10,773	4,522	894	5,416	1,834	7,250	2,380	1,143	3,523
1983.....	3,523	4,175	3	7,701	3,818	975	4,793	1,902	6,695	805	201	1,006
1984.....	1,006	7,674	4	8,684	4,080	1,091	5,171	1,865	7,036	1,423	225	1,648
1985.....	1,648	8,877	11	10,536	4,095	1,160	5,255	1,241	6,496	3,494	546	4,040
1986.....	4,040	8,250	2	12,291	4,714	1,192	5,905	1,504	7,410	3,498	1,443	4,882
1987.....	4,882	7,072	4	11,958	4,735	1,229	5,964	1,735	7,699	3,424	835	4,259
1988 <sup>3</sup> .....	4,259	4,921	5	9,185	4,300	1,224	5,525	2,000	7,525	1,410	250	1,660

<sup>1</sup> 1975 to date revised based on new crop year, Sept. 1-Aug. 31.

<sup>2</sup> Includes total Government loans (original and resale).

<sup>3</sup> Preliminary.

Economic Research Service.

Table 41.—Corn: Area, yield, and production, by States, 1986-88

State	Area planted for all purposes			Corn for grain								
	1986	1987	1988 <sup>1</sup>	Area harvested			Yield per harvested acre			Production		
				1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	340	300	240	270	250	170	57.0	72.0	44.0	15,390	18,000	7,480
AZ.....	37	29	24	24	20	17	110.0	100.0	130.0	2,640	2,000	2,210
AR.....	90	70	65	80	65	60	106.0	115.0	100.0	8,480	7,475	6,000
CA.....	500	413	375	250	221	187	152.0	160.0	145.0	38,000	35,360	27,115
CO.....	820	800	910	710	690	300	140.0	155.0	160.0	99,400	106,950	128,000
CT <sup>2</sup> .....	57	55	54	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
DE.....	180	165	150	169	148	140	83.0	73.0	70.0	14,027	10,804	9,800
FL.....	200	130	100	160	105	65	62.0	72.0	58.0	9,920	7,560	3,770
GA.....	900	680	600	730	610	500	58.0	84.0	62.0	42,340	51,240	31,000
ID.....	130	110	110	60	50	50	130.0	130.0	130.0	7,800	6,500	6,500
IL.....	10,600	9,250	9,900	10,400	9,100	9,600	135.0	132.0	73.0	1,404,000	1,201,200	700,800
IN.....	5,850	4,800	5,200	5,700	4,680	5,000	122.0	135.0	83.0	695,400	631,900	415,000
IA.....	12,300	10,300	11,300	12,050	10,050	10,700	135.0	130.0	84.0	1,626,750	1,306,500	898,800
KS.....	1,450	1,300	1,250	1,335	1,180	1,150	136.0	120.0	125.0	181,560	141,600	143,750
KY.....	1,730	1,300	1,300	1,520	1,140	1,100	92.0	104.0	73.0	139,840	118,560	80,300
LA.....	400	225	145	385	213	125	118.0	105.0	95.0	44,660	22,365	11,875
ME <sup>2</sup> .....	41	37	35	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
MD.....	700	560	520	580	460	420	73.0	78.0	65.0	42,340	35,880	27,300
MA <sup>2</sup> .....	43	40	39	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
MI.....	2,800	2,300	2,100	2,450	1,950	1,600	105.0	95.0	70.0	257,250	185,250	112,000
MN.....	6,400	5,500	5,700	5,800	5,000	4,700	122.0	127.0	74.0	707,600	635,000	347,800
MS.....	210	210	200	180	185	150	75.0	80.0	60.0	13,500	14,800	9,000
MO.....	2,550	2,250	2,200	2,420	2,150	2,020	116.0	113.0	76.0	280,720	242,950	153,520
MT.....	80	80	90	13	15	20	115.0	105.0	110.0	1,495	1,575	2,200
NE.....	7,300	6,500	6,900	7,000	6,200	6,600	128.0	131.0	124.0	896,000	812,200	818,400
NH <sup>2</sup> .....	28	25	23	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
NJ.....	135	115	100	104	95	84	107.0	110.0	7.0	11,128	10,450	5,880
NM.....	80	68	75	55	49	55	150.0	155.0	155.0	8,250	7,595	8,525
NY.....	1,220	1,010	990	620	510	485	99.0	109.0	85.0	61,380	55,590	41,225
NC.....	1,600	1,300	1,050	1,360	1,150	930	69.0	60.0	84.0	93,840	69,000	78,120
ND.....	880	770	800	530	500	380	93.0	93.0	58.0	49,290	46,500	22,040
OH.....	3,900	3,200	3,300	3,720	3,020	3,000	128.0	120.0	85.0	476,160	362,400	255,000
OK.....	70	90	90	45	66	72	116.0	107.0	95.0	5,220	7,062	6,840
OR.....	60	55	50	30	24	19	160.0	165.0	158.0	4,800	3,960	3,002
PA.....	1,670	1,550	1,480	1,240	1,060	910	103.0	90.0	65.0	127,720	95,400	59,150
RI <sup>2</sup> .....	4	3	3	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
SC.....	550	420	380	460	375	335	46.0	78.0	58.0	21,160	29,250	19,430
SD.....	3,300	3,100	3,150	2,850	2,750	2,400	82.0	83.0	55.0	233,700	228,250	132,000
TN.....	910	730	680	770	580	530	74.0	91.0	73.0	56,980	52,780	38,690
TX.....	1,400	1,300	1,500	1,330	1,250	1,350	112.0	107.0	96.0	148,960	133,750	129,600
UT.....	72	70	70	18	20	22	125.0	140.0	124.0	2,250	2,800	2,728
VT <sup>2</sup> .....	102	98	96	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
VA.....	730	550	530	400	300	295	54.0	63.0	79.0	21,600	18,900	23,305
WA.....	170	120	120	120	80	80	170.0	170.0	170.0	20,400	13,600	13,600
WV.....	95	85	85	70	50	40	90.0	72.0	58.0	6,300	3,600	2,320
WI.....	3,900	3,550	3,450	3,100	2,800	1,950	118.0	118.0	67.0	365,800	330,400	130,650
WY.....	90	91	90	51	47	53	114.0	111.0	122.0	5,814	5,217	6,466
US.....	76,674	65,704	67,619	69,159	59,208	58,164	119.3	119.4	84.6	8,249,864	7,072,073	4,921,191

<sup>1</sup> Preliminary.<sup>2</sup> All acreage harvested is for silage.<sup>3</sup> Not estimated.

National Agricultural Statistics Service.

Table 42.—Corn: Utilization for silage and forage, by States, 1986-88

State	Silage								
	Area harvested			Yield per acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	25	22	20	9.0	10.0	8.0	225	220	160
AZ.....	13	9	7	25.0	23.0	27.0	325	207	189
AR.....	9	4	4	14.0	10.0	8.0	126	40	32
CA.....	243	186	182	24.0	26.0	23.0	5,832	4,836	4,186
CO.....	95	105	105	22.0	22.0	23.0	2,090	2,310	2,415
CT.....	51	50	47	20.0	18.0	18.0	1,020	900	846
DE.....	9	14	8	11.0	9.0	13.0	99	126	104
FL.....	15	10	12	13.0	13.5	13.0	195	135	156
GA.....	40	40	50	9.0	10.5	8.5	360	420	425
IL.....	69	48	58	23.0	22.0	23.0	1,587	1,056	1,334
IN.....	160	140	260	16.0	15.5	7.5	2,560	2,170	1,950
IA.....	120	110	150	17.0	13.0	11.5	2,040	1,980	1,725
KS.....	200	220	550	17.0	16.0	9.0	3,400	3,520	4,950
KY.....	95	100	95	16.0	15.0	14.0	1,520	1,500	1,330
LA.....	190	150	160	14.0	15.0	10.5	2,660	2,250	1,680
ME.....	10	10	12	12.0	13.0	14.0	120	130	168
MD.....	34	32	29	14.0	16.0	17.0	476	512	493
MI.....	115	95	95	9.0	12.0	10.0	1,035	1,140	950
MA.....	36	34	33	18.0	18.5	19.5	648	629	644
MN.....	320	330	450	13.5	13.0	7.5	4,320	4,290	3,375
MO.....	450	430	850	13.5	13.5	6.2	6,075	5,805	5,270
MS.....	20	19	35	12.0	13.0	10.0	240	247	350
MT.....	80	80	150	13.5	14.0	8.0	1,080	1,120	1,200
NE.....	63	64	67	19.0	18.0	19.0	1,197	1,152	1,273
NH.....	200	225	245	15.5	17.0	14.0	3,100	3,825	3,430
NJ.....	25	23	21	18.5	19.0	19.0	463	437	399
NM.....	27	19	14	15.5	15.0	10.0	419	285	140
NY.....	22	16	17	20.0	20.0	20.0	440	320	340
NC.....	570	480	500	14.0	15.0	13.0	7,980	7,200	6,500
ND.....	130	105	105	7.5	11.0	10.0	975	1,155	1,050
OH.....	300	230	300	7.5	7.5	3.0	2,250	1,725	900
OK.....	160	160	250	17.0	16.0	10.5	2,720	2,560	2,625
OR.....	15	23	13	17.0	16.0	14.0	255	368	182
PA.....	29	30	29	24.0	24.0	22.0	696	720	638
RI.....	420	480	550	15.0	14.5	10.0	6,300	6,960	5,500
SC.....	4	3	2	19.0	15.0	19.0	76	45	38
SD.....	45	32	31	7.0	12.0	8.5	315	384	264
TN.....	370	320	670	7.5	7.3	3.8	2,775	2,336	2,546
TX.....	130	140	125	12.0	13.0	10.0	1,560	1,820	1,250
UT.....	55	40	70	18.5	19.0	13.0	1,018	760	910
VT.....	52	47	47	19.5	21.0	20.0	1,014	987	940
VA.....	90	87	86	14.0	16.0	16.0	1,260	1,392	1,376
WA.....	300	225	230	10.0	9.5	12.0	3,000	2,138	2,760
WI.....	50	40	40	24.0	25.0	25.0	1,200	1,000	1,000
WV.....	22	31	37	14.0	11.5	8.5	308	357	315
WY.....	760	730	1,460	14.0	14.0	6.9	10,640	10,220	10,005
WY.....	36	41	34	18.5	19.0	18.0	666	779	612
US.....	6,274	5,829	8,295	14.1	14.5	9.5	88,660	84,468	78,925

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 43.—Corn for grain: Marketing year average price and value, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per bushel			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	1.90	2.35	2.95	29,241	42,300	22,066
AZ.....	2.35	2.29	3.15	6,204	4,580	6,962
AR.....	1.72	1.73	2.30	14,586	12,932	13,800
CA.....	2.15	2.41	3.20	81,700	85,218	86,768
CO.....	1.60	1.95	2.55	159,040	208,553	326,400
DE.....	1.77	2.10	3.05	24,828	22,688	29,890
FL.....	1.95	1.85	3.00	19,344	13,986	11,310
GA.....	1.93	2.25	3.05	81,716	115,290	94,550
ID.....	1.95	2.20	3.10	15,210	14,300	20,150
IL.....	1.54	1.96	2.60	2,162,160	2,354,352	1,822,080
IN.....	1.53	2.08	2.65	1,063,962	1,314,144	1,099,750
IA.....	1.41	1.89	2.45	2,293,718	2,469,285	2,202,060
KS.....	1.60	1.84	2.60	290,496	260,544	373,750
KY.....	1.69	2.02	2.75	236,330	239,491	220,825
LA.....	1.75	1.90	2.85	78,155	42,494	33,844
MD.....	1.81	2.15	3.05	76,635	77,142	83,265
MI.....	1.43	1.97	2.50	367,868	364,943	280,000
MN.....	1.46	1.98	2.40	1,033,096	1,257,300	834,720
MS.....	2.00	2.30	3.10	27,000	34,040	27,900
MO.....	1.45	1.82	2.65	407,044	442,169	406,828
MT.....	2.10	2.20	3.15	3,140	3,465	6,930
NE.....	1.52	1.96	2.55	1,361,920	1,591,912	2,086,920
NJ.....	1.70	2.15	3.00	18,918	22,468	17,640
NM.....	1.85	2.04	2.90	15,263	15,494	24,723
NY.....	1.76	2.20	2.85	108,029	122,298	117,491
NC.....	1.78	2.15	2.90	167,035	148,350	226,548
ND.....	1.42	1.91	2.40	69,992	88,815	52,896
OH.....	1.50	1.95	2.60	714,240	706,680	663,000
OK.....	1.85	2.20	2.75	9,657	15,536	18,810
OR.....	1.80	2.20	3.05	8,640	8,712	9,156
PA.....	1.83	2.47	3.10	233,728	235,638	183,365
SC.....	1.80	2.10	3.05	38,088	61,425	59,262
SD.....	1.37	1.92	2.45	320,169	438,240	323,400
TN.....	1.65	1.95	2.75	94,017	102,921	106,398
TX.....	1.87	2.17	2.70	278,555	290,238	349,920
UT.....	2.16	2.40	3.20	4,860	6,720	8,730
VA.....	1.70	2.05	3.00	36,720	38,745	69,915
WA.....	1.80	2.15	3.00	36,720	29,240	40,800
WV.....	1.50	1.96	2.60	9,450	7,056	6,032
WI.....	1.46	2.01	2.60	534,068	664,104	339,690
WY.....	1.70	2.10	2.80	9,884	10,956	18,105
US.....	1.50	1.94	2.55	12,541,426	13,984,764	12,726,649

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.



Table 44.—Corn: Area, yield, and production in specified countries, 1986/87–1988/89<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North and Central America:</b>									
Canada.....	994	999	981	5.95	7.02	5.47	5,912	7,015	5,369
Costa Rica.....	75	55	55	1.47	1.40	1.45	110	77	80
Cuba.....	77	77	77	1.23	1.23	1.23	95	95	95
Dominican Republic.....	30	30	30	1.57	1.57	1.63	47	47	49
El Salvador.....	257	261	266	1.68	2.22	2.02	432	579	536
Guatemala.....	676	749	815	1.59	1.62	1.71	1,076	1,217	1,391
Haiti.....	175	200	175	.91	.95	.91	160	190	160
Honduras.....	285	327	350	1.30	1.31	1.44	370	428	505
Jamaica & Dep.....	3	3	3	1.67	1.67	1.67	5	5	5
Mexico.....	6,000	6,000	6,000	1.67	1.65	1.68	10,000	9,900	10,100
Nicaragua.....	156	191	200	1.50	1.45	1.33	234	277	265
Panama.....	90	94	70	1.22	.96	1.03	110	90	72
Trinidad and Tobago.....	3	3	3	1.67	1.67	1.67	5	5	5
United States.....	27,988	23,961	23,538	7.49	7.50	5.31	209,556	179,639	125,004
<b>Total.....</b>	<b>36,809</b>	<b>32,950</b>	<b>32,563</b>				<b>228,112</b>	<b>199,564</b>	<b>143,636</b>
<b>South America:</b>									
Argentina.....	2,900	2,600	1,700	3.19	3.46	2.76	9,250	9,000	4,700
Bolivia.....	294	329	310	1.55	1.65	1.45	457	543	450
Brazil.....	13,500	13,150	13,500	1.96	1.88	1.93	26,500	24,700	26,000
Chile.....	87	90	125	7.01	7.34	6.96	610	661	870
Colombia.....	578	664	762	1.44	1.37	1.47	830	908	1,118
Ecuador.....	169	146	131	1.60	1.60	1.74	270	234	228
Guyana.....	5	5	5	1.00	1.00	1.00	5	5	5
Paraguay.....	400	547	420	1.33	1.28	1.33	530	700	580
Peru.....	418	453	454	1.91	2.01	1.95	800	909	885
Uruguay.....	72	80	80	1.64	1.50	.88	118	120	70
Venezuela.....	650	685	640	1.77	1.81	1.86	1,150	1,240	1,190
<b>Total.....</b>	<b>19,073</b>	<b>18,749</b>	<b>18,127</b>				<b>40,520</b>	<b>39,020</b>	<b>36,076</b>
<b>Europe:</b>									
Belgium-Luxembourg.....	8	6	6	6.63	6.67	6.67	53	40	40
France.....	1,869	1,737	1,985	6.14	7.17	7.31	11,470	12,454	14,515
Germany, Fed. Rep. of.....	187	194	199	6.96	6.27	7.72	1,302	1,217	1,536
Greece.....	201	245	228	9.56	9.39	8.55	1,921	2,300	1,950
Italy.....	849	768	843	7.54	7.50	7.49	6,401	5,762	6,318
Portugal.....	258	220	225	2.43	2.82	2.86	628	620	643
Spain.....	524	540	556	6.53	6.53	6.40	3,424	3,526	3,557
<b>Total EC.....</b>	<b>3,896</b>	<b>3,710</b>	<b>4,042</b>				<b>25,199</b>	<b>25,919</b>	<b>28,559</b>
Austria.....	217	207	200	8.02	8.14	8.50	1,740	1,685	1,700
Sweden.....	0	3	3	0.00	4.00	4.00	0	12	12
Switzerland.....	22	20	21	7.91	7.30	7.14	174	146	150
<b>Total Western Europe.....</b>	<b>4,135</b>	<b>3,940</b>	<b>4,266</b>				<b>27,113</b>	<b>27,762</b>	<b>30,421</b>
Albania.....	90	90	95	4.00	4.00	4.21	360	360	400
Bulgaria.....	573	496	525	5.07	3.97	3.81	2,904	1,968	2,000
Czechoslovakia.....	217	220	215	4.57	5.27	4.42	992	1,160	950
German Dem. Rep.....	6	7	11	4.17	5.00	5.00	25	35	55
Hungary.....	1,118	1,144	1,103	6.49	6.32	5.46	7,261	7,234	6,027
Poland.....	22	32	30	5.14	4.56	6.67	113	146	200
Romania.....	3,200	3,100	3,100	4.69	3.39	3.23	15,000	10,500	10,000
Yugoslavia.....	2,369	2,219	2,269	5.29	3.99	3.39	12,526	8,863	7,697
<b>Total Eastern Europe.....</b>	<b>7,595</b>	<b>7,308</b>	<b>7,348</b>				<b>39,181</b>	<b>30,266</b>	<b>27,329</b>
<b>Total Europe.....</b>	<b>11,730</b>	<b>11,248</b>	<b>11,614</b>				<b>66,294</b>	<b>58,028</b>	<b>57,750</b>
<b>Soviet Union (Europe and Asia):</b>									
.....	4,223	4,573	4,431	2.96	3.24	3.62	12,479	14,808	16,030
<b>Africa:</b>									
Algeria.....	2	3	2	.50	1.67	.50	1	5	1
Angola.....	470	480	480	.53	.48	.57	250	230	275
Benin.....	500	390	500	.80	.72	.81	400	280	405
Botswana.....	25	25	50	2.00	.32	.40	5	8	20
Burkina.....	160	170	170	1.00	.76	1.06	160	130	180
Burundi.....	145	150	145	1.10	1.03	1.10	160	155	160
Cameroun.....	440	450	440	.98	.91	.97	430	410	425
Cape Verde.....	16	18	14	.75	1.17	.57	12	21	8
Central African Republic.....	85	130	132	.41	.49	.52	35	64	68
Chad.....	76	64	71	.66	.50	.77	50	32	55
Congo (Brazzaville).....	33	33	33	.64	.67	.64	21	22	21
Egypt.....	825	820	823	4.73	5.14	4.97	3,900	4,215	4,087

See footnotes at end of table.

Table 44.—Corn: Area, yield, and production in specified countries, 1986/87-1988/89<sup>1</sup>—  
Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/ 89 <sup>3</sup>	1986/87	1987/88	1988/ 89 <sup>3</sup>	1986/87	1987/88	1988/ 89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Africa—Continued</b>									
Ethiopia.....	810	825	825	2.16	1.76	2.00	1,750	1,450	1,650
Gambia, The.....	15	14	14	1.67	1.07	1.79	25	15	25
Ghana.....	450	495	500	1.10	1.06	1.33	495	525	665
Guinea.....	50	50	55	1.20	1.00	1.09	60	50	60
Ivory Coast.....	600	590	650	.70	.70	.85	420	415	550
Kenya.....	1,795	1,600	1,800	1.57	1.53	1.59	2,825	2,450	2,859
Lesotho.....	60	100	60	1.43	1.25	1.50	86	125	90
Madagascar.....	140	135	140	1.09	1.00	1.11	153	135	155
Malawi.....	1,193	1,182	1,180	1.08	1.04	1.14	1,294	1,225	1,350
Mali.....	160	125	195	1.25	1.20	1.41	200	150	275
Mauritania.....	2	1	1	1.50	1.00	1.00	3	1	1
Morocco.....	375	368	397	.82	.65	.89	307	240	355
Mozambique.....	450	500	475	.56	.40	.53	250	200	250
Nigeria.....	2,000	2,000	2,200	1.00	.95	1.00	2,000	1,900	2,200
Rwanda.....	75	75	75	1.44	1.49	1.33	108	112	100
Senegal.....	95	99	113	1.14	1.15	1.09	1,08	114	123
Sierra Leone.....	1	1	1	1.00	1.00	1.00	1	1	1
Somali.....	250	230	230	1.53	1.41	1.35	382	325	310
South Africa, Republic of.....	4,014	3,657	3,778	1.78	1.93	3.04	7,150	7,075	11,500
Swaziland.....	60	55	60	1.55	1.56	1.25	93	86	75
Tanzania, United Republic of.....	1,750	1,650	1,720	1.26	1.43	1.33	2,211	2,359	2,290
Togo.....	155	140	170	1.13	1.21	1.56	175	170	265
Tunisia.....	1	1	1	1.00	1.00	1.00	1	1	1
Uganda.....	325	325	325	1.43	1.48	1.42	465	480	460
Zaire.....	815	825	840	.88	.93	.94	720	765	790
Zambia.....	588	520	760	2.08	2.04	2.50	1,224	1,062	1,900
Zimbabwe.....	1,200	1,236	1,236	.92	1.80	1.56	1,100	2,229	1,928
<b>Total.....</b>	<b>20,206</b>	<b>19,532</b>	<b>20,661</b>				<b>29,030</b>	<b>29,232</b>	<b>35,933</b>
<b>Asia:</b>									
Afghanistan.....	480	480	480	1.71	1.67	1.73	820	800	830
Bhutan.....	15	52	50	1.00	1.63	1.70	15	85	85
Burma.....	179	160	163	1.59	1.40	1.59	285	224	259
Cambodia.....	35	35	35	1.14	1.14	1.14	40	40	40
China (Mainland).....	19,124	20,193	19,602	3.71	3.92	3.95	70,856	79,150	77,350
India.....	5,873	5,52	5,900	1.27	1.00	1.36	7,457	5,542	8,000
Indonesia.....	3,047	2,675	2,600	1.64	1.79	1.92	5,000	4,800	5,000
Iran.....	45	48	48	1.22	1.25	1.25	55	60	60
Iraq.....	27	31	50	1.96	1.97	2.00	53	61	100
Israel.....	3	10	8	2.67	2.50	2.75	8	25	22
Japan.....	1	1	1	2.00	2.00	2.00	2	2	2
Jordan.....	2	1	1	1.00	1.00	1.00	2	1	1
Korea, Democratic People's Rep.....	400	450	450	6.25	6.44	6.44	2,750	2,900	2,900
Korea, Republic of.....	24	26	21	4.71	4.88	5.05	113	127	106
Lebanon.....	2	2	2	1.00	1.00	1.00	2	2	2
Malaysia.....	15	17	18	1.73	1.76	1.78	26	30	32
Nepal.....	627	630	620	1.38	1.28	1.37	868	805	850
Pakistan.....	816	856	874	1.36	1.32	1.32	1,111	1,127	1,150
Philippines.....	3,563	3,750	3,800	1.18	1.15	1.16	4,016	4,380	4,425
Saudi Arabia.....	20	2	2	1.50	1.00	1.00	30	2	2
Syria.....	50	36	51	1.60	1.58	1.96	80	57	100
Taiwan.....	74	82	84	3.68	3.96	3.99	272	325	335
Thailand.....	1,815	1,754	1,600	2.37	1.56	2.69	4,309	2,736	4,300
Turkey.....	580	590	580	3.97	4.24	3.79	2,300	2,500	2,200
Vietnam.....	420	430	430	1.31	1.34	1.40	550	575	600
Yemen (Sanaa).....	35	35	40	1.29	1.29	1.13	45	45	45
<b>Total.....</b>	<b>37,312</b>	<b>37,888</b>	<b>37,510</b>				<b>101,965</b>	<b>106,351</b>	<b>108,796</b>
<b>Oceania:</b>									
Australia.....	60	51	60	2.68	3.57	3.70	158	182	222
New Zealand.....	25	20	18	10.16	9.75	9.17	254	195	165
<b>Total.....</b>	<b>85</b>	<b>71</b>	<b>78</b>				<b>412</b>	<b>377</b>	<b>387</b>
<b>World total.....</b>	<b>129,438</b>	<b>125,011</b>	<b>124,984</b>				<b>477,912</b>	<b>447,380</b>	<b>398,608</b>

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1986 and ends early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 45.—Corn: Price-support operations, United States, 1974-89

Marketing year	Support price				Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC at end of marketing year <sup>7</sup>
	Per bushel		Percentage of parity <sup>1</sup>		Quantity	Percentage of production		
	Loan	Target	Loan	Target				
	Dollars	Dollars	Percent	Percent	Million bushels	Percent	Million bushels	Million bushels
1974/75.....	1.10	1.38	40	51	77	1.7		
1975/76.....	1.10	1.38	35	45	148	2.6		
1976/77.....	1.50	1.57	43	46	276	4.4		
1977/78.....	2.00	2.00	58	58	1,159	18.0	12	13
1978/79.....	2.00	2.10	53	56	641	9.0	81	100
1979/80.....	2.10	2.20	50	52	557	7.0	160	256
1980/81.....	* 2.25-2.40	* 2.35-2.05	48-52	51-44	840	12.6	1	238
1981/82.....	* 2.40-2.55	2.40	49-52	49	1,978	24.1	172	302
1982/83.....	* 2.55-2.90	2.70	50-57	53	1,579	18.9	* 349	* 1,150
1983/84.....	2.65	2.86	51	55	162	3.9	9	201
1984/85.....	2.55	3.03	48	57	1,100	14.3	65	240
1985/86.....	2.55	3.03	50	60	3,171	35.7	580	546
1986/87.....	1.92	3.03	39	61	4,894	59.3	1,332	1,443
1987/88.....	1.82	3.03	37	61	4,186	59.2	787	803
1988/89.....	1.77	2.93	35	57	760	15.4	* 150	* 500
1989/90 <sup>8</sup> .....	1.65	2.84						

<sup>1</sup> Percentage of parity price as of the beginning of the marketing year. <sup>2</sup> Represents loans made, purchases, and purchase agreements entered into. Percentage of production is on a grain basis. <sup>3</sup> Acquisition of all loans forfeited during the marketing year including loans made in previous year. For 1979, acquired through direct purchases by CCC. <sup>4</sup> Smaller value is regular loan; larger value is loan rate for crops in the farmer-owned reserve. <sup>5</sup> Producers who exceed their NCA will be eligible for the Lower Target price. <sup>6</sup> Includes Payment-In-Kind purchases. <sup>7</sup> Marketing year for 1974/75 through 1985/86 began on October 1. Beginning September 1, 1986 marketing year begins September 1 and ends August 31. <sup>8</sup> Preliminary.  
Agricultural Stabilization and Conservation Service.

Table 46.—Corn: United States exports (domestic), by country of destination, 1986 and 1987

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1986	1987		1986	1987
	Metric tons	Metric tons		Metric tons	Metric tons
Corn:			Korea, Rep. of.....	4,079,635	4,416,799
Canada.....	216,983	158,645	Taiwan.....	3,183,856	4,169,694
Mexico.....	3,255,691	3,131,356	Japan.....	12,450,066	14,816,253
Venezuela.....			Other Asia.....	1,111,894	838,348
Peru.....	442,944	439,604	Total Asia.....	20,825,451	24,241,094
Brazil.....	1,162,366	0	Egypt.....	2,036,466	1,014,447
Chile.....	130,180	262,636	Nigeria.....		
Other Americas.....	917,812	1,048,643	Other Africa.....	1,209,591	1,511,759
Total Americas.....	6,125,976	5,040,884	Total Africa.....	3,246,057	2,526,206
EC.....	1,143,075	320,680	Other countries.....	2,538,080	3,260,114
Spain.....	436,659	1,832,027	World total.....	39,297,436	44,207,504
Portugal.....	369,577	604,154	Relief or charity <sup>2</sup> .....	48,585	220,979
Other Western Europe.....	58,607	74,280			
Total W. Europe.....	2,007,918	2,831,141			
E. Germany.....	356,747	494,997			
Poland.....	3,257	5,170			
Soviet Union.....	3,884,021	4,976,077			
Other E. Europe.....	309,929	831,821			
Total E. Europe and Soviet Union.....	4,553,954	6,308,065			

<sup>1</sup> Year beginning Oct. 1. <sup>2</sup> Included in world total by country of destination. n.a. not available.  
Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 47.—Oats: Area, yield, production, disposition, and value, United States, 1974-88

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Market- ing year average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1974.....	17,013	12,608	47.6	600,655	389,016	211,639	1.53	912,010
1975.....	16,434	13,088	49.0	638,960	395,164	243,796	1.45	923,568
1976.....	16,620	11,834	45.7	540,441	350,349	190,092	1.56	835,180
1977.....	17,732	13,485	55.8	752,774	457,385	295,389	1.09	823,368
1978.....	16,407	11,126	52.3	581,657	365,615	216,042	1.20	688,625
1979.....	13,960	9,682	54.4	526,748	( <sup>3</sup> )	( <sup>3</sup> )	1.33	718,894
1980.....	13,381	8,657	53.0	458,792	( <sup>3</sup> )	( <sup>3</sup> )	1.72	812,741
1981.....	13,632	9,407	54.2	509,529	( <sup>3</sup> )	( <sup>3</sup> )	1.88	954,474
1982.....	13,951	10,258	57.8	592,630	( <sup>3</sup> )	( <sup>3</sup> )	1.49	888,167
1983.....	20,289	9,072	52.6	476,961	( <sup>3</sup> )	( <sup>3</sup> )	1.62	794,520
1984.....	12,414	8,163	58.0	473,661	( <sup>3</sup> )	( <sup>3</sup> )	1.67	797,854
1985.....	13,255	8,177	63.7	520,800	( <sup>3</sup> )	( <sup>3</sup> )	1.23	644,765
1986.....	14,691	6,860	56.3	386,356	( <sup>3</sup> )	( <sup>3</sup> )	1.21	470,625
1987.....	17,959	6,925	54.0	374,000	( <sup>3</sup> )	( <sup>3</sup> )	1.56	605,955
1988 <sup>4</sup> .....	13,927	5,590	39.1	218,773	( <sup>3</sup> )	( <sup>3</sup> )	2.61	542,158

<sup>1</sup> Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.

<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979.

<sup>3</sup> Estimates discontinued.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 48.—Oats: Stocks on and off farms, United States, 1974-88

Year beginning October	On farms				Off farms <sup>2</sup>			
	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1974.....	497,668	380,064	233,313	119,303	155,720	122,512	89,865	65,307
1975.....	485,856	398,688	247,174	158,541	130,775	94,092	70,101	46,277
1976.....	417,306	337,132	210,649	128,692	112,445	73,477	47,459	35,603
1977.....	564,095	485,267	360,516	259,548	115,459	82,707	61,317	53,556
1978.....	530,881	465,769	317,307	229,267	115,008	81,016	64,291	50,703
1979.....	465,607	400,817	284,280	198,312	102,310	76,007	55,324	38,096
1980.....	395,400	329,395	211,841	148,927	89,342	61,720	44,393	28,027
1981.....	384,681	314,132	199,279	127,119	73,745	51,101	36,172	24,813
1982.....	462,795	378,834	259,043	181,178	95,287	74,462	59,972	38,650
1983.....	426,127	322,352	226,715	151,247	79,090	56,404	43,300	29,815
1984.....	397,368	300,332	211,676	146,450	76,540	57,727	44,676	33,428
1985.....	417,387	311,207	( <sup>3</sup> )	147,181	94,993	68,426	( <sup>3</sup> )	36,534
1986 <sup>4</sup> .....			( <sup>3</sup> )	103,300			( <sup>3</sup> )	29,446
1987.....			( <sup>3</sup> )	76,900			( <sup>3</sup> )	35,129
1988 <sup>4 5</sup> .....			( <sup>3</sup> )	59,930			( <sup>3</sup> )	38,404

<sup>1</sup> Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July 1.

<sup>2</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.

<sup>3</sup> Discontinued.

<sup>4</sup> Per program modification estimates available only for June 1.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 49.—Oats: Supply and disappearance, United States, 1974-88

Year beginning June	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held <sup>1</sup>	Government	Total
					Feed and residual	Food and seed	Total					
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1974.....	308	601	( <sup>2</sup> )	909	580	86	666	19	685	166	58	224
1975.....	224	639	1	864	559	86	645	14	659	180	25	205
1976.....	205	540	1	746	484	88	572	10	582	164	0	164
1977.....	164	753	2	919	509	85	594	12	606	313	0	313
1978.....	313	582	1	896	526	77	603	13	616	277	3	280
1979.....	280	527	1	808	492	76	568	4	572	233	3	236
1980.....	236	459	1	696	432	74	506	13	519	175	2	177
1981.....	177	510	2	689	453	77	530	7	537	151	1	152
1982.....	152	593	4	749	441	85	526	3	529	219	1	220
1983.....	220	477	30	727	466	78	544	2	546	179	2	181
1984.....	181	474	34	689	434	74	508	1	509	178	2	180
1985.....	180	521	28	728	460	83	542	2	545	182	2	184
1986.....	184	386	33	603	395	73	468	3	471	129	4	133
1987.....	133	374	46	553	361	79	440	1	441	108	4	112
1988 <sup>3</sup> .....	112	219	60	391	215	86	301	1	302	87	2	89

<sup>1</sup> Includes total Government loans (original and resale).<sup>2</sup> Less than 500,000 bushels.<sup>3</sup> Preliminary.

Economic Research Service.

Table 50.—Oats: Price-support operations, United States, 1974/75-1989/90

Year beginning July <sup>1</sup>	Support price				Put under support <sup>3</sup>		Acquired by CCC under support program <sup>4</sup>	Owned by CCC at end of marketing year
	Per bushel		Percentage of parity <sup>2</sup>		Quantity	Percentage of production		
	Loan	Target	Loan	Target			<i>Million bushels</i>	<i>Percent</i>
1974/75.....	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1974/75.....	0.54	.....	43	.....	3.9	0.6	.....	<sup>5</sup> 5.8
1975/76.....	.54	.....	38	.....	3.9	.6	.....	.....
1976/77.....	.72	.....	45	.....	4.6	.8	.....	.....
1977/78.....	1.03	.....	59	.....	82.9	11.0	.....	.....
1978/79.....	1.03	.....	54	.....	25.1	4.2	1.3	2.7
1979/80.....	1.08	.....	50	.....	12.0	2.2	.2	2.7
1980/81.....	<sup>6</sup> 1.16-1.23	.....	50-53	.....	6.3	1.4	.....	2.3
1981/82.....	<sup>6</sup> 1.24-1.31	.....	47-50	.....	9.7	1.9	.4	.7
1982/83.....	<sup>6</sup> 1.31-1.49	1.50	47-53	54	9.2	1.5	.7	.7
1983/84.....	1.36	1.60	46	54	3.6	.8	.8	1.4
1984/85.....	1.31	1.60	42	52	<sup>8</sup> 3.2	.7	.1	1.4
1985/86.....	1.31	1.60	43	53	5.6	1.1	1.1	1.9
1986/87.....	.99	1.60	35	56	7.8	2.0	1.9	3.5
1987/88.....	.94	1.60	34	58	2.9	.8	.5	3.5
1988/89.....	.90	1.55	32	55	<sup>7</sup> 1.0	.5	7.1	<sup>7</sup> 2.4
1989/90 <sup>7</sup> .....	.85	1.50	.....	.....	.....	.....	.....	.....

<sup>1</sup> Beginning June 1, 1976 (1975 crop year), marketing year begins June 1 and ends May 31. Marketing year for 1974/75 and 1975/76 began on July 1. Marketing year for 1976/77 and all subsequent years begins on June 1.<sup>2</sup> Percentage of the parity price as of the beginning of the marketing year.<sup>3</sup> Includes loans made, purchases, and purchase agreements entered into. Higher figure denotes reserve loan rate.<sup>4</sup> Acquisitions and loans forfeited during the marketing year including loans made in previous year.<sup>5</sup> Uncommitted CCC inventory.<sup>6</sup> Smaller value is regular loan; larger value is loan rate for crops in the farmer-owned reserve.<sup>7</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 51.—Oats: Area, yield, and production, by States, 1986–88

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	60	45	35	30	25	20	40.0	50.0	55.0	1,200	1,250	1,100
AR.....	43	22	40	33	18	35	67.0	70.0	90.0	2,211	1,260	3,150
CA.....	360	380	365	45	40	35	70.0	70.0	70.0	3,150	2,800	2,450
CO.....	90	100	110	40	50	60	55.0	54.0	50.0	2,200	2,700	3,000
GA.....	60	55	80	35	30	45	39.0	55.0	63.0	1,365	1,650	2,835
ID.....	60	65	70	30	36	45	69.0	75.0	68.0	2,070	2,700	3,060
IL.....	1,400	2,100	1,400	200	190	180	72.0	69.0	51.0	14,400	13,110	9,180
IN.....	400	600	350	90	95	75	71.0	67.0	40.0	6,390	6,365	3,000
IA.....	2,500	4,200	2,100	630	650	550	62.0	55.0	48.0	39,060	35,750	26,400
KS.....	280	240	225	200	155	150	54.0	42.0	39.0	10,800	6,510	5,850
KY.....	35	27	30	6	7	8	42.0	52.0	50.0	252	864	400
ME.....	47	42	42	40	38	39	65.0	75.0	75.0	2,600	2,850	2,925
MD.....	19	21	20	15	19	17	55.0	52.0	52.0	825	988	884
MI.....	330	350	300	270	300	200	63.0	57.0	30.0	17,010	17,100	6,000
MN.....	1,600	2,100	1,700	850	800	750	51.0	57.0	33.0	43,350	45,600	24,750
MO.....	190	180	120	100	90	40	50.0	38.0	36.0	5,000	3,420	1,440
MT.....	200	235	210	90	110	90	46.0	55.0	31.0	4,140	6,050	2,790
NE.....	760	810	650	360	360	320	59.0	49.0	38.0	21,240	17,640	12,160
NJ.....	6	6	6	4	5	4	54.0	52.0	50.0	216	260	200
NY.....	230	250	180	190	200	145	68.0	60.0	52.0	12,920	12,000	7,540
NC.....	100	105	100	55	60	55	40.0	59.0	65.0	2,200	3,540	3,575
ND.....	1,050	1,050	1,100	700	700	400	55.0	52.0	18.0	38,500	36,400	7,200
OH.....	260	350	300	160	250	200	76.0	70.0	45.0	12,160	17,500	9,000
OK.....	200	160	140	100	60	65	44.0	38.0	45.0	4,400	2,250	2,925
OR.....	120	90	95	80	65	65	95.0	80.0	100.0	7,600	5,200	6,500
PA.....	290	290	290	260	260	260	62.0	57.0	50.0	16,120	14,820	13,000
SC.....	55	60	85	28	33	48	36.0	51.0	61.0	1,008	1,683	2,928
SD.....	1,500	1,400	1,400	1,050	1,150	800	44.0	46.0	25.0	46,200	52,900	20,000
TX.....	1,000	1,100	1,100	200	220	200	42.0	45.0	45.0	8,400	9,900	9,000
UT.....	27	28	32	12	14	14	72.0	69.0	72.0	864	966	1,008
VA.....	40	35	35	10	7	12	46.0	47.0	53.0	460	329	636
WA.....	70	75	80	33	35	37	65.0	66.0	67.0	2,145	2,310	2,479
WV.....	17	13	10	10	8	6	50.0	50.0	48.0	500	400	288
WI.....	1,200	1,300	1,050	850	800	580	62.0	54.0	34.0	52,700	43,200	19,720
WY.....	92	75	77	54	45	40	50.0	49.0	35.0	2,700	2,205	1,400
US.....	14,691	17,959	13,927	6,860	6,925	5,590	56.3	54.0	39.1	386,356	374,000	218,773

<sup>1</sup> Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 52.—Oats and oatmeal: United States exports, by country of destination, 1986 and 1987<sup>1</sup>

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1986	1987		1986	1987
	Metric tons	Metric tons		Metric tons	Metric tons
<b>Oats:</b>			<b>Oatmeal:<sup>2</sup></b>		
Mexico.....	4,300	655	Mexico.....	54	25
Nicaragua.....	0	0	Central America.....	2,559	2,377
Panama.....	367	0	Peru.....	9	0
Colombia.....	0	76	Ecuador.....	1,019	880
Venezuela.....	1,986	0	Bolivia.....	634	4,482
E. Europe, Soviet Union, and Poland.....	0	0	Other Americas.....	570	581
Other countries.....	4,599	6,218	Other countries.....	128	373
World total <sup>3</sup> .....	11,252	6,949	World total.....	4,973	8,718

<sup>1</sup> Year beginning Oct. 1.<sup>2</sup> Transshipments through Canada have been included in data for countries of ultimate destination.<sup>3</sup> In grain equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 53.—Oats: Marketing year average price and value, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per bushel			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	1.15	1.40	1.95	1,380	1,750	2,145
AR.....	.96	1.63	2.00	2,123	2,054	6,300
CA.....	1.53	1.80	2.45	4,820	5,040	6,003
CO.....	1.40	1.60	2.30	3,080	4,320	6,900
GA.....	1.25	1.64	1.80	1,706	2,706	5,103
ID.....	1.30	1.45	2.00	2,691	3,915	6,120
IL.....	1.29	1.69	2.65	18,576	22,156	24,327
IN.....	1.11	1.58	2.85	7,093	10,057	8,550
IA.....	1.17	1.68	2.90	45,700	60,060	76,560
KS.....	.95	1.60	2.50	10,260	10,416	14,625
KY.....	1.30	1.80	2.50	328	655	1,000
ME.....	.80	1.10	1.70	2,080	3,135	4,973
MD.....	1.07	1.30	2.30	883	1,284	2,033
MI.....	1.19	1.59	2.65	20,242	27,189	15,900
MN.....	1.28	1.62	2.70	55,488	73,872	66,825
MO.....	1.05	1.55	3.25	5,250	5,301	4,680
MT.....	1.37	1.49	2.30	5,672	9,015	6,417
NE.....	1.13	1.62	2.45	24,001	28,577	29,792
NJ.....	1.55	1.70	2.30	335	442	460
NY.....	1.15	1.62	2.20	14,858	19,440	16,588
NC.....	1.30	1.40	1.60	2,860	4,956	5,720
ND.....	1.20	1.57	2.40	46,200	57,148	17,280
OH.....	1.15	1.53	2.65	13,984	26,775	23,850
OK.....	1.40	1.75	2.15	6,160	3,990	6,289
OR.....	1.35	1.58	2.15	10,260	8,216	13,975
PA.....	1.37	1.83	2.40	22,084	27,121	31,200
SC.....	1.85	1.45	1.80	1,361	2,440	5,270
SD.....	1.28	1.70	2.55	59,136	89,930	51,000
TX.....	1.65	2.00	2.30	13,860	19,800	20,700
UT.....	1.55	1.70	2.60	1,339	1,642	2,621
VA.....	1.65	1.25	1.75	759	411	1,113
WA.....	1.10	1.40	2.10	2,360	3,234	5,206
WV.....	1.00	1.45	2.60	500	580	749
WI.....	1.13	1.50	2.45	59,551	64,800	48,314
WY.....	1.35	1.60	2.55	3,645	3,528	3,570
US.....	1.21	1.56	2.61	470,625	605,955	542,158

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 54

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1986 and ends early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 54.—Oats: Area, yield, and production in specified countries, 1986/87-1988/89<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada.....	1,287	1,263	1,424	2.53	2.37	2.10	3,251	2,995	2,993
Mexico.....	100	100	100	1.00	1.00	1.00	100	100	100
United States.....	2,776	2,802	2,262	2.02	1.94	1.40	5,608	5,429	3,175
Total.....	4,163	4,165	3,786				8,959	8,524	6,268
<b>South America:</b>									
Argentina.....	400	500	400	1.00	1.30	1.10	400	650	440
Brazil.....	130	140	119	1.03	1.26	1.12	134	176	133
Chile.....	55	61	69	2.31	2.57	2.42	127	157	167
Colombia.....	2	3	3	1.50	1.33	1.33	3	4	4
Ecuador.....	1	1	1	1.00	1.00	1.00	1	1	1
Uruguay.....	42	58	78	.64	1.00	.74	27	58	58
Total.....	630	763	670				692	1,046	803
<b>Europe:</b>									
Belgium-Luxembourg.....	21	21	21	3.86	3.90	4.52	81	82	95
Denmark.....	27	18	40	4.11	5.22	5.05	111	94	202
France.....	308	267	255	3.27	3.91	3.86	1,007	1,045	985
Germany, Fed. Rep. of.....	605	559	576	4.44	4.30	4.23	2,687	2,406	2,434
Greece.....	42	40	40	1.88	1.55	1.83	79	62	73
Ireland.....	21	20	20	4.62	5.00	4.90	97	100	98
Italy.....	184	176	171	2.16	2.05	2.23	397	361	382
Netherlands.....	7	9	13	5.71	5.22	4.85	40	47	63
Portugal.....	194	197	168	.79	.79	.45	153	155	76
Spain.....	394	353	335	1.10	1.42	1.60	433	502	537
United Kingdom.....	95	99	120	5.32	4.55	4.50	505	450	540
Total EC.....	1,898	1,759	1,759				5,590	5,304	5,485
Austria.....	73	69	69	3.70	3.57	3.96	270	246	273
Finland.....	403	368	388	2.92	2.21	2.21	1,175	813	857
Norway.....	127	124	124	3.15	3.87	2.98	400	480	370
Sweden.....	456	397	424	3.26	3.63	3.14	1,486	1,440	1,330
Switzerland.....	7	8	7	4.29	4.75	5.29	30	38	37
Total Western Europe.....	2,964	2,725	2,771				8,951	8,321	8,352
Albania.....	20	20	20	1.50	1.50	1.50	30	30	30
Bulgaria.....	25	25	25	1.40	1.20	1.40	35	30	35
Czechoslovakia.....	109	120	115	3.76	3.33	3.13	410	400	360
German Dem. Rep.....	163	149	156	4.09	4.28	3.30	666	637	515
Hungary.....	41	40	42	3.07	2.48	3.19	126	99	134
Poland.....	924	856	850	2.69	2.84	2.62	2,486	2,428	2,230
Romania.....	70	70	75	2.14	1.43	2.13	150	100	160
Yugoslavia.....	152	140	135	1.71	1.66	1.87	260	232	253
Total Eastern Europe.....	1,504	1,420	1,418				4,163	3,956	3,717
Total Europe.....	4,468	4,145	4,189				13,114	12,277	12,069
<b>Soviet Union (Europe and Asia)</b> .....	13,173	11,790	10,946	1.66	1.57	1.40	21,929	18,495	15,287
<b>Africa:</b>									
Algeria.....	137	150	140	.65	.50	.57	89	75	80
Morocco.....	55	47	54	.98	.70	.78	54	33	42
South Africa, Rep. of.....	460	450	440	.19	.13	.15	86	60	65
Total.....	652	647	634				229	168	187
<b>Asia:</b>									
China (Mainland).....	574	582	562	1.04	1.10	1.19	599	642	670
Japan.....	3	5	5	2.00	2.00	2.00	6	10	10
Turkey.....	158	157	155	1.90	1.97	1.94	300	310	300
Total.....	735	744	722				905	962	980
<b>Oceania:</b>									
Australia.....	1,140	1,316	1,404	1.39	1.32	1.41	1,584	1,738	1,983
New Zealand.....	16	20	21	3.69	3.90	3.90	59	78	82
Total.....	1,156	1,336	1,425				1,643	1,816	2,065
<b>World total</b> .....	24,977	23,590	22,372				47,471	43,288	37,659

See footnotes on page 41.



Table 55.—Barley: Area, yield, production, disposition, and value, United States, 1974-88

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1974	8,713	7,930	37.7	298,669	81,564	217,105	2.81	821,639
1975	9,373	8,617	44.0	379,162	101,667	277,495	2.42	905,923
1976	9,301	8,439	45.4	383,007	101,454	281,553	2.25	852,256
1977	10,778	9,728	44.0	427,784	115,948	311,836	1.78	760,043
1978	9,989	9,248	49.2	454,759	120,321	334,438	1.92	871,070
1979	8,116	7,527	50.9	383,201	( <sup>3</sup> )	( <sup>3</sup> )	2.27	872,308
1980	8,320	7,260	49.7	361,135	( <sup>3</sup> )	( <sup>3</sup> )	2.79	1,016,842
1981	9,618	9,038	52.4	473,512	( <sup>3</sup> )	( <sup>3</sup> )	2.48	1,154,497
1982	9,549	9,013	57.2	515,985	( <sup>3</sup> )	( <sup>3</sup> )	2.18	1,143,209
1983	10,422	9,731	52.3	508,925	( <sup>3</sup> )	( <sup>3</sup> )	2.47	1,268,906
1984	11,957	11,281	53.4	599,204	( <sup>3</sup> )	( <sup>3</sup> )	2.29	1,356,316
1985	13,156	11,603	51.0	591,383	( <sup>3</sup> )	( <sup>3</sup> )	1.98	1,132,537
1986	13,059	12,007	50.8	610,522	( <sup>3</sup> )	( <sup>3</sup> )	1.61	993,905
1987	11,046	10,057	52.7	529,530	( <sup>3</sup> )	( <sup>3</sup> )	1.81	982,285
1988 <sup>4</sup>	9,876	7,535	38.6	290,505	( <sup>3</sup> )	( <sup>3</sup> )	2.79	787,710

<sup>1</sup> Barley sown for all purposes, including barley sown in the preceding fall.  
<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979.  
<sup>3</sup> Estimates discontinued.  
<sup>4</sup> Preliminary.  
 National Agricultural Statistics Service.

Table 56.—Barley: Stocks on and off farms, United States, 1974-88

Year beginning October	On farms				Off farms <sup>2</sup>			
	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1974	176,641	125,032	62,975	29,582	126,165	102,728	71,227	45,642
1975	214,939	161,797	98,652	63,693	126,963	113,508	86,360	64,666
1976	213,370	157,605	92,152	52,959	152,354	117,511	97,316	73,448
1977	270,105	221,954	150,128	105,682	139,334	110,266	89,043	67,377
1978	342,521	277,020	198,700	149,428	129,612	114,165	97,753	78,615
1979	311,704	246,489	166,089	112,430	150,319	119,210	96,271	79,701
1980	249,915	185,787	113,503	74,489	142,735	117,842	89,994	62,896
1981	298,703	227,437	144,947	92,110	148,001	101,895	79,394	56,687
1982	348,598	289,864	195,732	136,771	147,507	124,225	98,198	79,392
1983	343,884	244,915	169,362	117,024	171,630	122,682	99,563	72,395
1984	402,124	307,300	216,721	163,361	171,479	129,623	103,147	84,033
1985	462,169	365,571	( <sup>3</sup> )	199,288	193,302	165,360	( <sup>3</sup> )	125,554
1986 <sup>3</sup>				193,945				141,673
1987 <sup>3</sup>				193,103				128,107
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1988 <sup>4</sup>	239,260	182,800	123,435	84,559	211,468	189,648	157,334	112,221

<sup>1</sup> Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July.  
<sup>2</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.  
<sup>3</sup> Per program modification estimates not available for Apr., Oct., and/or Jan.  
<sup>4</sup> Preliminary.  
 National Agricultural Statistics Service.

Table 57.—Barley: Supply and disappearance, United States, 1974-88

Year beginning June	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Private-ly held <sup>1</sup>	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1974 .....	146	299	20	465	184	147	331	42	373	92	0	92
1975 .....	92	379	16	487	188	147	335	24	359	128	0	128
1976 .....	128	383	11	522	174	156	330	66	396	126	0	126
1977 .....	126	428	9	563	178	155	333	57	390	173	0	173
1978 .....	173	455	11	639	217	167	384	26	410	226	2	228
1979 .....	228	383	12	623	204	172	376	55	431	189	3	192
1980 .....	192	361	10	563	174	175	349	77	426	134	3	137
1981 .....	137	474	10	621	198	175	373	100	473	145	3	148
1982 .....	148	516	11	675	240	171	411	47	468	211	6	217
1983 .....	217	509	7	733	283	169	452	92	544	177	12	189
1984 .....	189	599	10	798	304	170	474	77	551	232	15	247
1985 .....	247	591	9	848	333	169	501	22	523	268	57	325
1986 .....	325	611	9	944	298	174	472	137	608	261	76	336
1987 .....	336	530	14	879	259	174	433	125	558	271	50	321
1988 <sup>2</sup> .....	321	291	15	627	240	175	415	50	465	132	30	162

<sup>1</sup> Includes Government loans (original and resale).<sup>2</sup> Preliminary.

Economic Research Service.

Table 58.—Barley: Area, yield, and production, by States, 1986–88

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AZ.....	32	25	15	29	22	13	100.0	99.0	104.0	2,900	2,178	1,352
CA.....	470	400	360	400	330	280	59.0	54.0	61.0	23,600	17,820	17,080
CO.....	390	230	185	350	220	175	60.0	66.0	67.0	21,000	14,520	11,725
DE.....	55	55	35	50	52	30	61.0	62.0	72.0	3,050	3,224	2,160
ID.....	1,140	840	880	1,110	820	850	65.0	75.0	60.0	72,150	61,500	51,000
KS.....	350	140	100	290	120	85	36.0	40.0	35.0	10,440	4,800	2,975
KY.....	25	15	16	17	11	14	31.0	67.0	77.0	527	737	1,078
MD.....	90	100	80	82	89	69	60.0	67.0	69.0	4,920	5,963	4,761
MI.....	60	55	50	55	50	38	59.0	55.0	32.0	3,245	2,750	1,216
MN.....	1,200	1,200	1,250	1,000	870	850	55.0	57.0	32.0	55,000	49,590	27,200
MT.....	2,400	2,300	1,800	2,180	2,100	1,250	39.0	45.0	24.0	85,020	94,500	30,000
NE.....	150	90	70	135	75	60	40.0	36.0	32.0	5,400	2,700	1,920
NV.....	36	36	34	33	33	31	90.0	90.0	80.0	2,970	2,970	2,480
NJ.....	29	20	16	20	15	9	62.0	60.0	67.0	1,240	900	603
NM.....	22	15	11	16	11	7	65.0	70.0	65.0	1,040	770	455
NC.....	53	46	48	45	40	42	36.0	62.0	65.0	1,620	2,480	2,730
ND.....	3,600	3,000	2,600	3,450	2,900	2,000	51.0	48.0	21.0	175,950	189,200	42,000
OK.....	50	35	25	35	25	20	36.0	30.0	48.0	1,260	750	960
OR.....	375	250	225	365	220	200	57.0	70.0	74.0	20,805	15,400	14,800
PA.....	70	65	60	65	60	55	60.0	57.0	66.0	3,900	3,420	3,630
SC.....	24	15	17	21	13	14	28.0	49.0	60.0	588	637	840
SD.....	930	870	700	855	850	450	42.0	40.0	18.0	35,910	34,000	8,100
TX.....	70	65	35	35	30	18	50.0	40.0	30.0	1,750	1,200	540
UT.....	165	152	139	152	142	125	76.0	83.0	77.0	11,552	11,786	9,625
VA.....	90	100	95	72	78	75	55.0	66.0	71.0	3,960	5,148	5,325
WA.....	920	660	580	900	645	560	50.0	55.0	62.0	45,000	35,475	34,720
WI.....	95	110	100	85	88	75	57.0	54.0	34.0	4,845	4,752	2,550
WY.....	168	157	150	160	148	140	68.0	70.0	62.0	10,880	10,360	8,680
US.....	13,059	11,046	9,676	12,007	10,057	7,535	50.8	52.7	38.6	610,522	529,530	290,505

<sup>1</sup> Relates to the total area of barley sown for all purposes, including barley sown in the preceding fall.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 60

<sup>1</sup> Marketing year for 1974/75 and 1975/76 began July 1. Marketing year for 1976/77 and all subsequent years begins on June 1.

<sup>2</sup> Percentage of parity price as of the beginning of the marketing year.

<sup>3</sup> Represents loans made, purchases, and purchase agreements entered into.

<sup>4</sup> Acquisition of all loans forfeited during the marketing year including loans made in previous years.

<sup>5</sup> Uncommitted CCC inventory.

<sup>6</sup> Smaller value is regular loan; larger value is loan rate for crops in the farmers-owned reserves.

<sup>7</sup> Producers who exceed their NCA will be eligible for the lower target price.

<sup>8</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 59.—Barley: Marketing year average price and value, by States, crop of 1986, 1987, and 1988

State	Marketing year average price per bushel			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AZ.....	2.47	2.19	2.35	7,163	4,770	3,177
CA.....	2.06	2.15	2.70	48,616	38,313	46,116
CO.....	2.15	2.56	3.05	45,150	37,171	35,761
DE.....	1.35	1.20	1.80	4,118	3,869	3,888
ID.....	2.08	2.23	2.75	150,072	137,145	140,250
KS.....	1.20	1.45	2.40	12,528	6,960	7,140
KY.....	1.35	1.20	1.85	711	884	1,994
MD.....	1.35	1.24	1.90	6,642	7,394	9,046
MI.....	1.60	1.80	3.70	5,192	4,950	4,499
MN.....	1.47	1.74	2.80	80,850	86,287	76,160
MT.....	1.60	1.82	2.95	136,032	171,990	88,500
NE.....	1.20	1.20	1.90	6,480	3,240	3,648
NV.....	1.85	2.00	2.70	5,495	5,940	6,696
NJ.....	1.20	1.15	2.10	1,488	1,035	1,266
NM.....	2.05	1.69	2.40	2,132	1,301	1,092
NC.....	1.50	1.55	1.70	2,430	3,844	4,641
ND.....	1.37	1.70	3.10	241,052	236,640	130,200
OK.....	1.70	1.55	2.10	2,142	1,163	2,016
OR.....	1.70	1.93	2.50	35,369	27,722	37,000
PA.....	1.35	1.45	2.40	5,265	4,959	8,712
SC.....	1.80	1.60	1.95	1,058	1,019	1,638
SD.....	1.38	1.69	2.65	49,556	57,660	21,465
TX.....	1.86	1.65	2.00	3,255	1,980	1,080
UT.....	1.85	1.84	2.65	21,371	21,686	25,506
VA.....	1.50	1.35	1.90	5,940	6,950	10,118
WA.....	1.67	1.87	2.45	75,150	66,338	85,064
WI.....	1.24	1.55	2.30	6,008	7,366	5,865
WY.....	3.00	3.08	2.90	32,640	31,909	25,172
US.....	1.61	1.81	2.79	993,905	982,285	787,710

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 60.—Barley: Price-support operations, United States, 1974/75-1989/90

Marketing year	Support price				Put under support <sup>3</sup>			Owned by CCC at end of marketing year
	Per bushel		Percentage of parity <sup>2</sup>		Quantity	Percentage of production	Acquired by CCC under support program <sup>4</sup>	
	Loan	Target	Loan	Target				
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	
1974/75.....	0.90	1.13	43	54	6.9	2.3		
1975/76.....	.90	1.13	36	45	9.2	2.5		
1976/77.....	1.22	1.28	44	46	19.2	5.2		
1977/78.....	1.63	2.15	54	71	86.7	20.6		
1978/79.....	1.63	2.25	50	69	67.6	15.1	2.5	2.5
1979/80.....	1.71	2.40	44	61	30.0	7.9	.8	3.2
1980/81.....	* 1.83-1.95	† 2.55-2.29	45-48	62-56	† 31.2	8.8	.1	3.4
1981/82.....	* 1.95-2.07	2.60	43-46	57	60.5	† 12.6	3.7	3.3
1982/83.....	* 2.08-2.37	2.60	44-50	55	92.6	17.9	4.4	6.0
1983/84.....	2.16	2.60	44	53	32.4	6.4	5.6	11.3
1984/85.....	2.08	2.60	42	52	57.0	9.5	3.4	14.6
1985/86.....	2.08	2.60	44	54	159.3	26.9	47.8	57.4
1986/87.....	1.56	2.60	35	58	164.7	27.0	60.7	75.5
1987/88.....	1.49	2.60	34	59	122.7	23.2	25.5	50.1
1988/89.....	1.44	2.51	32	56	* 22.0	7.6	* 10.3	30.4
1989/90.....	1.34	2.43						

See footnotes on page 45.

**Table 61.—Barley and malt: United States exports, by country of destination, 1986 and 1987 <sup>1</sup>**

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1986	1987		1986	1987
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Barley: <sup>2</sup>			Malt: <sup>4</sup>		
Mexico.....	1,140	1,851	Canada.....	18	1,186
Germany, Fed. Rep. of.....	0	0	Mexico.....	0	0
Italy.....	0	0	Costa Rica.....	6	0
Netherlands.....	0	0	Dominican Republic.....	860	0
Belgium-Luxembourg.....	0	0	Jamaica.....	0	0
Other Europe.....	111,368	12,245	Guyana.....	0	0
Japan.....	0	67,998	Peru.....	0	0
Other countries.....	2,825,432	2,728,332	Venezuela.....	1	0
World total <sup>3</sup> .....	2,937,940	2,810,432	Other Americas.....	215	449
			Japan.....	0	0
			Other countries.....	14,645	43,606
			World total.....	15,738	45,191

<sup>1</sup> Year beginning Oct. 1.

<sup>2</sup> U.S. Barley and U.S. Barley, N.S.P.F.

<sup>3</sup> Transshipments through Canada have not been included in data for countries of ultimate destination.

<sup>4</sup> In grain equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 62.—Barley: Area, yield, and production in specified countries, 1986/87-1988/89 <sup>1</sup>**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:									
Canada.....	4,829	5,004	4,142	3.03	2.79	2.44	14,634	13,957	10,125
Mexico.....	260	300	270	1.85	1.70	1.72	480	510	465
United States.....	4,859	4,070	3,049	2.74	2.83	2.07	13,293	11,529	6,325
Total.....	9,948	9,374	7,461				28,407	25,996	16,915
South America:									
Argentina.....	94	130	125	1.49	2.15	1.76	140	280	220
Bolivia.....	95	83	95	.82	.81	.76	78	67	72
Brazil.....	103	102	104	1.80	1.91	1.19	185	195	124
Chile.....	16	24	28	3.00	3.42	3.39	48	82	95
Colombia.....	30	47	56	2.20	1.96	1.91	66	92	107
Ecuador.....	32	28	28	1.28	1.07	1.07	41	30	30
Peru.....	99	107	115	1.15	1.07	1.11	114	114	128
Uruguay.....	50	61	78	1.24	2.03	1.67	62	124	130
Total.....	519	582	629				734	984	906
Europe:									
Belgium-Luxembourg.....	147	140	137	5.98	5.27	5.85	879	738	802
Denmark.....	1,078	943	1,154	4.76	4.55	4.70	5,134	4,292	5,419
France.....	2,075	1,967	1,890	4.80	5.35	5.25	9,950	10,528	9,915
Germany, Federal Republic of.....	1,947	1,849	1,836	4.82	4.64	5.22	9,377	8,571	9,587
Greece.....	284	267	280	2.60	2.34	2.62	739	626	733
Ireland.....	283	276	265	4.73	5.19	5.17	1,338	1,433	1,370
Italy.....	465	445	453	3.32	3.84	3.50	2,543	1,708	1,586
Netherlands.....	42	50	63	6.24	5.24	4.94	262	262	311
Portugal.....	87	84	73	1.03	1.19	.78	90	100	57
Spain.....	4,340	4,352	4,175	1.71	2.13	2.89	7,431	9,282	12,070
United Kingdom.....	1,917	1,831	1,913	5.22	5.04	4.59	10,015	9,230	8,775
Total EC.....	12,665	12,204	12,239				46,758	46,770	50,625
Austria.....	332	291	292	3.89	4.05	4.68	1,293	1,179	1,366
Finland.....	589	583	682	2.91	2.24	2.36	1,714	1,306	1,612
Malta & Gozo.....	1	1	1	2.00	2.00	2.00	2	2	2
Norway.....	174	176	161	3.13	2.98	3.04	545	525	490
Sweden.....	638	545	537	3.65	3.50	3.50	2,327	1,907	1,879
Switzerland.....	55	51	51	4.18	4.69	4.73	230	239	.241
Total Western Europe.....	14,454	13,851	13,963				52,869	51,928	56,215

See footnotes at end of table.

Table 62.—Barley: Area, yield, and production in specified countries, 1986/87-1988/89 <sup>1</sup>—Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>2</sup>	1986/87	1987/88	1988/89 <sup>2</sup>	1986/87	1987/88	1988/89 <sup>2</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Europe—Continued</b>									
Albania.....	13	13	13	2.31	2.31	2.69	30	30	35
Bulgaria.....	318	295	300	3.58	3.72	4.00	1,137	1,096	1,200
Czechoslovakia.....	821	840	820	4.30	4.23	4.15	3,530	3,551	3,400
German Democratic Republic.....	895	891	879	4.80	4.71	4.33	4,293	4,198	3,810
Hungary.....	253	205	264	3.39	3.87	4.42	857	794	1,168
Poland.....	1,335	1,286	1,250	3.30	3.37	3.04	4,412	4,335	3,800
Romania.....	575	560	600	3.39	3.21	3.67	1,950	1,800	2,200
Yugoslavia.....	267	213	222	2.63	2.37	2.77	703	504	616
<b>Total Eastern Europe.....</b>	<b>4,477</b>	<b>4,303</b>	<b>4,348</b>				<b>16,912</b>	<b>16,308</b>	<b>16,229</b>
<b>Total Europe.....</b>	<b>18,931</b>	<b>18,154</b>	<b>18,311</b>				<b>69,781</b>	<b>68,236</b>	<b>72,444</b>
<b>Soviet Union (Europe and Asia).....</b>	<b>29,964</b>	<b>30,654</b>	<b>29,732</b>	<b>1.80</b>	<b>1.91</b>	<b>1.50</b>	<b>53,889</b>	<b>58,409</b>	<b>44,463</b>
<b>Africa:</b>									
Algeria.....	1,212	1,089	1,020	.89	.75	.55	1,083	820	560
Egypt.....	55	55	37	3.18	3.18	2.95	175	175	109
Ethiopia.....	850	850	850	1.29	1.06	1.29	1,100	900	1,100
Kenya.....	85	85	85	1.06	1.00	1.06	90	85	90
Libya.....	290	300	280	.31	.33	.27	90	100	75
Morocco.....	2,472	2,315	2,552	1.44	.67	1.37	3,563	1,543	3,501
South Africa, Republic of.....	91	100	80	2.19	2.80	1.71	199	280	137
Tunisia.....	241	639	151	.55	.84	.42	132	537	63
Zimbabwe.....	5	5	5	6.00	6.00	6.00	30	30	30
<b>Total.....</b>	<b>5,301</b>	<b>5,438</b>	<b>5,060</b>				<b>6,462</b>	<b>4,470</b>	<b>5,655</b>
<b>Asia:</b>									
Afghanistan.....	300	325	320	1.00	1.00	1.00	300	325	320
Bangladesh.....	15	7	7	.67	.71	.71	10	5	5
Bhutan.....	10	4	10	1.00	1.00	1.00	10	4	10
China (Mainland).....	3,358	3,403	3,284	1.68	1.72	1.92	5,632	6,041	6,300
Cyprus.....	38	43	43	1.55	1.77	1.77	59	76	76
India.....	1,369	1,225	1,148	1.43	1.36	1.39	1,962	1,669	1,593
Iran.....	1,400	1,500	1,800	1.00	1.33	1.11	1,400	2,000	2,000
Iraq.....	1,457	972	1,400	.72	.76	1.00	1,046	743	1,400
Israel.....	17	20	20	.65	1.05	1.05	11	21	21
Japan.....	107	111	114	3.21	3.18	3.50	344	353	399
Jordan.....	18	60	67	.83	.68	.60	15	41	40
Korea, Republic of.....	190	206	195	2.38	2.50	2.88	453	516	561
Lebanon.....	4	4	4	1.25	1.25	1.25	5	5	5
Nepal.....	29	29	29	.86	.86	.86	25	25	25
Pakistan.....	193	182	145	.78	.74	.77	150	134	112
Saudi Arabia.....	7	40	70	1.71	2.00	2.66	12	80	186
Syria.....	1,535	1,570	1,800	.78	.37	1.11	1,200	576	2,000
Turkey.....	3,200	3,200	3,300	1.97	1.88	2.12	6,300	6,000	7,000
Yemen (Sanaa).....	52	52	50	1.04	1.04	1.00	54	54	50
<b>Total.....</b>	<b>13,299</b>	<b>12,953</b>	<b>13,806</b>				<b>18,988</b>	<b>18,668</b>	<b>22,103</b>
<b>Oceania:</b>									
Australia.....	2,313	2,380	2,435	1.56	1.46	1.40	3,611	3,486	3,412
New Zealand.....	139	98	86	4.00	4.10	4.40	556	402	378
<b>Total.....</b>	<b>2,452</b>	<b>2,478</b>	<b>2,521</b>				<b>4,167</b>	<b>3,888</b>	<b>3,790</b>
<b>World total.....</b>	<b>80,414</b>	<b>79,633</b>	<b>77,520</b>				<b>182,428</b>	<b>180,651</b>	<b>166,286</b>

<sup>1</sup> Years shown refer to year of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates of the Southern Hemisphere harvests, which begin late in 1986 and end early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

**Table 63.—Grains and grain products: Total and per capita civilian consumption as food, United States, 1974–88**

Calendar year	Wheat			Rye		Rice (milled)		Corn					Oats		Barley		
	Total consumed <sup>1</sup>	Per capita consumption of food products		Total consumed <sup>1</sup>	Per capita consumption of rye flour	Total consumed <sup>1</sup>	Per capita consumption	Total consumed <sup>3</sup>	Per capita consumption of food products					Total consumed <sup>4</sup>	Per capita consumption of oat food products	Total consumed <sup>5</sup>	Per capita consumption of food products <sup>6</sup>
		Flour <sup>2</sup>	Cereal						Meal	Cereal	Syrup	Sugar	Starch				
	<i>Million bushels</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Million cwt.</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>
1974	542	111	2.6	5.9	1.5	15.9	7.5	295	5.8	2.5	25.6	5.3	2.1	45	4.8	4	.7
1975	566	114	2.8	4.7	1.2	16.1	7.6	321	6.0	2.6	28.8	5.4	2.1	44	4.7	5	.7
1976	593	119	3.0	3.9	1.0	15.3	7.1	333	5.8	2.6	31.9	5.4	2.2	43	4.6	5	.8
1977	580	115	3.1	3.6	.9	16.2	7.5	355	5.7	2.7	35.3	4.5	2.3	42	4.4	6	.8
1978	583	115	3.1	3.7	.9	12.5	5.7	398	5.9	2.8	39.2	4.1	2.5	42	4.3	6	.9
1979	601	117	3.1	3.5	.9	20.8	9.4	527	6.2	2.9	43.3	3.9	2.7	41	4.2	6	1.0
1980	604	117	3.1	3.5	.9	21.1	9.4	591	6.3	3.0	48.9	3.8	2.4	41	4.1	7	1.0
1981	608	116	3.1	3.5	.9	24.9	11.0	659	6.2	3.0	55.0	3.8	2.2	41	4.1	7	1.0
1982	609	117	3.1	3.3	.8	27.1	11.8	731	6.6	3.0	60.0	3.8	2.0	41	4.1	7	1.0
1983	619	118	3.1	3.5	.8	22.6	9.8	787	6.6	3.1	65.6	3.8	2.0	41	4.1	7	1.0
1984	644	118	3.1	3.5	.8	20.1	8.6	839	6.3	3.1	69.0	3.8	2.1	41	4.0	7	1.1
1985	653	123	3.1	3.2	.7	21.9	9.3	879	6.2	3.2	74.4	3.8	2.1	42	4.1	7	1.1
1986	688	123	3.2	3.2	.7	28.0	11.6	906	6.1	3.2	77.0	3.8	2.2	44	4.2	8	1.1
1987	717	127	3.3	3.2	.7	32.4	13.4	917	6.7	3.3	78.8	3.8	1.9	47	4.4	8	1.1
1988 <sup>7</sup>	727	128	3.4	3.2	.7	34.9	14.3	959	6.7	3.4	82.2	3.8	1.8	58	5.4	8	1.1

<sup>1</sup> Excludes quantities used in alcoholic beverages.

<sup>2</sup> Includes white, whole wheat, and semolina flour.

<sup>3</sup> Includes an allowance for the quantity used as hominy and grits.

<sup>4</sup> Oats used in oatmeal, prepared breakfast foods, infant foods, and food products.

<sup>5</sup> Malt for food, breakfast food uses, pearl barley, and flour.

<sup>6</sup> Malt equivalent of barley food products.

<sup>7</sup> Preliminary. Estimates of corn syrup, sugar, and starch are unofficial estimates; industry data were not reported after April 1968.

Economic Research Service. All figures are estimates based on data from private industry sources, the U.S. Department of Commerce, the Internal Revenue Service, and other Government agencies.

Table 64.—Sorghum: Area, yield, production, disposition, and value, United States, 1974-88

Year	Area planted for all purposes <sup>1</sup>	Sorghum for grain <sup>2</sup>						Sorghum for silage			Forage area harvested <sup>4</sup>	
		Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel <sup>3</sup>	Value of production <sup>3</sup>	Area harvested	Yield per harvested acre		Production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars	1,000 acres	Tons	1,000 tons	1,000 acres
1974.....	17,588	13,809	45.1	622,711	162,819	459,892	2.77	1,721,927	745	9.8	7,279	2,140
1975.....	18,080	15,403	49.0	754,354	174,702	579,652	2.36	1,777,100	763	9.8	7,492	1,438
1976.....	18,143	14,466	49.1	710,797	203,591	507,206	2.03	1,431,190	793	9.2	7,317	1,802
1977.....	16,636	13,797	56.6	780,944	249,333	531,611	1.82	1,411,570	839	10.9	9,184	1,556
1978.....	16,197	13,410	54.5	731,270	236,476	494,794	2.01	1,464,187	724	10.9	7,920	1,449
1979.....	15,277	12,901	62.6	807,422	( <sup>5</sup> )	( <sup>5</sup> )	2.35	1,876,641	764	11.8	8,990	1,211
1980.....	15,639	12,513	46.3	579,343	( <sup>5</sup> )	( <sup>5</sup> )	2.91	1,696,641	734	9.5	7,003	1,412
1981.....	15,930	13,677	64.0	875,835	( <sup>5</sup> )	( <sup>5</sup> )	2.25	2,078,529	786	12.0	9,447	1,024
1982.....	16,023	14,137	59.1	835,083	( <sup>5</sup> )	( <sup>5</sup> )	2.47	2,090,774	603	12.3	7,403	914
1983.....	11,880	10,001	48.7	487,521	( <sup>5</sup> )	( <sup>5</sup> )	2.74	1,382,097	639	10.3	6,572	747
1984.....	17,254	15,355	56.4	866,241	( <sup>5</sup> )	( <sup>5</sup> )	2.32	2,054,805	609	10.6	6,472	679
1985.....	18,285	16,782	66.8	1,120,271	( <sup>5</sup> )	( <sup>5</sup> )	1.93	2,243,450	534	12.3	6,566	796
1986.....	15,336	13,859	67.7	938,124	( <sup>5</sup> )	( <sup>5</sup> )	1.37	1,322,196	500	11.8	5,898	( <sup>5</sup> )
1987.....	11,804	10,604	69.7	739,249	( <sup>5</sup> )	( <sup>5</sup> )	1.70	1,192,923	424	12.2	5,157	( <sup>5</sup> )
1988 <sup>6</sup> .....	10,358	9,052	63.8	577,551	( <sup>5</sup> )	( <sup>5</sup> )	2.28	1,342,867	548	9.9	5,447	( <sup>5</sup> )

<sup>1</sup> Grain and sweet sorghum for all uses, including sirup.

<sup>2</sup> Includes both grain sorghum for grain, and sweet sorghum for grain or seed.

<sup>3</sup> Based on the reported price of grain sorghum. Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979.

<sup>4</sup> Includes hogged or grazed and that cut and fed without removing grain.

<sup>5</sup> Estimates discontinued.

<sup>6</sup> Preliminary.

National Agricultural Statistics Service.



Table 65.—Sorghum grain: Stocks on and off farms, United States, 1974-89

Year	On farms				Off farms <sup>3</sup>			
	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1974.....	217,090	113,602	54,576	18,086	426,818	266,742	123,533	43,145
1975.....	121,041	63,193	29,778	7,849	257,843	145,278	65,307	27,188
1976.....	164,509	84,107	49,951	14,008	309,600	164,221	104,090	37,486
1977.....	158,699	87,333	60,563	21,396	331,631	208,250	135,182	69,646
1978.....	218,292	139,450	108,316	56,056	398,245	273,525	210,749	134,477
1979.....	235,515	140,606	99,216	40,847	401,484	276,684	222,988	118,683
1980.....	234,708	142,489	91,347	40,356	412,290	253,165	186,288	106,064
1981.....	138,845	81,191	50,984	29,434	325,782	232,726	133,547	79,090
1982.....	255,113	124,785	92,673	61,383	432,902	336,665	286,813	235,032
1983.....	267,744	150,101	96,012	59,937	542,706	471,104	433,061	340,296
1984.....	149,330	88,631	61,453	37,932	505,498	380,979	307,444	212,836
1985.....	228,780	134,904	89,076	45,870	496,283	346,392	271,700	225,147
1986.....	330,087	(*)	138,044	* 91,500	664,180	(*)	491,984	* 459,506
1987.....	(*)	(*)	149,100	103,200	(*)	(*)	685,871	628,313
1988.....			105,900	69,420			701,945	593,231
1989 <sup>6</sup> .....			85,200				473,309	

<sup>1</sup> Prior to 1976, estimates are for July 1.<sup>2</sup> Old crop only.<sup>3</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.<sup>4</sup> Per program modification estimates available only for June 1 and September 1.<sup>5</sup> Beginning 1986, estimates for September 1.<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

Table 66.—Sorghum: Supply and disappearance, United States, 1974-88 <sup>1</sup>

Year beginning October	Supply				Disappearance						Ending stocks Sept. 30		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held <sup>2</sup>	Government	Total	
					Feed and residual	Food, alcohol, and seed	Total						
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	
1974.....	61	623	( <sup>3</sup> )	684	425	12	437	212	649	35		35	
1975.....	65	754		819	494	11	505	232	737	82		82	
1976.....	82	711		793	411	11	422	254	676	117		117	
1977.....	117	781		898	448	11	459	223	682	211	5	216	
1978.....	216	731		947	538	11	549	190	739	164	44	208	
1979.....	208	807		1,015	495	12	507	330	837	132	46	178	
1980.....	178	579		757	323	11	334	293	627	89	41	130	
1981.....	130	876		1,006	417	10	427	260	687	277	42	319	
1982.....	319	835		1,154	495	10	505	210	715	268	171	439	
1983.....	439	488	( <sup>3</sup> )	927	385	10	395	245	640	185	102	287	
1984.....	287	866	( <sup>3</sup> )	1,153	539	17	556	297	853	188	112	300	
1985.....	300	1,120		1,421	664	28	691	178	869	344	207	551	
1986.....	551	938		1,489	536	12	547	198	746	334	409	743	
1987.....	743	739		1,483	564	25	589	231	820	199	464	663	
1988 <sup>4</sup> .....	663	578		1,240	515	20	535	275	810	55	375	430	

<sup>1</sup> 1975 to date revised based on new crop year, Sept. 1-Aug. 30.<sup>2</sup> Includes total Government loans (original and resale).<sup>3</sup> Less than 500 thousand bushels.<sup>4</sup> Preliminary.

Economic Research Service.

Table 67.—Sorghum: Area, yield, and production, by States, 1986-88

State	Area planted for all purposes			Sorghum for grain									
	1986 1987 1988 1			Area harvested			Yield per harvested acre			Production			
				1986	1987	1988 1	1986	1987	1988 1	1986	1987	1988 1	
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	
AL.....	140	60	40	100	40	25	40.0	48.0	41.0	4,000	1,920	1,025	
AZ.....	15	14	5	12	11	4	87.0	90.0	100.0	1,044	990	400	
AR.....	675	420	360	660	405	310	62.0	68.0	68.0	40,920	27,540	21,080	
CA.....	30	25	20	26	20	15	85.0	90.0	80.0	2,210	1,800	1,200	
CO.....	380	400	270	300	280	180	39.0	43.0	46.0	11,700	9,890	8,280	
GA.....	155	110	85	82	60	40	33.0	40.0	35.0	2,706	2,400	1,400	
IL.....	230	150	90	200	140	80	95.0	86.0	75.0	19,000	12,040	6,000	
KS.....	4,500	4,100	3,600	4,150	3,750	3,300	75.0	73.0	62.0	311,250	273,750	204,600	
KY.....	60	30	15	57	26	10	75.0	70.0	55.0	4,275	1,820	550	
LA.....	370	190	105	350	172	90	68.0	72.0	68.0	23,800	12,384	6,120	
MS.....	250	160	165	240	145	155	60.0	65.0	56.0	14,400	9,425	8,680	
MO.....	1,200	720	500	1,140	700	470	81.0	85.0	81.0	92,340	59,500	38,070	
NE.....	1,700	1,450	1,600	1,580	1,300	1,360	89.0	84.0	76.0	136,170	109,200	103,360	
NM.....	250	165	160	230	140	140	145	45.0	57.0	60.0	10,350	7,980	8,700
NC.....	85	70	100	40	45	65	35.0	43.0	42.0	1,400	1,935	2,730	
OK.....	550	450	410	490	410	360	47.0	46.0	45.0	23,030	18,860	16,200	
SC.....	66	40	28	32	15	8	32.0	37.0	32.0	1,024	555	256	
SD.....	450	360	460	305	270	250	46.0	53.0	44.0	14,030	14,310	11,000	
TN.....	180	90	45	165	75	35	65.0	80.0	70.0	10,725	6,000	2,450	
TX.....	4,050	2,800	2,300	3,750	2,650	2,150	57.0	63.0	63.0	213,750	166,950	135,450	
US.....	15,336	11,804	10,358	13,859	10,604	9,052	67.7	69.7	63.8	938,124	739,249	577,551	

1 Preliminary.

National Agricultural Statistics Service.

Table 68.—Sorghum: Utilization for silage, by States, 1986-88

State	Silage								
	Area harvested			Yield per acre			Production		
	1986	1987	1988 1	1986	1987	1988 1	1986	1987	1988 1
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	15	10	6	9.5	9.5	9.0	143	96	54
AZ.....	3	3	1	19.0	18.0	17.0	57	54	17
AR.....	7	5	4	10.0	10.0	8.0	70	50	32
CA.....	3	4	4	20.0	21.0	19.5	60	84	78
CO.....	19	18	22	13.0	15.0	13.0	247	270	286
GA.....	42	40	36	9.0	11.0	9.0	378	440	324
IL.....	10	6	3	12.0	10.0	5.0	120	60	15
KS.....	130	123	140	14.0	14.5	10.0	1,820	1,784	1,400
KY.....	2	3	4	12.0	12.0	10.0	24	36	40
LA.....	8	6	4	11.0	10.0	11.0	88	60	44
MS.....	5	12	5	12.0	15.0	9.0	60	180	45
MO.....	10	10	10	11.5	12.0	8.5	115	120	85
NE.....	90	50	100	14.5	12.5	13.5	1,305	625	1,350
NM.....	3	3	2	12.0	13.0	14.0	36	39	28
NC.....	28	21	30	7.0	12.0	7.0	196	252	210
OK.....	23	15	14	13.0	13.0	12.0	299	195	168
SC.....	19	15	18	7.0	8.5	9.0	133	128	162
SD.....	60	50	120	7.6	7.3	6.8	456	365	816
TN.....	8	10	8	12.0	10.0	9.0	96	100	72
TX.....	15	20	17	13.0	11.0	13.0	195	220	221
US.....	500	424	548	11.8	12.2	9.9	5,898	5,157	5,447

1 Preliminary.

National Agricultural Statistics Service.

**Table 69.—Sorghum grain: Marketing year average price and value, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per bushel			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	1.43	1.43	2.60	5,720	2,746	2,665
AZ.....	2.30	2.34	3.08	2,401	2,317	1,232
AR.....	1.37	1.57	2.30	56,060	43,238	48,484
CA.....	2.02	2.21	3.08	4,464	3,978	3,696
CO.....	1.42	1.84	2.35	16,614	18,198	19,458
GA.....	1.32	1.52	2.41	3,572	3,648	3,374
IL.....	1.34	1.46	2.30	25,460	17,578	13,800
KS.....	1.33	1.58	2.21	413,963	432,525	452,166
KY.....	1.40	1.62	2.32	5,985	2,948	1,276
LA.....	1.48	1.57	2.41	35,224	19,443	14,749
MS.....	1.74	1.99	2.83	25,056	18,756	24,664
MO.....	1.25	1.50	2.41	115,425	89,250	91,749
NE.....	1.35	1.62	2.18	183,830	176,904	225,325
NM.....	1.70	2.10	2.55	17,595	16,758	22,185
NC.....	1.51	1.57	1.90	2,114	3,038	5,187
OK.....	1.49	1.70	2.44	34,315	32,062	39,528
SC.....	1.71	1.74	2.21	1,751	966	566
SD.....	1.16	1.43	1.96	16,275	20,463	21,560
TN.....	1.34	1.55	2.41	14,372	9,300	5,905
TX.....	1.60	1.67	2.55	342,000	278,807	345,398
US.....	1.37	1.70	2.28	1,322,196	1,192,923	1,342,867

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 70.—Sorghum grain: Price-support operations, United States, 1974/75–1989/90**

Marketing year	Support price				Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC at end of marketing year <sup>4</sup>
	Per cwt.		Percentage of parity <sup>1</sup>		Quantity	Percentage of production		
	Loan	Target	Loan	Target			Million cwt.	Percent
1974/75.....	<i>Dollars</i> 1.88	<i>Dollars</i> 2.34	<i>Percent</i> 41	<i>Percent</i> 50	2.2	.6		
1975/76.....	1.88	2.34	36	45	5.4	1.3		
1976/77.....	2.55	2.66	46	48	12.5	3.1		
1977/78.....	3.39	4.07	59	71	121.7	27.5	7.2	47.3
1978/79.....	3.39	4.07	55	66	51.6	12.3	17.1	24.4
1979/80.....	3.57	4.18	51	60	35.8	7.9	1.3	24.6
1980/81.....	<sup>5</sup> 3.82-4.07	<sup>6</sup> 4.46-4.38	49-52	57-56	18.1	5.6	.1	21.4
1981/82.....	<sup>5</sup> 4.07-4.32	4.55	49-52	55	155.0	31.5	6.5	24.0
1982/83.....	<sup>5</sup> 4.32-4.91	4.64	50-57	54	134.5	28.8	<sup>7</sup> 41.0	<sup>7</sup> 92.4
1983/84.....	4.50	4.86	51	55	7.6	2.8	1.7	50.0
1984/85.....	4.32	5.14	48	57	36.4	7.5	36.4	67.6
1985/86.....	4.32	5.14	50	60	201.3	32.0	87.5	116.2
1986/87.....	3.25	5.14	39	61	222.2	42.3	127.9	229.0
1987/88.....	3.11	5.14	37	61	<sup>9</sup> 201.3	48.6	119.7	259.6
1988/89.....	3.00	4.96	35	57	<sup>9</sup> 23.0	7.1	20.0	<sup>9</sup> 210.0
1989/90 <sup>9</sup> .....	2.80	4.82						

<sup>1</sup> Percentage of parity price as of the beginning of the marketing year.<sup>2</sup> Represents loans made, purchases, and purchase agreements entered into.<sup>3</sup> Acquisition of all loans forfeited during the marketing year including loans made in previous years.<sup>4</sup> Uncommitted CCC inventory.<sup>5</sup> Smaller value is regular loan; larger value is loan rate for crops in the former-owned reserve.<sup>6</sup> Producers who exceed their NCA will be eligible for the lower target price.<sup>7</sup> Includes Payment-In-Kind purchases.<sup>8</sup> Marketing year for 1974/75 thru 1985/86 began on October 1. Beginning September 1, 1986, marketing year begins September 1 and ends August 31.<sup>9</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 71.—Sorghum grain: United States exports by country of destination, 1986-87<sup>1</sup>

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1986	1987		1986	1987
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Western Hemisphere:			Asia:		
Canada.....	6,363	1,451	Israel.....	228,529	365,511
Mexico.....	787,530	849,516	Japan.....	2,508,160	2,387,806
Other countries.....	801,922	1,855,549	Taiwan.....	597,595	90,192
Total Americas.....	1,596,277	2,706,516	Total Asia and Oceania.....	3,334,284	2,859,379
Europe:			Africa:		
Belgium-Luxembourg.....	0	0	Senegal.....	0	0
Germany, Fed. Rep. of.....	0	0	South Africa.....	2,000	1,865
Portugal.....	38,301	0	Other countries.....	15,334	192,106
Spain.....	0	199,351	Total Africa.....	17,334	193,971
Poland.....	97,309	126,809	World total.....	5,118,543	6,086,026
Other countries.....	34,992	0			
Total Europe.....	170,602	326,160			

<sup>1</sup> Year beginning Oct. 1.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 72.—Feed grains: United States exports under specified Government programs, 1974-87

Year <sup>1</sup>	Public Law 480				Foreign donations Section 416 <sup>6</sup>	Mutual security (AID) <sup>7</sup>	Total specified Government programs
	Title I sales		Title II donations				
	Sales for foreign currency <sup>2</sup>	Long-term dollar and convertible foreign currency credit sales <sup>3</sup>	Government-to-government and World Food Program <sup>4</sup>	Voluntary relief agencies <sup>5</sup>			
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
1974.....		14	142	2			158
1975.....			56	6		148	210
(8).....		(35)	(11)	(1)		(610)	(657)
1976.....		480	46	3		1,306	1,834
1977.....		424	160			1,440	2,024
1978.....		565	113	7		1,445	2,130
1979.....		637	229	39		224	1,129
1980.....		553	226	21		444	1,244
1981.....		296	79	34		323	732
1982.....		320	118	18		392	848
1983.....		364	452	9		793	1,618
1984.....		211	1,121	30		405	1,767
1985.....		124	91	41		445	701
1986.....		333	39	14	38	420	844
1987.....	8	253	145	20	888	25	1,339

<sup>1</sup> Year beginning July 1 for 1974-75 and Oct. 1 starting in 1976.<sup>2</sup> Authorized by Title I, P.L. 480.<sup>3</sup> Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808.<sup>4</sup> Authorized by Title II, P.L. 480.<sup>5</sup> Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec 302, Title III, P.L. 480 through Dec. 31, 1966.

Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967.

<sup>6</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985.<sup>7</sup> Foreign Assistance Act of 1961, as amended.<sup>8</sup> Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 73.—Commercial feeds: Disappearance for feed, United States, 1974–88

Year beginning October	Oilseed cake and meal						Animal protein			
	Soy-bean	Cotton-seed	Linseed	Pea-nut <sup>1</sup>	Sun-flower	Total	Tank-age and meat meal	Fish meal	Dried milk <sup>2</sup>	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1974.....	12,552	1,847	95	151	.....	14,645	1,981	444	238	2,663
1975.....	15,612	1,266	94	313	.....	17,404	2,001	508	234	2,743
1976.....	14,056	1,556	114	208	.....	15,952	2,200	414	249	2,863
1977.....	16,276	1,962	110	105	.....	18,593	2,329	418	290	3,037
1978.....	17,720	1,762	111	113	.....	19,904	2,323	509	320	3,152
1979.....	19,214	1,879	75	115	.....	21,679	2,528	409	305	3,242
1980.....	17,591	1,636	103	94	.....	19,913	2,458	379	305	3,142
1981.....	17,714	2,037	70	118	.....	20,159	2,492	529	334	3,355
1982.....	19,306	1,648	93	74	.....	21,598	2,351	454	398	3,203
1983.....	17,615	1,126	125	75	.....	19,206	2,317	499	406	3,222
1984.....	19,480	1,758	120	123	.....	21,819	2,781	649	426	3,856
1985.....	19,090	1,520	110	174	.....	21,239	2,800	511	412	3,724
1986.....	20,387	1,131	127	108	.....	22,050	2,641	571	436	3,648
1987.....	21,396	1,590	140	105	.....	23,650	2,641	530	400	3,571
1988 <sup>3</sup> .....	19,400	1,705	102	110	.....	21,670	2,723	540	395	3,658

  

Year beginning October	Mill products <sup>4</sup>								Total commercial feeds
	Wheat mill-feeds	Gluten feed and meal <sup>5</sup>	Rice mill-feeds	Brewer's dried grains	Distillers' dried grains	Dried and molasses beet pulp <sup>6</sup>	Alfalfa meal	Total	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1974.....	4,729	1,502	515	346	389	4,093	1,210	12,734	30,042
1975.....	4,969	1,477	465	321	400	4,292	1,352	13,276	33,423
1976.....	4,798	1,038	502	297	374	4,553	1,036	12,598	31,413
1977.....	4,883	1,223	506	282	403	4,073	1,115	12,485	34,115
1978.....	5,061	1,194	550	309	496	3,681	1,097	12,388	35,445
1979.....	4,804	787	536	339	495	2,698	1,001	10,659	35,580
1980.....	5,118	839	580	319	499	2,371	636	10,363	33,418
1981.....	5,344	1,038	565	263	494	2,314	991	11,010	34,524
1982.....	5,665	718	478	214	751	2,560	978	11,363	36,164
1983.....	5,598	1,807	508	149	622	2,282	990	11,956	34,383
1984.....	5,604	4,133	503	156	890	2,653	891	14,830	40,506
1985.....	5,818	1,791	564	148	962	2,080	856	12,210	37,173
1986.....	6,227	1,579	674	161	887	1,952	649	12,127	37,824
1987.....	6,207	1,456	608	132	1,141	1,761	610	11,915	39,136
1988 <sup>3</sup> .....	6,300	1,455	705	121	1,069	1,813	595	12,058	37,387

<sup>1</sup> Year beginning August 1.<sup>2</sup> Includes dried skim milk, and whey for feed, but does not include any milk products fed on farms. Beginning 1974, not comparable with earlier years.<sup>3</sup> Preliminary.<sup>4</sup> Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available.<sup>5</sup> Adjusted for export data.<sup>6</sup> Does not include wet sugarbeet pulp.

Economic Research Service.

**Table 74.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 1974–88**

Year beginning October	Quantity for feeding <sup>1</sup>						High-protein animal units	Quantity per animal unit	High-protein feed prices
	Oilseed meal			Animal protein	Grain protein <sup>3</sup>	Total			
	Soybean meal	Other oilseed meals <sup>2</sup>	Total						
1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Million units	Pounds	Index numbers 1967=100	
1974	13,336	1,951	15,287	3,015	1,141	19,448	96.7	402	171
1975	16,588	1,680	18,268	3,118	1,153	22,538	96.6	467	193
1976	14,934	1,769	16,703	3,244	873	20,820	99.4	419	252
1977	17,253	2,147	19,400	3,418	995	23,813	100.9	472	213
1978	18,960	2,022	20,982	3,533	1,032	25,548	105.9	483	248
1979	21,135	2,279	23,414	3,651	795	27,860	108.6	513	240
1980	19,350	2,136	21,486	3,529	824	25,839	107.8	480	279
1981	19,455	2,270	21,725	3,766	929	26,450	104.6	506	235
1982	21,044	2,108	23,152	3,523	863	27,537	105.4	522	244
1983	18,848	1,460	20,308	3,540	1,431	25,279	105.8	478	245
1984	20,649	2,159	22,808	4,293	2,957	30,058	106.0	567	165
1985	20,235	1,988	22,223	4,139	1,599	27,962	106.9	523	199
1986	21,610	1,528	23,138	4,029	1,486	28,604	109.5	522	210
1987	22,679	2,072	24,752	3,967	1,490	30,209	112.3	538	279
1988	20,564	2,095	22,659	4,077	1,450	28,186	113.8	495	.....

<sup>1</sup> In terms of 44 percent protein soybean meal equivalent.

<sup>2</sup> Includes cottonseed, linseed, peanut meal, and sunflower meal. Includes 30,000 tons previously excluded for industrial uses and for fertilizer.

<sup>3</sup> Beginning 1974, adjusted for exports of corn gluten feed and meal.

Economic Research Service.

**Table 75.—Feed concentrates fed to livestock and poultry, 1974–88**

Year beginning October	Feed grains				Wheat	Rye	By-product feeds <sup>1</sup>	Total concentrates	Grain consuming animal units	Concentrates fed per grain-consuming animal unit
	Corn	Sorghum	Oats and barley	Total						
	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Millions	Tons
1974	89.0	11.9	13.5	114.4	0.6	0.2	38.4	153.6	69.8	2.20
1975	99.6	14.3	13.2	127.1	1.7	.2	36.8	165.8	71.5	2.32
1976	100.4	12.0	11.5	123.9	7.4	.1	34.2	165.6	73.0	2.27
1977	104.1	12.5	13.0	129.6	5.4	.2	37.3	172.5	74.6	2.31
1978	119.4	15.1	13.7	148.1	4.0	.2	41.7	194.1	77.1	2.52
1979	127.4	13.9	12.1	153.3	2.3	.2	42.2	198.0	78.0	2.54
1980	116.4	9.0	11.3	136.7	2.5	.2	39.9	179.4	76.3	2.35
1981	116.7	11.7	11.8	140.2	4.7	.2	40.4	185.4	73.0	2.54
1982	126.6	13.9	13.3	153.7	7.6	.3	38.5	200.1	75.2	2.66
1983	106.9	10.8	14.1	131.8	11.4	.3	37.4	181.0	74.7	2.42
1984	114.2	15.1	14.8	144.1	10.9	.3	47.2	202.5	75.4	2.69
1985	114.7	18.6	14.8	148.0	9.7	.3	43.8	201.9	74.4	2.71
1986	132.0	15.0	13.8	160.8	11.1	.3	45.0	217.2	74.2	2.93
1987	132.6	15.8	11.5	159.9	7.9	.3	46.2	214.3	76.6	2.80
1988	112.0	13.3	7.9	133.2	5.9	.3	43.4	182.9	76.7	2.38

<sup>1</sup> Oilseed meals, animal protein feeds, mill byproducts, and mineral supplements.

Economic Research Service.

**Table 76.—Feed consumed per head and per unit of production, by class of livestock or poultry, with quantity expressed in equivalent feeding value of corn, 1974-87**

Year beginning October	Dairy cattle			Beef cattle				Sheep and lambs	
	Milk cows		Other dairy cattle per head	Cattle on feed per head Jan. 1 <sup>1</sup>	Other beef cattle per head	All beef cattle per head	Cattle and calves per 100 pounds produced <sup>2</sup>	Per head	Per 100 pounds produced <sup>3</sup>
	Per head	Per 100 pounds milk produced							
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1974.....	11,543	112	5,571	5,584	5,178	5,480	1,468	1,856	2,332
1975.....	11,540	109	6,303	7,593	5,247	6,031	2,183	1,260	2,386
1976.....	11,809	108	6,405	6,516	5,344	5,871	1,899	1,840	2,114
1977.....	12,129	110	6,864	6,524	5,251	5,421	1,374	1,442	2,552
1978.....	12,494	110	6,700	8,196	5,240	5,648	1,457	1,397	2,349
1979.....	12,978	111	6,800	8,122	5,437	5,757	1,411	1,373	2,497
1980.....	12,770	110	6,606	7,812	5,581	5,840	1,431	1,437	2,613
1981.....	12,181	99	6,248	8,759	5,360	5,721	1,395	1,409	2,401
1982.....	12,660	101	6,300	8,988	5,395	5,829	1,432	1,529	2,382
1983.....	12,648	103	5,795	7,848	5,708	5,994	1,382	1,723	2,354
1984.....	12,733	99	6,280	8,157	5,325	5,699	1,412	1,499	2,255
1985.....	12,879	97	6,282	8,740	5,519	5,933	1,390	1,513	2,085
1986.....	13,161	99	6,275	8,715	5,480	6,040	1,415	1,530	2,080
1987 <sup>4</sup> .....	13,440	97	6,956	9,724	5,696	6,242	1,400	1,366	1,950

  

Year beginning October	Poultry								Hogs per 100 pounds produced	Horses and mules <sup>2</sup> years and over per head
	Hens and pullets		Chickens raised		Broilers produced		Turkeys raised			
	Per head Jan. 1	Per 100 eggs	Per head	Per 100 pounds live weight	Per head	Per 100 pounds produced	Per head	Per 100 pounds produced		
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1974.....	100	57	26	540	10.1	268	82	401	530	3,592
1975.....	101	56	26	540	7.7	228	71	381	566	3,547
1976.....	105	58	25	542	8.7	236	70	378	584	3,678
1977.....	103	56	24	560	8.6	225	79	408	633	3,680
1978.....	107	58	26	550	9.3	243	79	439	662	3,656
1979.....	107	62	26	565	9.4	263	76	414	688	3,860
1980.....	106	61	25	560	9.5	265	76	415	647	3,825
1981.....	108	61	26	564	10.0	261	84	442	620	3,621
1982.....	112	63	25	560	11.0	252	89	464	638	3,642
1983.....	105	59	28	560	9.3	251	82	431	605	3,592
1984.....	108	62	26	555	9.0	251	84	450	590	3,520
1985.....	107	62	26	555	9.0	251	84	450	601	3,546
1986.....	107	62	26	555	9.1	250	84	450	595	3,520
1987 <sup>4</sup> .....	105	60	26	546	11.0	358	94	583	620	4,288

<sup>1</sup> Feed consumed by all cattle divided by the number on feed Jan. 1.

<sup>2</sup> Feed for all cattle, except milk cows, divided by the net live-weight production of cattle and calves. It includes the growth on dairy heifers and calves as well as all beef cattle.

<sup>3</sup> About 19 pounds of wool were produced with each 100 pounds live-weight production.

<sup>4</sup> Preliminary.

Economic Research Service.

**Table 77.—Feed consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 1974–88**

Year beginning October	Concentrates	Harvested roughage	Pasture	Total	Year beginning October	Concentrates	Harvested roughage	Pasture	Total
	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>		<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>
1974 .....	151	85	268	504	1982 .....	203	107	213	523
1975 .....	173	96	248	512	1983 .....	197	100	215	513
1976 .....	179	100	228	507	1984 .....	208	94	209	511
1977 .....	183	89	214	486	1985 .....	211	100	193	504
1978 .....	205	94	201	500	1986 .....	222	97	188	507
1979 .....	210	101	211	522	1987 <sup>1</sup> .....	214	100	183	497
1980 .....	193	102	232	527	1988 <sup>2</sup> .....	183			
1981 .....	197	93	231	521					

<sup>1</sup> Preliminary.

<sup>2</sup> Estimated.

Economic Research Service.

**Table 78.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 1974–88 <sup>1</sup>**

Year beginning October	Grain-consuming <sup>2</sup>	Roughage-consuming <sup>3</sup>	Grain and roughage-consuming <sup>4</sup>	Year beginning October	Grain-consuming <sup>2</sup>	Roughage-consuming <sup>3</sup>	Grain and roughage-consuming <sup>4</sup>
	<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>		<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>
1974 .....	68,057	103,732	89,996	1982 .....	76,445	90,139	84,494
1975 .....	72,617	98,191	88,013	1983 .....	75,890	89,346	83,791
1976 .....	74,148	94,864	86,544	1984 .....	76,452	85,662	81,735
1977 .....	75,740	89,631	83,936	1985 .....	75,370	83,095	83,095
1978 .....	78,279	86,040	82,701	1986 .....	74,190	79,025	76,800
1979 .....	79,274	87,563	84,019	1987 .....	76,553	77,259	76,610
1980 .....	77,623	90,211	85,003	1988 <sup>5</sup> .....	76,749	77,693	76,935
1981 .....	74,285	91,370	84,419				

<sup>1</sup> Index series based on average feeding rates for years 1969–71. In calculations for the feeding years 1969 to date, cattle numbers used are the new categories shown in the Livestock and Poultry Inventory, published by NASS, USDA.

<sup>2</sup> Livestock and poultry numbers weighted by all concentrates consumed.

<sup>3</sup> Livestock and poultry numbers weighted by all roughage (including pasture) consumed.

<sup>4</sup> Livestock and poultry numbers weighted by all feed (including pasture) fed to livestock.

<sup>5</sup> Preliminary.

Economic Research Service.



Table 79.—Feed grains: Average price, selected markets and grades, 1974-87<sup>1</sup>

Crop year <sup>2</sup>	Kansas City			Minneapolis			
	Corn, No. 2 Yellow	Corn, No. 2 White	Sorghum, No. 2 Yellow	Corn, No. 2 Yellow	Barley, No. 3 or Better malting	Duluth Barley, No. 2 Feed	Oats, No. 2 White
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1974.....	3.08	4.09	5.04	3.05	4.16	2.58	1.68
1975.....	2.69	2.92	4.46	2.67	3.52	2.38	1.66
1976.....	2.26	2.91	3.49	2.25	3.13	2.35	1.74
1977.....	2.28	3.30	3.54	2.13	2.27	1.68	1.27
1978.....	2.56	2.93	4.00	2.32	2.38	1.80	1.43
1979.....	2.72	4.70	4.65	2.53	2.87	2.16	1.57
1980.....	3.29	4.96	5.36	3.13	3.64	2.60	2.04
1981.....	2.60	2.60	4.28	2.44	3.06	2.21	2.14
1982.....	2.99	3.35	4.92	2.83	2.53	1.63	1.69
1983.....	3.36	4.70	5.13	3.25	2.84	2.48	1.87
1984.....	2.74	3.27	4.38	2.62	2.55	2.09	1.81
1985.....	2.37	2.49	3.72	2.23	2.24	1.53	1.31
1986.....	1.64	2.17	2.73	1.51	1.89	1.44	1.46
1987.....	2.12	2.55	3.40	1.99	2.04	1.78	1.92

  

Crop year <sup>2</sup>	Omaha: Corn, No. 2 Yellow	Chicago: Corn, No. 2 Yellow	Texas High Plains: Sorghum, No. 2 Yellow	Los Angeles			St. Louis: Corn, No. 2 Yellow
				Corn, No. 2 Yellow	Barley, No. 2 Western	Sorghum, No. 2 Yellow	
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>
1974.....	3.05	3.12	5.08	3.66	3.14	6.12	3.07
1975.....	2.66	2.75	4.47	3.34	2.81	5.63	2.70
1976.....	2.15	2.90	3.64	2.86	2.61	4.68	2.25
1977.....	2.08	2.26	3.88	2.99	2.35	4.82	2.23
1978.....	2.28	2.54	4.40	3.39	2.53	5.44	2.51
1979.....	2.49	2.81	4.97	3.74	2.96	6.32	2.73
1980.....	3.13	3.38	5.86	4.48	3.57	7.31	3.35
1981.....	2.46	2.58	4.85	3.72	3.27	6.18	2.61
1982.....	2.82	2.93	5.30	3.93	2.97	6.56	2.98
1983.....	3.20	3.41	5.48	4.22	3.45	6.69	3.45
1984.....	2.60	2.74	4.95	3.78	3.16	6.08	2.75
1985.....	2.25	2.35	4.33	3.43	2.77	5.57	2.37
1986.....	1.53	1.64	3.24	2.69	2.38	4.50	1.68
1987.....	1.98	2.14	3.81	3.22	2.50	5.18	2.19

<sup>1</sup> Simple average of daily prices.<sup>2</sup> For corn and sorghum crop year began in October for 1974-84, September for 1985-87. For barley and oats, crop year begins in June.

Agricultural Marketing Service.

Table 80.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 1974-87

Year beginning October	Soybean meal		Cottonseed meal		Linseed meal	Peanut meal	Meat meal	Tankage digester	Fish-meal	Wheat bran
	44% protein	49-50% protein	41% protein	41% protein	34% protein	45% protein	50% protein	60% protein	60% protein	Kansas City
	Decatur	Decatur	Kansas City	Memphis	Minneapolis	S.E. mills	Kansas City	Chicago	West Coast	
	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton
1974.....	130.90	141.25	132.60	119.00	126.70	129.30	155.00	159.90	265.10	86.60
1975.....	147.80	157.70	161.40	145.00	134.60	150.90	180.00	184.10	307.75	88.60
1976.....	199.80	218.70	188.80	173.60	156.90	207.40	225.40	230.90	388.70	81.80
1977.....	164.20	179.40	156.20	139.70	137.75	164.40	204.00	208.50	311.40	70.00
1978.....	190.10	206.20	180.60	164.80	152.20	198.50	243.50	247.90	327.90	87.70
1979.....	181.90	197.00	188.80	164.10	154.40	186.10	233.30	.....	321.00	95.60
1980.....	218.20	235.10	216.20	197.10	160.50	236.00	252.50	.....	359.80	103.40
1981.....	182.50	196.60	168.00	156.20	151.70	182.10	209.20	.....	316.90	82.40
1982.....	187.20	200.90	196.90	176.60	145.10	198.30	219.40	.....	326.60	87.60
1983.....	188.20	203.20	207.00	190.20	140.20	209.00	208.40	.....	323.90	94.80
1984.....	125.40	136.40	120.30	99.40	87.90	.....	150.20	.....	234.60	66.10
1985.....	154.90	166.20	151.00	133.30	114.00	.....	168.75	.....	230.00	59.00
1986.....	162.60	177.30	165.80	148.50	113.20	.....	197.80	.....	265.40	45.90
1987.....	221.90	239.30	197.20	178.50	160.30	.....	255.90	.....	236.20	76.80

  

Year beginning October	Wheat middlings	Wheat shorts or middlings	Wheat mill-run	Gluten feed	Hominy feed	Distillers' dried grains	Brewers' dried grains	Alfalfa meal		Feeding molasses	Index numbers Jan.-Dec. 1967 = 100 <sup>2</sup>
	Minneapolis	Kansas City	Portland	21% protein	Illinois Points	Lawrenceburg <sup>1</sup>	Milwaukee	Dehydrated, 17% protein	Sun-cured	New Orleans	
				Illinois Points				Kansas City	Kansas City		
	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	
1974.....	84.00	85.60	107.30	88.20	90.50	117.00	90.75	81.00	73.70	51.50	174.6
1975.....	86.20	89.00	103.00	93.80	85.40	112.40	97.60	101.70	91.10	48.60	193.1
1976.....	82.40	81.80	90.40	107.25	74.30	132.40	112.75	95.40	84.30	44.80	239.4
1977.....	64.80	70.00	84.80	91.30	70.20	121.20	89.90	76.00	67.50	42.70	202.8
1978.....	80.20	87.70	97.80	120.80	80.40	127.80	106.20	100.75	86.70	79.10	242.0
1979.....	83.00	95.60	116.00	125.25	87.60	137.80	110.40	109.60	92.40	90.70	240.6
1980.....	92.80	103.40	129.60	120.20	105.40	161.90	116.00	122.40	108.70	98.90	278.6
1981.....	71.10	82.40	111.80	113.00	78.70	145.60	96.80	105.60	93.60	50.50	229.8
1982.....	70.70	87.60	110.40	117.80	96.50	145.30	105.60	120.60	104.40	48.80	237.9
1983.....	80.20	94.80	116.80	109.10	108.20	169.90	112.60	129.50	114.90	67.10	246.6
1984.....	47.60	66.10	87.70	73.10	79.10	94.20	63.70	99.20	88.30	48.20	.....
1985.....	46.20	59.00	82.40	90.90	80.80	111.10	74.50	92.70	82.30	68.80	.....
1986.....	32.80	45.90	65.70	98.30	63.40	115.90	81.40	93.10	85.30	56.50	.....
1987.....	65.90	76.80	85.90	117.60	84.60	193.80	111.10	110.70	105.20	59.80	.....

<sup>1</sup> Cincinnati 1974-1980.<sup>2</sup> Based on prices of the following feedstuffs at leading markets, weighted by average consumption: Soybean meal, cottonseed meal, meat meal, tankage, fishmeal, wheat meals; bran, middlings, and millrun; gluten feed and meal; hominy feed, brewers' and distillers' dried grains; alfalfa meal; rice bran and feeding molasses.

Agricultural Marketing Service.

## CHAPTER II

# STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

In addition to tables on cotton, tobacco, sugar, and honey, this chapter includes tables on fibers other than cotton and syrups. Cottonseed data, however, are in the following chapter on oilseeds, fats, and oils.

**Table 81.—Cotton: Area, yield, production, and value, United States, 1974-88**

Year	Area		Yield per harvested acre	Production	Marketing year average price per pound received by farmers <sup>1</sup>	Value of production <sup>1</sup>
	Planted	Harvested				
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 bales <sup>2</sup></i>	<i>Cents</i>	<i>1,000 dollars</i>
1974.....	13,679.4	12,546.6	442	11,540.1	42.9	2,374,064
1975.....	9,477.6	8,796.0	453	8,301.6	51.3	2,043,678
1976.....	11,635.5	10,913.5	465	10,580.6	64.1	3,254,954
1977.....	13,679.5	13,275.3	520	14,389.2	52.3	3,614,938
1978.....	13,375.1	12,400.0	420	10,855.8	58.4	3,044,991
1979.....	13,977.5	12,830.9	547	14,629.3	62.7	4,404,663
1980.....	14,533.8	13,214.8	404	11,122.1	75.4	4,026,458
1981.....	14,330.1	13,841.2	542	15,645.7	55.6	4,174,776
1982.....	11,345.4	9,733.9	590	11,962.7	59.6	3,422,370
1983.....	7,926.3	7,347.5	508	7,771.4	65.6	2,448,002
1984.....	11,145.4	10,379.1	600	12,981.8	58.9	3,670,508
1985.....	10,684.6	10,229.0	630	13,432.2	56.3	3,628,112
1986.....	10,044.6	8,468.4	552	9,731.1	52.4	2,449,111
1987.....	10,407.2	10,035.3	706	14,759.9	64.3	4,555,017
1988 <sup>3</sup> .....	12,509.8	11,943.2	619	15,411.5	55.5	<sup>4</sup> 4,102,350

<sup>1</sup> Net weight price. 1974-78 includes allowance for unredeemed loans, but does not include Government program payments. 1979-88 are strictly market prices.

<sup>2</sup> 480-pound net weight bales.

<sup>3</sup> Preliminary.

<sup>4</sup> Average to Apr. 1, 1989.

National Agricultural Statistics Service. Production figures conform with the Bureau of the Census annual ginning enumerations.

Table 82.—Cotton: Area, yield, and production, by States, 1986-88

State	Area planted			Area harvested			Yield per harvested acre			Production <sup>1</sup>		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
Upland:	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
AL.....	315.0	335.0	390.0	313.0	333.0	375.0	506	572	486	330.0	397.0	380.0
AZ.....	250.0	290.0	350.0	249.0	289.0	349.0	1,301	1,410	1,190	675.0	849.0	865.0
AR.....	490.0	555.0	695.0	480.0	550.0	675.0	602	786	742	602.0	901.0	1,044.0
CA.....	1,000.0	1,150.0	1,350.0	990.0	1,140.0	1,335.0	1,088	1,259	1,015	2,245.0	2,989.0	2,824.0
FL.....	19.5	29.5	33.0	19.0	29.0	29.0	707	646	566	28.0	39.0	34.2
GA.....	225.0	250.0	350.0	195.0	245.0	315.0	455	662	564	185.0	338.0	370.0
KS.....	1.2	1.0	1.0	1.0	.9	.9	336	480	373	.7	.9	.7
LA.....	580.0	605.0	735.0	570.0	600.0	645.0	567	782	705	673.0	977.0	948.0
MS.....	1,020.0	1,020.0	1,230.0	1,000.0	1,010.0	1,190.0	571	829	736	1,190.0	1,745.0	1,825.0
MO.....	178.0	190.0	240.0	160.0	189.0	237.0	588	838	620	196.0	330.0	306.0
NM.....	63.0	66.0	77.0	50.0	62.0	69.0	595	689	710	62.0	89.0	102.0
NC.....	82.0	96.0	126.0	81.0	95.0	124.0	646	495	515	109.0	98.0	133.0
OK.....	400.0	420.0	460.0	350.0	400.0	435.0	288	415	334	210.0	346.0	303.0
SC.....	118.0	120.0	145.0	113.0	119.0	142.0	370	428	473	87.0	106.0	140.0
TN.....	340.0	440.0	535.0	335.0	435.0	530.0	567	700	529	896.0	634.0	584.0
TX.....	4,850.0	4,700.0	5,600.0	3,450.0	4,400.0	5,300.0	353	506	472	2,535.0	4,685.0	5,215.0
VA.....	1.4	1.8	3.2	1.3	1.8	3.2	654	373	510	1.5	1.4	3.4
US.....	9,933.1	10,269.3	12,320.2	8,357.3	9,898.7	11,754.1	547	702	616	9,525.2	14,475.3	15,077.3
American-Pima:												
AZ.....	74.0	91.0	128.0	73.8	90.8	128.0	965	1,126	904	148.3	213.0	241.0
CA.....		.9	1.8		.9	1.8		1,173	853		2.2	3.2
NM.....	11.1	14.0	17.8	11.1	13.9	17.8	718	642	634	16.6	18.6	23.5
TX.....	26.4	32.0	42.0	26.2	31.0	41.5	715	787	769	41.0	50.8	66.5
US.....	111.5	137.9	189.6	111.1	136.6	189.1	890	1,000	848	205.9	284.6	334.2
US, all....	10,044.6	10,407.2	12,509.8	8,468.4	10,035.3	11,943.2	552	706	619	9,731.1	14,759.9	15,411.5

<sup>1</sup> Production ginned and to be ginned.<sup>2</sup> Preliminary.<sup>3</sup> 480-pound net weight bales.

National Agricultural Statistics Service.

Table 83.—Cotton, American upland: Estimated percentage of the crop forward contracted by growers, by States, 1981-88

State	Crop of—							
	1981	1982	1983	1984	1985	1986	1987	1988
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
AL.....	6	13	22	26	19	9	22	9
AZ.....	7	21	19	9	5	25	25	6
AR.....	16	18	24	40	10	11	81	27
CA.....	12	17	60	49	23	81	77	62
GA.....	10	7	18	31	8	4	35	6
LA.....	8	18	21	23	3		20	13
MS.....	28	21	28	31	17	6	44	10
MO.....	26	25	38	53	( <sup>1</sup> )	25	93	7
NM.....	1	( <sup>1</sup> )		1	2		58	9
NC.....	8	17	28	36			45	4
OK.....	2	1		24	( <sup>1</sup> )	13	38	2
SC.....	24	39	62	53	20		44	1
TN.....	9	28	33	35	4	2	67	( <sup>1</sup> )
TX.....	8	5	7	19	5	5	23	9
US.....	10	12	21	27	9	15	39	16

<sup>1</sup> Less than 0.5 percent.

Agricultural Marketing Service.

**Table 84.—Cotton: Production, Marketing Year average price per pound, and value, by States, 1986-88**

State	Production <sup>1</sup>			Price for crop of—			Value of production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2,3</sup>	1986	1987	1988 <sup>3</sup>
	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
Upland:									
AL.....	330.0	397.0	380.0	52.1	64.8	52.9	82,526	123,483	96,490
AZ.....	675.0	849.0	865.0	54.3	65.7	55.5	175,932	267,741	230,486
AR.....	602.0	901.0	1,044.0	49.7	63.5	53.0	143,613	274,625	265,594
CA.....	2,245.0	2,989.0	2,824.0	59.1	69.6	63.5	636,862	998,565	860,755
FL.....	28.0	39.0	34.2	50.0	63.0	52.0	6,720	11,794	8,536
GA.....	185.0	338.0	370.0	58.3	61.8	54.3	51,770	100,264	96,437
KS.....	.7	.9	.7	43.4	58.4	46.2	146	252	155
LA.....	673.0	977.0	948.0	49.8	63.2	53.1	160,874	296,383	241,626
MS.....	1,190.0	1,745.0	1,825.0	50.9	63.6	51.6	290,741	532,714	452,016
MO.....	196.0	330.0	306.0	51.5	66.0	53.3	48,451	104,544	78,287
NM.....	62.0	89.0	102.0	56.0	66.3	62.3	16,666	28,323	30,502
NC.....	109.0	98.0	133.0	52.1	62.0	54.0	27,259	29,165	34,474
OK.....	210.0	346.0	303.0	43.4	58.4	46.2	43,747	96,991	67,193
SC.....	87.0	106.0	140.0	49.0	59.1	53.6	20,462	30,070	36,019
TN.....	396.0	634.0	584.0	49.0	63.0	53.0	93,139	191,722	148,570
TX.....	2,535.0	4,635.0	5,215.0	46.1	59.6	50.7	560,945	1,325,981	1,269,122
VA.....	1.5	1.4	3.4	52.1	62.0	54.0	375	417	881
US.....	9,525.2	14,475.3	15,077.3	51.5	63.7	54.8	2,360,228	4,413,034	3,917,093
American-Pima:									
AZ.....	148.3	213.0	241.0	89.2	104.0	116.0	63,496	106,330	134,189
CA.....	.....	2.2	3.2	.....	104.0	116.0	.....	1,098	1,782
NM.....	16.6	18.6	23.5	90.4	103.0	120.0	7,203	9,196	13,536
TX.....	41.0	50.8	66.5	92.4	103.0	112.0	18,184	25,359	35,750
US.....	205.9	284.6	334.2	89.9	104.0	115.0	88,883	141,983	185,257
US, all.....	9,731.1	14,759.9	15,411.5	52.4	64.3	55.5	2,449,111	4,555,017	4,102,350

<sup>1</sup> Production ginned and to be ginned. <sup>2</sup> Preliminary. <sup>3</sup> Average to Apr. 1, 1989 with no allowance for unredeemed loans. <sup>4</sup> 480-pound net weight bales.  
National Agricultural Statistics Service.

**Table 85.—Cotton, American upland: Price-support operations, United States, 1974-89**

Year beginning August	Support price <sup>1,2</sup>		Put under support <sup>4</sup>		Acquired by CCC under support <sup>5</sup>	Owned by CCC July 31
	Per pound	Percentage of parity <sup>3</sup>	Quantity	Percentage of production		
	Cents	Percent	1,000 bales <sup>6</sup>	Percent	1,000 bales <sup>6</sup>	1,000 bales <sup>6</sup>
1974.....	* 38.00	.....	2,420	21.5	(?)	0
1975.....	* 38.00	.....	691	8.5	(?)	0
1976.....	* 43.20	.....	941	9.2	(?)	0
1977.....	* 47.80	.....	4,518	31.6	2	(?)
1978.....	* 52.00	.....	1,524	14.2	(?)	(?)
1979.....	* 57.70	.....	1,720	11.8	(?)	(?)
1980.....	* 58.40	.....	2,276	20.7	22	(?)
1981.....	* 70.87	.....	6,028	38.7	931	1
1982.....	* 71.00	.....	5,003	42.2	786	397
1983.....	* 76.00	.....	1,743	22.7	0	158
1984.....	* 81.00	.....	2,957	23.0	649	123
1985.....	* 81.00	.....	7,289	54.9	161	767
1986.....	* 81.00	.....	6,170	64.8	* 12	73
1987.....	* 79.40	.....	* 5,362	37.1	* 105	8
1988.....	* 76.90	.....	* 11,215	* 74.4	* 2	* 50
1989.....	* 73.40	.....	.....	.....	.....	.....

<sup>1</sup> Average of the crop from 1966 through 1970; Middling 1-inch, micronaire 3.5-4.9, net weight for 1971 through 1973, established "target" price for 1974 and succeeding years. <sup>2</sup> Includes price-support payments as follows: On production from area planted within the farm base area allotment, 15 cents in 1973. <sup>3</sup> Percentage of parity price as of the beginning of the marketing year. <sup>4</sup> Includes loans made. <sup>5</sup> Acquisitions from crop harvested in the year indicated and not acquisitions during that year. <sup>6</sup> Running bales. <sup>7</sup> Less than 500 bales. <sup>8</sup> Established price or "target" price. If the average market price is below the target price, eligible producers will receive payment at a rate equal to the difference between the target price and the higher of the loan level or the average market price. No payments were made on the 1973-80 crops. <sup>9</sup> Estimated.

Agricultural Stabilization and Conservation Service.

Table 86.—Cotton: Area, yield, and production in specified countries, 1986-88 <sup>1</sup>

Continent and country	Area			Yield per hectare			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
North and Central America:	1,000 hectares	1,000 hectares	1,000 hectares	Kilo- grams	Kilo- grams	Kilo- grams	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
United States.....	3,427	4,061	4,833	618	791	694	9,731	14,760	15,411
El Salvador.....	13	14	13	854	715	770	51	46	46
Guatemala.....	31	40	40	913	1,198	1,051	130	220	193
Honduras.....	4	4	4	762	708	708	14	13	13
Mexico.....	150	230	255	926	956	1,178	638	1,010	1,380
Nicaragua.....	65	60	40	764	591	577	228	163	106
Other incl. Caribbean.....	19	20	21	286	294	290	25	27	28
Total.....	3,709	4,429	5,206	635	798	718	10,817	16,239	17,177
South America:									
Argentina.....	330	515	500	318	547	361	482	1,295	830
Bolivia.....	8	9	2	272	363	218	10	15	2
Brazil.....	2,165	2,156	2,340	303	355	307	3,008	3,514	3,300
Colombia.....	175	232	212	610	576	568	490	614	553
Ecuador.....	20	17	14	370	371	498	34	29	32
Paraguay.....	275	400	450	306	438	448	386	804	925
Peru.....	125	140	172	580	765	601	333	492	475
Venezuela.....	50	59	55	353	480	396	81	130	100
Total.....	3,148	3,528	3,745	334	425	361	4,824	6,893	6,217
Europe:									
Greece.....	205	202	245	1,025	871	971	965	808	1,093
Italy.....	3	0	0	218	0	0	3	0	0
Spain.....	79	79	135	1,089	1,047	810	395	380	502
Bulgaria.....	14	14	14	327	311	311	21	20	20
Yugoslavia.....	1	1	1	435	218	218	2	1	1
Other Europe.....	28	28	28	272	272	272	35	35	35
Total.....	330	324	423	988	836	850	1,421	1,244	1,651
Soviet Union.....	3,475	3,527	3,432	762	700	799	12,157	11,345	12,600
Africa:									
Angola.....	25	25	25	174	174	174	20	20	20
Cameroon.....	94	95	125	517	474	540	223	207	310
Central African Rep.....	80	75	65	120	99	167	44	34	50
Chad.....	135	160	190	252	299	286	156	220	250
Zaire.....	60	62	64	109	81	109	30	23	32
Kenya.....	138	138	140	55	57	67	35	36	43
Malawi.....	30	50	50	196	218	218	27	50	50
Morocco.....	14	15	18	591	740	532	38	51	44
Mozambique.....	142	135	125	123	113	113	80	70	65
Nigeria.....	285	320	340	99	94	106	129	138	165
Zimbabwe.....	240	260	248	363	454	406	400	542	462
South Africa.....	160	205	193	367	377	347	270	355	308
Sudan.....	350	321	330	468	416	462	753	613	700
Tanzania.....	450	460	415	159	177	154	328	374	294
Uganda.....	200	260	300	60	71	73	55	85	100
Egypt.....	443	416	426	909	845	718	1,850	1,614	1,405
Other Africa.....	729	762	897	516	487	481	1,728	1,705	1,981
Total.....	3,575	3,759	3,951	376	355	346	6,166	6,137	6,279
Asia, Mid-East, and Oceania:									
Afghanistan.....	50	50	50	435	435	435	100	100	100
Australia.....	148	232	186	1,446	1,212	1,452	983	1,291	1,240
Burma.....	191	183	180	141	148	151	124	124	125
China.....	4,306	4,844	5,535	824	876	751	16,300	19,500	19,100
India.....	7,280	6,471	7,400	222	239	241	7,418	7,105	8,200
Iran.....	188	192	200	591	542	544	510	478	500
Iraq.....	65	65	65	218	218	218	65	65	65
Israel.....	46	40	48	1,500	1,475	1,293	317	271	285
Korea, Rep. of.....	1	1	1	435	218	218	2	1	1
Pakistan.....	2,505	2,568	2,500	527	573	578	6,058	6,764	6,637
Yemen (Aden).....	16	16	16	340	340	340	25	25	25
Syria.....	144	129	170	874	915	672	578	542	525
Thailand.....	49	64	71	391	388	497	88	114	162
Turkey.....	589	586	707	880	916	919	2,380	2,465	2,985
Other Asia.....	97	98	104	263	291	283	117	131	135
Total.....	15,675	15,539	17,233	487	546	506	35,065	38,976	40,085
World total.....	29,912	31,106	33,990	513	566	538	70,450	80,834	84,009

See footnotes on page 65.

Table 87.—Cotton: Supply and distribution, United States, 1974-88

Year beginning August	Supply					Distribution				
	Beginning of season		Ginnings in season <sup>1</sup>	Imports <sup>2</sup>	Total supply	Consumption		Exports	Carryover, end of season	
	Foreign	Total				Foreign	Total <sup>3</sup>		Foreign	Total
	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>
1974	11	3,743	11,224	34	15,000	21	5,629	3,746	17	5,481
1975	17	5,481	8,174	92	13,746	23	6,986	3,178	48	3,594
1976	48	3,594	10,395	38	14,027	35	6,478	4,565	13	2,920
1977	13	2,920	14,076	5	17,002	12	6,236	5,219	6	5,326
1978	6	5,326	10,478	4	15,808	4	6,098	5,850	4	3,782
1979	4	3,782	14,389	5	18,177	3	6,261	8,779	2	3,027
1980	2	3,027	10,671	27	13,726	2	5,664	5,639	1	2,595
1981	1	2,595	15,146	26	17,767	( <sup>5</sup> )	5,043	6,263	2	6,399
1982	2	6,399	11,488	2	17,890	5	5,259	4,961	1	7,561
1983	1	7,561	7,665	9	15,235	( <sup>5</sup> )	5,628	6,419	1	2,906
1984	1	2,906	12,452	21	15,379	( <sup>5</sup> )	5,268	5,943	( <sup>6</sup> )	4,088
1985	( <sup>6</sup> )	4,088	13,063	28	17,179	( <sup>5</sup> )	6,198	1,875	( <sup>6</sup> )	9,041
1986		9,041	9,294	3	18,337		7,096	6,366		4,797
1987		4,797	14,493	3	19,294		7,294	6,297		5,654
1988 <sup>7</sup>		5,654								

<sup>1</sup> Ginnings during the 12 months, Aug. 1-July 31. Includes an allowance for "city crop" which consists of rebaled samples and pickings from cotton damaged by fire and weather. <sup>2</sup> Total imports minus re-exports. <sup>3</sup> Adjusted to marketing year. <sup>4</sup> Equivalent running bales. <sup>5</sup> Data withheld to avoid disclosing figures for individual companies. <sup>6</sup> Less than 500 bales. <sup>7</sup> Preliminary.

Agricultural Marketing Service. Compiled from reports of the Bureau of the Census.

Table 88.—Cotton: Mill consumption, by growths, United States, 1974-87

Year beginning August	Domestic			Foreign				All growths
	Upland	American Pima <sup>1</sup>	Total	Egyptian	Indian	Other	Total	
	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>
1974	5,559,862	48,519	5,608,381	8,857	7,808	4,192	20,857	5,629,238
1975	6,888,486	74,137	6,962,623	12,317	9,966	702	22,985	6,985,608
1976	6,394,429	48,407	6,442,836	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	34,888	6,477,724
1977	6,170,934	53,246	6,224,180	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	11,698	6,235,878
1978	6,031,854	62,146	6,094,000	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	4,143	6,098,143
1979	6,196,192	61,843	6,258,035	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	2,717	6,260,752
1980	5,601,874	59,375	5,661,249	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	2,375	5,663,624
1981	4,998,461	44,670	5,043,131	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	5,043,131
1982	5,205,024	48,525	5,253,549	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	5,046	5,258,595
1983	5,564,206	64,130	5,628,336	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	5,628,336
1984	5,221,480	46,272	5,267,752	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	5,267,752
1985	6,138,579	59,094	6,197,673	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	6,197,673
1986	7,031,918	64,070	7,095,988	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	7,095,988
1987	7,243,982	49,617	7,293,599	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	7,293,599

<sup>1</sup> Includes Sea Island, foreign and other domestic cotton.

<sup>2</sup> Equivalent running bales.

<sup>3</sup> Not reported separately.

Agricultural Marketing Service. Compiled from reports of the Bureau of the Census.

## FOOTNOTES FOR TABLE 86

<sup>1</sup> Harvest season beginning Aug. 1.

<sup>2</sup> Preliminary.

<sup>3</sup> 480-pound net weight.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 89.—Cotton, American upland: Carryover and crop, running bales, by grade groupings, United States, 1979–88**

Year beginning August	White <sup>1</sup>						Light Spotted				Other Colored <sup>2</sup>	All grades <sup>3</sup>
	11	21	31	41	51	61 and 71	22 and higher	32	42	52 and lower		
	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>
<b>Carryover:</b>												
1979.....		21	259	1,415	601	90	7	288	621	214	213	3,730
1980.....	(*)	109	463	949	471	63	3	280	320	89	242	2,990
1981.....	(*)	31	392	877	391	53	1	86	334	151	226	2,542
1982.....	(*)	56	499	1,279	890	153	4	347	1,394	1,035	652	6,309
1983.....	(*)	30	340	1,795	1,254	157	14	640	1,765	780	685	7,461
1984.....	(*)	26	458	999	460	32	7	180	388	182	177	2,811
1985.....	(*)	102	503	734	693	71	2	103	571	1,018	214	4,011
1986.....	(*)	63	1,530	2,233	749	50	8	362	1,823	1,501	665	8,984
1987.....	1	36	589	939	373	35	5	214	960	749	807	4,709
1988.....	3	163	920	1,846	698	68	26	441	693	293	451	5,603
<b>Crop:</b>												
1979.....	1	223	3,160	4,531	1,428	188	13	1,579	1,991	404	647	14,166
1980.....	(*)	84	2,621	3,047	1,093	185	2	380	1,790	748	775	10,724
1981.....	1	142	2,570	3,539	1,454	248	5	721	3,209	2,074	1,110	15,073
1982.....	(*)	77	1,508	3,434	1,935	230	17	700	1,939	914	676	11,430
1983.....	(*)	22	1,120	2,404	792	91	3	328	1,086	772	794	7,413
1984.....	1	261	2,704	2,559	1,360	184	9	406	1,717	2,892	324	12,419
1985.....	(*)	113	2,383	3,528	933	67	6	574	2,804	2,135	294	12,837
1986.....	1	162	2,049	1,742	373	32	4	501	1,947	1,404	1,022	9,237
1987.....	6	593	3,256	4,483	1,419	124	55	1,177	1,657	672	642	14,083
1988.....	10	1,095	5,146	4,786	815	67	59	711	1,164	411	199	14,462

<sup>1</sup> "Plus" grades included.<sup>2</sup> Includes all grades of Spotted, Tinged, Stained, Light Gray, Gray, and Below Grade.<sup>3</sup> As reported by the Bureau of the Census.<sup>4</sup> Less than 500 bales.

Agricultural Marketing Service.

**Table 90.—Cotton, American upland: Carryover and crop, running bales, by staple groupings, United States, 1979–88**

Year beginning August	Staple										All staples <sup>1</sup>	
	26 and shorter	28	29	30	31	32	33	34	35	36 and longer		
	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>
<b>Carryover:</b>												
1979.....	( <sup>2</sup> )	2	18	109	212	506	734	1,121	780	249	3,730	
1980.....	1	9	29	117	195	373	415	666	853	331	2,990	
1981.....	1	8	18	86	120	260	293	701	694	362	2,542	
1982.....	2	29	133	500	855	778	532	1,381	1,569	530	6,309	
1983.....	1	21	85	485	890	598	477	1,115	2,224	1,564	7,461	
1984.....	( <sup>2</sup> )	1	7	56	135	233	255	664	910	550	2,811	
1985.....	2	32	74	218	309	270	231	639	1,079	1,157	4,011	
1986.....	8	57	185	488	778	754	613	1,064	2,423	2,613	8,984	
1987.....	( <sup>2</sup> )	10	15	86	108	250	467	1,070	1,727	976	4,709	
1988.....	( <sup>2</sup> )	1	10	54	154	376	754	1,217	1,798	1,238	5,603	
<b>Crop:</b>												
1979.....	4	24	126	650	1,453	1,775	1,239	1,462	4,378	3,056	14,166	
1980.....	7	51	164	452	798	1,040	903	1,670	3,318	2,322	10,724	
1981.....	2	25	155	805	1,924	1,700	1,124	2,725	4,419	2,194	15,073	
1982.....	2	16	78	412	935	676	454	985	3,509	4,362	11,430	
1983.....	3	22	65	251	482	471	513	1,012	2,531	2,063	7,413	
1984.....	7	45	122	414	761	719	715	1,149	2,858	5,630	12,419	
1985.....	( <sup>2</sup> )	5	38	234	825	889	883	1,679	4,182	4,101	12,837	
1986.....	( <sup>2</sup> )	2	13	58	226	491	1,058	1,859	3,184	2,346	9,237	
1987.....	1	4	18	71	277	698	1,505	2,643	5,119	3,748	14,083	
1988.....	2	16	78	303	929	1,394	1,438	1,567	3,579	5,148	14,462	

<sup>1</sup> As reported by the Bureau of the Census.<sup>2</sup> Less than 500 bales.

Agricultural Marketing Service.



**Table 91.—Cotton, American Pima: Carryover, 1987–88, and crop, 1986–88, running bales, by grade and staple, United States**

Year beginning August	Grade					Staple				All grades and all staples <sup>1</sup>
	01 and 02	03	04	05	06 and 07	42 and shorter	44	46	48 and longer	
Carryover:	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>
1987 .....	3.8	17.8	21.4	31.5	14.0	3.5	34.8	49.6	0.7	88.6
1988 .....	13.2	17.1	10.9	3.5	6.4	1.7	26.8	21.3	1.2	51.0
Crop:										
1986 .....	9.0	112.9	65.3	10.2	3.8	4.3	69.1	126.9	.8	201.1
1987 .....	27.3	131.1	88.6	19.5	8.6	1.2	54.5	219.1	.4	275.1
1988 .....	26.3	182.2	93.6	11.6	6.1	4.8	101.0	186.3	27.8	319.8

<sup>1</sup> Bureau of the Census.  
Agricultural Marketing Service.

**Table 92.—Cotton, upland: Average staple length of upland cotton ginned, by States, 1983–88**

State	Average staple length (32ds of an inch) <sup>1</sup>					
	1983	1984	1985	1986	1987	1988
AL.....	34.5	35.0	35.1	35.1	34.3	34.9
AZ.....	35.1	35.3	35.2	35.2	35.5	35.6
AR.....	35.2	35.7	35.5	35.1	35.1	35.5
CA.....	35.6	36.2	35.9	35.6	35.7	36.4
GA.....	35.3	35.4	35.0	35.3	35.1	35.2
LA.....	35.1	35.8	34.6	34.6	35.0	35.2
MS.....	34.8	35.4	34.9	34.2	34.7	35.1
MO.....	34.9	35.8	35.9	35.7	35.1	35.5
NM.....	36.0	35.9	35.5	36.2	36.0	35.9
NC.....	34.5	35.6	35.5	35.4	35.1	35.2
OK.....	32.3	32.2	32.9	33.3	34.3	32.9
SC.....	34.9	35.8	35.6	35.0	35.1	35.3
TN.....	33.9	34.6	35.0	34.7	34.7	35.1
TX.....	32.7	32.4	32.7	33.3	33.6	32.5
Other States.....	35.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
U.S.....	34.3	34.7	34.5	34.6	34.6	34.5

<sup>1</sup> Average calculated on numerical equivalents of the staple-length designations. For example,  $\frac{3}{8}$ -inch = 28,  $\frac{1}{2}$ -inch = 29, etc.

<sup>2</sup> Not available.

Agricultural Marketing Service.

Table 93.—Cotton: International trade, 1982-87 <sup>1</sup>

Country	1982	1983	1984	1985	1986	1987 <sup>2</sup>
	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
<b>Principal exporting countries:</b>						
Mexico.....	395	475	375	380	220	375
Nicaragua.....	341	300	250	223	211	175
United States.....	5,207	6,786	6,215	1,960	6,684	6,582
Brazil.....	1,021	80	354	358	303	597
Peru.....	288	50	140	115	88	14
Greece.....	43	235	161	73	365	125
Soviet Union.....	3,890	3,202	2,994	3,170	3,462	3,457
China.....	75	760	944	2,822	3,169	2,322
Pakistan.....	1,273	377	1,261	3,148	2,884	2,358
Syria.....	510	696	473	460	276	151
Turkey.....	654	499	684	322	510	197
Egypt.....	920	780	560	837	586	486
Sudan.....	640	1,004	590	499	820	825
Tanzania.....	110	133	145	129	217	178
Uganda.....	81	28	42	43	43	40
<b>Total.....</b>	<b>15,448</b>	<b>15,449</b>	<b>15,625</b>	<b>14,595</b>	<b>19,748</b>	<b>17,832</b>
<b>Principal importing countries:</b>						
Canada.....	248	243	216	287	151	210
Austria.....	101	106	101	96	115	119
Belgium.....	162	157	177	184	254	210
France.....	870	775	728	692	811	735
Germany, Fed. Rep. of.....	1,039	988	1,069	987	1,376	976
Italy.....	1,078	1,150	1,162	1,194	1,539	1,423
Netherlands.....	51	43	46	56	48	50
Poland.....	651	673	746	710	646	735
Portugal.....	605	668	734	781	875	852
Spain.....	276	368	346	369	532	519
Sweden.....	24	25	25	25	25	25
Switzerland.....	272	255	254	292	356	387
United Kingdom.....	258	217	237	233	258	245
Hong Kong.....	780	997	851	1,096	1,508	1,206
South Korea.....	1,562	1,602	1,601	1,682	1,901	1,957
Japan.....	3,137	3,338	3,125	3,054	3,688	3,431
<b>Total.....</b>	<b>11,114</b>	<b>11,605</b>	<b>11,450</b>	<b>11,753</b>	<b>14,017</b>	<b>13,080</b>

<sup>1</sup> Crop year beginning Aug. 1.    <sup>2</sup> Preliminary.    <sup>3</sup> 480-pound net weight.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 94.—Cotton: United States exports, by country of destination, 1985-87

Country of destination	Year beginning August			Country of destination	Year beginning August		
	1985	1986	1987		1985	1986	1987
	<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>		<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>
Austria.....	(2)	(2)	1	Australia .....	1	0	1
Belgium/Luxembourg.....	13	66	92	Canada.....	98	60	153
Denmark.....	2	3	7	Chile.....	0	0	2
Finland.....	3	20	15	Colombia.....	(2)	0	1
France.....	8	91	67	Egypt.....	120	69	93
Germany, Fed. Rep. of.....	85	284	376	Hong Kong.....	1	45	88
Italy.....	91	242	407	India.....	0	0	8
Netherlands.....	1	6	8	Indonesia.....	105	311	287
Norway.....	10	9	9	Israel.....	4	8	19
Poland.....	(2)	(2)	51	Japan.....	520	1,429	1,569
Portugal.....	7	76	58	Korea, Rep. of.....	513	1,232	1,450
Spain.....	29	61	83	Pakistan.....	2	3	3
Sweden.....	15	15	19	Philippines.....	8	127	135
Switzerland.....	39	36	67	South Africa.....	(2)	4	15
United Kingdom.....	35	57	69	Taiwan.....	46	749	424
Yugoslavia.....	55	9	18	Thailand.....	17	205	248
Other Europe.....	62	95	292	Uruguay.....	0	(2)	1
				Other countries.....	71	611	446
Total Europe.....	455	1,070	1,639	Total.....	1,506	4,853	4,943

<sup>1</sup> 480 pounds net.<sup>2</sup> Less than 500 bales.Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce and *U.S. Export Sales*.

Table 95.—Cotton and cotton linters: United States imports for consumption, by country of origin, 1985-87

Country of origin	Year beginning August			Country of origin	Year beginning August		
	1985	1986	1987		1985	1986	1987
	<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>		<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>
Cotton, raw:				Cotton linters:			
Egypt.....	0	219	0	El Salvador.....	0	0	0
India.....	0	446	116	Guatemala.....	0	2,526	0
Mexico.....	32,440	1,727	1,372	Mexico.....	66,975	23,357	22,565
Pakistan.....	402	189	81	Brazil.....	37,382	20,889	44,497
Other countries.....	52	39	0	Soviet Union.....	0	0	0
Total.....	32,894	2,620	1,569	Other countries.....	49,233	119,446	83,249
				Total.....	153,590	171,218	150,311

<sup>1</sup> 480 pounds net.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 96.—Cotton, American upland: Percentage distribution of mike readings, by specified groups, United States, 1974–88**

Year beginning August	Mike groups						
	26 and below	27 to 29	30 to 32	33 to 34	35 to 49	50 to 52	53 and above
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1974.....	2.6	3.7	5.4	4.0	76.5	6.1	1.7
1975.....	3.3	7.9	9.5	5.3	68.7	4.3	1.0
1976.....	1.3	2.8	5.0	4.5	77.2	7.0	2.2
1977.....	.1	.6	1.9	2.2	80.2	11.4	3.6
1978.....	.2	1.4	4.6	4.7	76.7	9.5	2.9
1979.....	1.8	9.1	11.3	5.6	66.6	4.5	1.1
1980.....	.3	1.7	4.0	3.7	80.3	8.3	1.7
1981.....	1.0	3.6	7.8	5.8	73.5	6.6	1.7
1982.....	.5	1.2	2.7	3.0	87.9	4.0	.7
1983.....	.5	1.7	3.6	3.7	83.7	5.7	1.1
1984.....	2.4	6.2	8.7	5.9	73.2	3.0	.8
1985.....	.4	1.4	3.8	4.6	84.7	4.3	.8
1986.....	2.2	4.2	5.4	4.1	75.3	6.3	2.5
1987.....	1.4	3.4	6.2	5.5	80.0	3.0	.6
1988.....	1.4	1.3	3.6	4.6	87.3	2.4	.5

Agricultural Marketing Service.

**Table 97.—Cotton, American upland: Average spot prices for specified grades of 1½-inch staple in the designated markets for mixed lots, net weight, uncompressed in warehouse, cents per pound, 1975–88**

Year beginning August	White				Light Spotted			Spotted	
	Middling	Strict Low Middling	Low Middling	Strict Good Ordinary	Middling	Strict Low Middling	Low Middling	Middling	Strict Low Middling
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1975.....	59.37	57.99	55.47	49.90	58.04	55.58	50.98	52.50	49.71
1976.....	72.28	70.88	68.23	63.11	70.94	68.41	63.98	65.04	62.12
1977.....	54.19	52.74	49.73	45.89	52.76	49.89	46.40	47.57	45.03
1978.....	63.23	61.58	57.98	53.39	61.57	58.15	53.91	55.19	52.63
1979.....	72.69	71.48	68.44	61.90	71.42	68.44	62.54	64.14	60.90
1980.....	84.12	82.99	79.20	71.17	82.89	79.27	72.17	74.11	69.94
1981.....	61.86	60.48	54.92	46.43	60.33	55.71	47.63	50.01	45.57
1982.....	64.91	63.08	57.49	49.47	62.87	58.50	50.86	53.19	49.08
1983.....	74.80	73.11	68.58	61.93	72.90	69.63	63.62	65.37	61.64
1984.....	61.72	60.51	54.94	48.29	60.25	55.75	50.14	51.36	47.87
1985.....	61.12	60.01	55.88	48.31	59.89	56.71	50.27	51.67	47.32
1986.....	54.89	53.16	49.64	43.48	53.11	50.71	45.44	46.32	42.70
1987.....	65.04	63.13	60.41	54.35	63.17	61.16	56.38	57.21	53.94
1988.....	59.42	57.67	54.35	46.21	57.69	55.00	48.25	( <sup>1</sup> )	45.74

<sup>1</sup> Not available.

Agricultural Marketing Service.

**Table 98.—Cotton, American upland: Average spot prices for specified staple lengths of Strict Low Middling in the designated markets for mixed lots, net weight, uncompressed in warehouse, cents per pound, 1975–88**

Year beginning August	Staple							
	28	29	30	31	32	33	34	35
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1975.....	49.34	50.07	51.29	52.34	53.49	56.44	57.99	58.18
1976.....	61.86	62.68	63.87	64.66	65.99	69.34	70.88	71.08
1977.....	45.09	45.74	46.79	47.30	48.26	51.27	52.74	52.95
1978.....	51.91	52.49	53.43	54.22	55.23	59.92	61.58	61.89
1979.....	59.03	59.54	60.54	62.08	63.42	69.53	71.48	71.87
1980.....	66.52	67.26	69.74	73.96	75.70	80.95	82.99	83.39
1981.....	47.60	48.14	49.92	52.54	54.13	58.28	60.48	60.89
1982.....	50.27	50.55	52.40	54.89	56.43	60.79	63.08	63.48
1983.....	60.82	61.00	62.53	64.63	66.32	70.71	73.11	73.55
1984.....	50.33	50.54	52.30	54.60	56.04	58.30	60.51	60.95
1985.....	50.16	50.35	52.16	54.41	55.80	57.86	60.01	60.48
1986.....	43.01	43.06	44.76	46.70	47.86	50.78	53.16	53.70
1987.....	56.25	56.25	57.38	58.44	59.33	60.81	63.13	63.63
1988.....	( <sup>1</sup> )	48.02	48.94	50.21	52.39	54.12	57.67	58.13

<sup>1</sup> Not available.

Agricultural Marketing Service.

**Table 99.—Cotton, American upland: High, low, and season average spot prices for the base quality in the designated markets, cents per pound, 1975-88 <sup>1</sup>**

Season beginning August	Strict Low Middling 1½¢ <sup>*</sup>			Season beginning August	Strict Low Middling 1½¢ <sup>*</sup>		
	Average	High	Low		Average	High	Low
	Cents	Cents	Cents		Cents	Cents	Cents
1975.....	57.99	86.84	46.74	1982.....	63.08	73.35	57.34
1976.....	70.88	79.36	55.21	1983.....	73.11	81.61	63.79
1977.....	52.74	59.28	47.02	1984.....	60.51	65.46	57.60
1978.....	61.58	67.57	56.46	1985.....	60.01	65.94	55.09
1979.....	71.48	84.82	60.62	1986.....	53.16	76.00	25.94
1980.....	82.99	92.29	72.65	1987.....	63.13	77.17	56.45
1981.....	60.48	71.31	53.51	1988.....	57.67	69.91	50.05

<sup>1</sup> Prices are for mixed lots, net weight, uncompressed in warehouse.  
Agricultural Marketing Service.

**Table 100.—Cotton, American upland: Season average spot prices for the base quality, by designated markets, cents per pound, 1979-88 <sup>1</sup>**

Market	Strict Low Middling 1½¢ inches									1988 <sup>2</sup>	
	1979	1980	1981	1982	1983	1984	1985	1986	1987		
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Market area	Cents
Greenville.....	73.24	84.54	61.57	63.50	73.28	61.08	60.52	51.66	63.37	} Southeast.....	57.26
Augusta.....	73.92	85.21	61.87	63.33	73.25	60.73	60.40	51.70	62.54		
Montgomery.....	72.57	84.28	61.34	63.50	72.93	60.56	60.17	51.34	62.79		
Memphis.....	72.55	83.81	61.00	63.33	73.25	60.73	60.40	51.70	62.54		
Greenwood.....	72.73	84.30	61.34	63.35	73.14	60.96	60.69	51.99	62.41		
Dallas.....	66.91	80.65	58.32	61.62	70.79	58.94	58.96	51.03	61.14		
Lubbock.....	66.43	79.66	57.96	60.84	70.35	58.93	59.17	51.20	61.09		
Phoenix.....	71.98	81.70	59.93	63.17	74.13	61.57	59.84	55.38	65.69		
Fresno.....	73.76	82.80	61.02	64.49	77.02	61.29	60.85	60.97	66.02		
Average.....	71.48	82.99	60.48	63.08	73.11	60.51	60.01	53.16	63.13		

<sup>1</sup> Year beginning August. Prices are for mixed lots, net weight, uncompressed in warehouse.

<sup>2</sup> Eleven month average, Sept. 1988-July 1989.

Agricultural Marketing Service.

**Table 101.—Cotton: Average charge per 480-pound net weight bale to farmers for ginning cotton (including bagging and ties), by States, 1982-87<sup>1</sup>**

Kind of cotton and State	1982	1983	1984	1985	1986	1987
Upland:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	33.70	36.46	36.27	37.76	37.04	36.85
AZ.....	42.87	43.17	40.16	40.70	40.33	40.31
AK.....	37.61	41.12	40.82	38.94	37.19	38.72
CA.....	48.59	50.15	49.84	48.91	48.62	48.44
GA.....	44.50	43.34	42.98	42.89	42.41	42.53
LA.....	35.32	35.24	38.43	38.46	37.20	37.41
MS.....	36.00	38.54	37.62	36.59	37.16	37.64
MO.....	39.99	41.90	39.49	37.39	39.76	41.25
NM.....	47.02	49.72	51.85	54.26	52.80	55.31
NC.....	44.50	45.40	46.18	45.42	45.83	45.72
OK.....	47.35	46.35	50.15	48.57	50.35	50.60
SC.....	42.75	41.11	41.52	42.97	42.81	43.04
TN.....	33.86	39.50	39.71	38.78	34.69	34.80
TX.....	49.01	50.20	52.48	50.18	52.92	53.81
All upland cotton.....	43.46	45.87	45.64	44.86	44.91	45.82
American Pima.....	59.00	62.00	60.00	61.00	n.a.	n.a.

<sup>1</sup> Crop year beginning Aug. 1. Includes bagging and ties, drying of seed cotton, and use of lint cleaners. n.a. not available.

Economic Research Service.

**Table 102.—Cotton linters: Supply, distribution, season average price, United States, 1975-88**

Year beginning August	Supply				Distribution		Price per pound <sup>1</sup>		
	Stocks Aug. 1	Production	Imports	Total	Con- sumption	Exports	Felting linters		Chemical grade
							High grade	Medium grade	
	<i>1,000 bales<sup>2</sup></i>	<i>1,000 bales<sup>2</sup></i>	<i>1,000 bales<sup>3</sup></i>	<i>1,000 bales<sup>2</sup></i>	<i>1,000 bales<sup>2</sup></i>	<i>1,000 bales<sup>4</sup></i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1975.....	487	847	25	1,360	838	182	9.90	6.56	4.25
1976.....	445	983	70	1,498	999	210	10.26	7.36	3.75-7.25
1977.....	279	1,174	50	1,504	970	239	9.85	7.12	5.25-6.87
1978.....	282	1,077	60	1,419	980	263	11.92	9.70	7.00-8.60
1979.....	229	1,129	80	1,438	897	276	15.34	12.63	11.56-13.36
1980.....	316	1,097	40	1,452	832	261	14.46	9.52	9.00-11.82
1981.....	356	1,210	22	1,588	823	267	13.28	7.88	6.04-9.24
1982.....	476	1,029	23	1,524	812	277	12.75	8.50	5.42-9.83
1983 <sup>3</sup> .....	287	699	77	1,063	783	106	33.77	28.68	22.10-26.85
1984.....	215	955	107	1,277	737	141	18.36	13.30	10.68-16.11
1985.....	315	936	116	1,367	710	119	<sup>5</sup> 15.35	<sup>5</sup> 9.84	<sup>5</sup> 5.70-8.05
1986.....	509	669	128	1,306	788	90	<sup>6</sup> 12.75-21.00		<sup>6</sup> 6.50-14.00
1987.....	360	868	109	1,337	918	110	13.50-22.00		8.00-15.00
1988 <sup>7</sup> .....	322								

<sup>1</sup> Uncompressed in carload lots, f.o.b. mill points.

<sup>2</sup> Running bales.

<sup>3</sup> Imports are in 500 pound gross weight bales prior to 1982 and in 634 pound equivalent bales thereafter.

<sup>4</sup> Exports are in running bales prior to 1982 and in 634 pound equivalent bales thereafter.

<sup>5</sup> Ten-month average, Aug. 1985 thru May 1986.

<sup>6</sup> Six months, Feb. thru July 1987, low to high range reported.

<sup>7</sup> Preliminary.

Agricultural Marketing Service. Supply and distribution figures compiled from reports of the Bureau of the Census.

Table 103.—Cotton: Supply and distribution, by countries, 1987-88

Country	Begin- ning stocks Aug. 1 <sup>1</sup>	Produc- tion	Imports	Total supply	Consump- tion <sup>2</sup>	Exports	Ending stocks July 31 <sup>1</sup>	Total distribu- tion
	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
<b>Exporting countries:</b>								
Mexico.....	152	1,010	15	1,177	600	375	197	1,177
Nicaragua.....	82	163	0	245	16	175	54	245
El Salvador.....	69	46	32	147	70	9	68	147
Guatemala.....	13	220	14	247	69	133	45	247
Argentina.....	146	1,295	92	1,533	575	253	682	1,533
Brazil.....	2,941	3,514	197	6,652	3,628	597	2,427	6,652
Colombia.....	202	614	1	817	260	251	300	817
Paraguay.....	149	804	0	953	46	735	162	953
Peru.....	363	492	9	864	380	14	470	864
Honduras.....	18	13	0	31	11	2	18	31
Angola.....	7	20	0	27	15	5	7	27
Central African Republic.....	15	34	0	49	10	30	9	49
Cameroon.....	68	207	0	275	50	200	25	275
Malawi.....	18	50	0	68	25	15	28	68
Zimbabwe.....	80	542	0	622	150	325	133	622
Sudan.....	889	613	0	1,502	53	825	624	1,502
Uganda.....	15	85	0	100	25	40	35	100
Egypt.....	40	1,614	179	1,833	1,361	436	36	1,833
Tanzania.....	212	374	0	586	65	178	343	586
Mozambique.....	42	70	0	112	35	45	32	112
Other Africa.....	414	1,746	0	2,160	274	1,495	391	2,160
Afghanistan.....	37	100	0	137	60	40	37	137
Iran.....	131	478	0	609	528	8	73	609
Israel.....	149	271	69	489	66	238	171	489
Pakistan.....	923	6,764	4	7,691	3,619	2,358	1,515	7,691
Syria.....	136	542	0	678	322	151	205	678
Turkey.....	480	2,465	300	3,245	2,618	197	430	3,245
Other Asia.....	10	65	0	75	21	45	9	75
Australia.....	401	1,291	4	1,696	107	818	771	1,696
United States.....	5,026	14,760	2	19,788	7,617	6,582	5,771	19,788
Soviet Union.....	1,971	11,345	383	13,699	9,000	3,457	1,242	13,699
China.....	9,795	19,500	86	29,382	20,500	2,322	6,559	29,382
India.....	1,428	7,105	78	8,611	7,613	16	982	8,611
<b>Total exporting countries.....</b>	<b>26,422</b>	<b>78,212</b>	<b>1,465</b>	<b>106,099</b>	<b>59,789</b>	<b>22,370</b>	<b>23,851</b>	<b>106,099</b>

See footnotes at end of table.

Table 103.—Cotton: Supply and distribution, by countries, 1987-88—Continued

Country	Begin- ning stocks Aug. 1 <sup>1</sup>	Produc- tion	Imports	Total supply	Consump- tion <sup>2</sup>	Exports	Ending stocks July 31 <sup>1</sup>	Total distribu- tion
	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
<b>Importing countries:</b>								
Canada .....	18	0	210	228	210	0	18	228
Chile .....	29	0	75	104	75	0	29	104
Other Western Hemisphere .....	147	201	311	659	492	2	165	659
Austria .....	13	0	119	132	115	5	12	132
Belgium .....	74	0	210	284	200	15	69	284
Finland .....	23	0	50	73	50	0	23	73
France .....	210	0	735	945	695	47	203	945
Germany, Fed. Rep. of .....	450	0	976	1,426	1,055	75	296	1,426
Greece .....	236	808	350	1,394	780	125	489	1,394
Italy .....	349	0	1,423	1,772	1,378	0	394	1,772
Netherlands .....	17	0	50	67	50	2	15	67
Portugal .....	204	0	852	1,056	853	0	203	1,056
Spain .....	422	380	519	1,321	693	102	526	1,321
Sweden .....	9	0	25	34	25	0	9	34
Switzerland .....	186	0	387	573	376	3	194	573
United Kingdom .....	121	0	245	366	216	7	143	366
Yugoslavia .....	117	1	545	663	541	0	122	663
Other Europe .....	673	55	3,307	4,035	3,240	10	705	4,035
Hong Kong .....	289	0	1,206	1,495	871	345	279	1,495
Japan .....	758	0	3,431	4,189	3,477	0	712	4,189
Korea, Rep. of .....	558	1	1,957	2,516	1,995	0	521	2,516
Philippines .....	104	24	210	338	249	0	89	338
Taiwan .....	942	0	1,608	2,550	1,791	0	759	2,550
Other Asia .....	908	370	2,787	4,065	3,321	76	629	4,065
Ethiopia .....	9	90	0	99	90	0	9	99
Nigeria .....	35	138	110	283	248	0	35	283
South Africa .....	150	355	80	585	358	0	227	585
Other Africa .....	108	199	465	772	638	36	98	772
<b>Total importing countries .....</b>	<b>7,159</b>	<b>2,622</b>	<b>22,243</b>	<b>32,024</b>	<b>24,082</b>	<b>850</b>	<b>6,973</b>	<b>32,024</b>
<b>World total .....</b>	<b>33,581</b>	<b>80,834</b>	<b>23,708</b>	<b>138,123</b>	<b>83,871</b>	<b>23,220</b>	<b>30,824</b>	<b>138,123</b>
<b>Foreign (all countries) .....</b>	<b>28,555</b>	<b>66,074</b>	<b>23,706</b>	<b>118,335</b>	<b>76,254</b>	<b>16,638</b>	<b>25,053</b>	<b>118,335</b>

<sup>1</sup> Estimates for Southern Hemisphere countries include unginned cotton.

<sup>2</sup> Includes cotton destroyed or unaccounted for.

<sup>3</sup> Bales of 480 pounds net (500 pounds gross).

<sup>4</sup> Includes pre-season ginnings.

<sup>5</sup> Imports for consumptions.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.



**Table 104.—Sugarbeets: Area, yield, production, marketing year average price per ton received by farmers, value, and sugar production, United States, 1974–88<sup>1</sup>**

Year	Area		Yield per harvested acre	Production	Price <sup>2</sup>	Value of production	Sugar production	
	Planted	Harvested					Raw value	Refined basis <sup>3</sup>
	1,000 acres	1,000 acres	Tons	1,000 tons	Dollars	1,000 dollars	1,000 tons	1,000 tons
1974.....	1,251.5	1,212.6	18.2	22,123	46.80	1,035,567	2,916	2,725
1975.....	1,595.0	1,516.6	19.6	29,704	27.60	820,743	4,019	3,756
1976.....	1,525.4	1,478.8	19.9	29,386	21.00	616,813	3,895	3,640
1977.....	1,272.6	1,216.2	20.6	25,007	24.20	604,399	3,108	2,905
1978.....	1,305.4	1,269.2	20.3	25,788	25.20	649,846	3,289	3,074
1979.....	1,160.7	1,119.7	19.6	21,996	33.90	745,273	2,879	2,691
1980.....	1,231.3	1,189.5	19.8	23,502	47.20	1,108,974	3,149	2,943
1981.....	1,251.6	1,228.1	22.4	27,538	29.20	803,569	3,388	3,166
1982.....	1,054.2	1,026.8	20.3	20,894	35.40	740,342	2,737	2,558
1983.....	1,081.4	1,055.8	19.9	20,992	37.00	777,718	2,699	2,522
1984.....	1,123.6	1,096.3	20.2	22,134	33.90	750,162	2,905	2,715
1985.....	1,124.5	1,102.5	20.4	22,529	33.80	761,236	3,033	2,835
1986.....	1,231.5	1,191.2	21.1	25,162	35.90	902,199	3,281	3,066
1987.....	1,266.7	1,252.4	22.4	28,072	38.20	1,073,584	3,333	3,115
1988 <sup>4</sup> .....	1,327.2	1,300.7	19.1	24,810	41.10	1,019,691	3,398	3,176

<sup>1</sup> Relates to year of intended harvest except for overwintered spring planted beets in California.

<sup>2</sup> Prices do not include Government payments under the Sugar Act.

<sup>3</sup> Calculated on the basis that 1.07 tons of raw sugar is required to produce one ton of refined sugar.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 105.—Sugarbeets: Area, yield, and production, by States, 1986–88<sup>1</sup>**

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
CA.....	192.0	219.0	215.0	188.0	216.0	212.0	25.7	28.2	25.0	4,832	6,091	5,300
CO.....	37.8	37.4	39.1	37.2	37.0	38.6	23.9	21.7	22.8	889	803	880
ID.....	161.0	163.0	168.0	160.0	162.0	166.0	25.7	26.4	24.6	4,112	4,277	4,084
MI.....	137.0	144.0	152.0	110.0	142.0	145.0	20.8	20.5	16.5	2,288	2,911	2,393
MN.....	315.0	311.0	339.0	311.0	310.0	334.0	16.7	20.0	14.2	5,194	6,200	4,743
MT.....	47.2	49.2	49.6	46.8	48.9	48.9	21.7	22.2	21.1	1,016	1,086	1,032
NE.....	59.9	61.6	63.9	59.0	60.2	62.2	23.5	18.3	21.2	1,387	1,102	1,319
NM.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ND.....	164.8	163.3	177.8	163.8	161.3	175.5	17.9	19.6	14.7	2,932	3,161	2,580
OH.....	15.6	16.8	17.3	15.0	16.2	14.7	20.6	16.6	15.9	309	269	234
OR.....	13.0	13.9	14.3	12.9	13.7	14.1	29.0	30.8	26.7	374	422	376
TX.....	37.2	32.8	34.0	37.0	31.5	33.0	22.4	19.7	21.9	829	621	723
WY.....	51.0	54.1	56.5	50.5	53.4	56.0	19.8	21.1	20.3	1,000	1,127	1,137
US.....	1,231.5	1,266.7	1,327.2	1,191.2	1,252.4	1,300.7	21.1	22.4	19.1	25,162	28,072	24,810

<sup>1</sup> Relates to year of intended harvest except for overwintered spring planted beets in California.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 106.—Sugarbeets: Production and value, by States, crop of 1987<sup>1</sup>

State	Production	Marketing year average price per ton received by farmers	Value of production	State	Production	Marketing year average price per ton received by farmers	Value of production
	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
CA.....	6,091	33.60	204,658	ND.....	3,161	43.90	138,768
CO.....	803	35.40	28,426	OH.....	269	32.90	8,850
ID.....	4,277	38.70	165,520	OR.....	422	36.60	15,445
MI.....	2,911	31.00	90,241	TX.....	621	33.50	20,804
MN.....	6,200	43.80	271,560	WY.....	1,127	39.30	44,291
MT.....	1,086	42.20	45,829	US.....	28,072	38.20	1,073,584
NE.....	1,102	35.50	39,121				
NM.....	2	35.50	71				

<sup>1</sup> Relates to year of intended harvest except for overwintered spring planted beets in California.

National Agricultural Statistics Service.

Table 107.—Sugarbeet seed: Area, yield, production, average price per pound received by farmers, and value, United States, 1974–88

Year	Area harvested	Yield per acre	Production	Average price per pound received by farmers	Value of production
	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974.....	1,983	2,556	50,685	21.67	1,099
1975.....	4,625	2,437	112,729	34.46	3,885
1976.....	6,748	2,630	177,494	38.55	6,842
1977.....	4,915	2,726	133,985	38.26	5,126
1978.....	3,153	2,266	71,443	37.12	2,652
1979.....	3,074	2,374	72,964	36.00	2,627
1980.....	3,329	2,439	81,218	38.00	3,086
1981.....	6,442	2,675	172,324	41.36	7,128
1982.....	5,923	2,989	177,061	44.34	7,851
1983.....	4,355	2,390	104,091	45.23	4,708
1984.....	4,204	2,426	101,973	46.60	4,752
1985.....	4,957	2,348	141,166	47.87	6,757
1986.....	4,442	2,997	133,133	49.26	6,558
1987.....	3,913	3,139	122,846	48.29	5,932
1988.....	3,941	2,506	98,759	48.73	4,813

Science and Education Administration. Data on domestic production compiled from reports furnished by beet sugar companies and their subsidiaries, and by others engaged in sugarbeet seed production.

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Table 108.—Sugarbeets: Area, yield, and production in specified countries, 1986/87–1988/89

Continent and country	Area harvested			Yield per hectare			Production <sup>2</sup>		
	1986/87	1987/88	1988/89 <sup>1</sup>	1986/87	1987/88	1988/89 <sup>1</sup>	1986/87	1987/88	1988/89 <sup>1</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada.....	23	22	21	41.1	45.0	34.5	945	989	725
United States.....	482	506	526	47.4	50.3	42.8	22,825	25,466	22,507
<b>Total.....</b>	<b>505</b>	<b>528</b>	<b>547</b>	<b>47.1</b>	<b>50.1</b>	<b>42.5</b>	<b>23,770</b>	<b>26,455</b>	<b>23,232</b>
<b>South America:</b>									
Argentina.....	1	0	0	9.0			9	0	0
Chile.....	81	57	49	39.1	53.4	59.2	3,171	3,046	2,903
Uruguay.....	9	6	4	31.4	30.8	35.5	283	185	142
<b>Total.....</b>	<b>91</b>	<b>63</b>	<b>53</b>	<b>38.1</b>	<b>51.3</b>	<b>57.5</b>	<b>3,463</b>	<b>3,231</b>	<b>3,045</b>
<b>Europe:</b>									
Belgium and Luxembourg.....	118	116	115	53.0	51.8	56.0	6,252	6,010	6,443
Denmark.....	70	67	68	45.6	39.3	49.7	3,195	2,632	3,379
France.....	421	450	432	50.8	53.6	57.8	21,387	24,115	24,987
Germany, Fed. Rep. of.....	399	384	386	50.7	49.6	48.2	20,233	19,049	18,590
Greece.....	44	28	38	58.2	59.0	58.7	2,562	1,652	2,230
Ireland.....	36	37	33	35.4	43.9	40.3	1,274	1,623	1,330
Italy.....	277	285	266	53.2	53.1	49.2	14,735	15,137	13,100
Netherlands.....	138	128	123	55.8	54.1	51.6	7,707	6,920	6,350
United Kingdom.....	202	201	200	40.2	39.8	42.5	8,120	7,990	8,500
<b>Total EC.....</b>	<b>1,886</b>	<b>1,862</b>	<b>1,840</b>	<b>49.4</b>	<b>49.9</b>	<b>51.1</b>	<b>93,185</b>	<b>92,849</b>	<b>93,995</b>
Austria.....	28	39	38	56.1	54.6	50.9	1,571	2,128	1,934
Finland.....	31	30	30	27.2	15.4	33.5	843	461	1,005
Portugal.....	1	1	0	19.0	21.0		19	21	10
Spain.....	180	165	179	42.8	46.7	50.7	7,701	7,700	9,076
Sweden.....	51	51	51	42.9	33.3	47.8	843	461	1,005
Switzerland.....	14	15	15	54.4	55.0	61.6	2,188	1,697	2,439
<b>Total Other West Europe.....</b>	<b>124</b>	<b>135</b>	<b>134</b>	<b>43.3</b>	<b>37.9</b>	<b>47.0</b>	<b>5,364</b>	<b>5,111</b>	<b>6,302</b>
<b>Albania.....</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>26.5</b>	<b>26.5</b>	<b>26.5</b>	<b>265</b>	<b>265</b>	<b>265</b>
Bulgaria.....	53	53	53	26.4	26.4	26.4	1,400	1,400	1,400
Czechoslovakia.....	208	208	208	36.1	36.1	36.1	7,500	7,500	7,500
German Dem. Rep.....	205	219	198	34.4	35.1	23.3	7,052	7,683	4,619
Hungary.....	95	105	105	37.0	38.1	38.1	3,515	4,000	4,000
Poland.....	423	422	412	33.6	33.1	34.2	14,217	13,989	14,100
Romania.....	270	266	245	26.2	26.9	25.3	7,082	7,149	6,200
Yugoslavia.....	138	164	131	40.6	38.0	34.8	5,599	6,238	4,558
<b>Total Eastern Europe.....</b>	<b>1,402</b>	<b>1,447</b>	<b>1,362</b>	<b>33.3</b>	<b>33.3</b>	<b>31.3</b>	<b>46,630</b>	<b>48,224</b>	<b>42,642</b>
<b>Soviet Union.....</b>	<b>3,400</b>	<b>3,404</b>	<b>3,364</b>	<b>23.3</b>	<b>26.6</b>	<b>26.1</b>	<b>79,300</b>	<b>90,405</b>	<b>87,800</b>
<b>North Africa:</b>									
Algeria.....	6	6	6	18.3	18.3	18.3	110	110	110
Egypt.....	14	16	17	40.2	44.6	43.5	563	714	740
Morocco.....	55	61	61	48.0	44.9	49.0	2,638	2,736	2,990
Tunisia.....	6	6	6	38.3	37.5	37.5	230	225	225
<b>Total.....</b>	<b>81</b>	<b>89</b>	<b>90</b>	<b>43.7</b>	<b>42.5</b>	<b>45.2</b>	<b>3,541</b>	<b>3,785</b>	<b>4,065</b>
<b>Middle East:</b>									
Iran.....	100	100	100	25.0	25.0	25.0	2,500	2,500	2,500
Lebanon.....	2	2	2	25.0	25.0	25.0	50	50	50
Syria.....	16	16	10	27.7	28.1	25.0	443	450	250
Turkey.....	347	378	315	30.7	32.8	34.4	10,660	12,400	10,850
<b>Total.....</b>	<b>465</b>	<b>496</b>	<b>427</b>	<b>29.4</b>	<b>31.0</b>	<b>32.0</b>	<b>13,653</b>	<b>15,400</b>	<b>13,650</b>
<b>Asia:</b>									
Afghanistan.....	3	3	3	11.7	11.7	11.7	35	35	35
China.....	520	498	708	16.0	16.3	18.8	8,306	8,140	13,300
Japan.....	72	71	72	53.6	53.9	53.5	3,862	3,827	3,849
Pakistan.....	13	12	14	10.8	38.0	39.3	140	456	550
<b>Total.....</b>	<b>608</b>	<b>584</b>	<b>797</b>	<b>20.3</b>	<b>21.3</b>	<b>22.3</b>	<b>12,343</b>	<b>12,458</b>	<b>17,734</b>
<b>Grand total.....</b>	<b>8,562</b>	<b>8,608</b>	<b>8,614</b>	<b>32.8</b>	<b>34.6</b>	<b>34.0</b>	<b>281,249</b>	<b>297,918</b>	<b>292,465</b>

<sup>1</sup> Preliminary. <sup>2</sup> Quantity for processing.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 109.—Sugarcane for sugar and seed: Area, yield, production, value, and production of cane sugar and molasses, United States, 1974-88

Year <sup>1</sup>	Area harvested			Yield of cane per acre			Production		
	For sugar	For seed	Total	For sugar	For seed	For sugar and seed	For sugar	For seed	Total
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
1974	689.9	44.2	734.1	34.8	25.1	34.2	24,031	1,109	25,140
1975	734.7	39.3	774.0	37.2	26.4	36.6	27,306	1,038	28,344
1976	704.0	43.0	747.0	38.2	27.9	37.6	26,919	1,201	28,120
1977	719.3	40.1	759.4	35.8	27.4	35.3	25,730	1,100	26,830
1978	699.8	43.9	743.7	35.5	26.8	35.0	24,821	1,176	25,997
1979	689.7	43.0	732.7	36.8	26.1	36.2	25,410	1,122	26,532
1980	683.6	49.1	732.7	37.4	28.1	36.8	25,582	1,381	26,963
1981	715.6	39.8	755.4	36.6	31.2	36.3	26,165	1,243	27,408
1982	700.4	41.3	741.7	40.6	32.0	40.1	28,449	1,321	29,770
1983	733.4	34.3	767.7	37.1	28.0	36.7	27,201	960	28,161
1984	700.7	46.6	747.3	37.1	28.6	36.6	26,008	1,332	27,340
1985	722.8	47.2	770.0	37.2	28.3	36.6	26,877	1,386	28,263
1986	750.7	45.5	796.2	38.5	30.2	38.1	28,936	1,375	30,311
1987	778.3	45.3	823.6	36.0	26.3	35.5	28,026	1,192	29,218
1988 <sup>2</sup>	793.6	51.7	845.3	35.9	27.6	35.4	28,479	1,425	29,904

  

Year <sup>1</sup>	Marketing year average price received by farmers per ton of sugar <sup>3</sup>	Value of production		Sugar production			Molasses <sup>7</sup>
		Of cane used for sugar	Of cane used for sugar and seed <sup>4</sup>	Raw value <sup>5</sup>		Refined basis <sup>6</sup>	
				Total	Per ton of cane		
	Dollars	1,000 dollars	1,000 dollars	1,000 tons	Pounds	1,000 tons	1,000 gallons
1974	48.60	1,166,809	1,221,232	2,512	212	2,347	156,355
1975	21.50	586,622	607,895	2,934	214	2,743	178,988
1976	15.20	408,403	425,342	2,724	202	2,545	180,730
1977	17.70	454,217	474,257	2,684	209	2,508	164,894
1978	19.50	483,905	506,851	2,612	210	2,441	161,810
1979	26.00	661,212	690,544	2,700	213	2,524	164,581
1980	38.50	984,559	1,035,990	2,728	218	2,550	168,341
1981	24.90	650,721	681,983	2,833	217	2,647	182,656
1982	26.50	755,038	789,896	3,063	215	2,863	177,041
1983	27.80	755,574	781,393	2,930	215	2,739	175,875
1984	28.20	734,026	769,934	3,007	231	2,811	175,573
1985	26.70	717,690	751,550	3,033	226	2,835	178,539
1986	27.30	788,678	824,724	3,281	227	3,066	185,970
1987	29.30	822,376	857,415	3,333	238	3,115	183,866
1988 <sup>2</sup>	29.30	834,435	876,187	3,398	239	3,176	191,208

<sup>1</sup> In Hawaii, harvest continues throughout the year and production statistics are on a calendar year basis. In other states, harvest is seasonal and the production statistics year relates to the year in which the season begins.

<sup>2</sup> Preliminary.

<sup>3</sup> Prices do not include Government payments under the Sugar Act.

<sup>4</sup> Price per ton of cane for sugar used in evaluating value of production for seed.

<sup>5</sup> Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.

<sup>6</sup> Calculated on the basis that 100 pounds of raw sugar is required to produce 93.46 pounds of refined sugar.

<sup>7</sup> Excludes edible.

National Agricultural Statistics Service.

Table 110.—Sugarcane for sugar and seed: Area, yield, production, and production of cane sugar and molasses, by States, 1986-88

State	Sugarcane for sugar and seed <sup>1</sup>								
	Area harvested			Yield of cane per acre			Cane production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
For sugar:									
FL.....	390.0	402.0	404.0	33.1	32.3	31.6	12,916	12,990	12,766
HI.....	83.6	79.5	78.9	100.2	100.8	96.4	8,379	8,014	7,606
LA.....	248.0	263.0	279.0	27.3	22.7	25.3	6,770	5,970	7,050
TX.....	29.1	33.8	31.7	31.7	31.1	33.3	871	1,052	1,057
US.....	750.7	778.3	793.6	38.5	36.0	35.9	28,936	28,026	28,479
For seed:									
FL.....	15.0	15.0	17.0	35.3	31.9	31.6	530	479	538
HI.....	6.6	7.0	7.2	31.5	25.8	27.5	208	181	198
LA.....	22.0	22.0	26.0	27.3	22.7	25.3	601	499	658
TX.....	1.9	1.3	1.5	18.9	25.4	20.7	36	33	31
US.....	45.5	45.3	51.7	30.2	26.3	27.6	1,375	1,192	1,425
For sugar and seed:									
FL.....	405.0	417.0	421.0	33.2	32.3	31.6	13,446	13,469	13,304
HI.....	90.2	86.5	86.1	95.2	94.7	90.6	8,587	8,195	7,804
LA.....	270.0	285.0	305.0	27.3	22.7	25.3	7,371	6,469	7,708
TX.....	31.0	35.1	33.2	29.3	30.9	32.8	907	1,085	1,088
US.....	796.2	823.6	845.3	38.1	35.5	35.4	30,311	29,218	29,904

State	Products of cane harvested for sugar											
	Sugar per ton of cane (raw value <sup>3</sup> )			Sugar produced (raw value <sup>3</sup> )			Equivalent refined <sup>4</sup>			Molasses <sup>5</sup>		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>Lb.</i>	<i>Lb.</i>	<i>Lb.</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
FL.....	229	234	245	1,476	1,517	1,566	1,379	1,418	1,464	92,379	90,145	92,246
HI.....	149	244	244	1,043	979	928	975	915	867	<sup>6</sup> 50,385	<sup>6</sup> 49,000	<sup>6</sup> 47,420
LA.....	198	245	226	671	731	797	627	683	745	35,850	35,820	41,550
TX.....	209	202	202	91	106	107	85	99	100	6,856	8,901	9,992
US.....	227	238	239	3,281	3,333	3,398	3,066	3,115	3,176	185,970	183,866	191,208

<sup>1</sup> In Hawaii, harvest continues throughout the year and production statistics are on a calendar year basis. In other states, harvest is seasonal and the production statistics year relates to the year in which the season begins.

<sup>2</sup> Preliminary. <sup>3</sup> Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.

<sup>4</sup> Calculated on the basis that 100 pounds of raw sugar is required to produce 93.46 pounds of refined sugar.

<sup>5</sup> Blackstrap (80° Brix) high-test molasses from frozen cane and edible molasses. <sup>6</sup> 85° brix.

National Agricultural Statistics Service.

Table 111.—Sugarcane for sugar and seed: Production and value, by States, crop of 1987

State	Sugar			Sugar and seed: Value of production <sup>1</sup>
	Production	Price per ton	Value of production	
	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
FL.....	13,469	30.90	401,391	416,192
HI.....	8,195	27.20	217,981	222,904
LA.....	6,469	28.70	171,339	185,660
TX.....	1,085	30.10	31,665	32,659
Total.....	29,218	29.30	822,376	857,415

<sup>1</sup> Price per ton of cane for sugar used in evaluating value of production for seed.

National Agricultural Statistics Service.

Table 112.—Sugarcane: Area, yield, and production in specified countries, 1986/87-1988/89

Continent and country	Area			Yield per hectare			Production <sup>2</sup>		
	1986/87	1987/88	1988/89 <sup>1</sup>	1986/87	1987/88	1988/89 <sup>1</sup>	1986/87	1987/88	1988/89 <sup>1</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Mexico.....	597	561	580	69.3	66.4	70.7	41,372	37,244	41,000
Hawaii.....	34	32	32	223.6	227.2	215.6	7,601	7,270	6,900
United States.....	270	283	289	69.1	64.2	65.5	18,649	18,156	18,936
<b>Total.....</b>	<b>901</b>	<b>876</b>	<b>901</b>	<b>75.1</b>	<b>71.5</b>	<b>74.2</b>	<b>67,622</b>	<b>62,670</b>	<b>66,836</b>
<b>South America:</b>									
Argentina.....	160	185	195	60.0	58.4	61.5	9,601	10,800	12,000
Brazil.....	1,950	1,950	1,950	51.3	46.2	46.2	100,000	90,000	90,000
Colombia.....	101	102	103	124.2	118.6	128.5	12,540	12,100	13,240
Ecuador.....	42	43	40	65.9	72.0	72.5	2,768	3,095	2,900
Peru.....	50	52	53	129.6	125.0	118.9	6,480	6,500	6,300
Venezuela.....	103	116	112	68.7	70.0	71.4	7,071	8,121	8,000
Other South America.....	175	163	151	53.0	52.5	54.1	9,267	8,550	8,170
<b>Total.....</b>	<b>2,581</b>	<b>2,611</b>	<b>2,604</b>	<b>57.2</b>	<b>53.3</b>	<b>54.0</b>	<b>147,727</b>	<b>139,166</b>	<b>140,610</b>
<b>Central America:</b>									
Belize.....	24	24	24	37.0	36.0	36.0	889	863	863
Costa Rica.....	32	31	30	73.7	80.0	73.3	2,357	2,479	2,200
El Salvador.....	41	37	33	72.2	62.0	63.2	2,959	2,295	2,086
Guatemala.....	88	97	100	71.9	72.3	72.6	6,324	7,014	7,258
Honduras.....	26	24	25	92.3	81.3	82.0	2,400	1,950	2,050
Nicaragua.....	40	40	35	70.0	70.0	71.4	2,800	2,800	2,500
Panama.....	24	20	22	53.9	57.6	53.0	1,293	1,152	1,166
<b>Total.....</b>	<b>275</b>	<b>273</b>	<b>269</b>	<b>69.2</b>	<b>68.0</b>	<b>67.4</b>	<b>19,022</b>	<b>18,553</b>	<b>18,123</b>
<b>Caribbean:</b>									
Barbados.....	13	12	11	53.0	58.3	61.4	689	699	675
Cuba.....	1,300	1,300	1,350	53.8	50.0	54.9	70,000	65,000	74,100
Dominican Rep.....	180	170	170	47.4	48.5	52.6	8,525	8,250	8,950
Haiti.....	50	50	50	10.5	10.5	10.5	525	525	525
Jamaica.....	36	37	39	55.4	69.3	65.3	1,995	2,564	2,548
Puerto Rico.....	20	23	21	54.8	54.8	56.0	1,096	1,260	1,175
Other Caribbean.....	54	44	44	39.7	54.3	54.4	2,143	2,387	2,393
<b>Total.....</b>	<b>1,653</b>	<b>1,636</b>	<b>1,685</b>	<b>51.4</b>	<b>49.3</b>	<b>53.6</b>	<b>84,973</b>	<b>80,685</b>	<b>90,366</b>
<b>West Europe:</b>									
Spain.....	2	2	2	75.0	75.0	75.0	150	150	150
<b>Africa:</b>									
Egypt.....	82	84	86	94.7	96.7	95.2	7,769	8,120	8,190
Kenya.....	40	40	40	92.5	92.5	92.5	3,700	3,700	3,700
Zimbabwe.....	33	33	31	125.3	110.6	116.8	4,135	3,651	3,622
South Africa.....	270	295	300	68.8	71.4	62.7	18,570	21,066	18,800
Other Africa.....	342	337	344	62.2	63.0	63.8	21,264	21,242	21,949
Mauritius.....	80	80	80	75.0	75.0	75.0	6,000	6,000	6,000
Sudan.....	40	40	40	112.5	112.5	112.5	4,500	4,500	4,500
Swaziland.....	35	35	35	119.6	108.6	108.6	4,187	3,800	3,800
<b>Total.....</b>	<b>922</b>	<b>944</b>	<b>956</b>	<b>76.1</b>	<b>76.4</b>	<b>73.8</b>	<b>70,125</b>	<b>72,079</b>	<b>70,561</b>
<b>Asia:</b>									
Bangladesh.....	86	87	88	46.5	47.1	47.7	3,995	4,100	4,200
China.....	950	859	912	52.9	55.1	53.8	50,219	47,363	49,100
Indonesia.....	310	334	322	77.0	63.7	58.7	23,870	21,270	18,890
India.....	3,055	3,290	3,350	59.7	58.4	58.2	182,480	192,000	195,000
Japan.....	35	35	34	63.9	67.8	68.0	2,238	2,372	2,313
Pakistan.....	369	518	512	39.3	39.2	41.0	14,485	20,300	21,000
Philippines.....	270	270	300	49.3	58.1	58.3	13,300	15,700	17,500
Thailand.....	554	571	630	44.1	47.6	57.1	24,441	27,189	36,000
Taiwan.....	58	67	62	83.3	95.7	95.2	4,831	6,413	5,900
Other Asia.....	41	48	50	70.9	62.4	61.8	2,905	2,996	3,090
<b>Total.....</b>	<b>5,814</b>	<b>6,166</b>	<b>6,348</b>	<b>56.0</b>	<b>55.8</b>	<b>56.3</b>	<b>322,764</b>	<b>339,703</b>	<b>352,993</b>
<b>Oceania:</b>									
Australia.....	310	321	317	82.0	78.4	85.3	25,413	25,158	27,040
Fiji.....	60	60	60	67.8	66.7	66.7	4,070	4,000	4,000
<b>Total.....</b>	<b>370</b>	<b>381</b>	<b>377</b>	<b>79.7</b>	<b>76.5</b>	<b>82.3</b>	<b>29,483</b>	<b>29,158</b>	<b>31,040</b>
<b>Grand total.....</b>	<b>12,487</b>	<b>12,857</b>	<b>13,109</b>	<b>59.6</b>	<b>57.9</b>	<b>58.9</b>	<b>743,766</b>	<b>744,064</b>	<b>772,579</b>

<sup>1</sup> Preliminary. <sup>2</sup> Quantity for processing.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 113.—Sugar: Production in specified countries, 1986/87-1988/89 <sup>1</sup>

Continent and country	1986/87	1987/88	1988/89 <sup>2</sup>	Continent and country	1986/87	1987/88	1988/89 <sup>2</sup>
<b>CENTRIFUGAL SUGAR (raw value) <sup>3</sup></b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>	<b>CENTRIFUGAL SUGAR (raw value) <sup>3</sup></b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>
<b>North and Central America and Caribbean (cane):</b>				<b>Switzerland .....</b>	129	123	150
Barbados .....	83	80	77	<b>Total Western Europe .....</b>	939	847	1,029
Belize .....	86	85	85	Albania .....	35	30	30
Canada (beet) .....	118	129	108	Bulgaria .....	113	140	100
Costa Rica .....	230	219	211	Czechoslovakia .....	862	800	700
Cuba .....	7,220	7,400	8,100	German Dem. Rep. ....	733	768	575
Dominican Republic ..	815	777	876	Hungary .....	506	450	400
El Salvador .....	277	189	173	Poland .....	1,891	1,823	1,815
Guadeloupe .....	71	88	100	Romania .....	600	450	450
Guatemala .....	658	691	729	Yugoslavia .....	870	946	660
Haiti .....	39	40	40	<b>Total Eastern Europe ..</b>	5,610	5,407	4,730
Honduras .....	200	173	197	<b>Total Europe .....</b>	21,538	20,414	20,552
Jamaica .....	192	221	204	<b>Soviet Union (beet) .....</b>	8,700	9,560	8,900
Martinique .....	1	1	1	<b>Africa (cane):</b>			
Mexico .....	3,970	3,806	3,500	Angola .....	35	35	35
Nicaragua .....	240	225	200	Egypt .....	989	907	955
Panama .....	123	107	110	Ethiopia .....	167	170	170
St. Kitts-Nevis .....	32	32	32	Kenya .....	366	413	412
Trinidad and Tobago ..	84	91	95	Madagascar .....	111	114	114
United States:				Mauritius .....	748	733	650
Continental (beet and cane) .....	6,075	6,651	6,269	Morocco .....	435	443	527
Puerto Rico .....	87	92	88	Mozambique .....	30	50	50
<b>Total .....</b>	<b>20,601</b>	<b>21,097</b>	<b>21,195</b>	Reunion .....	255	238	250
<b>South America (cane unless otherwise indicated):</b>				South Africa .....	2,200	2,235	2,470
Argentina .....	1,108	1,177	1,280	Swaziland .....	537	461	455
Bolivia .....	190	174	163	Tanzania .....	101	108	110
Brazil .....	8,650	8,457	8,580	Uganda .....	10	10	10
Chile (beet) .....	444	416	424	Zaire .....	63	60	60
Colombia .....	1,316	1,338	1,397	Zimbabwe .....	512	453	450
Ecuador .....	268	316	309	Other Africa <sup>4</sup> .....	1,333	1,366	1,460
Guyana .....	204	154	152	<b>Total Africa .....</b>	<b>7,892</b>	<b>7,794</b>	<b>8,178</b>
Paraguay .....	100	100	90	<b>Asia (cane unless otherwise indicated):</b>			
Peru .....	580	592	580	Burma .....	50	50	50
Surinam .....	12	10	10	China (cane and beet) ..	5,774	4,706	5,100
Uruguay (beet and cane) ..	92	65	75	Taiwan .....	515	627	589
Venezuela .....	601	537	510	India .....	7,474	10,000	10,300
<b>Total South America ..</b>	<b>13,565</b>	<b>13,336</b>	<b>13,570</b>	Indonesia .....	2,024	2,127	1,889
<b>Europe (beet unless otherwise indicated):</b>				Iran (beet and cane) .....	650	550	550
Belgium and Luxembourg ..	1,019	1,005	1,000	Japan (beet and cane) ..	948	929	980
Denmark .....	542	422	550	Pakistan .....	1,364	1,899	1,980
France .....	3,707	3,966	4,397	Philippines .....	1,373	1,400	1,500
Germany, Fed. Rep. of ..	3,469	2,968	3,000	Thailand .....	2,639	2,704	4,000
Ireland .....	202	242	212	Turkey (Europe and Asia) (beet) .....	1,475	1,780	1,410
Italy .....	1,868	1,869	1,609	Other Asia (cane and beet) <sup>5</sup> .....	693	703	626
Netherlands .....	1,324	1,065	1,075	<b>Total Asia .....</b>	<b>26,979</b>	<b>27,475</b>	<b>28,974</b>
Portugal .....	4	2	1	<b>Oceania (cane):</b>			
Spain (cane and beet) ..	1,109	1,092	1,298	Australia .....	3,457	3,528	3,700
United Kingdom .....	1,433	1,385	1,421	Fiji .....	502	400	450
Greece .....	312	194	230	<b>Total Oceania .....</b>	<b>3,959</b>	<b>3,928</b>	<b>4,150</b>
<b>Total EC .....</b>	<b>14,989</b>	<b>14,160</b>	<b>14,793</b>	<b>World total (cane and beet) .....</b>	<b>103,234</b>	<b>103,604</b>	<b>105,519</b>
Austria .....	308	390	358				
Finland .....	134	70	146				
Sweden .....	368	264	375				

See footnotes on page 82.

**Table 114.—Sugar, cane and beet (raw value): Imports and domestic marketings, by source of supply, continental United States, 1986-88 <sup>1</sup>**

Country or area of supply	1986	1987	1988 <sup>2</sup>	Country or area of supply	1986	1987	1988 <sup>2</sup>
	1,000 tons	1,000 tons	1,000 tons		1,000 tons	1,000 tons	1,000 tons
Argentina.....	84	38	39	South Africa.....	37		
Australia.....	108	50	81	Taiwan.....	20	11	12
Belize.....	53	23	23	Other countries.....	357	209	195
Brazil.....	177	132	117	Total foreign countries.....	2,202	1,529	1,368
Colombia.....	161	77	87	Domestic areas:			
Costa Rica.....	73	31	37	Mainland (beet).....	3,088	3,656	3,832
Dominican Republic.....	373	338	226	Mainland (cane).....	1,958	2,164	2,382
Ecuador.....	19	10	11	Hawaii.....	899	1,060	902
El Salvador.....	104	26	42	Puerto Rico.....	31	12	19
Fiji Islands.....	16	25	9	Texas (cane).....	70	101	107
Guatemala.....	118	67	94	Total domestic areas..	6,046	6,998	7,242
Haiti.....	12	7	8	Grand total.....	8,248	8,522	8,610
Mexico.....	119	236	184				
Nicaragua.....							
Panama.....	77	53	13				
Peru.....	63	30	48				
Philippines.....	231	166	142				

<sup>1</sup> Raw value is the equivalent in terms of 96° sugar.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 113

<sup>1</sup> Crop years are on a September/August basis, but include the outturn of sugar from harvests of several Southern Hemisphere countries which begin prior to September.

<sup>2</sup> Preliminary.

<sup>3</sup> Centrifugal sugar, as distinguished from non-centrifugal, includes cane and beet sugar produced by the centrifugal process, which is the principal kind moving in international trade.

<sup>4</sup> "Other Africa" includes Algeria, Cameroon, Chad, Congo, Gabon, Ghana, Guinea, Ivory Coast, Mali, Malawi, Nigeria, Senegal, Somalia, Sudan, Tunisia, and Zambia.

<sup>5</sup> "Other Asia" includes Afghanistan, Bangladesh, Iraq, Israel, Lebanon, Malaysia, Nepal, Sri Lanka, Syria, and Vietnam.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.



Table 115.—Sugar, cane and beet (refined): Stocks, production or receipts, and deliveries, continental United States, 1974–89 <sup>1</sup>

Item and year	Cane sugar refineries <sup>2</sup>	Beet sugar factories	Importers of direct consumption sugar <sup>3</sup>	Mainland cane sugar mills <sup>4</sup>	Total
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
<b>JAN. 1 STOCKS <sup>5</sup></b>					
1974.....	257	1,130	1		1,388
1975.....	276	1,314	1		1,591
1976.....	233	1,490	0		1,723
1977.....	261	1,661	0		1,922
1978.....	312	1,580	85		1,977
1979.....	267	1,458	0		1,725
1980.....	240	1,126	0		1,366
1981.....	294	1,202	0		1,496
1982.....	255	1,193	0		1,448
1983.....	245	1,324	0		1,569
1984.....	210	1,031	0		1,241
1985.....	214	1,430	0		1,644
1986.....	197	1,189	0		1,386
1987.....	830	1,304	0		2,134
1988.....	996	1,546	0		2,542
1989.....	991	1,372	0		2,363
<b>PRODUCTION OR RECEIPTS</b>					
1974.....	7,608	3,010	56		10,674
1975.....	6,183	3,246	82		9,511
1976.....	6,561	3,741	76		10,378
1977.....	7,078	3,199	258		10,535
1978.....	6,942	2,867	95		9,904
1979.....	6,958	2,650	84		9,692
1980.....	7,162	2,852	7		10,021
1981.....	7,144	2,974	17		10,135
1982.....	5,726	2,953	46		8,725
1983.....	5,679	2,419	49		8,147
1984.....	6,042	3,058	39		9,139
1985.....	5,268	2,896	38		8,202
1986.....	5,128	3,219	28		8,375
1987.....	4,960	3,912	18		8,890
1988.....	4,701	3,717	20		8,438
<b>DELIVERIES <sup>6</sup></b>					
1974.....	7,590	2,826	56	54	10,526
1975.....	6,237	3,068	83	65	9,453
1976.....	6,534	3,572	76	15	10,197
1977.....	7,026	3,280	172	17	10,495
1978.....	6,967	2,989	180	18	10,174
1979.....	6,965	2,982	84	18	10,069
1980.....	7,100	2,973	7	45	10,125
1981.....	7,183	2,983	7	24	10,207
1982.....	5,736	2,840	46	24	8,646
1983.....	5,714	2,712	49	4	8,479
1984.....	5,630	2,732	39	13	8,414
1985.....	4,853	2,979	38	4	7,874
1986.....	4,594	3,077	28	3	7,702
1987.....	4,454	3,655	18	4	8,131
1988.....	4,290	3,832	20	5	8,147

<sup>1</sup> All sugars converted to refined basis.

<sup>2</sup> Includes Hawaiian sugar for direct consumption.

<sup>3</sup> Includes Puerto Rican sugar for direct consumption.

<sup>4</sup> Sugar for direct consumption only. Mainland cane sugar mills stocks and production not separately reported.

<sup>5</sup> Stocks include sugar in bond and in customs custody and control.

<sup>6</sup> Includes deliveries for export, for livestock feed, and for use in alcohol.

<sup>7</sup> Includes beet sugar, forfeited to and marketed by C.C.C.

National Agricultural Statistics Service.

**Table 116.—Sugar, cane (raw <sup>1</sup>): Refiners' raw stocks, receipts, meltings, and direct consumption deliveries, continental United States, 1974-88**

Year	Jan. 1 stocks	Receipts <sup>2</sup>	Meltings	Deliveries for direct consumption
	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1974 .....	998	8,063	8,161	11
1975 .....	886	6,206	6,639	11
1976 .....	428	7,430	7,071	13
1977 .....	776	8,315	7,564	12
1978 .....	1,678	6,789	7,578	13
1979 .....	964	7,057	7,539	14
1980 .....	541	7,892	7,735	4
1981 .....	691	7,855	7,693	.....
1982 .....	844	5,856	6,183	.....
1983 .....	517	6,287	6,241	.....
1984 .....	528	6,045	6,100	.....
1985 .....	473	5,445	5,890	.....
1986 .....	523	5,143	5,155	.....
1987 .....	515	4,862	4,977	.....
1988 <sup>3</sup> .....	401	4,774	4,689	.....

<sup>1</sup> Expressed in raw value, the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.

<sup>2</sup> Receipts include refiners' total offshore raw sugar receipts in continental U.S. ports, whether entered through the customs or held pending availability of quota, and raw cane sugar produced from sugarcane in the continental United States.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 117.—Sugar, cane and beet (raw value): Production, stocks, trade, and supply available for consumption in continental United States, 1974-88**

Year	Production	Visible stocks beginning of period	Receipts from—		Commercial exports and shipments <sup>2</sup>	Domestic disappearance		
			Foreign sources	Territories <sup>1</sup>		Livestock feed and alcohol <sup>3</sup>	Military and civilian use <sup>4</sup>	Per capita consumption (refined) <sup>4</sup>
1974 .....	5,662	2,646	5,770	157	72	8	10,945	95.7
1975 .....	6,300	2,854	3,882	96	216	6	10,302	89.2
1976 .....	6,798	2,856	4,658	203	76	0	10,893	93.4
1977 .....	6,089	3,498	6,138	102	35	0	11,099	94.2
1978 .....	5,602	4,491	4,683	52	48	4	10,889	91.4
1979 .....	5,793	3,754	5,027	47	73	0	10,756	89.3
1980 .....	5,737	3,701	4,495	178	689	0	10,181	83.6
1981 .....	6,224	3,082	5,025	48	1,191	0	9,770	79.4
1982 .....	5,934	3,461	2,964	80	137	0	9,153	73.6
1983 .....	5,680	3,068	3,080	67	300	0	8,812	70.1
1984 .....	5,890	2,570	3,444	24	447	8	8,428	66.5
1985 .....	5,967	3,005	2,797	36	487	15	7,997	62.5
1986 .....	6,267	3,126	2,223	31	602	30	7,711	59.7
1987 .....	7,309	3,225	1,546	12	667	30	8,037	61.6
1988 <sup>5</sup> .....	7,087	3,195	1,388	19	515	30	8,058	61.1

<sup>1</sup> Includes inshipments from Puerto Rico.

<sup>2</sup> Includes sugar shipped to Puerto Rico and sugar used in manufacture of exported commodities.

<sup>3</sup> Includes use for polyhydric alcohol, beginning 1966.

<sup>4</sup> Adjusted for changes in invisible stocks (estimated) held by manufacturers, wholesalers, and retailers.

<sup>5</sup> Estimated.

Economic Research Service.

Table 118.—Sugar, centrifugal (raw value): International trade, 1985-87

Continent and country	1985		1986		1987 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North and Central America:</b>						
Belize.....	96	0	105	7	85	0
Canada.....	65	1,158	95	1,278	121	921
Costa Rica.....	3	0	66	0	85	0
El Salvador.....	115	0	104	0	40	0
Guatemala.....	286	0	378	0	299	0
Honduras.....	87	0	95	0	37	0
Mexico.....	66	0	219	0	518	0
Nicaragua.....	55	0	72	0	51	0
Panama.....	78	0	34	0	11	0
United States.....	364	2,275	412	1,796	589	1,221
<b>Caribbean:</b>						
Barbados.....	78	0	88	0	76	0
Cuba.....	7,209	0	6,703	0	6,482	0
Dominican Republic.....	722	0	481	0	587	0
Haiti.....	0	18	0	21	7	26
Jamaica.....	155	24	146	0	126	20
St. Christopher-Nevis.....	25	0	24	0	23	0
Trinidad and Tobago.....	62	28	60	27	55	5
Other Caribbean.....	1	37	0	43	0	35
Total North and Central America.....	9,468	3,540	9,077	3,227	9,192	2,228
<b>South America:</b>						
Argentina.....	157	0	55	0	91	0
Brazil.....	2,609	0	2,554	0	2,424	0
Chile.....	0	28	0	10	0	27
Colombia.....	295	0	212	0	96	0
Ecuador.....	25	6	18	41	10	36
Guyana.....	230	0	219	0	195	0
Peru.....	91	2	55	262	27	326
Venezuela.....	0	238	0	0	0	118
Other South America.....	20	15	15	5	16	9
Total South America.....	3,427	289	3,139	318	2,859	516
<b>Europe:</b>						
Total European Economic Community.....	4,280	1,295	4,373	1,828	5,480	1,743
<b>Western Europe:</b>						
Austria.....	41	0	88	0	36	0
Cyprus.....	0	25	16	21	0	23
Finland.....	7	65	10	79	14	123
Iceland.....	0	13	0	12	0	17
Malta.....	0	18	0	13	0	15
Norway.....	0	180	0	168	0	174
Sweden.....	5	14	39	63	36	79
Switzerland.....	0	174	1	151	1	140
Turkey.....	308	54	142	56	80	235
Other Western Europe.....	0	9	0	9	0	9
Total Western Europe.....	365	1,203	296	572	167	815
<b>Eastern Europe:</b>						
Albania.....	0	22	0	22	0	23
Bulgaria.....	125	516	100	457	50	450
Czechoslovakia.....	248	123	350	156	241	104
German Dem. Rep.....	222	265	345	304	244	282
Hungary.....	44	0	0	0	0	13
Poland.....	186	25	156	157	255	105
Romania.....	133	63	9	56	0	228
Yugoslavia.....	116	0	44	10	0	0
Total Eastern Europe.....	1,074	983	1,004	1,162	790	1,205
Total Europe.....	5,719	3,481	5,657	3,562	6,437	3,763

See footnotes at end of table.

Table 118.—Sugar, centrifugal (raw value): International trade, 1985-87—Continued

Continent and country	1985		1986		1987 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Soviet Union .....	175	4,477	302	5,171	28	253
<b>Africa:</b>						
Algeria .....	0	532	0	482	0	653
Angola .....	0	52	0	59	0	42
Egypt .....	0	711	0	744	0	669
Ethiopia .....	27	0	24	0	25	0
Ghana .....	0	34	0	53	0	69
Ivory Coast .....	22	32	22	27	18	17
Kenya .....	0	110	0	187	0	86
Libya .....	0	226	0	160	0	126
Madagascar .....	35	12	0	0	19	7
Malawi .....	143	0	93	0	116	0
Mauritius .....	571	0	662	0	695	0
Morocco .....	0	243	0	388	0	268
Mozambique .....	10	30	20	52	19	58
Nigeria .....	0	518	0	578	0	625
Niger .....	0	1	0	7	0	17
Sierra Leone .....	0	14	0	10	0	12
South Africa .....	1,025	29	874	0	1,105	0
Sudan .....	0	12	0	5	0	111
Swaziland .....	380	0	498	0	435	0
Tanzania .....	12	22	11	27	10	13
Tunisia .....	4	192	4	172	0	179
Zaire .....	0	30	0	47	0	43
Zimbabwe .....	220	8	270	0	283	0
Other Africa .....	98	499	152	627	6	547
<b>Total Africa .....</b>	<b>2,547</b>	<b>3,307</b>	<b>2,630</b>	<b>3,575</b>	<b>2,797</b>	<b>3,542</b>
<b>Asia:</b>						
Afghanistan .....	0	36	0	131	0	43
Bangladesh .....	0	72	0	203	0	126
China .....	250	2,214	200	1,098	525	2,200
Taiwan .....	206	0	151	0	10	0
Hong Kong .....	16	147	24	160	50	220
India .....	41	1,781	44	1,046	25	943
Indonesia .....	0	3	0	82	0	146
Iran .....	0	625	0	652	0	582
Iraq .....	0	583	0	552	0	667
Israel .....	0	238	0	229	0	257
Japan .....	4	1,986	5	1,823	5	1,777
Jordan .....	0	95	0	158	0	184
Korea, Rep. of .....	386	858	281	968	312	1,027
Kuwait .....	2	52	0	49	0	71
Lebanon .....	0	56	0	67	0	92
Malaysia .....	93	619	132	665	180	665
Philippines .....	595	0	230	0	127	29
Saudi Arabia .....	0	259	0	291	0	412
Singapore .....	3	146	6	167	9	182
Sri Lanka .....	0	336	0	323	0	235
Syria .....	0	357	0	329	0	351
Thailand .....	1,781	0	2,049	0	2,072	0
Vietnam .....	16	14	6	75	0	76
Yemen (Aden) .....	0	64	0	70	0	57
Yemen (Sanaa) .....	0	206	0	189	0	231
Other Asia .....	0	331	8	1,172	201	943
<b>Total Asia .....</b>	<b>3,348</b>	<b>11,085</b>	<b>3,135</b>	<b>10,445</b>	<b>3,516</b>	<b>11,516</b>
<b>Oceania:</b>						
Australia .....	2,651	0	2,710	0	2,827	0
Fiji .....	419	0	327	12	438	1
New Zealand .....	0	174	0	164	0	181
Other Oceania .....	12	14	11	34	7	29
<b>Total Oceania .....</b>	<b>3,082</b>	<b>188</b>	<b>3,048</b>	<b>210</b>	<b>3,272</b>	<b>211</b>
<b>World total<sup>2</sup> .....</b>	<b>27,762</b>	<b>26,510</b>	<b>26,992</b>	<b>27,064</b>	<b>28,295</b>	<b>27,536</b>

<sup>1</sup> Preliminary. <sup>2</sup> World total may include countries not specified separately. n.a. not available.  
Foreign Agricultural Service. Data from International Sugar Organization.

**Table 119.—Sugar (raw and refined): Average price per pound at specified markets, 1974-88**

Year	Wholesale price, cane sugar			Retail price, granulated: United States <sup>4</sup>	Year	Wholesale price, cane sugar			Retail price, granulated: United States <sup>4</sup>
	Raw, 96° centrifugal		Refined: New York <sup>3</sup>			Raw, 96° centrifugal		Refined: New York <sup>3</sup>	
	Caribbean ports, f.o.b. and stowed <sup>1</sup>	New York, c.i.f. duty paid <sup>2</sup>				Caribbean ports, f.o.b. and stowed <sup>1</sup>	New York, c.i.f. duty paid <sup>2</sup>		
	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents
1974	29.99	29.5	34.4	32.3	1982	8.42	19.9	29.9	34.3
1975	20.49	22.5	31.4	37.2	1983	3.49	22.0	32.0	36.2
1976	11.58	13.3	19.2	24.0	1984	5.18	21.7	31.5	36.3
1977	8.11	11.0	17.3	21.6	1985	4.04	20.3	31.4	35.3
1978	7.82	13.9	20.9	23.7	1986	6.05	21.0	31.4	35.1
1979	9.66	15.6	23.2	24.9	1987	6.71	21.8	32.0	35.3
1980	29.02	30.1	41.0	42.7	1988	10.18	22.1	n.a.	36.6
1981	16.93	19.7	30.7	40.0					

<sup>1</sup> For 4th quarter 1977 through 3rd quarter 1979, derived by converting the London spot for sugar to a Caribbean basis in U.S. dollars.

<sup>2</sup> For 4th quarter 1977 through 3rd quarter 1979, derived by converting the London spot to a Caribbean basis in U.S. dollars, and adding freight, insurance, and applicable U.S. duties and fees. For June-Dec. 1985, prices for No. 12 nearby futures. Starting Jan. 1986 prices are for No. 14 nearby futures.

<sup>3</sup> F.o.b.-basis list prices in 100 pound bags, not delivered prices. To obtain delivered prices, add "freight prepaids" and deduct discounts and allowances.

<sup>4</sup> Calendar 1978 and 1979 only, derived by using the Bureau of Labor Statistics consumer price index (all-urban, unadjusted) for Sugar and Artificial Sweeteners.

n.a. not available.

Economic Research Service. Compiled from the following sources: (New York) Coffee, Sugar & Cocoa Exchange; John Crowe and Company; and U.S. Department of Labor, Bureau of Labor Statistics.

**Table 120.—Sugar, centrifugal (raw value): United States imports, by country of origin, 1986-88<sup>1</sup>**

Country of origin	1986	1987	1988	Country of origin	1986	1987	1988
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North and South America, including Caribbean area:				Africa:			
Argentina	66	36	24	Malawi	0	0	9
Barbados	0	22	8	Mauritius	27	10	11
Brazil	204	124	136	Mozambique	20	20	12
Colombia	131	55	80	South Africa	35	0	0
Costa Rica	65	30	21	Swaziland	29	0	15
Dominican Republic	299	298	205	Zimbabwe	19	10	11
Ecuador	17	10	7	Other Africa	34	28	29
El Salvador	61	25	40	Total	164	68	87
Guatemala	131	88	74	Asia and Oceania:			
Guyana	19	10	8	Australia	130	70	75
Nicaragua	0	0	0	Philippines	225	137	140
Panama	34	31	5	Thailand	22	12	9
Peru	52	28	45	Other Pacific Is.			
Other America	274	310	289	NEC	14	23	9
Total	1,354	1,067	942	Other Asia and Oceania	30	25	26
				Total	421	267	259
				Europe	1	9	6
				World total <sup>3</sup>	1,940	1,411	1,294

<sup>1</sup> Includes raw sugar imports and refined sugar imports converted to raw basis.

<sup>2</sup> Less than 500 tons.

<sup>3</sup> World total may include countries not specified separately.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 121.—Sugar, centrifugal (raw value): United States exports, by country of destination, 1986-88 <sup>1</sup>**

Country of destination	1986	1987	1988	Country of destination	1986	1987	1988
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America, including Caribbean areas:				Europe:			
Bahamas.....	8,331	7,319	7,171	Denmark.....	0	37	0
Canada.....	75,376	101,245	100,420	Netherlands.....	197	82	221
Haiti.....	21,948	16,434	14,786	Other.....	183	64	781
Jamaica.....	34,697	22,718	23,017	Total.....	380	184	1,002
Leeward and Windward Islands.....	861	575	751				
Mexico.....	0	229	192	Africa:			
Netherlands Antilles.....	6,732	6,618	5,422	Egypt.....	0	12,840	0
Trinidad and Tobago.....	2	0	0	Somalia.....	12,305	0	0
Other.....	1,011	1,285	1,143	Western Africa.....	0	0	0
Total.....	148,959	156,422	152,902	Other.....	376	71	56
				Total.....	12,681	12,911	56
South America:				Asia and Oceania:			
Chile.....	5,350	47	0	Iraq.....	92,251	192,120	105,867
Peru.....	122,856	51,838	42	Jordan.....	11,770	0	33,011
Surinam.....	0	0	0	Turkey.....	44,432	26,312	0
Venezuela.....	0	0	0	China.....	0	148,814	0
Other.....	17	2	0	Saudi Arabia.....	2,082	36	0
Total.....	128,223	51,887	42	Trust Ter. of Pac. Is.....	561	0	0
				Other.....	344	598	813
				Total.....	150,439	367,880	139,691
				World total.....	440,683	589,300	293,693

<sup>1</sup> Includes raw sugar exports and refined sugar exports converted to raw basis.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 122.—Sugar, centrifugal (raw value): Beginning stocks in marketing years 1986/87-1989/90

Country	1986/87	1987/88	1988/89	1989/90	Country	1986/87	1987/88	1988/89	1989/90
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>					<b>Eastern Europe:</b>				
Canada.....	231	220	150	200	Albania.....	16	21	21	21
Mexico.....	1,620	1,485	577	576	Bulgaria.....	100	106	116	70
United States.....	1,499	1,358	1,194	1,178	Czechoslovakia.....	177	169	189	179
<b>Total.....</b>	<b>3,350</b>	<b>3,063</b>	<b>1,921</b>	<b>1,954</b>	German Dem. Rep.....	369	148	0	175
<b>Caribbean:</b>					Hungary.....	98	82	50	50
Barbados.....	11	11	19	11	Poland.....	353	192	132	98
Cuba.....	550	360	490	520	Romania.....	42	30	93	53
Dominican Republic.....	345	222	245	261	Yugoslavia.....	406	262	231	187
Haiti.....	10	13	8	8	<b>Total.....</b>	<b>1,561</b>	<b>1,010</b>	<b>832</b>	<b>833</b>
Jamaica.....	16	15	19	24	<b>USSR.....</b>	<b>3,610</b>	<b>2,700</b>	<b>2,500</b>	<b>2,925</b>
Trinidad/Tobago.....	13	6	4	4	<b>North Africa:</b>				
Other.....	76	117	114	114	Algeria.....	226	217	218	159
<b>Total.....</b>	<b>1,021</b>	<b>744</b>	<b>899</b>	<b>942</b>	Egypt.....	100	50	50	50
<b>Central America:</b>					Libya.....	30	30	30	30
Belize.....	15	10	12	8	Morocco.....	102	112	109	136
Costa Rica.....	79	63	52	50	Sudan.....	152	141	136	140
El Salvador.....	39	39	28	10	Tunisia.....	104	120	125	125
Guatemala.....	94	147	62	44	<b>Total.....</b>	<b>714</b>	<b>670</b>	<b>668</b>	<b>640</b>
Honduras.....	30	19	14	18	<b>Africa:</b>				
Nicaragua.....	78	58	50	50	Cote d'Ivoire.....	36	43	43	52
Panama.....	24	27	37	36	Kenya.....	40	112	125	119
<b>Total.....</b>	<b>359</b>	<b>363</b>	<b>253</b>	<b>216</b>	Malawi.....	60	54	22	10
<b>South America:</b>					Mauritius.....	97	114	120	110
Argentina.....	259	217	222	250	Nigeria.....	30	60	80	90
Bolivia.....	109	109	96	82	Reunion.....	0	0	0	0
Brazil.....	981	845	771	1,362	South Africa.....	361	366	276	196
Chile.....	15	72	71	81	Swaziland.....	2	3	1	2
Colombia.....	65	128	61	56	Tanzania.....	2	2	2	2
Ecuador.....	22	10	22	13	Zaire.....	47	40	35	25
Guyana.....	17	18	22	17	Zimbabwe.....	83	15	5	26
Paraguay.....	25	30	35	32	Other.....	346	263	262	283
Peru.....	129	120	45	46	<b>Total.....</b>	<b>1,104</b>	<b>1,070</b>	<b>971</b>	<b>904</b>
Surinam.....	4	5	5	5	<b>Middle East:</b>				
Uruguay.....	22	19	14	19	Iran.....	296	296	246	246
Venezuela.....	293	80	72	72	Iraq.....	96	126	133	136
<b>Total.....</b>	<b>1,941</b>	<b>1,653</b>	<b>1,436</b>	<b>2,035</b>	Saudi Arabia.....	70	55	55	60
<b>EC:</b>					Turkey.....	305	370	495	265
Belgium/Luxembourg.....	92	108	87	80	Other.....	288	293	286	289
Denmark.....	101	111	41	72	<b>Total.....</b>	<b>1,055</b>	<b>1,140</b>	<b>1,215</b>	<b>996</b>
France.....	1,042	1,034	709	616	<b>Asia:</b>				
Germany, Fed. Rep. of.....	692	707	473	313	Bangladesh.....	73	89	85	50
Greece.....	27	46	64	27	China.....	2,057	1,679	1,575	1,420
Ireland.....	79	80	99	96	Taiwan.....	119	81	159	184
Italy.....	256	439	479	337	India.....	2,166	2,960	2,700	2,230
Netherlands.....	270	233	223	168	Indonesia.....	498	452	402	209
Portugal.....	125	60	20	21	Japan.....	227	194	180	198
Spain.....	410	240	138	116	South Korea.....	140	167	157	157
United Kingdom.....	420	398	338	293	Malaysia.....	167	123	181	146
<b>Total.....</b>	<b>3,514</b>	<b>3,456</b>	<b>2,671</b>	<b>2,139</b>	Pakistan.....	437	217	330	186
<b>Western Europe:</b>					Philippines.....	283	209	240	190
Austria.....	201	112	77	28	Sri Lanka.....	154	79	63	58
Finland.....	70	80	36	44	Thailand.....	219	118	111	271
Norway.....	15	14	14	19	Other.....	204	199	201	201
Sweden.....	103	125	75	82	<b>Total.....</b>	<b>6,744</b>	<b>6,567</b>	<b>6,484</b>	<b>6,180</b>
Switzerland.....	246	237	205	190	<b>Oceania:</b>				
Other.....	11	10	10	10	Australia.....	348	310	236	300
<b>Total.....</b>	<b>646</b>	<b>578</b>	<b>417</b>	<b>373</b>	Fiji.....	9	35	43	37
					New Zealand.....	42	38	34	35
					Other.....	8	8	8	8
					<b>Total.....</b>	<b>407</b>	<b>391</b>	<b>321</b>	<b>380</b>
					<b>World total.....</b>	<b>25,972</b>	<b>23,408</b>	<b>23,491</b>	<b>19,911</b>

**Table 123.—Honey: United States imports for consumption, by country of origin, 1986-88**

Continent and country of origin	1986	1987	1988	Continent and country of origin	1986	1987	1988
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North America:</b>				<b>Europe:</b>			
Canada.....	8,818	6,439	5,193	Germany, Fed. Rep. of.....	183	127	1,059
Dominican Republic.....	654	249	241	Greece.....	8	13	5
El Salvador.....	1,354	113	87	Hungary.....	191	174	2,015
Guatemala.....	488	337	199	Netherlands.....	118	4	6
Honduras.....	567	35	0	United Kingdom.....	34	31	27
Mexico.....	10,542	4,111	1,438	Other countries.....	616	338	478
Other countries.....	36	4	22	<b>Total.....</b>	<b>1,150</b>	<b>687</b>	<b>3,590</b>
<b>Total.....</b>	<b>22,450</b>	<b>11,288</b>	<b>7,180</b>				
<b>South America:</b>				<b>Asia, Africa, and Oceania:</b>			
Argentina.....	9,995	5,116	5,325	Australia.....	1,921	23	21
Brazil.....	1,856	406	118	China.....	16,533	8,771	8,970
Chile.....	90	0	5	Taiwan.....	1	0	1
Columbia.....	17	3	0	Hong Kong.....	256	38	90
<b>Total.....</b>	<b>11,958</b>	<b>5,525</b>	<b>5,448</b>	Japan.....	118	19	0
				New Zealand.....	30	46	9
				Other countries.....	5	31	61
				<b>Total.....</b>	<b>18,864</b>	<b>8,928</b>	<b>9,152</b>
				<b>Grand total.....</b>	<b>54,420</b>	<b>26,428</b>	<b>25,370</b>

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 124.—Beeswax, crude: United States imports for consumption, by country of origin, 1986-88**

Continent and country of origin	1986	1987	1988 <sup>1</sup>	Continent and country of origin	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North America:</b>				<b>Europe:</b>			
Canada.....	159	229	108	France.....	0	1	1
Dominican Republic.....	167	137	151	Other countries.....	40	17	15
Mexico.....	28	73	0	<b>Asia and Oceania:</b>			
Other countries.....	0	0	0	Australia.....	0	0	27
<b>South America:</b>				China.....	0	17	3
Brazil.....	230	163	179	Other countries.....	1	1	1
Chile.....	37	101	106	<b>Total.....</b>	<b>672</b>	<b>834</b>	<b>771</b>
Other countries.....	0	22	55				
<b>Africa:</b>							
Ethiopia.....	10	10	10				
Tanzania.....	0	49	99				
Other countries.....	0	8	14				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



**Table 125.—Feed and industrial molasses: Mainland production, inshipments and foreign trade, and total market supplies in the United States, 1974-88**

Year	Production in mainland areas						Inshipments from Hawaii
	Mainland cane	Domestic beet	Refiners' blackstrap	Citrus	Hydrol	Total	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	543,546	830,224	239,617	56,379	125,133	1,794,399	235,160
1975.....	667,891	1,001,997	239,617	54,196	130,458	2,094,159	262,774
1976.....	701,523	841,289	267,902	30,835	197,018	2,035,637	249,244
1977.....	608,786	859,665	269,798	27,599	211,395	2,007,243	224,409
1978.....	568,317	746,704	237,263	22,630	221,981	1,796,595	274,702
1979.....	571,826	723,397	207,929	18,440	214,686	1,736,278	306,374
1980.....	594,015	603,333	184,531	33,663	211,534	1,617,076	257,732
1981.....	689,621	1,093,561	254,295	32,662	103,653	2,173,792	293,620
1982.....	676,053	909,425	203,360	21,358	55,378	1,865,574	261,510
1983.....	655,024	866,723	168,001	24,542	48,456	1,762,746	289,440
1984.....	633,649	907,535	184,237	33,371	.....	1,758,792	266,409
1985.....	697,007	879,019	136,184	.....	.....	1,712,210	235,987
1986.....	711,056	1,025,427	127,386	.....	.....	1,883,869	273,683
1987.....	726,854	1,137,014	110,784	.....	.....	1,974,652	152,087
1988.....	768,747	936,870	101,257	.....	.....	1,806,874	178,476

  

Year	United States imports from foreign countries					Mainland exports <sup>1</sup>	Total market supplies available
	Brazil	Dominican Republic	Mexico	Other	Total		
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	330,463	167,173	589,595	958,972	2,046,203	67,332	4,008,930
1975.....	165,857	129,867	396,406	922,811	1,614,941	33,600	3,938,274
1976.....	243,866	146,502	424,973	1,374,190	2,189,531	59,718	4,417,694
1977.....	164,734	56,800	473,147	1,156,480	1,851,161	121,896	3,960,917
1978.....	49,095	68,663	519,734	805,586	1,443,078	108,040	3,406,635
1979.....	51,182	87,125	344,840	750,687	1,233,834	102,700	3,173,786
1980.....	27,764	126,683	180,335	412,497	747,279	125,964	2,496,123
1981.....	103,009	141,118	34,755	764,318	1,043,200	94,675	3,415,937
1982.....	.....	170,554	105,170	809,131	1,084,855	251,318	2,960,621
1983.....	21,848	183,126	124,563	1,142,778	1,472,315	259,029	3,265,472
1984.....	54,489	154,686	94,068	1,066,521	1,369,764	140,449	3,254,516
1985.....	203,080	99,113	161,142	1,180,200	1,643,535	196,134	3,395,601
1986.....	309,340	136,687	97,436	700,088	123,055	329,936	3,058,167
1987.....	95,004	123,619	183,525	560,003	962,151	366,957	2,721,954
1988.....	142,897	102,792	93,605	647,576	986,870	299,217	2,673,020

<sup>1</sup> Does not include exports from Hawaii and Puerto Rico.  
Agricultural Marketing Service.

**Table 126.—Edible syrups, molasses, and honey: Production, foreign trade, and indicated domestic consumption, United States, 1974–88**

Year	Production <sup>1</sup>						Imports			
	Syrups				Honey	Total	Maple syrup	Edible molasses and cane syrup <sup>2</sup>	Honey	Total
	Corn	Maple <sup>2</sup>	Refiners	Edible molasses						
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1974 <sup>4</sup>	498,313	1,087	2,564	1,559	15,866	519,389	801	2,469	2,196	5,466
1975	561,215	1,207	2,482	2,114	18,823	583,841	607	2,483	3,917	7,007
1976	615,498	927	2,403	2,574	18,756	638,158	886	3,188	5,608	9,682
1977	695,196	1,221	2,197	2,538	15,076	716,228	867	1,778	5,396	8,036
1978	751,809	1,154	2,571	2,750	19,466	777,750	811	2,077	4,727	7,615
1979	845,741	1,219	2,524	2,900	20,160	872,544	857	2,944	4,948	8,749
1980	941,056	973	1,983	1,900	16,871	962,783	855	3,422	4,143	8,420
1981	1,073,933	1,410	1,446	2,100	15,703	1,094,592	1,046	2,040	6,530	9,616
1982	1,212,759	1,292	1,003	1,850	18,666	1,235,270	1,154	2,566	7,767	11,487
1983	1,334,557	1,150	1,000	1,500	17,314	1,355,871	1,287	2,336	9,277	12,900
1984	1,501,377	1,366	950	2,070	13,936	1,519,699	1,248	3,495	10,869	15,612
1985	1,721,980	1,325	1,100	1,650	12,669	1,738,724	1,323	4,164	11,676	17,163
1986	1,726,348	937	1,000	1,700	16,925	1,746,910	1,672	8,095	10,000	19,767
1987	1,780,607	791	750	1,630	19,154	1,802,932	1,476	6,905	4,921	13,302
1988 <sup>5</sup>	1,824,168	1,098	500	1,550	17,864	1,845,180	1,293	7,295	4,724	13,312

  

Year	Exports			Indicated domestic consumption				
	Corn syrup	Honey	Total	Syrups			Honey	Total
				Corn	Maple	Cane and refiners syrup and edible molasses		
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1974 <sup>4</sup>	1,736	386	2,122	496,577	1,888	6,631	17,676	522,772
1975	1,070	387	1,407	560,145	1,814	7,079	20,408	589,441
1976	1,674	396	2,070	613,824	1,813	8,165	21,968	645,770
1977	1,543	466	2,009	693,653	2,088	6,508	20,006	722,255
1978	1,634	679	2,373	750,115	1,965	7,398	23,514	782,992
1979	1,207	747	1,954	844,534	2,076	8,368	24,361	879,339
1980	3,498	722	4,220	937,558	1,828	7,620	20,292	967,298
1981	2,916	777	3,693	1,071,017	2,456	5,586	21,456	1,100,515
1982	791	721	1,512	1,211,968	2,446	5,119	25,712	1,245,245
1983	1,223	630	1,853	1,333,334	2,437	5,186	25,961	1,366,918
1984	656	627	1,283	1,500,721	2,614	6,515	24,178	1,534,028
1985	534	549	1,083	1,721,446	2,648	6,914	23,796	1,754,804
1986	638	778	1,416	1,725,710	2,609	9,795	26,147	1,765,261
1987	938	1,045	1,983	1,779,669	2,267	9,285	23,030	1,814,251
1988 <sup>5</sup>	1,720	1,258	2,978	1,822,448	2,391	9,345	21,330	1,855,514

<sup>1</sup> Production of edible molasses is from the fall of the preceding year.

<sup>2</sup> Does not include varying quantities produced on nonfarm lands in Somerset County, Maine.

<sup>3</sup> U.S. Department of Commerce molasses and sugar syrups series.

<sup>4</sup> Estimates for 1973–1977 from U.S. International Trade Commission Publication 881, April 1978. Corn syrup production includes high-fructose corn syrup.

<sup>5</sup> Preliminary.

Economic Research Service.

Table 127.—Tobacco: Area, yield, production, and value, United States, 1974–88

Year	Area harvested	Yield per acre	Production <sup>1</sup>	Marketing year average price per pound received by farmers	Value of production
	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	962,620	2,067	1,989,728	1.086	2,159,875
1975.....	1,086,650	2,008	2,182,304	1.026	2,238,288
1976.....	1,046,920	2,041	2,136,674	1.125	2,404,337
1977.....	965,800	1,982	1,914,129	1.186	2,270,360
1978.....	963,730	2,101	2,024,820	1.324	2,679,967
1979.....	827,700	1,844	1,526,516	1.411	2,153,911
1980.....	921,020	1,939	1,786,225	1.523	2,720,406
1981.....	976,580	2,113	2,063,589	1.706	3,520,373
1982.....	912,730	2,185	1,994,494	1.764	3,518,958
1983.....	789,155	1,811	1,428,969	1.746	2,495,676
1984.....	791,700	2,183	1,727,962	1.806	3,120,850
1985.....	688,020	2,197	1,511,638	1.645	2,486,520
1986.....	581,550	2,001	1,163,940	1.522	1,771,578
1987.....	587,140	2,028	1,190,674	1.571	1,870,779
1988 <sup>2</sup> .....	634,080	2,160	1,369,662	1.646	2,255,664

<sup>1</sup> Production figures are on farm-sales-weight basis.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 128.—Tobacco: Area, yield, and production, by States, 1986–88

State	Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
CO.....	1,990	1,800	1,810	1,539	1,509	1,641	3,062	2,716	2,971
FL.....	5,300	5,600	6,400	2,510	2,465	2,680	13,303	13,804	17,152
GA.....	31,000	32,000	38,000	2,190	2,255	2,260	67,890	72,160	85,880
IN.....	5,900	5,400	5,500	2,050	2,050	1,990	12,095	11,070	10,945
KY.....	153,300	148,300	158,000	2,054	2,056	2,247	314,940	304,845	355,024
MD.....	16,000	11,700	9,000	1,320	1,140	1,330	21,120	13,338	11,970
MA.....	470	520	520	1,323	1,256	1,475	622	653	767
MO.....	2,100	1,700	2,100	2,090	2,070	2,100	4,389	3,519	4,410
NC.....	214,600	224,900	249,900	2,073	2,075	2,211	444,790	466,592	552,627
OH.....	7,420	7,350	7,820	1,829	1,639	1,854	13,574	12,044	14,497
PA.....	11,000	11,000	9,500	1,985	1,882	1,913	21,830	20,700	18,175
SC.....	37,000	42,000	45,000	2,040	2,240	2,225	75,480	94,080	100,125
TN.....	49,240	49,440	48,520	1,682	1,766	1,920	82,321	87,291	93,142
VA.....	38,430	39,430	46,710	1,913	1,950	1,973	73,524	76,900	92,177
WV.....	1,600	1,800	1,700	1,650	1,440	1,600	2,640	2,592	2,720
WI.....	6,200	4,200	3,600	1,913	1,993	1,967	11,860	8,370	7,080
US.....	581,550	587,140	634,080	2,001	2,028	2,160	1,163,940	1,190,674	1,369,662

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 129.—Tobacco: Area, yield, and production in specified countries, 1986–88

Continent and country	Area harvested			Yield per hectare			Production <sup>2</sup>		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Hec-tares	Hec-tares	Hec-tares	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
<b>North and Central America incl. Caribbean:</b>									
Canada .....	30,440	26,471	30,585	2.22	2.30	2.33	67,650	60,850	71,255
Costa Rica.....	1,065	926	800	1.80	1.84	2.05	1,912	1,703	1,643
Cuba.....	55,000	55,000	55,000	.84	.78	.80	46,000	45,000	44,000
Dominican Republic.....	26,800	22,798	22,827	1.08	1.39	1.09	28,940	31,656	24,908
El Salvador.....	558	500	820	1.91	2.79	2.27	1,256	1,394	1,408
Guatemala.....	4,216	4,870	5,184	1.69	1.67	1.73	7,109	7,303	8,950
Haiti.....	565	565	565	1.29	1.29	1.29	730	730	730
Honduras.....	2,294	2,372	2,340	1.74	1.67	1.61	3,982	3,963	3,775
Jamaica.....	1,175	1,175	1,175	1.99	1.99	1.99	2,339	2,339	2,339
Mexico.....	46,128	47,443	44,895	1.69	1.03	1.67	78,015	48,720	75,120
Nicaragua.....	2,240	2,240	2,240	2.03	2.03	2.03	4,550	4,550	4,550
Panama.....	740	720	720	1.86	1.81	1.81	1,378	1,302	1,302
Trinidad-Tobago.....	100	100	100	1.70	1.70	1.70	170	170	170
United States (incl. Puerto Rico).....	235,353	237,616	256,612	2.24	2.27	2.42	527,963	540,090	621,279
<b>Total.....</b>	<b>406,774</b>	<b>402,655</b>	<b>403,458</b>	<b>1.90</b>	<b>1.86</b>	<b>2.14</b>	<b>771,994</b>	<b>747,770</b>	<b>861,429</b>
<b>South America:</b>									
Argentina.....	50,350	53,100	55,233	1.32	1.32	1.31	66,361	70,231	72,235
Brazil.....	267,000	286,000	267,000	1.44	1.43	1.57	385,000	410,000	419,000
Bolivia.....	1,250	1,250	1,250	1.00	1.00	1.00	1,250	1,250	1,250
Chile.....	2,389	2,613	3,024	3.34	3.38	3.30	7,980	8,825	9,969
Colombia.....	23,277	21,499	20,873	1.56	1.47	1.53	36,380	31,637	31,995
Ecuador.....	1,800	1,800	1,800	2.14	2.14	2.14	3,850	3,850	3,850
Guyana.....	100	100	100	1.00	1.00	1.00	100	100	100
Paraguay.....	5,000	9,302	6,200	1.16	1.29	1.19	5,800	12,000	7,378
Peru.....	2,500	2,500	2,500	1.24	1.24	1.24	3,100	3,100	3,100
Uruguay.....	800	800	800	1.75	1.75	1.75	1,400	1,400	1,400
Venezuela.....	7,950	8,014	8,799	1.70	1.66	1.65	13,516	13,300	14,528
<b>Total.....</b>	<b>362,416</b>	<b>386,579</b>	<b>367,579</b>	<b>1.45</b>	<b>1.44</b>	<b>1.54</b>	<b>524,737</b>	<b>555,693</b>	<b>564,805</b>
<b>Europe:</b>									
Belgium and Luxembourg.....	550	384	426	3.75	2.81	3.72	2,062	1,079	1,586
France.....	15,135	14,349	12,669	2.55	2.36	2.32	38,597	33,923	29,357
Germany, Fed. Rep. of.....	3,152	3,206	3,140	2.45	1.93	2.37	7,710	6,174	7,450
Greece.....	99,469	92,017	87,006	1.49	1.57	1.55	148,779	144,045	134,795
Italy.....	79,035	77,451	88,000	1.84	2.09	2.12	145,500	102,127	186,900
Portugal (incl. Azores).....	1,986	2,001	2,123	2.15	1.95	1.96	4,264	3,900	4,151
Spain (incl. Canary Is.).....	22,352	24,691	24,400	1.73	1.47	1.41	38,698	36,210	34,325
<b>Total EC.....</b>	<b>221,679</b>	<b>214,099</b>	<b>217,764</b>	<b>1.74</b>	<b>1.81</b>	<b>1.83</b>	<b>385,070</b>	<b>387,458</b>	<b>398,564</b>
Austria.....	263	264	259	1.75	1.58	1.76	460	416	457
Switzerland.....	724	712	699	2.72	1.83	2.22	1,970	1,306	1,550
<b>Total Western Europe.....</b>	<b>222,666</b>	<b>215,075</b>	<b>218,722</b>	<b>1.74</b>	<b>1.81</b>	<b>1.83</b>	<b>387,500</b>	<b>389,180</b>	<b>400,571</b>
Albania.....	24,000	24,000	29,000	.67	.67	.63	16,000	16,000	15,000
Bulgaria.....	103,002	90,468	91,000	1.24	1.46	1.21	128,000	132,374	110,200
Czechoslovakia.....	3,880	3,700	3,750	1.47	1.46	1.47	5,700	5,500	5,500
Germany, Dem. Rep. of.....	4,000	3,800	3,648	1.61	1.70	1.62	6,439	6,450	5,900
Hungary.....	12,200	10,700	10,900	2.21	2.05	2.09	27,000	21,903	22,800
Poland.....	50,381	48,426	41,772	2.49	2.40	2.14	125,211	116,100	89,420
Romania.....	35,000	34,450	34,500	1.00	.84	.78	35,000	28,900	26,900
Yugoslavia.....	73,000	61,000	52,000	1.33	1.18	.78	97,000	72,000	51,000
<b>Total Eastern Europe.....</b>	<b>305,463</b>	<b>276,600</b>	<b>261,570</b>	<b>1.44</b>	<b>1.44</b>	<b>1.25</b>	<b>440,350</b>	<b>399,227</b>	<b>326,720</b>
<b>Total Europe.....</b>	<b>528,129</b>	<b>491,675</b>	<b>480,292</b>	<b>1.57</b>	<b>1.60</b>	<b>1.51</b>	<b>827,850</b>	<b>788,407</b>	<b>727,291</b>
<b>Soviet Union.....</b>	<b>165,000</b>	<b>161,000</b>	<b>132,000</b>	<b>1.95</b>	<b>1.84</b>	<b>1.83</b>	<b>321,000</b>	<b>296,000</b>	<b>242,000</b>
<b>Africa:</b>									
Algeria.....	6,000	6,000	4,000	1.00	1.00	1.38	6,000	6,000	5,500
Angola.....	3,950	3,950	3,950	.99	.99	.99	3,900	3,900	3,900
Burundi.....	2,000	2,000	2,000	.80	.80	.80	1,600	1,600	1,600
Cameroon.....	2,300	2,300	2,300	1.13	1.08	1.04	2,600	2,480	2,400
Congo.....	4,100	4,100	4,100	.44	.44	.44	1,800	1,800	1,800
Ghana.....	3,535	1,800	1,825	.48	.69	.64	1,707	1,246	1,166
Ivory Coast.....	450	9,450	9,450	.89	.24	.26	400	2,300	2,500

See footnotes at end of table.

Table 129.—Tobacco: Area, yield, and production in specified countries, 1986–88—  
Continued

Continent and country	Area harvested			Yield per hectare			Production <sup>2</sup>		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Hec- tares	Hec- tares	Hec- tares	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
<b>Africa—Continued</b>									
Kenya.....	4,800	4,830	4,830	1.17	1.45	1.71	5,600	6,995	8,262
Liberia.....	10	10	0	1.00	1.00	1.00	10	10	10
Libya.....	900	900	900	1.61	1.61	1.61	1,450	1,450	1,450
Madagascar.....	5,900	5,900	5,900	.90	.90	.90	5,300	5,300	5,300
Malawi.....	93,159	89,950	90,050	.68	.85	.83	63,713	75,758	75,053
Mauritius.....	768	600	633	1.36	1.75	1.58	1,044	1,049	1,003
Morocco.....	2,693	3,357	4,767	1.35	1.40	1.35	3,634	4,686	6,437
Mozambique.....	2,700	2,700	2,700	1.07	1.07	1.07	2,900	2,900	2,900
Nigeria.....	8,608	8,198	8,198	1.00	.93	.98	8,630	7,642	8,075
Sierra Leone.....	540	540	540	1.07	1.07	1.07	580	580	580
South Africa.....	30,916	26,083	24,986	1.12	1.07	1.28	34,630	27,780	31,957
Tanzania.....	24,518	24,618	21,250	.68	.70	.80	15,998	17,355	17,055
Tunisia.....	4,608	4,450	5,400	1.10	1.13	1.02	5,088	5,040	5,500
Uganda.....	4,300	4,300	4,300	.26	.26	.26	1,100	1,100	1,100
Zambia.....	3,480	3,500	3,500	1.37	1.07	1.23	4,756	3,750	4,900
Zaire.....	3,700	3,700	3,700	1.11	1.11	1.11	4,110	4,110	4,110
Zimbabwe.....	59,092	65,670	61,894	1.98	2.00	2.00	116,964	131,483	123,631
<b>Total.....</b>	<b>273,027</b>	<b>278,206</b>	<b>271,103</b>	<b>1.08</b>	<b>1.14</b>	<b>1.16</b>	<b>293,514</b>	<b>316,314</b>	<b>315,589</b>
<b>Mid East and Asia:</b>									
Bangladesh.....	54,000	54,000	54,000	.95	.95	.95	51,545	51,545	51,545
Burma.....	54,000	46,000	55,000	.85	.87	.82	46,000	40,000	45,000
China.....	1,158,000	1,142,000	1,507,200	1.52	1.70	1.74	1,669,500	1,945,000	2,620,000
Taiwan.....	9,045	9,070	8,423	2.68	2.65	2.47	24,322	24,005	20,766
Cyprus.....	161	161	161	1.50	1.50	1.50	241	241	241
India.....	397,000	383,800	323,955	1.11	1.20	1.11	441,200	459,100	358,930
Indonesia.....	268,005	279,358	287,012	.58	.55	.55	154,111	154,020	159,011
Iran.....	18,000	18,000	18,000	1.39	1.39	1.39	25,000	25,000	25,000
Iraq.....	21,000	10,000	10,000	.81	.90	1.00	17,000	9,000	10,000
Israel.....	900	600	800	.67	.62	.37	605	370	295
Japan.....	47,706	42,327	40,557	2.48	2.23	2.12	118,220	94,400	85,790
Jordan.....	2,850	2,850	2,850	.98	.98	.98	2,800	2,800	2,800
Kampuchea.....	9,000	9,000	9,000	.56	.56	.56	5,000	5,000	5,000
Korea, Dem. Peo. Rep. of.....	37,000	37,000	37,000	1.24	1.24	1.24	46,000	46,000	46,000
Korea, Rep. of.....	34,456	35,274	31,821	2.41	2.21	2.29	82,982	78,039	72,998
Laos.....	4,000	4,000	4,000	.75	.75	.75	3,000	3,000	3,000
Lebanon.....	3,750	3,750	3,750	1.33	1.33	1.33	5,000	5,000	5,000
Malaysia.....	16,250	12,664	9,887	.88	.90	.80	14,297	11,388	7,872
Pakistan.....	45,571	38,996	41,599	1.72	1.77	1.67	78,290	69,200	69,530
Philippines.....	56,573	47,898	52,142	1.29	1.66	1.35	72,802	79,417	70,434
Singapore.....	30	30	30	1.67	1.67	1.67	50	50	50
Sri Lanka.....	12,165	12,165	12,165	.74	.74	.74	9,000	9,000	9,000
Syria.....	13,969	15,117	14,355	1.19	1.11	1.12	16,617	16,719	16,054
Thailand.....	61,536	59,141	53,518	1.06	1.13	.....	64,991	67,087	54,228
Turkey.....	187,830	202,805	261,710	.86	.87	.....	161,500	184,712	211,128
Vietnam.....	32,000	32,000	32,000	.88	.88	.....	28,000	28,000	28,000
<b>Total.....</b>	<b>2,544,754</b>	<b>2,501,111</b>	<b>2,874,257</b>	<b>1.23</b>	<b>1.36</b>	<b>1.38</b>	<b>3,142,547</b>	<b>3,412,865</b>	<b>3,982,778</b>
<b>Oceania:</b>									
Australia.....	4,641	5,500	5,015	2.41	2.44	2.66	11,200	13,400	13,335
New Zealand.....	620	620	620	2.55	2.55	2.55	1,580	1,580	1,580
<b>Total.....</b>	<b>5,261</b>	<b>6,120</b>	<b>5,635</b>	<b>2.43</b>	<b>2.45</b>	<b>2.65</b>	<b>12,780</b>	<b>14,980</b>	<b>14,915</b>
<b>World total.....</b>	<b>4,285,401</b>	<b>4,227,386</b>	<b>4,554,529</b>	<b>1.38</b>	<b>1.45</b>	<b>1.47</b>	<b>5,894,422</b>	<b>6,132,029</b>	<b>6,708,807</b>

<sup>1</sup> Preliminary.

<sup>2</sup> Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1979-88 (farm-sales-weight basis)**

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
<b>Total flue-cured, types 11-14:</b>									
	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1979.....	502,800	1,881	945,775	2,074,828	3,020,603	* 1,083,205	520,000	563,205	140.0
1980.....	555,110	1,957	1,086,099	1,965,386	3,051,485	* 1,038,513	508,916	529,597	144.5
1981.....	540,600	2,164	1,169,733	2,012,570	3,182,303	* 1,011,732	522,947	488,795	166.4
1982.....	472,300	2,181	1,006,527	2,145,138	3,151,665	* 934,737	455,875	478,777	178.5
1983.....	409,800	2,004	821,288	2,204,654	3,025,942	* 894,150	452,544	441,606	177.9
1984.....	392,000	2,206	864,625	2,165,304	3,029,929	* 934,785	480,493	454,292	181.1
1985.....	357,100	2,241	800,258	2,080,119	2,880,377	* 911,494	435,085	476,409	171.9
1986.....	308,300	2,091	644,563	1,958,025	2,602,518	* 872,932	393,191	479,741	152.7
1987.....	324,600	2,129	690,914	1,751,991	2,442,905	922,618	385,282	537,336	158.7
1988 *.....	366,400	2,219	813,212	1,512,573	2,325,785				161.3
<b>Total fire-cured, types 21-23:</b>									
1979.....	26,890	1,674	45,005	76,001	121,006	43,728	22,463	21,265	114.3
1980.....	23,260	1,559	36,260	77,278	113,538	42,190	19,865	22,325	138.3
1981.....	24,650	1,526	37,624	71,348	108,972	37,558	21,177	16,381	157.1
1982.....	28,310	1,881	53,256	71,352	124,608	45,680	22,079	23,601	152.0
1983.....	26,210	1,417	37,138	78,928	116,066	43,837	22,883	22,954	174.8
1984.....	28,290	2,001	56,620	72,229	128,849	34,466	17,783	16,683	151.4
1985.....	25,110	2,007	50,385	94,383	144,768	42,509	21,187	21,322	146.9
1986.....	21,080	1,958	41,271	102,259	143,530	40,518	22,495	18,023	143.1
1987.....	13,860	1,990	27,575	103,015	130,590	40,818	21,780	20,038	149.6
1988 *.....	13,540	2,271	30,744	88,772	119,516				213.8
<b>Virginia fire-cured, type 21:</b>									
1979.....	4,800	1,135	5,448	10,897	16,345	7,082	3,788	3,294	107.9
1980.....	3,900	935	3,647	9,263	12,910	4,632	2,033	2,599	128.1
1981.....	4,100	1,265	5,187	8,278	13,198	4,531	2,711	1,820	131.2
1982.....	4,800	1,150	5,520	8,872	14,392	4,139	1,510	2,629	117.6
1983.....	4,700	985	4,630	10,253	14,883	6,837	2,104	4,733	126.8
1984.....	4,600	1,325	6,095	8,046	14,141	4,095	3,017	1,078	117.8
1985.....	3,600	1,245	4,482	10,046	14,528	8,627	4,709	3,918	124.0
1986.....	2,900	1,220	3,538	5,901	9,439	2,387	2,043	344	127.8
1987.....	2,600	1,000	2,600	7,055	9,655	3,097	2,582	515	131.5
1988 *.....	2,300	1,270	2,920	6,558	9,478				148.2
<b>Kentucky and Tennessee fire-cured, types 22-23:</b>									
1979.....	22,090	1,791	39,557	65,104	104,661	36,646	18,675	17,971	115.2
1980.....	19,360	1,685	32,613	68,015	100,625	37,558	17,832	19,726	139.4
1981.....	20,550	1,578	32,437	63,070	100,064	33,027	18,466	14,561	161.1
1982.....	23,510	2,030	47,736	62,480	110,216	41,541	20,569	20,972	156.0
1983.....	21,510	1,511	32,508	68,675	101,183	37,000	20,779	16,221	181.7
1984.....	23,690	2,133	50,525	64,183	114,708	30,371	14,766	15,605	155.4
1985.....	21,510	2,134	45,903	84,337	130,240	33,882	16,478	17,404	149.2
1986.....	18,180	2,078	37,773	96,358	134,131	38,131	20,452	17,679	144.5
1987.....	11,260	2,218	24,975	95,960	120,935	38,721	19,198	19,523	151.5
1988 *.....	11,240	2,475	27,824	82,214	110,038				220.7
<b>Burley, type 31:</b>									
1979.....	238,100	1,873	445,845	1,211,735	1,657,580	* 631,750	133,283	498,467	145.2
1980.....	276,600	2,027	560,783	1,025,812	1,586,595	* 583,124	105,494	477,630	165.9
1981.....	331,200	2,203	729,774	1,000,221	1,729,995	* 604,917	141,016	463,898	180.7
1982.....	346,200	2,374	821,918	1,120,907	1,942,825	* 578,875	134,448	444,027	180.1
1983.....	292,600	1,645	481,439	1,318,726	1,800,165	* 501,031	112,305	388,726	177.3
1984.....	315,700	2,256	712,209	1,344,395	2,056,604	* 556,193	153,627	402,566	187.6
1985.....	255,100	2,247	573,321	1,461,915	2,035,236	* 575,566	150,631	424,935	159.4
1986.....	210,700	1,936	407,922	1,428,249	1,836,171	* 567,067	166,275	401,792	156.5
1987.....	215,800	1,943	419,360	1,281,015	1,700,375	634,658	156,480	478,178	156.3
1988 *.....	226,300	2,109	477,196	1,073,857	1,551,053				161.0
<b>Maryland, type 32:</b>									
1979.....	19,500	1,130	22,035	50,050	72,085	33,556	9,987	23,569	139.7
1980.....	20,990	1,091	26,176	38,529	64,705	27,295	8,739	18,556	167.9
1981.....	36,230	1,281	46,424	37,410	83,834	36,472	5,088	28,384	157.3
1982.....	29,340	1,433	42,049	47,362	89,411	38,898	12,935	25,963	146.1
1983.....	31,300	1,196	37,440	50,513	87,953	33,844	4,108	29,736	106.9
1984.....	27,300	1,396	38,100	54,109	92,209	37,700	9,030	28,670	132.0
1985.....	23,500	1,400	32,900	54,509	87,409	35,751	7,982	27,769	129.0
1986.....	19,400	1,430	27,500	53,408	81,158	30,493	6,559	23,934	106.5
1987.....	15,700	1,321	20,738	50,665	71,403	30,212	3,928	26,284	111.0
1988 *.....	12,500	1,476	18,445	41,119	59,636				161.3

See footnotes at end of table.

**Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1979-88 (farm-sales-weight basis)—Continued**

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
<b>Total dark air-cured, types 35-37:</b>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1979.....	10,240	1,633	16,717	36,327	53,044	16,832	2,035	14,797	111.0
1980.....	9,690	1,716	16,624	36,192	52,816	14,752	2,440	12,312	126.5
1981.....	10,210	1,599	16,330	38,064	54,394	14,879	2,284	12,595	133.0
1982.....	10,770	1,916	20,636	39,515	60,151	16,449	946	15,503	122.3
1983.....	9,190	1,597	14,673	43,702	58,375	14,350	2,284	12,066	150.8
1984.....	9,240	2,118	19,569	44,025	63,594	14,361	2,532	11,829	126.9
1985.....	7,700	2,002	15,419	49,233	64,652	12,793	2,944	9,849	125.9
1986.....	5,490	2,036	11,180	51,859	63,039	13,381	2,513	10,868	120.1
1987.....	3,610	1,932	6,976	49,658	56,634	14,828	1,569	13,259	129.9
1988 <sup>4</sup> .....	3,390	2,218	7,519	41,806	49,325				162.2
<b>One Sucker, type 35:</b>									
1979.....	7,100	1,661	11,792	19,440	31,232	11,460	1,816	9,644	114.1
1980.....	7,100	1,747	12,402	19,772	32,174	8,867	2,278	6,589	126.5
1981.....	7,400	1,636	12,103	23,307	35,410	9,819	2,133	7,686	136.0
1982.....	7,400	1,959	14,497	25,591	40,088	10,878	787	10,091	122.4
1983.....	6,000	1,621	9,728	29,210	38,938	10,265	2,105	8,160	155.4
1984.....	6,100	2,151	13,120	28,673	41,793	10,518	1,948	8,570	131.1
1985.....	5,200	2,058	10,704	31,275	41,979	9,864	2,130	7,734	129.3
1986.....	3,660	1,979	7,244	32,115	39,245	8,783	2,405	6,378	122.5
1987.....	2,380	1,952	4,646	30,576	35,222	9,877	1,436	8,441	138.0
1988 <sup>4</sup> .....	2,330	2,243	5,226	25,345	30,571				171.8
<b>Green River, type 36:</b>									
1979.....	2,600	1,675	4,355	14,709	19,064	4,648	20	4,628	105.3
1980.....	2,200	1,740	3,828	14,396	18,224	5,093	55	5,038	126.5
1981.....	2,300	1,545	3,554	13,131	17,271	4,336	8	4,328	123.1
1982.....	2,900	1,930	5,404	12,349	17,753	4,712	80	4,632	124.3
1983.....	2,700	1,690	4,563	13,041	17,604	3,613	68	3,545	142.5
1984.....	2,700	2,170	5,859	13,991	19,850	3,310	425	2,885	120.7
1985.....	2,300	1,950	4,485	16,540	21,540	2,214	566	1,648	119.0
1986.....	1,700	2,220	3,774	18,811	22,585	4,466	0	4,466	115.4
1987.....	1,100	2,000	2,200	18,119	20,319	4,687	5	4,682	114.4
1988 <sup>4</sup> .....	950	2,280	2,166	15,632	17,798				141.1
<b>Virginia sun-cured, type 37:</b>									
1979.....	540	1,055	570	2,178	2,748	724	199	525	90.8
1980.....	390	1,010	394	2,024	2,418	792	107	685	127.1
1981.....	510	1,320	673	1,626	2,275	724	143	581	131.7
1982.....	570	1,290	735	1,575	2,310	859	79	780	106.4
1983.....	490	780	382	1,451	1,833	472	111	361	132.5
1984.....	440	1,340	590	1,361	1,951	533	159	374	94.3
1985.....	200	1,150	230	1,418	1,648	715	248	467	100.0
1986.....	130	1,245	162	933	1,095	132	108	24	124.2
1987.....	130	1,000	130	963	1,262	264	128	136	102.5
1988 <sup>4</sup> .....	110	1,155	127	829	956				123.9
<b>Total continental cigar filler, types 41-44:</b>									
1979.....	12,500	1,572	19,646	61,933	81,579	28,684	266	28,418	89.0
1980.....	14,400	1,881	27,080	52,895	79,975	23,871	537	23,334	88.8
1981.....	15,000	1,981	29,713	56,104	85,817	29,098	211	28,887	82.1
1982.....	12,500	1,993	24,910	56,719	81,629	21,621	393	21,228	75.4
1983.....	9,100	1,776	16,163	60,008	76,171	22,355	304	22,051	82.1
1984.....	8,800	1,913	16,830	53,816	76,646	22,005	210	21,795	90.0
1985.....	8,820	1,959	17,281	48,641	65,922	17,128	230	16,898	72.6
1986.....	7,920	1,984	15,710	48,794	64,504	26,094	195	25,899	66.7
1987.....	7,050	1,897	13,372	38,417	51,789	20,925	306	20,619	72.1
1988 <sup>4</sup> .....	6,020	1,948	11,728	30,864	42,592				102.0
<b>Pennsylvania seedleaf filler, type 41:</b>									
1979.....	11,200	1,580	17,696	55,672	73,368	24,273	266	24,007	72.0
1980.....	13,000	1,900	24,700	49,095	73,795	21,705	537	21,168	87.0
1981.....	13,300	2,050	27,265	52,090	79,355	27,012	211	26,801	80.0
1982.....	10,700	2,000	21,400	52,343	73,743	19,618	393	19,225	73.0
1983.....	7,700	1,850	14,245	54,125	68,370	20,415	304	20,111	83.0
1984.....	7,700	1,900	14,630	47,955	62,585	20,125	210	19,915	90.0
1985.....	8,000	1,950	15,600	42,460	58,060	16,339	230	16,109	71.0
1986.....	7,600	2,000	15,200	41,721	56,921	24,825	195	24,630	66.0
1987.....	7,000	1,900	13,300	32,096	45,396	20,336	306	20,030	72.0
1988 <sup>4</sup> .....	6,000	1,950	11,700	25,060	36,760				104.0

See footnotes at end of table.

**Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1979-88 (farm-sales-weight basis)—Continued**

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
<b>Miami Valley (Ohio) filler, types 42-44:</b>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1979	1,900	1,500	1,950	6,261	8,211	4,411		4,411	87.0
1980	1,400	1,700	2,348	3,800	6,180	2,166		2,166	107.0
1981	1,700	1,440	2,448	2,060	4,508	2,086		2,086	105.0
1982	1,600	1,350	3,510	4,376	7,886	2,003		2,003	90.0
1983	1,400	1,370	1,918	5,883	7,801	1,940		1,940	75.0
1984	1,100	2,000	2,200	5,861	8,061	1,880		1,880	90.0
1985	820	2,050	1,681	6,181	7,862	789		789	87.0
1986	320	1,595	510	7,073	7,583	1,269		1,269	89.0
1987	50	1,440	72	6,321	6,393	589		589	96.0
1988 *	20	1,400	28	5,804	5,832				104.0
<b>Puerto Rican filler, type 46:</b>									
1979	2,000	1,000	2,019	6,945	8,964	886		886	69.1
1980	1,100	1,380	1,520	8,078	10,578	1,644		1,644	73.5
1981	600	1,000	600	7,968	7,859	1,309		1,309	86.0
1982	300	1,000	300	7,259	7,559	712		712	91.0
1983	800	1,000	800	6,847	7,647	1,587		1,587	91.0
1984	600	1,000	600	6,060	6,660	283		283	74.0
1985	400	1,000	400	6,377	6,777	949		949	74.0
1986	200	1,000	200	6,028	6,228	1,563		1,563	75.0
1987	200	1,000	200	4,965	5,165	1,076		1,076	74.7
1988 *	200	1,000	200	4,189	4,389				
<b>Total cigar binder, types 51-55:</b>									
1979	14,370	1,911	27,457	50,763	78,220	23,651	168	23,483	120.9
1980	14,400	1,985	28,590	54,569	83,159	23,504	208	23,296	129.9
1981	15,440	1,932	29,830	61,822	91,652	22,104	123	21,981	118.9
1982	12,200	1,941	23,675	67,099	90,774	23,316	187	23,129	115.2
1983	9,975	1,920	19,156	67,558	86,714	21,048	188	20,860	115.5
1984	9,150	1,998	18,284	65,180	83,464	20,089	313	19,776	116.4
1985	9,330	2,147	20,033	63,375	83,408	23,073	222	22,851	110.6
1986	7,830	1,891	13,860	59,917	73,777	19,973	244	19,729	105.5
1987	5,240	1,937	10,149	53,804	63,953	21,620	180	21,440	112.3
1988 *	4,550	1,914	8,710	42,333	51,043				133.4
<b>Connecticut Valley binder, types 51-52:</b>									
1979	1,470	1,637	2,407	5,484	7,891	2,227	167	2,060	161.5
1980	1,500	1,750	2,625	5,664	8,298	2,197	173	2,024	178.8
1981	1,740	1,998	3,477	6,092	9,569	2,483	112	2,371	182.1
1982	2,100	1,685	3,539	7,086	10,625	3,286	185	3,101	180.9
1983	1,375	1,793	2,465	7,270	9,735	3,074	156	2,918	155.7
1984	1,050	1,794	1,884	6,661	8,545	2,603	289	2,314	167.6
1985	1,130	1,819	2,055	5,942	7,997	1,474	222	1,252	177.5
1986	1,130	1,770	2,000	6,523	8,523	2,119	222	1,897	177.5
1987	1,040	1,711	1,779	6,404	8,183	1,956	180	1,776	170.0
1988 *	950	1,716	1,630	6,227	7,857				170.0
<b>Wisconsin binder, types 54-55:</b>									
1979	12,900	1,942	25,050	45,279	70,923	22,018	1	22,017	117.0
1980	12,900	2,013	25,965	48,905	74,870	21,307	35	21,272	125.0
1981	13,700	1,924	26,353	55,730	82,083	19,621	11	19,610	110.6
1982	10,100	1,994	20,136	60,013	80,149	19,861	2	19,859	103.7
1983	8,600	1,941	16,691	60,288	76,979	18,460	32	18,428	109.6
1984	8,100	2,025	16,400	58,519	74,919	17,486	24	17,462	110.5
1985	8,200	2,192	17,978	57,423	75,401	21,599	0	21,599	103.0
1986	6,200	1,913	11,860	53,394	65,254	17,854	22	17,832	93.4
1987	4,200	1,993	8,370	47,400	55,770	19,664	0	19,664	100.0
1988 *	3,600	1,967	7,080	36,106	43,186				125.0
<b>Southern Wisconsin, type 54:</b>									
1979	6,300	2,080	13,104	25,846	38,950				117.0
1980	6,300	2,110	13,293						125.0
1981	6,400	2,150	13,760						113.0
1982	5,100	2,110	10,761						106.0
1983	4,400	2,080	9,152						110.0
1984	3,900	2,105	8,210						111.0
1985	3,900	2,465	9,614						103.0
1986	2,800	1,965	5,502						95.0
1987	2,700	2,100	5,670						100.0
1988 *	2,500	2,040	5,100						125.0

See footnotes at end of table.



**Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1979-88 (farm-sales-weight basis)—Continued**

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
<b>Northern Wisconsin, type 55:</b>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1979.....	6,600	1,810	11,946	19,433	31,379				117.0
1980.....	6,600	1,920	12,672						125.0
1981.....	7,300	1,725	12,593						108.0
1982.....	5,000	1,875	9,375						101.0
1983.....	4,200	1,795	7,539						109.0
1984.....	4,200	1,950	8,190						110.0
1985.....	4,300	1,945	8,364						103.0
1986.....	3,400	1,870	6,358						92.0
1987.....	1,500	1,800	2,700						100.0
1988 <sup>4</sup> .....	1,100	1,800	1,980						125.0
<b>Total cigar wrapper, types 61-62:</b>									
1979.....	2,720	1,472	4,003	10,240	14,243	6,456	5,389	1,067	850.0
1980.....	2,990	1,513	4,524	7,787	12,311	6,129	3,962	2,167	980.0
1981.....	2,600	1,592	4,138	6,182	10,320	5,056	1,565	3,491	1,000.0
1982.....	1,120	1,421	1,592	5,254	6,846	3,418	1,986	2,432	1,250.0
1983.....	980	1,706	1,672	3,428	5,100	1,361	1,000	361	1,100.0
1984.....	1,220	1,414	1,725	3,739	5,464	2,657	2,180	477	1,250.0
1985.....	1,360	1,501	2,041	2,807	4,848	2,217	2,000	217	1,265.0
1986.....	1,330	1,266	1,684	2,633	4,317	2,130	1,850	280	1,310.0
1987.....	1,280	1,242	1,590	2,185	3,775	2,023	1,900	123	1,550.0
1988 <sup>4</sup> .....	1,380	1,528	2,108	1,752	3,860				2,120.0
<b>Connecticut Valley shadegrown, type 61:</b>									
1979.....	2,720	1,472	4,003	8,121	12,124	5,380	4,915	465	850.0
1980.....	2,990	1,513	4,524	6,744	11,268				980.0
1981.....	2,600	1,592	4,138	5,333	9,471				1,000.0
1982.....	1,120	1,421	1,592	4,923	6,515				1,250.0
1983.....	980	1,706	1,672	3,312	4,984				1,100.0
1984.....	1,220	1,414	1,725	3,684	5,409				1,250.0
1985.....	1,360	1,501	2,041	2,807	4,848				1,265.0
1986.....	1,330	1,266	1,684	2,633	4,317				1,310.0
1987.....	1,280	1,242	1,590	2,185	3,775				1,550.0
1988 <sup>4</sup> .....	1,380	1,528	2,108	1,752	3,860				2,120.0
<b>Georgia-Florida shadegrown, type 62:</b>									
1979.....				2,119	2,119	1,076	474	602	
1980.....				1,043	1,043				
1981.....				839	839				
1982.....				331	331				
1983.....				116	116				
1984.....				55	55				
1985.....				0	0				
1986.....				0	0				
1987.....				0	0				
1988 <sup>4</sup> .....				0	0				
<b>Total tobacco, types 11-72: <sup>6</sup></b>									
1979.....	829,200	1,843	1,528,568	3,579,264	5,107,832	1,868,044	689,269	1,179,775	141.0
1980.....	921,620	1,940	1,787,692	3,258,448	5,046,140	1,761,022	650,161	1,110,871	152.3
1981.....	976,580	2,114	2,064,211	3,291,217	5,335,428	1,763,032	697,411	1,065,621	170.6
1982.....	913,030	2,185	1,995,294	3,560,605	5,555,468	1,664,452	629,224	1,035,228	176.4
1983.....	789,955	1,810	1,429,769	3,834,364	5,264,133	1,533,563	595,616	937,947	174.5
1984.....	792,300	2,182	1,728,562	3,809,244	5,537,806	1,622,539	666,168	956,361	180.6
1985.....	688,420	2,196	1,512,038	3,865,380	5,377,418	1,621,480	620,281	1,011,199	164.5
1986.....	581,750	2,001	1,164,140	3,711,172	4,875,242	1,572,021	590,472	981,549	152.2
1987.....	587,340	2,028	1,190,874	3,335,715	4,526,589	1,688,778	571,425	1,118,353	157.0
1988 <sup>4</sup> .....	684,280	2,160	1,369,862	2,837,337	4,207,199				164.6

<sup>1</sup> July 1 for flue-cured types 11-14 and cigar types 61 and 62; Oct. 1 for all other types.

<sup>2</sup> Exports by rehanding trade included in totals of types from which they are made.

<sup>3</sup> Disappearance adjusted for tobacco still on farms at end of marketing year.

<sup>4</sup> Preliminary.

<sup>5</sup> Puerto Rican crop planted in the fall of the year shown and harvested the following spring.

<sup>6</sup> Includes Perique.

Includes Research Service. Basic export data from the official reports of the Department of Commerce.

Table 131.—Tobacco: Stocks owned by dealers and manufacturers, by types, United States, 1984-88 (farm-sales-weight basis)<sup>1</sup>

Type and year	Jan. 1	Apr. 1	July 1	Oct. 1	Type and year	Jan. 1	Apr. 1	July 1	Oct. 1
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds		1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
<b>Flue-cured, types 11-14:</b>					<b>Miami Valley (Ohio) filler, types 42-44:</b>				
1984	2,549,772	2,329,840	2,165,304	2,507,122	1984	5,389	6,112	6,376	5,861
1985	2,451,380	2,250,587	2,080,119	2,396,445	1985	4,850	6,503	6,520	6,181
1986	2,360,375	2,132,070	1,958,025	2,216,827	1986	6,045	6,483	6,366	7,073
1987	2,140,894	1,913,456	1,751,991	1,990,329	1987	6,872	7,162	6,923	6,321
1988	1,961,489	1,697,840	1,512,573	1,855,355	1988	6,022	5,721	5,761	5,804
<b>Virginia fire-cured, type 21:</b>					<b>Puerto Rican filler, type 46:<sup>2</sup></b>				
1984	10,026	10,308	9,603	8,046	1984	6,437	5,959	6,251	6,060
1985	9,455	12,340	11,352	10,046	1985	6,771	6,226	6,257	6,377
1986	6,930	9,218	7,057	5,901	1986	6,194	5,760	5,937	6,028
1987	7,634	8,820	7,907	7,055	1987	6,015	7,061	5,590	4,965
1988	8,015	7,754	7,558	6,558	1988	4,970	4,846	4,804	4,189
<b>Kentucky and Tennessee fire-cured, types 22-23:</b>					<b>Connecticut Valley, types 51-52:</b>				
1984	66,198	78,747	74,863	64,183	1984	7,810	7,664	7,309	6,661
1985	58,745	91,276	89,392	84,337	1985	6,426	6,579	6,087	5,942
1986	74,098	106,235	104,559	96,358	1986	6,240	6,916	7,096	6,523
1987	87,957	115,168	105,550	95,960	1987	6,901	6,446	6,204	6,404
1988	88,161	99,592	93,747	82,214	1988	6,196	6,650	6,323	6,227
<b>Burley, type 31:</b>					<b>Wisconsin, types 54-55:</b>				
1984	1,537,072	1,509,179	1,445,596	1,344,395	1984	57,617	68,918	63,350	58,519
1985	1,698,885	1,689,257	1,575,152	1,461,915	1985	56,043	68,582	60,084	57,433
1986	1,714,896	1,709,785	1,562,937	1,428,249	1986	50,057	73,302	58,895	53,394
1987	1,613,402	1,551,786	1,402,255	1,281,015	1987	50,014	57,360	54,671	47,400
1988	1,364,940	1,357,323	1,216,457	1,073,857	1988	45,026	48,934	38,645	36,106
<b>Maryland, type 32:</b>					<b>Connecticut Valley shade-grown, type 61:</b>				
1984	48,315	52,792	61,578	54,109	1984	4,160	3,920	3,684	3,164
1985	49,001	47,958	58,192	54,509	1985	3,340	2,904	2,807	3,033
1986	48,535	48,123	58,320	53,408	1986	3,527	2,718	2,633	2,365
1987	47,750	45,174	54,388	50,665	1987	2,631	2,309	2,185	1,773
1988	43,034	39,676	45,420	41,191	1988	2,701	2,171	1,752	1,569
<b>One Sucker, type 35:</b>					<b>Georgia and Florida shade-grown, type 62:</b>				
1984	30,986	31,994	31,091	28,672	1984	64	57	55	38
1985	28,817	35,858	33,664	31,275	1985	8	0	0	0
1986	32,961	35,563	33,475	32,115	1986	0	0	0	0
1987	33,309	33,664	31,468	30,576	1987	0	0	0	0
1988	30,393	30,845	28,976	25,345	1988	0	0	0	0
<b>Green River, type 36:</b>					<b>Perique, type 72:</b>				
1984	14,901	15,951	15,465	13,991	1984	170	187	164	387
1985	14,829	18,683	18,028	16,540	1985	167	200	183	175
1986	17,641	20,928	20,356	18,811	1986	145	208	182	257
1987	20,462	20,202	19,018	18,119	1987	134	198	137	128
1988	17,769	17,790	16,942	15,632	1988	96	105	97	93
<b>Virginia sun-cured, type 37:</b>					<b>Other miscellaneous domestic, type 73:</b>				
1984	1,594	1,612	1,480	1,361	1984	7,645	7,234	4,483	3,893
1985	1,402	1,619	1,494	1,418	1985	6,007	3,387	4,159	3,846
1986	1,207	1,357	987	933	1986	2,042	2,169	5,456	10,024
1987	1,049	1,181	952	955	1987	9,452	9,039	9,292	10,241
1988	963	988	979	829	1988	11,701	10,670	10,013	10,438
<b>Pennsylvania seedleaf, type 41:</b>									
1984	50,524	52,612	52,383	47,955					
1985	38,044	49,974	47,138	42,460					
1986	38,430	42,413	45,547	41,721					
1987	36,646	39,623	37,314	32,096					
1988	29,915	33,890	27,825	25,060					

See footnotes at end of table.

**Table 131.—Tobacco: Stocks owned by dealers and manufacturers, by types, United States, 1984-88 (farm-sales-weight basis) <sup>1</sup>—Continued**

Type and year	Jan. 1	Apr. 1	July 1	Oct. 1	Type and year	Jan. 1	Apr. 1	July 1	Oct. 1
Foreign-grown cigar-leaf, types 81-89:	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Foreign-grown cigarette and smoking, types 91-93:	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1984.....	83,268	89,484	87,599	86,685	1984.....	874,810	894,144	951,258	944,261
1985.....	90,659	85,020	85,916	81,499	1985.....	919,131	881,660	910,240	887,123
1986.....	88,993	86,158	86,133	80,678	1986.....	834,909	855,830	883,416	840,995
1987.....	76,444	72,129	66,697	65,243	1987.....	831,079	883,929	872,901	805,121
1988.....	62,220	61,674	61,278	67,172	1988.....	787,379	749,752	712,496	666,926

<sup>1</sup> Stocks shown have been converted to a farm-sales-weight basis—the equivalent of weight at the time of sale by grower—thereby making these data of leaf-tobacco stocks comparable with data of leaf-tobacco production.

<sup>2</sup> Stocks on the island of Puerto Rico are included.

Agricultural Marketing Service.

**Table 132.—Tobacco products: Cigars, cigarettes, chewing and smoking tobacco, and snuff, manufactured in the United States, 1979-88**

Year	Cigars		Cigarettes		Chewing tobacco				Smoking tobacco	Snuff	Total chewing, smoking, and snuff
	Large, weighing more than 3 pounds per 1,000 <sup>1</sup>	Small, weighing not more than 3 pounds per 1,000	Large, weighing more than 3 pounds per 1,000	Small, weighing not more than 3 pounds per 1,000 <sup>2</sup>	Plug	Twist	Fine-cut	Loose-leaf			
	Millions	Millions	Millions	Millions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1979.....	3,601	1,599	2.2	704,243	15,291	2,001	13,318	71,659	32,789	23,700	158,758
1980 <sup>3</sup> .....	3,454	1,440	1.3	714,307	17,345	1,878	14,747	72,071	32,184	24,296	162,521

<sup>1</sup> Cigars produced in bonded manufacturing warehouses are included. <sup>2</sup> "King size" cigarettes included in this category. <sup>3</sup> Last year of series presented in this format. New series began in 1981. See table below.

## Manufactured

Year	Cigars		Cigarettes		Chewing tobacco			Smoking tobacco			Snuff	Total chewing, smoking, and snuff
	Large	Small	Large <sup>1</sup>	Small	Plug	Twist	Loose-leaf	Pipe	Granulated	Cigarette cut		
	Mil-lions	Mil-lions	Mil-lions	Mil-lions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1981.....	3,428.0	1,395.2	.9	697,548.7	17,828	1,820	70,291	26,998	324	3,090	42,457	162,808
1982.....	3,168.8	1,203.5	2.5	694,190.8	15,671	1,748	72,973	25,314	348	2,680	43,750	162,304
1983.....	3,134.8	1,402.9	.8	666,907.9	14,096	1,690	71,028	23,654	378	3,965	46,676	161,487
1984.....	3,129.8	1,255.6	2.9	668,229.5	12,627	1,653	74,407	20,809	310	3,427	49,403	162,636
1985.....	2,825.7	1,244.5	.4	665,172.4	11,338	1,520	74,047	18,425	400	3,225	48,742	157,727
1986.....	2,927.6	487.3	.4	656,828.2	10,408	1,414	69,610	16,025	254	3,065	47,469	148,245
1987.....	2,133.4	1,141.2	1.0	689,174.1	10,000	1,434	67,270	14,159	69	3,772	47,185	143,889
1988 <sup>2</sup> .....	1,979.6	1,176.3	2.18	694,515.4	8,919	1,381	65,506	12,731	94	3,835	48,637	

Taxable removals and domestic invoices<sup>3</sup>

1981.....	3,744.8	1,364.5	.8	636,134.8	17,867	1,861	70,519	26,774	321	2,941	41,974	162,257
1982.....	3,556.1	1,304.2	.8	614,018.6	15,322	1,767	70,886	24,527	346	3,022	43,870	159,740
1983.....	3,459.7	1,334.3	1.0	597,468.3	13,935	1,709	70,923	22,975	362	3,639	45,689	159,232
1984.....	3,332.8	1,234.1	.7	597,896.6	12,627	1,632	72,974	20,567	328	3,422	47,672	161,222
1985.....	3,017.1	1,217.8	.3	594,935.8	11,861	1,516	71,732	18,091	384	3,272	48,630	155,486
1986.....	2,904.5	966.6	.2	583,018.9	10,215	1,432	67,147	15,623	256	3,310	46,688	144,671
1987.....	2,673.5	1,153.4	.5	577,907.2	9,763	1,450	65,181	13,756	131	3,807	45,093	139,181
1988 <sup>2</sup> .....	2,428.3	1,160.4	.32	543,378.6	8,517	1,342	64,832	12,506	111	3,760	47,809	

## Tax-free removals and exports

1981.....	160.2	13.5	0	91,953.6	131	0	50	788	0	3	117	1,089
1982.....	158.2	22.3	(*)	82,117.9	131	0	64	699	0	2	1,008	1,904
1983.....	140.0	16.8	0	69,680.1	132	0	74	610	0	2	951	1,769
1984.....	120.5	13.9	0	66,499.9	102	0	80	433	0	1	1,176	1,792
1985.....	101.3	4.9	0	74,302.8	90	0	97	1,205	0	0	997	2,389
1986.....	101.3	4.9	0	74,302.8	90	0	97	1,205	0	0	997	2,389
1987.....	82.8	2.4	0	111,198.0	266	0	149	541	0	0	774	1,730
1988 <sup>2</sup> .....	78.0	3.2	0	132,952.4	185	0	76	566	0	0	917	

<sup>1</sup> Weighing more than three pounds per thousand. <sup>2</sup> Preliminary. <sup>3</sup> Includes cigars and cigarettes imported or brought into the United States and Puerto Rico. <sup>4</sup> Less than 50,000.

**Table 133.—Tobacco products: Consumption, total and per capita (18 years of age and over) in the United States, 1974-88<sup>1</sup>**

Year	Cigarettes			Large cigars <sup>2</sup>			Smoking, chewing, and snuff <sup>3</sup>		All tobacco products <sup>3</sup>	
	Total		Per capita	Total		Per capita	Total	Per capita	Total	Per capita
	<i>Billions</i>	<i>Million pounds</i>	<i>Number</i>	<i>Billions</i>	<i>Million pounds<sup>4</sup></i>	<i>Number</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	599	1,142	4,141	6.4	102	44	109	0.75	1,361	9.41
1975.....	607	1,138	4,123	5.8	93	39	106	.72	1,346	9.14
1976.....	614	1,102	4,092	5.4	86	36	109	.73	1,291	8.61
1977.....	617	1,101	4,051	5.0	82	33	107	.70	1,256	8.49
1978.....	616	1,086	3,987	4.7	78	30	107	.69	1,258	8.10
1979.....	622	1,145	3,861	4.3	71	27	109	.68	1,330	8.26
1980.....	632	1,113	3,849	4.0	66	24	111	.68	1,295	7.90
1981.....	640	1,089	3,836	3.9	64	23	112	.67	1,266	7.59
1982.....	634	1,094	3,739	3.7	60	22	110	.65	1,265	7.46
1983.....	600	1,065	3,488	3.6	59	21	110	.64	1,237	7.19
1984.....	600	1,025	3,446	3.5	57	20	108	.63	1,193	6.85
1985.....	594	1,042	3,370	3.2	53	18	106	.61	1,201	6.81
1986.....	584	1,022	3,274	3.1	50	17	100	.56	1,170	6.56
1987.....	575	1,019	3,197	2.7	44	15	96	.53	1,160	6.45
1988 <sup>5</sup> .....	563	985	3,096	2.5	41	14	95	.52	1,132	6.23

<sup>1</sup> Includes consumption by overseas forces.<sup>2</sup> Weighing over 3 pounds per 1,000.<sup>3</sup> Unstemmed-processing weight equivalent.<sup>4</sup> Includes weight of small cigars.<sup>5</sup> Preliminary.

Economic Research Service. No adjustment made for quantities lost, destroyed, bartered, etc., under war and postwar conditions, but such adjustments probably would be small in relation to totals.

**Table 134.—Cigarettes and cigars: Total output, domestic consumption, tax-exempt removals, and exports, United States, 1974-88**

Year	Cigarettes				Cigars <sup>3</sup>			
	Total output	Domestic consumption <sup>1</sup>	Tax-exempt removals <sup>2</sup>		Total output <sup>4</sup>	Domestic consumption <sup>1</sup>	Tax-exempt removals <sup>2</sup>	
			Total	Exports			Total	Exports
	<i>Billions</i>	<i>Billions</i>	<i>Billions</i>	<i>Billions</i>	<i>Millions</i>	<i>Millions</i>	<i>Millions</i>	<i>Millions</i>
1974.....	635.0	588.6	59.2	46.9	6,462	6,356	136	86
1975.....	651.2	596.4	62.3	49.9	5,743	5,804	125	92
1976.....	693.4	604.7	72.1	61.4	5,403	5,373	144	124
1977.....	665.9	606.8	78.1	66.8	5,031	4,988	134	117
1978.....	695.9	605.4	85.1	74.4	4,781	4,702	164	166
1979.....	704.4	607.8	93.2	79.7	4,443	4,304	179	177
1980.....	714.1	631.5	94.2	82.0	4,044	4,001	201	200
1981.....	736.5	640.0	92.0	82.6	3,962	3,893	160	181
1982.....	694.2	634.0	82.1	73.6	3,669	3,667	158	181
1983.....	667.0	600.0	69.7	60.7	3,564	3,605	140	130
1984.....	668.8	600.4	67.1	56.5	3,501	3,493	121	104
1985.....	665.3	594.0	66.5	58.9	3,127	3,197	95	101
1986.....	652.0	583.8	74.3	64.3	2,932	3,055	96	62
1987.....	689.4	575.0	111.3	100.2	2,133	2,728	86	145
1988 <sup>5</sup> .....	694.5	562.5	133.0	118.5	1,980	2,531	78	87

<sup>1</sup> As indicated by taxable removals and imports, and estimated inventory changes.<sup>2</sup> In addition to exports, tax-exempt removals include principally shipments to forces overseas, to United States possessions, and ships' stores.<sup>3</sup> Includes cigarillos but excludes small (approximately cigarette-size) cigars.<sup>4</sup> Includes cigars shipped to mainland United States from Puerto Rico.<sup>5</sup> Preliminary.

Economic Research Service. Compiled from annual and monthly reports of the Internal Revenue Service, U.S. Treasury Department, and the Commerce Department.

Table 135.—Tobacco: Price-support loan operations, United States, 1974-88 <sup>1</sup>

Year	Flue-cured, types 11-14			Burley, type 31		
	Support price per pound	Placed under loan		Support price per pound	Placed under loan	
		Quantity	Percentage of production		Quantity	Percentage of production
	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>
1974.....	83.3	25	2.0	85.8	3	0.5
1975.....	93.2	259	18.2	96.1	51	7.5
1976.....	106.0	277	21.1	109.3	46	7.1
1977.....	113.8	196	17.4	117.3	56	9.2
1978.....	121.0	64	5.3	124.7	67	10.9
1979.....	129.3	72	7.4	133.3	7	1.4
1980.....	141.5	137	12.6	145.9	( <sup>2</sup> )	.....
1981.....	158.7	106	9.3	163.6	1	.....
1982.....	169.9	259	26.0	175.1	269	34.8
1983.....	169.9	195	22.8	175.1	256	<sup>3</sup> 48.7
1984.....	169.9	159	18.4	175.1	201	27.5
1985.....	169.9	132.2	16.7	148.8	82.7	14.8
1986.....	143.8	55.5	8.4	148.8	38.8	9.2
1987.....	143.5	24.8	3.6	148.8	90.0	21.1
1988.....	144.2	15.2	1.9	150.0	14.6	3.2

<sup>1</sup> Support operations for minor kinds of tobacco not shown. Burley and flue-cured usually account for over 95 percent of tobacco loan placements.

<sup>2</sup> Less than 500,000 pounds.

<sup>3</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 136.—Tobacco, unmanufactured: United States imports for consumption, by country of origin, 1986-88

Classification and country of origin	1986	1987	1988 <sup>1</sup>	Classification and country of origin	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Cigarette leaf:</b>				<b>Scrap:</b>			
Brazil.....	34,085	44,147	38,252	Dominican Republic.....	1,395	892	621
Greece.....	15,696	15,843	11,250	Brazil.....	1,509	.....	.....
Yugoslavia.....	6,740	5,994	3,870	Italy.....	2,668	1,329	785
Canada.....	12,804	10,510	6,350	Turkey.....	4,603	5,032	4,842
Italy.....	3,118	3,652	2,181	Philippines.....	1,567	717	385
Turkey.....	51,617	51,068	46,425	Indonesia.....	2,745	2,455	2,046
Korea, Rep. of.....	6,020	4,443	4,774	Other countries.....	9,612	6,649	4,563
Bulgaria.....	5,090	5,725	5,603	<b>Total.....</b>	<b>19,496</b>	<b>17,074</b>	<b>13,242</b>
Thailand.....	6,306	5,844	4,012				
Other countries.....	26,148	28,059	35,138	<b>Stems:</b>			
<b>Total.....</b>	<b>167,624</b>	<b>175,285</b>	<b>157,855</b>	Canada.....	1,374	1,843	1,130
				Dominican Republic.....	71	367	113
<b>Cigar filler:</b>				Brazil.....	8,497	10,649	6,761
Unstemmed:				Argentina.....	2,250	3,991	1,588
Dominican Republic.....	1,584	895	1,312	Philippines.....	1,444	761	713
Nicaragua.....	9	0	0	Other countries.....	4,977	6,010	6,312
Philippines.....	22	31	303	<b>Total.....</b>	<b>18,613</b>	<b>23,621</b>	<b>16,617</b>
Mexico.....	34	606	452				
Other countries.....	862	1,021	1,560	<b>N.S.P.F.:</b>			
Stemmed:				Brazil.....	0	0	0
Honduras.....	45	11	43	Korea, Rep. of.....	0	0	0
Mexico.....	85	414	467	Mexico.....	0	0	0
Dominican Republic.....	505	266	244	Italy.....	0	0	0
Other countries.....	222	2,374	3,598	Argentina.....	0	0	0
<b>Total.....</b>	<b>3,368</b>	<b>5,618</b>	<b>7,979</b>	Malawi.....	0	0	0
				Other countries.....	3	0	0
<b>Cigar wrapper:</b>				<b>Total.....</b>	<b>3</b>	<b>0</b>	<b>0</b>
Honduras.....	226	120	213				
Nicaragua.....	5	1	2	<b>Grand total <sup>2</sup>.....</b>	<b>209,969</b>	<b>222,201</b>	<b>196,433</b>
Cameroon.....	120	111	100				
Other countries.....	515	371	425				
<b>Total.....</b>	<b>866</b>	<b>603</b>	<b>740</b>				

<sup>1</sup> Preliminary.

<sup>2</sup> Total includes mixed filler and wrapper which is not shown separately.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 137.—Tobacco, unmanufactured: International trade, 1985-87

Continent and country	1985 <sup>1</sup>		1986 <sup>1</sup>		1987 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North and Central America (incl. Caribbean):</b>						
Canada.....	28,463	1,311	28,898	1,725	26,701	527
Costa Rica.....	0	0	0	0	15	17
Cuba.....	15,000	0	16,000	0	16,000	0
Dominican Republic.....	15,174	1,875	14,180	1,437	11,000	1,100
El Salvador.....	130	600	102	579	100	300
Guatemala.....	6,070	11	4,750	0	4,485	554
Haiti.....	90	500	100	300	100	300
Honduras.....	1,800	500	1,375	212	1,200	50
Jamaica.....	410	370	410	370	400	350
Mexico.....	9,260	1,300	11,455	1,214	8,055	1,500
Nicaragua.....	1,300	0	1,300	0	1,300	0
Panama.....	475	109	421	94	410	133
Trinidad-Tobago.....	0	1,000	0	750	0	750
United States (incl. Puerto Rico) <sup>2</sup>	249,015	202,132	216,583	206,623	195,026	221,586
<b>Total.....</b>	<b>322,187</b>	<b>209,708</b>	<b>295,554</b>	<b>213,304</b>	<b>264,787</b>	<b>227,167</b>
<b>South America:</b>						
Argentina.....	28,531	315	22,363	154	23,487	27
Bolivia.....	0	1,500	0	1,500	0	1,500
Brazil.....	200,000	0	176,000	0	173,000	0
Chile.....	1,980	310	1,100	560	1,894	272
Colombia.....	11,188	4,200	13,492	4,500	8,944	3,064
Ecuador.....	200	1,000	200	1,100	200	1,100
Guyana.....	0	310	0	310	0	310
Paraguay.....	5,393	1,580	5,299	1,500	7,234	1,450
Peru.....	100	1,471	100	1,500	100	1,500
Surinam.....	0	75	0	120	0	120
Uruguay.....	0	3,481	0	3,500	0	3,500
Venezuela.....	0	0	100	0	276	0
<b>Total.....</b>	<b>247,392</b>	<b>14,242</b>	<b>218,654</b>	<b>14,744</b>	<b>215,135</b>	<b>12,843</b>
<b>Europe:</b>						
Belgium-Luxembourg.....	5,935	37,627	7,201	39,993	3,031	38,966
Denmark <sup>3</sup> .....	1,499	16,716	1,552	17,914	2,003	17,945
France <sup>4</sup> .....	8,191	41,316	10,285	42,594	9,979	35,399
Germany, Fed. Rep. of <sup>5</sup> .....	28,940	187,252	24,541	167,899	30,213	145,926
Greece.....	84,885	5,520	100,864	5,130	112,464	4,200
Ireland <sup>6</sup> .....	130	6,871	150	6,300	0	6,300
Italy.....	85,013	40,198	91,355	39,189	106,358	61,303
Netherlands.....	9,680	82,051	15,233	86,323	13,727	89,277
United Kingdom.....	6,315	120,235	4,215	101,214	8,384	109,258
<b>Total EC.....</b>	<b>230,588</b>	<b>537,786</b>	<b>250,186</b>	<b>493,084</b>	<b>286,159</b>	<b>508,574</b>
Austria.....	190	11,807	246	11,630	127	11,566
Finland.....	0	6,934	0	7,124	0	7,451
Malta-Gozo.....	50	2,031	50	2,160	0	2,200
Norway.....	0	5,485	0	5,156	0	5,100
Portugal (incl. Azores).....	211	6,880	459	6,058	955	8,495
Spain.....	1,134	66,576	1,026	60,317	3,787	59,412
Sweden.....	0	18,438	0	9,855	17	9,036
Switzerland.....	4,934	20,366	5,230	19,443	6,619	21,665
<b>Total Western Europe.....</b>	<b>237,107</b>	<b>671,303</b>	<b>257,197</b>	<b>614,827</b>	<b>297,664</b>	<b>633,499</b>
Albania.....	4,000	0	7,000	0	6,000	0
Bulgaria.....	62,000	35,500	61,563	37,000	55,600	30,500
Czechoslovakia.....	0	21,000	0	20,000	500	18,000
Germany, Dem. Rep. of.....	0	20,500	514	19,900	400	19,960
Hungary.....	900	5,217	900	4,800	850	5,300
Poland.....	7,275	9,576	10,992	11,899	10,886	12,134
Romania.....	4,000	3,000	3,000	3,500	3,400	8,000
Yugoslavia.....	15,120	14,200	14,000	3,835	16,322	7,526
<b>Total Eastern Europe.....</b>	<b>93,295</b>	<b>108,993</b>	<b>97,969</b>	<b>100,924</b>	<b>93,958</b>	<b>101,420</b>
<b>Total Europe.....</b>	<b>330,402</b>	<b>780,296</b>	<b>355,166</b>	<b>715,751</b>	<b>391,622</b>	<b>734,919</b>
<b>Soviet Union.....</b>	<b>3,000</b>	<b>100,000</b>	<b>3,000</b>	<b>100,000</b>	<b>3,000</b>	<b>100,000</b>
<b>Africa:</b>						
Algeria.....	0	9,345	0	9,200	0	10,288
Angola.....	0	150	0	150	0	150
Benin (Dahomey).....	0	1,412	0	1,400	0	1,450

See footnotes at end of table.

Table 137.—Tobacco, unmanufactured: International trade, 1985-87—Continued

Continent and country	1985 <sup>1</sup>		1986 <sup>1</sup>		1987 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Africa—Continued</b>						
Cameroon .....	1,550	2,307	1,500	2,300	1,600	2,063
Congo, Republic of .....	0	1,000	0	1,000	0	1,030
Egypt .....	0	33,324	0	37,896	0	44,280
Ghana .....	0	500	500	322	500	322
Ivory Coast .....	0	3,650	0	3,500	0	3,500
Kenya .....	750	100	750	100	750	100
Liberia .....	0	300	0	300	0	300
Libya .....	0	2,500	0	2,500	0	2,500
Madagascar .....	500	250	500	250	500	400
Malawi .....	61,337	0	57,563	0	63,175	0
Morocco .....	50	9,924	0	16,335	0	17,810
Mozambique .....	0	1,000	0	1,000	0	1,000
Nigeria .....	0	395	0	384	0	308
Senegal .....	0	3,500	0	3,700	0	3,700
Sierra Leone .....	0	600	0	500	0	500
South Africa .....	7,605	4,048	8,405	10,492	4,371	17,983
Tanzania .....	6,010	0	6,000	0	6,050	0
Tunisia .....	607	5,549	2,085	7,852	1,054	5,500
Uganda .....	0	500	0	500	0	500
Zaire .....	0	500	0	400	0	400
Zambia .....	2,300	0	2,000	0	2,000	0
Zimbabwe .....	98,625	200	90,023	0	99,298	0
<b>Total .....</b>	<b>179,334</b>	<b>81,054</b>	<b>169,326</b>	<b>100,381</b>	<b>179,298</b>	<b>102,196</b>
<b>Asia:</b>						
Bangladesh .....	1,524	125	1,000	150	1,000	150
Burma .....	6,000	0	10,000	0	10,000	0
China .....	19,231	10,510	17,287	15,328	18,986	26,077
Taiwan .....	5,678	15,730	986	12,882	1,784	7,568
Cyprus .....	225	4,700	250	4,500	250	5,000
Hong Kong .....	6,700	17,000	1,149	12,290	309	15,561
India .....	64,440	1	61,762	9	53,108	4
Indonesia .....	20,227	10,346	23,092	9,825	18,694	10,762
Iran <sup>7</sup> .....	0	1,000	0	1,000	0	1,500
Iraq .....	0	7,000	0	6,000	0	9,000
Israel .....	0	5,774	25	6,900	0	6,400
Japan <sup>7</sup> .....	3,200	70,000	12,000	66,300	18,960	75,985
Jordan .....	0	2,250	0	1,850	0	2,358
Kampuchea .....	0	2,200	0	2,200	0	2,200
Korea, Dem. Peo. Rep. of .....	20,000	0	20,000	0	20,000	0
Korea, Rep. of .....	23,283	837	24,423	3,884	22,325	3,371
Kuwait .....	70	470	70	500	70	500
Laos .....	0	1,500	0	1,500	0	1,500
Lebanon .....	3,000	400	3,000	400	3,000	400
Malaysia .....	1	5,412	10	5,198	44	3,386
Pakistan .....	583	149	515	110	513	150
Philippines .....	18,021	11,229	19,051	12,679	15,185	10,293
Singapore .....	3,042	4,467	2,623	3,973	1,091	3,041
Sri Lanka .....	400	0	500	0	500	0
Syria .....	188	0	10	0	5	0
Thailand .....	32,907	8,736	33,038	9,288	26,953	3,374
Turkey .....	102,726	0	81,952	0	106,241	0
Yemen (South) .....	500	3,500	0	4,600	0	4,824
Yemen (Aden) .....	500	3,500	500	3,500	500	3,500
<b>Total .....</b>	<b>326,996</b>	<b>186,836</b>	<b>310,543</b>	<b>184,866</b>	<b>319,518</b>	<b>196,904</b>
<b>Oceania:</b>						
Australia .....	10	9,559	223	11,513	492	12,396
New Zealand .....	200	4,500	0	4,490	0	2,900
<b>Total .....</b>	<b>210</b>	<b>14,059</b>	<b>223</b>	<b>16,003</b>	<b>492</b>	<b>15,296</b>
<b>World total .....</b>	<b>1,414,915</b>	<b>1,386,345</b>	<b>1,352,446</b>	<b>1,345,049</b>	<b>1,373,852</b>	<b>1,389,325</b>

<sup>1</sup> Preliminary. <sup>2</sup> Exports include re-exports of Foreign grown tobacco. General imports, including the category "Tobacco Manufactured or Not Manufactured, Not Specifically Provided For". <sup>3</sup> Imports are actual arrivals. <sup>4</sup> Actual arrivals. <sup>5</sup> Exports are actual shipments. <sup>6</sup> Purchases by manufacturers. <sup>7</sup> Fiscal Year (April-March).

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 138.—Tobacco, unmanufactured: United States exports (domestic), by country of destination, total and by types, 1986-88**

Type and country of destination	1986	1987	1988 <sup>1</sup>	Type and country of destination	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Total unmanufactured:<sup>2</sup></b>				<b>Pakistan</b> .....	168	286	266
Canada	584	336	263	<b>Philippines</b> .....	1,921	1,456	1,337
Panama	90	105	79	<b>Singapore</b> .....	377	220	575
Jamaica	125	154	255	<b>Thailand</b> .....	2,484	2,632	3,049
Dominican Republic	1,485	1,086	1,452	<b>Australia</b> .....	4,080	2,769	2,876
Chile	1	1	0	<b>New Zealand</b> .....	691	617	620
Ecuador	59	11	0	<b>Other countries</b> .....	6,919	7,845	9,145
<b>Belgium and Luxembourg</b> .....				<b>Total</b> .....	117,988	102,210	121,444
France	4,598	3,716	4,401	<b>Burley:</b>			
Germany, Fed. Rep. of	3,830	3,052	2,576	Chile	0	0	0
Italy	37,517	31,434	39,538	<b>Belgium and Luxembourg</b> .....			
Netherlands	10,197	10,159	14,676	France	1,568	1,053	996
Austria	14,173	14,568	18,578	Germany, Fed. Rep. of	575	278	420
Denmark	788	638	774	Italy	10,079	8,439	11,393
Finland	6,592	7,088	7,439	Netherlands	3,852	2,680	3,281
Ireland	1,347	1,324	1,727	Norway	4,120	3,494	4,341
Norway	1,534	542	911	Austria	35	17	18
Portugal	1,960	1,499	1,700	Denmark	1,091	1,310	1,799
Spain	163	96	97	Finland	268	137	329
Sweden	6,300	5,240	6,019	Norway	100	37	17
Switzerland	4,649	3,630	5,456	Sweden	927	815	1,019
United Kingdom	5,231	5,713	7,042	Switzerland	1,999	1,701	1,683
Libya	9,894	7,560	8,900	Syria	0	0	0
Egypt	0	0	0	Hong Kong	1,124	1,639	2,673
Canary Islands	21,082	5,060	7,120	Japan	11,504	14,472	10,004
Cameroon	0	0	0	Philippines	2,463	5,104	2,080
Ghana	499	63	76	Thailand	3,415	750	3,072
Nigeria	56	30	6	Other countries	4,290	3,191	3,530
Zaire	366	1,056	1,339	<b>Total</b> .....	47,410	45,117	46,655
Israel	27	0	0	<b>Dark-fired Kentucky-Tennessee:</b>			
Taiwan	897	822	798	<b>Belgium and Luxembourg</b> .....			
Hong Kong	6,659	3,067	10,106	France	54	225	182
Korea, Rep. of	5,671	7,088	11,161	Germany, Fed. Rep. of	938	833	671
Japan	1,122	171	1,982	Italy	21	160	221
Malaysia	37,761	47,799	31,942	Netherlands	36	285	290
Philippines	3,596	2,588	2,674	Denmark	4,747	4,245	4,092
Singapore	4,385	6,700	3,522	Ireland	49	18	49
Thailand	582	386	875	Norway	0	0	0
Syria	5,899	3,383	6,121	Canary Islands	0	0	26
Australia	0	0	0	Sweden	0	0	0
New Zealand	5,323	3,853	4,064	Switzerland	413	214	754
Other countries	889	794	749	United Kingdom	35	37	113
<b>Total</b> .....	10,630	14,227	14,129	Egypt	52	0	0
	216,556	195,039	218,542	Tunisia	0	171	269
<b>Flue-cured:</b>				Cameroon	0	0	70
Panama	71	70	54	Indonesia	104	24	12
Jamaica	0	115	88	Other countries	76	644	52
Chile	0	0	0	<b>Total</b> .....	70	537	1,081
Ecuador	0	0	0	<b>Black Fat:</b>			
<b>Belgium and Luxembourg</b> .....				Niger	148	0	0
France	2,528	1,377	2,322	Cameroon	337	0	0
Germany, Fed. Rep. of	805	712	671	Benin	473	440	28
Italy	21,709	15,681	21,746	Nigeria	185	690	722
Netherlands	5,043	4,752	8,487	Togo	56	0	0
Austria	4,420	5,544	8,590	Other countries	148	52	18
Denmark	718	579	737	<b>Total</b> .....	1,347	1,182	768
Finland	3,969	3,715	3,735	<b>Dark-fired Virginia and sun-cured:</b>			
Ireland	581	354	591	Germany, Fed. Rep. of	2	235	56
Norway	938	441	805	Italy	916	747	0
Portugal	1,082	1,135	1,317	Austria	8	9	14
Spain	15	22	708	Denmark	13	207	0
Sweden	840	22	0	Norway	718	207	322
Switzerland	1,652	1,405	1,878	Sweden	228	137	115
United Kingdom	1,384	1,365	2,432	Switzerland	47	18	33
Libya	7,380	5,730	6,643	United Kingdom	299	0	0
Libya	0	0	0	Netherlands	0	0	0
Egypt	14,003	3,239	5,154	Other countries	74	649	296
Syria	0	0	0	<b>Total</b> .....	2,305	2,002	896
Taiwan	6,659	3,054	9,909				
Hong Kong	3,701	4,302	6,544				
Indonesia	268	335	735				
Japan	21,061	30,355	18,775				
Malaysia	2,516	2,103	1,655				

See footnotes at end of table.



Table 138.—Tobacco, unmanufactured: United States exports (domestic), by country of destination, total and by types, 1986–88—Continued

Type and country of destination	1986	1987	1988 <sup>1</sup>	Type and country of destination	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Maryland:				Cigar filler:			
Belgium and Luxembourg.....	115	141	65	Dominican Republic.....	47	0	2
Germany, Fed. Rep. of.....	467	552	183	Jamaica.....	0	0	0
Netherlands.....	157	152	149	Other countries.....	44	83	113
Norway.....	11	5	6	Total.....	91	83	115
Egypt.....	129	0	0	Perique:			
Israel.....	200	56	115	Benin (Dahomey).....	66	38	0
Switzerland.....	1,007	1,082	461	Germany, Fed. Rep. of.....	1	3	7
Other countries.....	373	563	420	France.....	0	72	0
Total.....	2,459	2,501	1,399	United Kingdom.....	1	1	0
One sucker:				Australia.....	7	7	7
Germany, Fed. Rep. of.....	0	0	0	Other countries.....	5	2	24
Bahamas.....	3	18	29	Total.....	80	123	38
Nepal.....	0	0	0	Trimmings, stems, and			
Other countries.....	37	30	57	scrap:			
Total.....	40	48	86	Canada.....	238	130	117
Green River:				Italy.....	0	1,282	2,619
Netherlands.....	0	0	0	Jamaica.....	44	0	0
United Kingdom.....	0	0	1	Dominican Republic.....	96	54	33
Italy.....	0	0	0	Surinam.....	12	0	0
Other countries.....	2	0	1	Belgium and Luxembourg.....	283	807	520
Total.....	2	0	2	France.....	1,496	872	769
Cigar wrapper:				Germany, Fed. Rep. of.....	4,950	5,808	5,658
Canada.....	8	9	0	Netherlands.....	671	1,130	1,376
Jamaica.....	15	0	0	Austria.....	6	32	0
Dominican Republic.....	944	708	953	Denmark.....	1,465	1,998	1,851
Belgium and Luxembourg.....	0	0	0	Finland.....	351	781	639
Germany, Fed. Rep. of.....	5	5	3	Ireland.....	595	101	105
Netherlands.....	19	3	0	Norway.....	49	114	12
Canary Islands.....	0	0	0	Sweden.....	1,430	1,059	1,690
Nigeria.....	0	0	0	Switzerland.....	747	1,539	2,293
Other countries.....	43	74	78	United Kingdom.....	2,083	1,778	1,531
Total.....	1,045	799	1,034	Ghana.....	8	2	0
Cigar binder:				Spain.....	4,836	4,998	4,969
Canada.....	27	41	0	Hong Kong.....	774	856	1,638
Honduras.....	15	21	74	Japan.....	5,195	2,970	3,062
Dominican Republic.....	9	28	0	Malaysia.....	722	307	855
Benin (Dahomey).....	0	0	0	Egypt.....	5,032	1,381	1,425
Other countries.....	3	8	28	Singapore.....	107	130	207
Total.....	54	98	102	Australia.....	1,044	859	855
				New Zealand.....	179	143	122
				Other countries.....	2,391	2,569	3,772
				Total.....	34,804	31,700	36,118

<sup>1</sup> Preliminary.<sup>2</sup> Includes Re-Exports

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

## CHAPTER III

# STATISTICS OF OILSEEDS, FATS, AND OILS

This chapter includes information on cottonseed, flaxseed, olive oil, peanuts, soybeans, margarine, and fats and oils. Most butter statistics are included in the chapter on dairy and poultry statistics. Lard data are mostly in the chapter on livestock.

**Table 139.—Cottonseed: All cotton area and cottonseed production, farm disposition, marketing year average price per ton received by farmers, and value, United States, 1974-88**

Year	Harvested area of all cotton	Cottonseed				
		Production	Total sales to oil mills	Other <sup>1</sup>	Marketing year average price	Value of production
	1,000 acres	1,000 tons	1,000 tons	1,000 tons	Dollars	1,000 dollars
1974	12,546.6	4,509.9	4,290.6	219.3	136.00	611,217
1975	8,796.0	3,218.0	2,863.6	354.4	97.00	312,264
1976	10,913.5	4,122.0	3,768.1	353.9	103.00	425,411
1977	13,275.3	5,521.4	4,832.1	689.3	70.30	388,035
1978	12,400.0	4,269.2	3,878.0	391.2	114.00	485,609
1979	12,830.9	5,778.3	4,779.2	999.1	121.00	697,617
1980	13,214.8	4,470.5	3,957.2	513.3	129.00	574,511
1981	13,841.2	6,396.9	5,101.5	1,295.4	86.00	549,041
1982	9,733.9	4,743.9	3,581.1	1,162.8	77.00	366,240
1983	7,347.5	3,075.7	2,460.5	615.2	166.00	511,450
1984	10,379.1	5,148.9	4,291.4	857.5	99.50	511,953
1985	10,229.0	5,279.2	3,755.7	1,523.5	66.00	347,640
1986	8,468.4	3,800.9	2,990.5	810.4	80.00	303,965
1987	10,035.3	5,769.2	4,590.1	1,179.1	82.50	474,703
1988 <sup>2</sup>	11,943.2	6,061.8	4,828.6	1,233.2	119.00	718,255

<sup>1</sup> Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses. <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 140.—Cottonseed: Production, farm disposition, and marketing year average price per ton received by farmers, by States, 1986-88**

State	Production			Total sales to oil mills			Other <sup>2</sup>			Price per ton for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Dollars	Dollars	Dollars
AL	122.0	150.0	136.0	78.0	77.0	94.0	44.0	73.0	42.0	62.00	78.50	105.00
AZ	309.0	390.0	433.0	253.0	257.0	259.0	56.0	133.0	174.0	95.00	95.50	129.00
AR	228.0	338.0	404.0	221.0	331.0	353.0	7.0	7.0	51.0	58.50	71.00	102.00
CA	875.0	1,151.8	1,116.3	522.0	722.5	706.8	353.0	429.3	409.5	102.00	89.50	147.00
FL	9.8	14.4	12.0	9.5	14.1	11.8	.3	.3	.2	67.00	80.00	105.00
GA	64.0	122.0	129.0	30.0	51.0	71.0	34.0	71.0	58.0	91.00	85.00	131.00
KS	.3	.4	.3	.2	.3	.2	.1	.1	.1	93.50	77.00	108.00
LA	257.0	378.0	363.0	215.0	359.0	333.0	42.0	19.0	30.0	64.50	76.50	113.00
MS	458.0	678.0	712.0	426.0	622.0	676.0	32.0	56.0	36.0	58.50	75.50	104.00
MO	81.0	130.0	124.0	76.0	114.0	117.0	5.0	16.0	7.0	63.00	71.00	110.00
NM	30.5	42.3	49.0	21.7	14.5	16.0	8.8	27.8	33.0	95.00	97.00	125.00
NC	40.0	33.0	48.0	18.0	16.0	32.0	22.0	17.0	16.0	81.00	76.00	122.00
OK	85.0	155.0	117.0	79.0	148.0	88.0	6.0	7.0	29.0	93.50	77.00	108.00
SC	31.0	36.0	49.0	28.0	20.0	37.0	3.0	16.0	12.0	90.00	85.00	126.00
TN	157.0	235.0	237.0	152.0	229.0	232.0	5.0	6.0	5.0	66.50	77.00	111.00
TX	1,052.8	1,914.8	2,131.0	860.7	1,614.5	1,801.0	192.1	300.3	330.0	78.00	82.50	112.00
VA	.5	.5	1.2	.4	.2	.8	.1	.3	.4	81.00	76.00	122.00
US	3,800.9	5,769.2	6,061.8	2,990.5	4,590.1	4,828.6	810.4	1,179.1	1,233.2	80.00	82.50	119.00

<sup>1</sup> Preliminary. <sup>2</sup> Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.  
National Agricultural Statistics Service.

**Table 141.—Cottonseed: Crushings, output of products and product prices, United States, 1974-87**

Year beginning August	Quantity crushed	Cottonseed products and prices				Year beginning August	Quantity crushed	Cottonseed products and prices			
		Crude oil		Cake and meal				Crude oil		Cake and meal	
		Quantity	Price <sup>1</sup>	Quantity	Price <sup>2</sup>			Quantity	Price <sup>1</sup>	Quantity	Price <sup>2</sup>
	1,000 tons	Mil- lion pounds	Cents per pound	1,000 tons	Dollars per ton		1,000 tons	Mil- lion pounds	Cents per pound	1,000 tons	Dollars per ton
1974.....	4,226	1,347	33.87	1,885	120.58	1982.....	3,800	1,134	21.8	1,588	176.65
1975.....	2,952	918	23.5	1,238	145.00	1983.....	2,583	777	32.8	1,134	190.22
1976.....	3,499	1,198	24.8	1,643	173.65	1984.....	3,514	1,174	29.2	1,732	99.35
1977.....	4,313	1,453	25.4	2,083	139.70	1985.....	3,417	1,070	17.6	1,526	133.27
1978.....	4,127	1,282	31.6	1,885	164.80	1986.....	2,520	781	17.7	1,112	148.53
1979.....	4,230	1,423	25.3	2,049	164.13	1987.....	3,396	1,204	22.0	1,647	178.50
1980.....	4,076	1,191	25.9	1,790	197.06						
1981.....	4,575	1,551	20.1	2,190	156.15						

<sup>1</sup> Tanks, f.o.b. Valley Points. <sup>2</sup> 41 percent protein, solvent, Memphis.

Economic Research Service. Compiled from annual reports of the U.S. Department of Commerce.

**Table 142.—Cottonseed: Quality of cottonseed and number of samples graded, United States, 1975-88 <sup>1</sup>**

Year beginning August	Cottonseed quality analysis <sup>2</sup>					Quantity <sup>3</sup>	Quality <sup>4</sup>	Average grade <sup>5</sup>	Samples graded <sup>6</sup>
	Oil	Ammonia	Moisture	Free fatty acids	Foreign matter				
	Percent	Percent	Percent	Percent	Percent				
	Index	Index	Index	Index	Index	Index	Index	Index	Number
1975.....	18.0	3.75	10.6	1.4	1.6	99.50	97.0	96.5	44,250
1976.....	17.7	3.88	10.6	.7	1.8	98.93	98.4	97.5	52,048
1977.....	17.5	3.99	10.8	1.8	1.4	98.85	95.6	94.5	61,466
1978.....	17.4	4.08	10.5	.9	1.5	98.97	98.5	98.0	50,418
1979.....	17.6	3.92	10.3	1.0	1.7	98.92	97.7	97.0	56,792
1980.....	16.9	4.08	10.4	.9	1.7	97.17	98.0	95.5	38,224
1981.....	17.2	3.97	10.1	.8	2.0	97.69	98.1	96.0	50,636
1982.....	17.5	3.89	10.9	1.1	1.4	98.22	98.0	96.5	33,612
1983.....	17.0	4.02	11.0	.7	1.6	97.12	98.4	96.0	24,549
1984.....	17.0	3.94	11.4	2.1	1.7	96.63	93.8	90.5	39,970
1985.....	17.3	3.94	10.8	1.4	1.4	97.72	96.4	94.6	35,586
1986.....	17.3	3.96	11.1	1.2	1.8	98.04	97.1	95.3	25,414
1987.....	18.3	4.06	9.4	.6	1.6	101.09	98.9	100.2	33,210
1988.....	17.9	4.02	10.2	.9	1.3	99.96	98.6	98.9	36,235

<sup>1</sup> U.S. averages not fully representative of entire crop because of relatively small volume of seed graded in some areas. <sup>2</sup> These basic factors are combined to form indexes of quantity and quality which in turn are used to determine the official grade of cottonseed in accordance with the United States Official Standards for Grades.

<sup>3</sup> The quantity index measures the oil and cake or meal in the cottonseed, taking into account variations in the quantity of oil, and ammonia. <sup>4</sup> The quality index measures the deterioration in oil and meal and takes into account the excesses of moisture and foreign matter and free fatty acids. <sup>5</sup> The average grade is the product of the quantity index times the quality index. The base grade is 100.0. <sup>6</sup> Samples graded by licensed chemists under the supervision of the U.S. Department of Agriculture.

Agricultural Marketing Service.

**Table 143.—Cottonseed oil and cottonseed cake and meal: United States exports by country of destination 1985/86–1987/88 (Marketing year October–September)**

Continent and country of destination	Cottonseed oil <sup>1</sup>			Cottonseed cake and meal		
	1985/86	1986/87	1987/88 <sup>2</sup>	1985/86	1986/87	1987/88 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North and Central America; incl. Caribbean:</b>						
Canada.....	2,679	2,989	4,568	2,257	932	1,080
Costa Rica.....	1,000	5	0	0	0	2,517
Dominican Republic.....	5,898	1,889	6,271	42	20	78
El Salvador.....	29,713	10,915	30,995	0	0	0
Guatemala.....	11,063	2,178	1,212	0	0	0
Mexico.....	9,533	3,063	7,282	1,858	2,546	33,659
Netherlands Antilles.....	0	2	0	0	0	0
Panama.....	3,950	0	0	0	0	0
Other countries.....	3,950	1,079	663	0	0	0
<b>Total <sup>3</sup></b> .....	<b>64,376</b>	<b>22,070</b>	<b>50,991</b>	<b>4,157</b>	<b>3,498</b>	<b>37,334</b>
<b>South America:</b>						
Colombia.....	0	0	0	0	0	0
Ecuador.....	0	1	2	0	0	0
Peru.....	65	38	51	0	0	0
Venezuela.....	48,619	44,590	51,331	0	0	0
Other countries.....	0	0	0	0	0	0
<b>Total <sup>3</sup></b> .....	<b>48,684</b>	<b>44,629</b>	<b>51,357</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Europe:</b>						
Austria.....	0	0	0	0	0	0
Belgium and Luxembourg.....	2	0	6	0	0	0
Denmark.....	31	22	1	0	0	0
France.....	38	66	0	0	0	0
Germany, Fed. Rep. of.....	4,902	87	81	0	0	0
Ireland.....	17	2	0	0	0	0
Netherlands.....	8,036	4,950	1,578	0	11,843	3,299
Switzerland.....	0	7	9	0	0	0
United Kingdom.....	506	0	19	0	0	0
Other countries.....	3,616	1,044	1,248	0	0	0
<b>Total <sup>3</sup></b> .....	<b>17,157</b>	<b>6,178</b>	<b>2,942</b>	<b>0</b>	<b>11,843</b>	<b>3,299</b>
<b>Africa:</b>						
Egypt.....	37,786	0	31,480	0	0	0
Other countries.....	1,599	507	1,503	0	0	0
<b>Total <sup>3</sup></b> .....	<b>39,385</b>	<b>507</b>	<b>32,983</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Asia:</b>						
Hong Kong.....	210	24	58	0	0	0
Israel.....	0	0	0	0	0	0
Japan.....	26,306	17,912	21,579	0	0	0
Korea, Rep. of.....	4,417	5,805	11,506	0	0	0
Pakistan.....	0	0	0	0	0	0
Philippines.....	0	1	0	0	0	0
Saudi Arabia.....	0	0	0	591	738	0
Other countries.....	105	522	13,894	0	102	0
<b>Total <sup>3</sup></b> .....	<b>31,038</b>	<b>24,263</b>	<b>47,037</b>	<b>591</b>	<b>840</b>	<b>0</b>
Oceania.....	18	69	26	0	0	0
<b>Grand total <sup>3</sup></b> .....	<b>200,658</b>	<b>97,716</b>	<b>185,336</b>	<b>4,747</b>	<b>16,180</b>	<b>40,635</b>

<sup>1</sup> Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census. <sup>2</sup> Preliminary. <sup>3</sup> May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 144.—Cottonseed: Area, yield, and production in specified countries, 1986/87–1988/89<sup>1</sup>**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America and Caribbean:</b>									
Mexico.....	150	230	255	1.62	1.61	1.88	243	370	480
United States.....	3,427	4,061	4,833	1.01	1.29	1.14	3,448	5,234	5,499
Total.....	3,711	4,432	5,208				3,853	5,789	6,123
<b>South America:</b>									
Argentina.....	330	515	500	.58	.91	.64	193	467	320
Brazil.....	2,165	2,497	2,340	.50	.61	.55	1,085	1,525	1,291
Colombia.....	174	237	210	1.04	1.07	1.02	181	253	214
Paraguay.....	275	400	450	.55	.73	.75	150	290	336
Peru.....	125	137	170	.87	1.04	.91	109	143	155
Total.....	3,147	3,868	3,741				1,778	2,742	2,377
<b>Europe:</b>									
Greece.....	205	211	245	1.60	1.42	1.47	327	300	360
Spain.....	79	79	135	1.62	1.58	1.30	128	125	175
Total.....	330	336	426				481	451	561
<b>Africa:</b>									
Cameroon.....	94	95	110	1.19	1.09	1.25	112	104	138
Egypt.....	443	416	425	1.46	1.35	1.15	645	562	488
Mali.....	146	135	160	1.06	1.10	1.17	155	145	187
South Africa, Republic of.....	160	205	193	.96	.65	.73	154	134	140
Sudan.....	350	321	300	.94	.83	.87	328	267	261
Tanzania, United Republic of.....	450	460	415	.30	.34	.30	135	158	125
Zimbabwe.....	240	260	248	.65	.81	.74	156	211	183
Total <sup>4</sup> .....	3,569	3,753	3,876				2,448	2,387	2,420
<b>Asia:</b>									
China (Mainland).....	4,306	4,844	5,534	1.40	1.49	1.28	6,018	7,217	7,070
India.....	7,280	6,471	7,400	.44	.48	.48	3,218	3,083	3,563
Iran.....	188	192	200	.76	.82	.77	142	158	153
Israel.....	46	40	50	2.67	2.70	2.68	123	108	134
Pakistan.....	2,505	2,568	2,500	1.05	1.15	1.16	2,640	2,946	2,896
Syria.....	144	129	170	1.55	1.81	1.56	223	233	266
Turkey.....	589	587	708	1.41	1.47	1.41	829	860	1,000
Total <sup>4</sup> .....	15,521	15,300	17,040				13,415	14,847	15,342
Australia.....	148	232	186	2.23	1.88	2.17	330	435	403
World total <sup>4</sup> .....	29,901	31,448	33,927				27,175	31,136	32,245

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes other countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 145.—Flaxseed: Area, yield, production, disposition, and value, United States, 1974–88**

Year	Area planted	Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Market- ing year average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974 .....	1,742	1,659	8.5	14,083	759	13,324	9.67	136,196
1975 .....	1,621	1,511	10.3	15,553	532	15,021	6.57	102,132
1976 .....	1,045	955	7.9	7,580	633	6,947	7.08	53,754
1977 .....	1,330	1,239	11.5	14,280	639	13,641	4.54	64,865
1978 .....	710	627	12.5	8,614	476	8,138	5.74	49,435
1979 .....	922	878	13.7	12,014	551	11,463	6.01	71,627
1980 .....	759	663	11.7	7,728	(1)	(1)	7.21	55,615
1981 .....	605	577	12.6	7,289	(1)	(1)	6.67	49,008
1982 .....	780	735	14.0	10,278	(1)	(1)	5.17	53,341
1983 .....	605	580	11.9	6,903	(1)	(1)	6.84	46,925
1984 .....	555	538	13.1	7,022	(1)	(1)	6.09	42,739
1985 .....	620	584	14.2	8,293	(1)	(1)	5.05	41,912
1986 .....	720	683	16.9	11,538	(1)	(1)	3.47	39,962
1987 .....	470	463	16.1	7,444	(1)	(1)	3.39	25,188
1988 <sup>3</sup> .....	275	226	7.1	1,615	(1)	(1)	7.67	12,393

<sup>1</sup> Series discontinued.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 146.—Flaxseed: Supply and disappearance, United States, 1974–87**

Year beginning June	Supply				Disappearance			
	Stocks June 1	Production	Imports	Total	Total used for seed	Exports	Crushings <sup>1</sup>	Total domestic disappearance <sup>2</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1974 .....	4,052	14,083	130	18,265	1,231	372	13,386	15,234
1975 .....	3,031	15,553	148	18,732	1,054	953	11,791	12,889
1976 .....	4,890	7,580	2,168	14,638	1,043	196	10,677	11,481
1977 .....	2,961	14,280	859	18,100	557	1,001	11,615	11,784
1978 .....	5,315	8,614	1,557	15,486	724	91	13,009	12,811
1979 .....	2,584	12,014	1,916	16,514	650	174	12,425	11,322
1980 .....	5,018	7,728	2,510	15,256	547	76	11,927	12,447
1981 .....	2,733	7,789	3,502	13,524	691	11	11,231	11,563
1982 .....	1,950	10,278	1,921	14,149	486	638	8,722	10,299
1983 .....	3,212	6,903	4,756	14,871	488	52	12,733	13,103
1984 .....	1,716	7,022	3,796	12,534	511	238	9,935	10,647
1985 .....	1,649	8,293	2,927	12,869	517	250	10,313	10,990
1986 .....	1,629	11,538	2,229	15,396	362	1,448	10,000	10,647
1987 <sup>3</sup> .....	3,301	7,444	2,913	13,658	210	156	10,800	11,177

<sup>1</sup> From domestic and imported seed.

<sup>2</sup> Total supply minus exports and stocks June 1 of following year.

<sup>3</sup> Preliminary.

Economic Research Service.

**Table 147.—Flaxseed: Area, yield, and production, by States, 1986–88**

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els
MN .....	35	15	15	34	14	11	16.0	16.0	10.0	544	224	110
ND .....	575	400	220	545	395	185	17.5	16.5	7.0	9,538	6,518	1,295
SD .....	110	55	40	104	54	30	14.0	13.0	7.0	1,456	702	210
US .....	720	470	275	683	463	226	16.9	16.1	7.1	11,538	7,444	1,615

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 148.—Flaxseed: <sup>1</sup> Area, yield, and production in specified countries and the world, 1986/87-1988/89**

Continent and country	Harvested area			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>2</sup>	1986/87	1987/88	1988/89 <sup>2</sup>	1986/87	1987/88	1988/89 <sup>2</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada.....	755	591	546	1.36	1.23	0.76	1,026	729	414
Mexico.....	3	3	3	1.00	1.00	1.00	3	3	3
United States.....	276	187	91	1.06	1.01	.45	293	189	41
<b>Total.....</b>	<b>1,034</b>	<b>781</b>	<b>640</b>				<b>1,322</b>	<b>921</b>	<b>458</b>
<b>South America:</b>									
Argentina.....	745	690	550	.83	.80	.82	622	550	450
Uruguay.....	4	1	4	.75	1.00	.75	3	1	3
<b>Total.....</b>	<b>749</b>	<b>691</b>	<b>554</b>				<b>625</b>	<b>551</b>	<b>453</b>
<b>Europe:</b>									
Belgium-Luxembourg.....	8	10	11	.75	.80	.73	6	8	8
France <sup>3</sup> .....	41	47	52	.59	.47	.60	24	22	31
Italy.....	1	1	1	1.00	1.00	1.00	1	1	1
Netherlands.....	3	4	4	1.67	1.25	1.25	5	5	5
United Kingdom.....	11	8	14	.73	1.25	1.86	8	10	26
<b>Total EC.....</b>	<b>64</b>	<b>70</b>	<b>82</b>				<b>44</b>	<b>46</b>	<b>71</b>
Czechoslovakia.....	30	30	30	.50	.50	.50	15	15	15
Hungary.....	6	6	6	1.00	1.17	1.17	6	7	7
Poland.....	30	28	30	.50	.39	.50	15	11	15
Romania.....	75	75	70	.43	.44	.43	32	33	30
<b>Total Eastern Europe.....</b>	<b>141</b>	<b>139</b>	<b>136</b>				<b>68</b>	<b>66</b>	<b>67</b>
<b>Total Europe.....</b>	<b>205</b>	<b>209</b>	<b>218</b>				<b>112</b>	<b>112</b>	<b>138</b>
<b>Soviet Union (Europe and Asia) <sup>4</sup>.....</b>	<b>1,053</b>	<b>1,069</b>	<b>1,039</b>	<b>.22</b>	<b>.21</b>	<b>.21</b>	<b>233</b>	<b>228</b>	<b>220</b>
<b>Africa:</b>									
Egypt.....	15	15	15	1.27	1.27	1.27	19	19	19
<b>Asia:</b>									
Bangladesh.....	15	75	66	.53	.53	.55	8	40	36
India.....	1,155	1,150	1,350	.27	.32	.30	317	372	400
Iran.....	3	3	3	1.00	1.00	1.00	3	3	3
Pakistan <sup>5</sup> .....	10	10	10	.60	.60	.60	6	6	6
Turkey.....	7	8	8	.57	.50	.50	4	4	4
<b>Total.....</b>	<b>1,190</b>	<b>1,246</b>	<b>1,437</b>				<b>338</b>	<b>425</b>	<b>449</b>
<b>Oceania:</b>									
Australia <sup>6</sup> .....	8	8	5	1.13	.88	1.00	9	7	5
<b>World total.....</b>	<b>4,254</b>	<b>4,019</b>	<b>3,908</b>				<b>2,658</b>	<b>2,263</b>	<b>1,742</b>

<sup>1</sup> Harvests of the Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere countries in 1986 was combined with the Southern Hemisphere harvest which began late in 1986 and ended early in 1987. <sup>2</sup> Preliminary. <sup>3</sup> Area includes that harvested for seed and that portion of fiber area which is harvested for seed as well as fiber. Production includes seed from fiber flax. <sup>4</sup> Includes fiber flax area and seed production. <sup>5</sup> Flaxseed from area grown for seed only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.



**Table 149.—Flaxseed: Marketing year average price and value of production, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per bushel			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
MN.....	3.39	3.43	7.90	1,844	768	869
ND.....	3.45	3.39	7.65	32,906	22,096	9,907
SD.....	3.58	3.31	7.70	5,212	2,324	1,617
US.....	3.47	3.39	7.67	39,962	25,188	12,398

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 150.—Flaxseed: Price-support operations, United States, 1974-88**

Year beginning July	Support price		Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC June 30
	Per bushel	Percentage of parity <sup>1</sup>	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1974.....	2.50	41	63	0.5		
1975.....	(*)					
1976.....	(*)					
1977.....	(*)					
1978.....	4.50	48				
1979.....	4.50	43				
1980.....	4.50	39				
1981.....	(*)					
1982.....	(*)					
1983.....	(*)					
1984.....	(*)					
1985.....	(*)					
1986.....	(*)					
1987.....	(*)					
1988.....	(*)					

<sup>1</sup> Percentage of the parity price as of the beginning of the marketing year.

<sup>2</sup> Includes loans made, purchase agreements entered into, and direct purchases.

<sup>3</sup> Acquisitions through loan cancellations and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year.

\* Price support not authorized for 1975, 1976, 1977, 1981, 1982, 1983, 1984, 1985, 1986, 1987, and 1988.

Agricultural Stabilization and Conservation Service.

**Table 151.—Flaxseed and linseed oil and meal: Average price Minneapolis, 1974-87**

Year <sup>1</sup>	Average price received by farmers	Minneapolis		Year <sup>1</sup>	Average price received by farmers	Minneapolis	
		Oil, per pound <sup>2</sup>	Meal, per ton <sup>3</sup>			Oil, per pound <sup>2</sup>	Meal, per ton <sup>3</sup>
		<i>Dollars</i>	<i>Cents</i>			<i>Dollars</i>	<i>Dollars</i>
1974.....	9.74	45.6	122.30	1982.....	6.02	25.2	143.40
1975.....	6.81	32.3	126.25	1983.....	5.58	30.7	155.25
1976.....	6.51	28.2	162.24	1984.....	6.50	32.0	99.00
1977.....	5.78	24.6	137.91	1985.....	5.95	30.8	102.60
1978.....	4.46	24.7	143.20	1986.....	4.27	26.4	112.00
1979.....	6.34	30.1	155.80	1987.....	3.21	24.7	130.25
1980.....	6.46	30.0	162.80				
1981.....	7.10	30.5	156.00				

See footnotes on page 118.

**Table 152.—Flaxseed and products: Flaxseed crushed; production, imports, and exports of linseed oil, cake, and meal; and June 1 stocks of oil, United States, 1974–87**

Year beginning June	Total flaxseed crushed	Linseed oil				Linseed cake and meal		
		Stocks June 1	Production	Imports for consumption	Exports	Production	Imports for consumption	Exports
	1,000 bushels	Million pounds	Million pounds	Million pounds	Million pounds	1,000 tons	1,000 tons	1,000 tons
1974.....	13,386	71	263	( <sup>1</sup> )	143	254	( <sup>2</sup> )	140
1975.....	11,791	49	230	( <sup>1</sup> )	42	229		141
1976.....	10,677	49	217	( <sup>1</sup> )	14	202	( <sup>2</sup> )	89
1977.....	11,615	88	232	( <sup>1</sup> )	25	218	4	111
1978.....	13,009	70	259	( <sup>1</sup> )	54	244	3	135
1979.....	12,425	44	256	( <sup>1</sup> )	38	233	2	161
1980.....	11,927	54	251	( <sup>1</sup> )	51	225	2	129
1981.....	11,231	56	237	( <sup>1</sup> )	54	220	2	152
1982.....	8,722	50	182	( <sup>1</sup> )	21	170	2	79
1983.....	12,733	35	265	( <sup>1</sup> )	51	249	2	125
1984.....	9,935	48	194	( <sup>1</sup> )	15	179	1	60
1985.....	10,313	33	205	( <sup>1</sup> )	15	184	3	75
1986.....	10,000	39	201	( <sup>1</sup> )	6	185	2	63
1987 *.....	10,800	51	217	( <sup>1</sup> )	10	198	2	59

<sup>1</sup> Less than 500,000 pounds. <sup>2</sup> Less than 500 tons. <sup>3</sup> Not included to avoid disclosure. <sup>4</sup> Preliminary. Economic Research Service.

**Table 153.—Flaxseed, linseed oil, and linseed cake and meal: United States exports by country of destination, crop years 1985/86–1987/88 <sup>1</sup>**

Continent and country of destination	Flaxseed			Linseed oil <sup>2</sup>			Linseed cake and meal		
	1985/86	1986/87	1987/88	1985/86	1986/87	1987/88	1985/86	1986/87	1987/88
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North America:									
Canada.....	61	25	390	2,508	2,224	2,786	91	219	460
Costa Rica.....	0	47	0	2	2	0	0	0	0
Honduras.....	70	0	0	0	0	0	0	0	0
Mexico.....	5,263	4,214	2,752	779	141	676	0	0	0
Panama.....	26	0	13	0	4	4	0	0	0
Other countries.....	111	0	0	23	22	29	585	39	0
Total <sup>4</sup> .....	5,531	4,286	3,155	3,312	2,393	3,495	676	258	460
South America:									
Brazil.....	0	0	0	0	0	0	0	0	0
Peru.....	0	0	0	0	5	0	0	0	0
Venezuela.....	0	0	0	83	121	29	0	0	0
Other countries.....	0	0	0	2	9	54	0	0	0
Total <sup>4</sup> .....	0	0	0	85	135	83	0	0	0
Europe:									
Belgium and Luxembourg.....	56	15,463	0	0	0	0	0	0	0
Denmark.....	14	10	0	0	0	0	0	0	0
France.....	0	0	0	4	0	0	0	0	0
Germany, Fed. Rep. of.....	255	513	549	0	0	0	5,878	7,294	5,693
Italy.....	0	0	0	0	0	0	0	0	0
Netherlands.....	451	16,465	261	2,172	212	0	52,757	43,202	53,022
Spain.....	0	0	0	0	1	0	0	0	0
Sweden.....	0	0	0	0	0	0	0	0	0
Switzerland.....	0	11	0	0	0	0	0	0	0
United Kingdom.....	0	0	0	0	0	23	0	0	0
Other countries.....	0	33	0	0	0	0	0	0	0
Total <sup>4</sup> .....	776	32,495	810	2,176	213	23	58,635	50,496	58,715
Soviet Union.....	0	0	0	0	0	0	0	0	0

See footnotes at end of table.

**Table 153.—Flaxseed, linseed oil, and linseed cake and meal: United States exports by country of destination, crop years 1985/86–1987/88 <sup>1</sup>—Continued**

Continent and country of destination	Flaxseed			Linseed oil <sup>3</sup>			Linseed cake and meal		
	1985/86	1986/87	1987/88	1985/86	1986/87	1987/88	1985/86	1986/87	1987/88
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Africa and Middle East.....	0	0	0	15	2	0	0	0	0
Asia:									
Japan.....	0	0	0	12	15	17	0	0	0
Korea, Rep. of.....	0	0	0	0	119	16	0	0	0
Philippines.....	0	0	0	0	0	0	0	0	0
Other countries.....	0	0	0	1,011	10	2	0	0	0
Total <sup>4</sup> .....	0	0	0	1,023	144	35	0	0	0
Oceania:									
Australia.....	0	0	0	2	4	6	0	0	0
Other countries.....	0	0	0	2	7	0	0	0	0
Total <sup>4</sup> .....	0	0	0	4	11	6	0	0	0
Grand total <sup>5</sup> .....	6,362	36,782	3,966	6,615	2,897	3,643	59,311	50,753	59,176

<sup>1</sup> For flaxseed and linseed oil, year begins June 1; for linseed cake and meal, year begins Oct. 1. <sup>2</sup> Preliminary. <sup>3</sup> Crude and refined combined as such. <sup>4</sup> Total may not add due to rounding. <sup>5</sup> Includes 55 metric tons transhipped via Canada to unidentified countries in 1985/86.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 154.—Peanuts: Area, yield, production, disposition, marketing year average price per pound received by farmers, and value, United States, 1974–88**

Crop of—	Area planted	Peanuts for nuts						
		Area harvested	Yield per acre	Production <sup>1</sup>	Used on farms where produced	Sold	Marketing year average	Value of production
				Fed and household use				
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974.....	1,519.6	1,472.1	2,491	3,667,604	<sup>2</sup> 24,398	3,643,206	17.9	657,987
1975.....	1,581.9	1,500.0	2,564	3,846,722	26,668	3,820,054	19.6	754,491
1976.....	1,544.6	1,517.5	2,464	3,739,190	26,251	3,712,939	20.0	746,675
1977.....	1,540.6	1,512.4	2,456	3,715,055	25,231	3,689,824	21.0	780,869
1978.....	1,540.8	1,509.1	2,619	3,952,384	26,369	3,926,015	21.1	833,885
1979.....	1,545.9	1,519.7	2,611	3,968,485	26,297	3,942,188	20.6	819,276
1980.....	1,521.4	1,399.8	1,645	2,302,762	( <sup>3</sup> )	( <sup>3</sup> )	25.1	578,635
1981.....	1,514.0	1,488.7	2,675	3,981,850	( <sup>3</sup> )	( <sup>3</sup> )	26.9	1,069,526
1982.....	1,311.4	1,277.4	2,693	3,440,255	( <sup>3</sup> )	( <sup>3</sup> )	25.1	862,686
1983.....	1,411.0	1,373.5	2,399	3,295,530	( <sup>3</sup> )	( <sup>3</sup> )	24.7	814,579
1984.....	1,562.6	1,531.0	2,878	4,405,745	( <sup>3</sup> )	( <sup>3</sup> )	27.9	1,230,720
1985.....	1,490.4	1,467.4	2,810	4,122,787	( <sup>3</sup> )	( <sup>3</sup> )	24.4	1,003,412
1986.....	1,572.7	1,537.2	2,407	3,700,745	( <sup>3</sup> )	( <sup>3</sup> )	29.2	1,074,487
1987.....	1,567.4	1,547.4	2,339	3,619,730	( <sup>3</sup> )	( <sup>3</sup> )	28.0	1,023,023
1988 <sup>4</sup> .....	1,657.4	1,628.4	2,445	3,980,917	( <sup>3</sup> )	( <sup>3</sup> )	26.9	1,073,376

<sup>1</sup> Net weight basis; estimates comprised of quota and non-quota peanuts. <sup>2</sup> Beginning 1974, not estimated separately. <sup>3</sup> Series discontinued. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 155.—Peanuts, farmers' stock: Stocks, production, and quantity milled, United States, 1974-88**

Year beginning August	Stocks Aug. 1 <sup>1</sup>	Production harvested for nuts <sup>1</sup>	Total supply	Milled <sup>1,2</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1974.....	38,392	3,667,604	3,705,996	2,922,924
1975.....	226,991	3,846,722	4,073,713	3,461,504
1976.....	250,005	3,739,190	3,989,195	3,455,100
1977.....	54,366	3,715,055	3,769,421	3,348,732
1978.....	28,651	3,952,384	3,981,035	3,423,965
1979.....	13,513	3,968,485	3,981,998	3,502,326
1980.....	63,442	2,302,762	2,366,204	1,887,992
1981.....	28,328	3,981,850	4,010,178	3,610,896
1982.....	84,948	3,440,255	3,525,203	3,248,166
1983.....	51,440	3,295,530	3,346,970	3,149,878
1984.....	8,758	4,405,745	4,414,503	4,155,496
1985.....	171,949	4,122,787	4,294,736	3,966,300
1986.....	48,381	3,700,745	3,749,126	3,621,444
1987.....	25,894	3,619,730	3,645,624	3,440,176
1988.....	4,622	3,980,917	3,985,539	

<sup>1</sup> Net weight basis.<sup>2</sup> Includes peanuts milled for seed.

National Agricultural Statistics Service.

**Table 156.—Peanuts: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1974-88**

Year beginning August	Peanuts crushed (shelled basis)	Peanut oil				Peanut cake and meal	
		Stocks Aug. 1 <sup>1</sup>	Production of crude	Imports	Exports <sup>2</sup>	Stocks Aug. 1 <sup>3</sup>	Production
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1974.....	443,665	33,342	188,365	20	34,681	6,838	245,584
1975.....	1,088,087	34,053	475,961	1,850	97,712	10,374	601,243
1976.....	833,158	136,926	362,611	32	45,878	5,863	466,544
1977.....	366,227	221,545	150,971	25	126,547	11,719	208,144
1978.....	395,951	46,029	164,284	46	40,488	10,933	217,988
1979.....	429,116	53,189	179,695	63	15,634	1,019	236,228
1980.....	335,528	44,076	137,848	82	47,522	8,830	187,204
1981.....	431,480	37,788	175,028	203	40,865	7,335	237,290
1982.....	256,436	57,889	106,962	3,713	5,181	9,705	141,546
1983.....	291,084	(*)	119,008	646	7,097	4,008	159,340
1984.....	470,264	32,425	187,283	2,174	29,383	13,962	264,658
1985.....	610,897	17,725	256,545	529	92,799	32,758	336,232
1986.....	386,388	61,865	152,423	2,429	6,418	17,939	214,526
1987.....	421,214	49,411	159,140	32,573	7,053	4,445	233,607
1988.....	(*)	23,769	(*)	(*)	(*)	12,095	348,662

<sup>1</sup> Crude plus refined.<sup>2</sup> Reported as edible peanut oil and crude peanut oil; in this tabulation added without converting.<sup>3</sup> Holding at producing mills only.<sup>4</sup> Not available.

National Agricultural Statistics Service, Economic Research Service, and Bureau of the Census.

## FOOTNOTES FOR TABLE 151

<sup>1</sup> Year beginning June 1.<sup>2</sup> Raw oil in tank cars.<sup>3</sup> Bulk carlots, 34 percent protein.

Economic Research Service.

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**Table 157.—Cleaned peanuts (roasting stock): Supply and disposition, United States, 1974-88**

Year beginning August	Supply				Disposition		
	Stocks Aug. 1	Production	Imports	Total	Exports <sup>1</sup>	Domestic disappearance	
						Total	Per capita
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Pounds
1974	15,092	132,185	127	147,404	17,703	111,872	0.53
1975	17,829	154,768	207	172,804	22,708	119,529	.56
1976	30,567	150,764	432	181,763	24,765	138,841	.65
1977	18,157	198,076	413	216,646	64,284	126,724	.56
1978	25,638	233,497	413	259,548	94,612	116,737	.52
1979	48,199	183,831	424	232,454	64,810	137,053	.61
1980	30,591	104,053	3,597	138,241	33,071	90,789	.40
1981	14,381	231,580	6	245,967	77,998	122,743	.54
1982	45,226	232,998	844	279,068	51,321	155,948	.67
1983	71,799	124,507	298	196,604	39,509	133,773	.57
1984	23,322	256,014	79	279,418	72,907	139,121	.59
1985	67,389	213,928	1,493	282,812	83,747	152,349	.63
1986	46,716	208,244	328	255,288	75,687	139,404	.57
1987	39,902	194,002	880	234,784	76,346	111,522	.45
1988	46,029						

<sup>1</sup> Prior to 1983 includes shipments to Puerto Rico.

National Agricultural Statistics Service and Economic Research Service. Foreign trade from the Bureau of the Census.

**Table 158.—Shelled peanuts (all grades): Supply, exports, and quantity crushed, United States, 1974-88**

Year beginning August	Supply						Exports <sup>1</sup>	Crushed
	Stocks Aug. 1		Production		Imports	Total		
	Edible	Oil stock <sup>2</sup>	Edible	Oil stock				
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
1974	359,752	16,126	1,557,098	558,409	466	2,491,851	534,784	443,665
1975	279,401	20,734	1,590,916	914,655	290	2,805,996	301,859	1,088,087
1976	315,667	83,174	1,757,043	729,842	66	2,885,792	562,474	833,158
1977	372,518	29,803	1,881,663	468,753	148	2,752,885	720,892	366,227
1978	358,984	37,366	1,943,628	435,972	139	2,776,089	783,236	395,951
1979	348,002	46,435	2,003,011	486,981	140	2,884,569	745,828	423,116
1980	371,658	29,491	993,306	286,868	300,710	1,982,033	353,683	335,528
1981	268,276	10,366	2,087,924	387,790	4,632	2,758,991	374,812	431,480
1982	450,449	20,574	1,887,011	283,141	1,323	2,642,498	473,416	256,436
1983	537,855	19,208	1,776,069	342,477	1,715	2,677,324	529,949	291,084
1984	402,449	33,063	2,414,852	422,026	2,167	3,274,557	592,333	470,264
1985	860,508	30,407	2,238,427	496,928	1,942	3,628,212	721,690	610,897
1986	559,256	4,734	2,123,054	299,651	1,598	2,988,293	441,954	386,388
1987	683,622	21,300	2,015,144	301,379	1,069	3,021,445	407,557	421,214
1988	565,779	22,647						

<sup>1</sup> Prior to 1983 includes shipments to Puerto Rico. Includes all peanut export categories except peanuts not shelled or not roasted.<sup>2</sup> Includes ungraded and straight run oil stock peanuts.

National Agricultural Statistics Service and Economic Research Service. Foreign trade from the U.S. Bureau of the Census.

**Table 159.—Peanuts: Shelled (raw basis) by types, used in primary products and apparent disappearance of peanuts (cleaned in shell), United States, 1974-87**

Type, and year beginning August	Shelled uses						Apparent disappearance (cleaned in shell) <sup>2</sup>
	Peanut butter <sup>1</sup>	Peanut butter sandwiches	Salted	Candy	Other	Total	
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
<b>Virginia:</b>							
1974	67,461	2,978	132,861	51,278	3,180	257,768	
1975	62,244	3,068	147,933	52,335	2,746	268,326	
1976	46,187	4,566	98,992	49,876	2,222	201,823	
1977	49,517	3,994	88,773	44,260	2,164	188,708	
1978	48,824	4,655	91,426	48,424	2,581	195,860	
1979	47,462	7,353	83,755	27,899	2,493	168,962	
1980	26,142	2,487	50,095	18,903	1,137	98,764	
1981	33,882	2,600	84,608	15,701	1,371	138,142	
1982	74,427	2,358	114,593	21,130	2,678	215,186	
1983	41,915	2,176	101,980	15,402	1,795	163,268	
1984	44,612	2,123	96,181	31,276	2,048	176,237	
1985	52,855	1,939	113,577	32,900	5,286	206,557	
1986	55,555	5,850	171,679	27,591	20,090	280,675	
1987	35,492	7,349	120,084	40,251	13,811	216,987	
<b>Runner:</b>							
1974	415,720	13,781	86,092	101,729	7,435	624,756	
1975	447,182	15,204	94,633	124,423	9,742	691,184	
1976	455,900	17,192	102,603	121,193	11,874	708,762	
1977	492,439	23,020	144,309	126,101	13,735	799,604	
1978	546,001	22,528	158,262	158,258	13,949	898,998	
1979	600,920	22,303	155,469	183,612	14,607	976,911	
1980	529,923	21,289	127,430	177,098	15,327	871,067	
1981	596,231	19,534	162,967	199,351	12,356	990,439	
1982	578,488	19,109	157,546	223,338	13,137	991,618	
1983	596,617	21,738	164,389	237,075	12,429	1,032,248	
1984	626,305	23,440	175,404	209,765	15,962	1,050,877	
1985	605,696	22,261	207,503	240,198	16,192	1,091,850	
1986	575,509	27,611	169,715	261,630	18,694	1,053,159	
1987	623,457	37,722	220,511	249,673	21,485	1,152,848	
<b>Spanish:</b>							
1974	167,803	3,609	59,332	64,028	3,764	298,536	
1975	138,631	2,685	59,069	62,918	3,509	266,812	
1976	115,870	2,460	52,227	63,961	3,726	238,244	
1977	81,870	1,182	41,137	64,858	2,783	191,830	
1978	70,112	884	41,926	61,753	2,625	177,300	
1979	51,643	681	45,650	46,845	2,213	147,302	
1980	32,491	302	27,964	41,889	3,224	105,870	
1981	23,617	525	30,379	40,810	1,544	96,875	
1982	24,688	464	35,980	39,688	1,144	101,963	
1983	32,898	365	35,602	45,588	1,245	115,938	
1984	26,219	677	37,466	49,276	1,191	114,831	
1985	42,735	424	37,463	40,739	2,039	123,400	
1986	48,309	397	42,892	31,970	2,281	125,849	
1987	42,487	737	33,178	35,659	2,495	114,556	
<b>All types:</b>							
1974	650,984	20,368	278,285	217,084	14,379	1,181,050	129,447
1975	648,057	20,957	301,635	239,676	15,997	1,226,322	142,029
1976	617,937	24,218	253,822	235,030	17,822	1,148,829	163,177
1977	623,826	28,196	274,219	235,219	18,682	1,180,142	190,593
1978	664,937	28,067	291,614	268,435	19,105	1,272,158	210,935
1979	700,025	30,337	284,874	258,356	19,313	1,292,905	201,441
1980	588,556	24,078	205,489	237,890	19,688	1,075,701	120,263
1981	653,710	22,659	277,954	255,862	15,271	1,225,456	200,735
1982	677,602	21,930	308,118	284,156	16,959	1,308,765	206,425
1983	671,430	24,279	301,971	298,065	15,469	1,311,214	172,984
1984	697,137	26,240	309,050	290,318	19,201	1,341,945	211,947
1985	701,289	24,623	358,542	313,836	23,515	1,421,805	234,601
1986	679,373	33,858	384,286	321,191	41,065	1,459,773	215,058
1987	701,436	45,808	373,773	325,583	37,791	1,484,391	187,875

<sup>1</sup> Excludes peanut butter made by manufacturers for own use in candy and/or peanut butter sandwiches.

<sup>2</sup> Apparent disappearance represents stocks beginning of year plus production, minus stocks at end of year. National Agricultural Statistics Service and Economic Research Service.

Table 160.—Peanuts: Area, yield, and production, by States, 1986-88

State	Area planted			Peanuts for nuts								
	1986	1987	1988 <sup>1</sup>	Area harvested			Yield per harvested acre			Production <sup>2</sup>		
				1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
AL.....	220.0	221.0	237.0	219.0	220.0	236.0	2,260	2,115	2,380	494,940	465,300	561,680
FL.....	94.0	91.0	98.0	87.0	83.0	90.0	2,680	2,600	2,540	233,160	215,800	228,600
GA.....	675.0	635.0	690.0	665.0	630.0	685.0	2,455	2,500	2,630	1,632,575	1,575,000	1,801,550
NM.....	12.7	12.4	13.4	12.7	12.4	13.4	2,260	2,700	2,280	28,700	33,480	30,552
NC.....	145.0	150.0	155.0	143.0	148.0	153.0	3,080	2,650	2,745	440,440	392,200	419,985
OK.....	100.0	100.0	99.0	90.0	99.0	97.0	2,050	2,250	2,320	184,500	222,750	225,040
SC.....	12.0	13.0	13.0	11.5	13.0	13.0	2,220	2,400	2,470	25,530	31,200	32,110
TX.....	225.0	254.0	260.0	220.0	252.0	250.0	1,750	1,750	1,670	385,000	441,000	417,500
VA.....	89.0	91.0	92.0	89.0	90.0	91.0	3,100	2,700	2,900	275,900	243,000	263,900
US.....	1,572.7	1,567.4	1,657.4	1,537.2	1,547.4	1,628.4	2,407	2,339	2,445	3,700,745	3,619,730	3,980,917

<sup>1</sup> Preliminary. <sup>2</sup> Net weight basis; estimates comprised of quota and non-quota peanuts.  
National Agricultural Statistics Service.

Table 161.—Peanuts for nuts: Marketing year average price, and value of production, by States, crop of 1986, 1987, and 1988

State	Marketing year average price per pound			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	26.5	29.0	27.6	131,159	134,937	155,024
FL.....	25.0	27.0	25.9	58,290	58,266	59,207
GA.....	29.1	28.8	26.6	475,079	453,600	479,212
NM.....	36.5	31.0	29.1	10,476	10,379	8,891
NC.....	29.8	28.6	28.4	131,251	112,169	119,276
OK.....	33.0	25.8	27.4	60,885	57,470	61,661
SC.....	29.7	30.7	29.9	7,582	9,578	9,601
TX.....	29.6	27.0	26.8	113,960	119,070	111,890
VA.....	31.1	27.8	26.0	85,805	67,554	68,614
US.....	29.2	28.0	26.9	1,074,487	1,023,023	1,073,376

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

Table 162.—Peanuts, farmers' stock: Average price per pound to growers, 1974-87 <sup>1</sup>

Crop year <sup>2</sup>	Virginia type (Va.-N.C.)	Southeastern Runner	Southwestern Spanish	New Mexico Valencias	Crop year <sup>2</sup>	Virginia type (Va.-N.C.)	Southeastern Runner	Southwestern Spanish	New Mexico Valencias
	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents
1974.....	17.6	18.5	17.4	17.7	1982.....	29.2	29.2	26.9	28.8
1975.....	18.7	19.3	18.2	22.5	1983.....	25.1	27.9	26.7	28.8
1976.....	19.9	20.1	19.0	24.5	1984.....	28.8	29.6	27.3	29.1
1977.....	21.5	22.1	20.8	24.5	1985.....	29.9	29.6	27.6	29.0
1978.....	21.9	21.9	20.4	22.1	1986.....	31.1	31.7	29.9	29.9
1979.....	21.1	22.4	20.4	21.3	1987.....				
1980.....	21.6	22.7	20.8	23.4					
1981.....	22.7	23.1	22.6	24.1					

<sup>1</sup> Prices are based on average quality factors for each crop year as described in the price-support schedules and summaries of inspections as reported by the Federal-State Inspection Service.

<sup>2</sup> Crop year begins about Oct. 1 in the Virginia-North Carolina Section; in August, in the Southeastern and the Southwestern States.

Agricultural Marketing Service.

Table 163.—Peanuts, farmers' stock: Price-support operations, United States, 1974-88

Year beginning August	Quota support price		Additional support level (per pound)	Put under support <sup>2 3</sup>		Owned by CCC July 31 <sup>3</sup>
	Per pound	Percentage of parity <sup>1</sup>		Quantity	Percentage of production	
	<i>Cents</i>	<i>Percent</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>
1974.....	18.3	75	.....	1,072	29.2	552
1975.....	19.725	75	.....	1,136	29.5	958
1976.....	20.7	75	.....	854	22.8	0
1977 <sup>4</sup> .....	21.525	75	.....	585	14.4	2
1978.....	21.0	(5)	12.5	515	12.9	.....
1979.....	21.0	(5)	15.0	709	17.9	.....
1980.....	22.75	(5)	12.5	337	14.6	.....
1981.....	22.75	(5)	12.5	835	20.9	2
1982.....	27.50	(5)	10.0	539	15.7	.....
1983.....	27.5	(5)	9.3	367	11.1	.....
1984.....	27.5	(5)	9.3	1,370	30.9	.....
1985.....	27.5	(5)	9.3	1,359	33.0	.....
1986.....	30.4	(5)	7.5	290	7.8	.....
1987.....	30.4	(5)	7.5	700	19.3	.....
1988.....	30.8	(5)	7.5	540	13.6	.....

<sup>1</sup> Percentage of the parity price as of the beginning of the marketing year. <sup>2</sup> Includes loans made and direct purchases. <sup>3</sup> Includes shelled peanuts converted to farmers' stock basis. <sup>4</sup> The 1977 legislation authorized a two-price poundage quota program with declining minimum quota levels for 1978-81 crops. The 1981 legislation suspended allotments and continued the declining poundage quotas and the two-price program for 1982-85 crops. The 1985 legislation continued the suspension of allotments and the two-price program, but sets the poundage quota at estimated domestic edible, seed and related uses for the 1986-90 crops. Quota peanuts are those peanuts grown within the farm poundage quota. Additional peanuts are those peanuts grown in excess of the quota. <sup>5</sup> Not applicable. For 1978-86, support level was not based on parity.

Agricultural Stabilization and Conservation Service.

Table 164.—Peanuts: Simple average of monthly f.o.b. price per pound of cleaned and shelled peanuts by approximate crop years, 1977-86 <sup>1</sup>

Classification	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Southeastern area:										
Georgia, Alabama, and Florida:										
Shelled:										
Runner Jumbo.....	<i>Cents</i> 34%	<i>Cents</i> 37½	<i>Cents</i> 36%	<i>Cents</i> 37½	<i>Cents</i> 40	<i>Cents</i> 47½	<i>Cents</i> 47%	<i>Cents</i> 58%	<i>Cents</i> 44½	<i>Cents</i> 55%
Runner Medium.....	33	35½	35	36½	38½	44½	47%	56%	43	52%
Runner U.S. Splits.....	26%	32½	33%	35%	39	44%	47%	55%	41	49%
Virginia-North Carolina:										
Clean unshelled Virginias:										
Fancy.....	32½	36½	34	36%	38	41½	43%	63½	34%	38½
Shelled Virginias:										
Extra large.....	39%	40%	42%	47½	45%	49½	49	71%	47½	55%
Medium.....	37½	38%	37%	39%	41	47½	47%	60	44½	53½
No. 2 with 70% splits.....	25%	30½	31%	33%	35%	37%	45%	49%	40%	44%
Southwestern area:										
Texas and Oklahoma:										
Shelled:										
Spanish No. 1.....	36½	40%	38%	38%	42	54%	52%	59%	55%	52%
Spanish U.S. Splits.....	27½	33½	34%	36%	39	49½	48%	55½	44	47%
New Mexico:										
Handpicked unshelled Valencias <sup>2</sup> .....	32½	34½	35%	36%	37	44½	43%	52%	39	39%

<sup>1</sup> Crop year begins about Oct. 1 in the Virginia-North Carolina area; in August, in the Southeastern and the Southwestern States. Prices are for shipment within 6 months.

<sup>2</sup> No U.S. grade standards apply to Valencia peanuts.

Agricultural Marketing Service.



**Table 165.—Peanuts:<sup>1</sup> Area and production in specified countries and the world, 1986-87/1988-89**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/ 87	1987/ 88	1988/ 89 <sup>3</sup>	1986/ 87	1987/ 88	1988/ 89 <sup>3</sup>	1986/ 87	1987/ 88	1988/ 89 <sup>3</sup>
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America and Caribbean:</b>									
Mexico.....	45	90	85	1.33	1.22	1.21	60	110	103
United States.....	622	626	659	2.70	2.62	2.74	1,679	1,642	1,806
Total <sup>4</sup> .....	691	737	765				1,758	1,771	1,928
<b>South America:</b>									
Argentina.....	233	192	151	2.22	2.34	1.79	518	450	270
Brazil.....	142	102	90	1.37	1.67	1.56	195	170	140
Total <sup>4</sup> .....	440	354	311				793	695	481
<b>Africa:</b>									
Benin.....	80	80	85	.88	.88	.88	70	70	75
Burkina.....	230	230	250	.70	.63	.72	160	146	130
Burundi.....	40	55	55	1.38	1.27	1.27	55	70	70
Cameroon.....	320	320	320	.44	.44	.45	140	140	145
Central African Republic.....	125	135	135	1.12	1.04	1.11	140	140	150
Chad.....	115	115	120	.70	.70	.75	80	80	90
Gambia, The.....	80	95	95	1.38	1.26	1.32	110	120	125
Ghana.....	90	100	100	.67	.70	.80	60	70	80
Ivory Coast.....	130	130	130	.65	.65	.65	85	85	85
Guinea.....	125	136	142	.94	.96	.96	118	130	137
Mali.....	97	110	115	.93	.91	1.00	90	100	115
Niger.....	100	100	130	.60	.45	.62	60	45	80
Nigeria.....	660	800	700	.61	.59	.50	400	475	350
Senegal.....	808	846	903	1.01	1.10	.76	817	932	690
South Africa, Republic of.....	207	153	185	1.14	1.33	1.24	235	204	230
Sudan.....	540	575	575	.70	.76	.78	380	435	450
Uganda.....	130	130	130	.88	.92	.92	115	120	120
Zaire.....	524	530	530	.73	.72	.72	380	380	380
Zimbabwe.....	202	211	210	.25	.37	.38	51	79	80
Total <sup>4</sup> .....	5,292	5,540	5,568				3,957	4,222	4,022
<b>Asia:</b>									
Burma.....	564	537	585	.96	.97	.97	544	519	565
China (Mainland).....	3,253	3,022	2,977	1.81	2.04	1.91	5,882	6,170	5,693
India.....	6,982	6,735	7,800	.84	.79	1.06	5,875	5,300	8,300
Indonesia.....	516	545	550	1.45	1.44	1.45	750	786	795
Pakistan.....	63	67	65	1.19	.78	1.08	75	52	70
Taiwan.....	50	59	56	1.66	1.69	1.70	83	100	95
Thailand.....	125	118	119	1.35	1.37	1.43	169	162	170
Turkey.....	22	32	30	2.27	2.50	2.67	50	80	80
Vietnam.....	195	195	195	.90	.90	.92	175	175	180
Total <sup>4</sup> .....	11,903	11,465	12,519				13,822	13,595	16,177
World total <sup>4</sup> .....	18,367	18,133	19,194				20,385	20,339	22,658

<sup>1</sup> Peanuts in the shell. Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 166.—Soybeans: Area, yield, production, disposition, and value, United States, 1974-88**

Year	Area planted	Soybeans for beans							
		Area harvested	Yield per acre	Production	Used on farms where produced		Sold	Market- ing year average price per bushel received by farm- ers <sup>1</sup>	Value of production <sup>1</sup>
					For seed	Fed to livestock			
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1974	52,479	51,341	23.7	1,216,287	<sup>2</sup> 25,317	1,190,970	6.64	8,078,943	
1975	54,590	53,617	28.9	1,548,344	21,679	1,526,665	4.92	7,622,498	
1976	50,269	49,401	26.1	1,288,608	23,894	1,264,714	6.81	8,775,761	
1977	58,978	57,830	30.6	1,767,267	25,432	1,741,835	5.88	10,383,377	
1978	64,708	63,663	29.4	1,868,754	25,657	1,843,097	6.66	12,449,679	
1979	71,411	70,343	32.1	2,260,665	( <sup>3</sup> )	( <sup>3</sup> )	6.29	14,203,660	
1980	69,930	67,813	26.5	1,797,543	( <sup>3</sup> )	( <sup>3</sup> )	7.60	13,601,112	
1981	67,543	66,163	30.1	1,969,110	( <sup>3</sup> )	( <sup>3</sup> )	6.07	12,004,698	
1982	70,884	69,442	31.5	2,190,297	( <sup>3</sup> )	( <sup>3</sup> )	5.71	12,462,779	
1983	63,779	62,525	26.2	1,635,772	( <sup>3</sup> )	( <sup>3</sup> )	5.71	12,462,779	
1984	67,755	66,113	28.1	1,860,863	( <sup>3</sup> )	( <sup>3</sup> )	7.83	12,774,974	
1985	63,130	61,584	34.1	2,098,531	( <sup>3</sup> )	( <sup>3</sup> )	5.84	10,748,050	
1986	60,385	58,292	33.3	1,940,101	( <sup>3</sup> )	( <sup>3</sup> )	5.05	10,581,042	
1987	57,955	56,977	33.7	1,922,762	( <sup>3</sup> )	( <sup>3</sup> )	4.78	9,262,746	
1988 <sup>4</sup>	58,870	57,383	26.8	1,538,666	( <sup>3</sup> )	( <sup>3</sup> )	5.88	11,304,851	
							7.55	11,589,816	

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979.

<sup>2</sup> Beginning 1974, not estimated separately.

<sup>3</sup> Series discontinued.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 167.—Soybeans: Stocks on and off farms, United States, 1974-89**

Year	On farms				Off farms <sup>3</sup>			
	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Sept. 1 <sup>2</sup>	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Sept. 1 <sup>2</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1974	607,233	331,211	150,738	64,414	552,756	405,943	190,865	106,337
1975	484,978	332,096	165,597	78,229	505,392	323,317	191,704	109,922
1976	590,926	411,535	254,029	86,159	665,689	456,283	300,938	158,781
1977	473,405	227,794	92,400	32,756	559,045	390,214	243,335	70,168
1978	674,550	394,405	207,541	59,132	652,400	455,448	298,815	102,044
1979	699,556	408,930	241,255	61,509	695,034	467,646	284,850	114,079
1980	890,091	600,648	396,040	128,596	877,896	580,322	378,144	229,880
1981	732,384	527,222	363,317	153,571	792,792	493,892	317,603	159,436
1982	882,826	565,792	354,097	117,749	727,478	460,128	292,268	136,732
1983	1,008,139	643,134	424,658	118,574	754,560	504,529	365,966	226,060
1984	620,171	374,237	179,601	67,912	670,384	415,765	292,085	107,784
1985	766,335	487,369	326,596	143,221	655,724	408,632	281,821	172,836

  

Year	Mar. 1	June 1	Sept. 1 <sup>2</sup>	Dec. 1	Mar. 1	June 1	Sept. 1 <sup>2</sup>	Dec. 1
1986	n.a.	411,740	167,090	1,061,000	n.a.	437,186	369,275	895,637
1987	589,000	282,100	107,950	865,300	749,958	554,654	328,497	890,170
1988	551,500	303,900	105,050	650,000	594,620	351,382	197,426	716,812
1989 <sup>4</sup>	415,000	229,200			475,246	286,611		

<sup>1</sup> Prior to 1976, estimates are for July 1.

<sup>2</sup> Old crop only.

<sup>3</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.

<sup>4</sup> Preliminary.

n.a. not available.

National Agricultural Statistics Service.

Table 168.—Soybeans: Supply and disappearance, United States, 1974-88

Year beginning September	Supply				
	Stocks by position			Production	Total
	Farm	Terminal market, interior mill, elevator, and warehouse	Total		
<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	
1974.....	64,414	106,337	170,751	1,216,287	1,387,038
1975.....	78,229	109,922	188,151	1,548,344	1,736,495
1976.....	86,159	158,781	244,940	1,288,608	1,533,548
1977.....	32,756	70,168	102,924	1,767,267	1,870,191
1978.....	59,132	102,044	161,176	1,868,754	2,029,930
1979.....	61,509	114,079	175,588	2,260,665	2,436,253
1980.....	128,596	229,880	358,476	1,797,543	2,156,019
1981.....	153,571	159,436	313,007	1,989,110	2,302,117
1982.....	117,749	136,732	254,481	2,190,297	2,444,778
1983.....	118,574	226,060	344,634	1,635,772	1,980,406
1984.....	67,912	107,784	175,696	1,860,863	2,036,559
1985.....	143,221	172,836	316,057	2,098,531	2,414,588
1986.....	167,090	369,275	536,365	1,940,101	2,476,466
1987.....	107,950	328,497	436,447	1,922,762	2,359,209
1988 <sup>1</sup> .....	105,050	197,426	302,476	1,547,541	1,850,017

  

Year beginning September	Disappearance			
	Crushed <sup>2</sup>	Feed and residual <sup>3</sup>	Net exports <sup>4</sup>	Total
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1974.....	701,262	19,697	427,342	1,205,527
1975.....	865,121	16,845	555,094	1,430,602
1976.....	790,204	10,308	564,071	1,423,562
1977.....	926,661	82,000	700,484	1,709,145
1978.....	1,017,820	99,000	739,154	1,855,974
1979.....	1,123,382	85,000	875,173	1,083,555
1980.....	1,020,493	89,000	724,295	1,833,788
1981.....	1,029,677	83,000	929,080	2,041,757
1982.....	1,107,997	86,989	905,158	2,100,144
1983.....	982,685	79,265	742,760	1,804,710
1984.....	1,030,474	91,854	598,174	1,720,502
1985.....	1,052,827	84,727	740,672	1,878,223
1986.....	1,178,769	104,336	756,914	2,040,019
1987 <sup>1</sup> .....	1,174,482	80,565	801,686	2,056,733

<sup>1</sup> Preliminary.<sup>2</sup> Reported by the U.S. Department of Commerce.<sup>3</sup> Seed, feed, and residual are combined, beginning 1977.<sup>4</sup> Imports negligible.

Economic Research Service.

## FOOTNOTES FOR TABLE 170

<sup>1</sup> Exports only 1978 to date.<sup>2</sup> Preliminary.

Economic Research Service. Data from the U.S. Department of Commerce.

**Table 169.—Soybeans: Area, yield, and production, by States, 1986–88**

State	Area planted			Soybeans for beans								
	1986	1987	1988 <sup>1</sup>	Area harvested			Yield per harvested acre			Production		
				1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	650	500	590	610	480	570	23.0	16.5	25.0	14,030	7,920	14,250
AR.....	3,400	3,300	3,250	3,300	3,250	3,200	20.0	22.0	25.0	66,000	71,500	80,000
DE.....	245	240	230	240	235	225	24.0	18.0	27.0	5,760	4,320	6,075
FL.....	150	95	120	140	93	115	23.0	25.0	29.0	3,220	2,325	3,335
GA.....	1,220	830	930	820	780	900	17.0	20.0	25.0	13,940	15,600	22,500
IL.....	9,050	8,800	8,800	9,000	8,700	8,700	40.0	38.0	27.0	360,000	330,600	234,900
IN.....	4,300	4,400	4,300	4,250	4,350	4,200	37.0	40.0	27.5	157,250	174,000	115,500
IA.....	8,500	7,950	8,050	8,450	7,900	8,000	41.5	43.5	31.0	350,675	343,650	248,000
KS.....	1,850	2,150	2,050	1,740	2,110	2,000	33.5	32.0	23.0	58,290	67,520	46,000
KY.....	1,150	990	980	1,120	960	910	32.0	25.0	26.5	35,840	24,000	24,115
LA.....	1,880	1,700	1,900	1,750	1,650	1,850	20.0	23.5	27.5	35,000	38,775	50,875
MD.....	400	420	465	390	410	455	27.0	22.5	31.0	10,530	9,225	14,105
MI.....	970	1,100	1,250	930	1,090	1,210	31.0	35.0	28.0	28,830	38,150	33,880
MN.....	4,750	4,700	4,900	4,650	4,650	4,800	35.0	39.0	26.0	162,750	181,350	124,800
MS.....	2,600	2,550	2,400	2,450	2,450	2,250	17.0	19.5	22.0	41,650	47,775	49,500
MO.....	5,450	4,900	4,300	5,250	4,830	4,230	32.5	32.0	26.0	170,625	154,560	109,980
NE.....	2,500	2,400	2,400	2,450	2,350	2,360	38.0	35.5	20.0	93,100	83,425	70,800
NJ.....	120	100	105	117	99	103	28.0	31.0	27.0	3,276	3,069	2,781
NC.....	1,640	1,400	1,470	1,530	1,340	1,410	24.0	24.5	27.0	36,720	32,830	38,070
ND.....	475	520	750	470	515	690	35.0	32.5	18.0	16,450	16,738	12,420
OH.....	3,650	4,000	3,900	3,620	3,980	3,700	40.5	37.0	27.0	146,610	147,260	99,900
OK.....	255	240	300	200	230	270	24.0	25.0	18.0	4,800	5,750	4,860
PA.....	160	170	230	155	165	225	35.0	34.0	32.0	5,425	5,610	7,200
SC.....	1,020	750	800	830	730	790	16.5	21.5	23.0	13,695	15,695	18,170
SD.....	1,350	1,400	1,760	1,330	1,390	1,730	30.5	32.5	24.0	40,565	45,175	41,520
TN.....	1,470	1,300	1,400	1,420	1,250	1,320	25.0	23.0	26.0	35,500	28,750	34,320
TX.....	240	170	240	190	150	225	23.0	28.0	28.0	4,370	4,200	6,300
VA.....	610	550	570	570	520	555	24.0	21.0	28.0	13,680	10,920	15,540
WI.....	330	330	430	320	320	390	36.0	38.0	23.0	11,520	12,160	8,970
US.....	60,385	57,955	58,870	58,292	56,977	57,383	33.3	33.7	26.8	1,940,101	1,922,762	1,538,666

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 170.—Soybeans: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1974–88**

Year beginning October	Soybeans crushed					Soybean oil			Soybean cake and meal		
	Oct.-Dec.	Jan.-Mar.	Apr.-June	July-Sept.	Total	Stocks Oct. 1	Production	Exports	Stocks Oct. 1	Production	Exports
	1,000 bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els	Million pounds	Million pounds	Million pounds	1,000 tons	1,000 tons	1,000 tons
1974.....	182,656	178,196	163,587	179,710	704,149	794	7,375	1,090	507	16,702	4,299
1975.....	220,260	222,106	231,457	208,666	877,489	561	9,630	1,034	358	20,754	5,145
1976.....	219,012	218,168	184,431	151,666	773,277	1,251	8,578	1,547	355	18,488	4,569
1977.....	247,701	247,190	235,108	216,180	946,179	771	10,288	2,057	228	22,371	6,080
1978.....	275,260	261,117	253,009	232,880	1,022,266	729	11,323	2,334	243	24,354	6,610
1979.....	301,607	308,887	268,460	250,147	1,129,101	776	12,105	2,690	267	27,105	7,932
1980.....	290,378	260,450	241,097	222,398	1,014,323	1,210	11,270	1,631	226	24,312	6,784
1981.....	304,502	266,749	244,647	213,779	1,029,677	1,736	10,979	2,077	163	24,634	6,908
1982.....	320,159	298,556	247,012	253,881	1,119,608	1,103	12,040	2,025	175	26,791	7,109
1983.....	272,408	259,026	224,579	205,635	961,648	1,261	10,873	1,814	474	22,756	5,360
1984.....	289,243	260,953	255,295	245,939	1,051,430	721	11,468	1,660	255	24,529	4,917
1985.....	291,843	272,653	250,288	240,941	1,055,725	632	11,617	1,257	387	24,951	6,009
1986.....	324,038	318,524	281,832	254,636	1,179,030	947	12,783	1,185	212	27,759	7,343
1987.....	324,478	314,198	289,845	246,178	1,174,699	1,725	12,975	1,873	240	28,060	6,871
1988 <sup>2</sup> .....	296,196	279,116	252,539			2,092			154		

See footnotes on page 125.

**Table 171.—Soybeans for beans: Marketing year average price and value of production, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per bushel <sup>1</sup>			Value of production <sup>1</sup>		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	4.91	5.78	7.60	68,887	45,778	108,300
AR.....	4.97	5.92	7.60	328,020	423,280	608,000
DE.....	4.84	5.90	7.60	27,878	24,957	46,173
FL.....	4.90	5.55	7.50	15,778	12,904	25,013
GA.....	4.75	5.61	7.40	66,215	87,516	166,500
IL.....	4.91	6.00	7.65	1,767,600	1,983,600	1,796,985
IN.....	4.76	5.94	7.65	748,510	1,033,560	883,575
IA.....	4.73	5.97	7.50	1,658,693	2,051,591	1,860,000
KS.....	4.60	5.49	7.45	268,134	370,685	342,700
KY.....	4.97	5.93	7.75	178,125	142,320	186,891
LA.....	4.86	5.59	7.50	170,100	216,752	381,563
MD.....	4.84	5.90	7.65	50,965	54,428	107,903
MI.....	4.67	5.62	7.30	134,636	214,403	247,324
MN.....	4.72	6.10	7.35	768,180	1,106,235	917,280
MS.....	4.93	5.84	7.50	205,335	279,006	371,250
MO.....	4.61	5.70	7.60	786,581	880,992	835,848
NE.....	4.56	5.82	7.45	424,536	485,534	527,460
NJ.....	4.75	5.75	7.55	15,561	17,647	20,997
NC.....	4.82	5.79	7.55	176,990	190,086	287,429
ND.....	4.63	5.27	7.25	76,164	88,209	90,045
OH.....	4.86	5.94	7.55	712,525	874,724	754,245
OK.....	4.55	5.60	7.20	21,840	32,200	34,992
PA.....	4.85	6.20	7.60	26,311	34,782	54,720
SC.....	4.93	5.89	7.50	67,516	92,444	136,275
SD.....	4.58	5.37	7.40	185,788	242,590	307,248
TN.....	4.87	5.61	7.65	172,885	161,288	262,548
TX.....	4.42	5.20	7.10	19,315	21,840	44,730
VA.....	4.90	6.05	7.50	67,032	66,066	116,550
WI.....	4.57	5.71	7.50	52,646	69,434	67,275
US.....	4.78	5.88	7.55	9,262,746	11,304,851	11,589,816

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 172.—Soybeans: Price-support operations, United States, 1974-88**

Year beginning September	Support price		Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC Aug. 31
	Per bushel	Percentage of parity <sup>1</sup>	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>Percent</i>		
1974.....	2.25	37	34,554	2.8	7	
1975.....	(*)					
1976.....	2.50	34	22,471	1.7	2	
1977.....	3.50	46	97,548	5.5	104	
1978.....	4.50	51	64,173	3.4	179	
1979.....	4.50	45	122,084	5.4	275	1
1980.....	5.02	43	133,209	7.4	3,424	76
1981.....	5.02	40	221,486	11.1	23,419	512
1982.....	5.02	39	396,564	18.1	287	20,851
1983.....	5.02	39	101,208	6.2	443	700
1984.....	5.02	39	278,264	15.0	151,727	4,400
1985.....	5.02	40	517,798	24.7	301,471	131,300
1986.....	4.77	39	327,575	16.9	4,105	249,200
1987.....	4.77	39	274,704	14.3	<sup>5</sup> 20	6,900
1988.....	4.77	40	<sup>5</sup> 120,100	7.8		

<sup>1</sup> Percentage of the parity price as of the beginning of the marketing year.<sup>2</sup> Includes loans made, purchase agreements entered into, and direct purchases.<sup>3</sup> Acquisitions through loans and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year.<sup>4</sup> Price support not authorized for the 1975 crop.<sup>5</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 173.—Soybeans, soybean meal, and oil: Average price at specified markets, 1974-87

Year <sup>1</sup>	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, fob Decatur	Soybean meal per short ton: 44 percent protein Decatur	Year <sup>1</sup>	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, fob Decatur	Soybean meal per short ton: 44 percent protein Decatur
	Dollars	Cents	Dollars		Dollars	Cents	Dollars
1974.....	6.34	30.7	130.86	1982.....	6.11	20.62	187.19
1975.....	5.25	18.3	147.78	1983.....	7.78	30.55	188.21
1976.....	7.36	23.9	199.80	1984.....	5.98	29.52	125.46
1977.....	6.11	24.5	164.20	1985.....	5.20	18.02	154.88
1978.....	7.09	27.2	190.05	1986.....	5.03	15.36	162.61
1979.....	6.46	24.3	181.91	1987.....	6.67	22.67	221.90
1980.....	7.59	22.73	218.18				
1981.....	6.24	18.95	182.52				

<sup>1</sup> Year beginning September for soybeans and October for oil and meal.  
Economic Research Service.

Table 174.—Soybeans: Area, yield, and production in specified countries and the world, 1986-87/1988-89 <sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986-87	1987-88	1988-89 <sup>3</sup>	1986-87	1987-88	1988-89 <sup>3</sup>	1986-87	1987-88	1988-89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North and Central America:									
Canada.....	384	461	531	2.50	2.75	2.17	960	1,270	1,153
Guatemala.....	14	12	13	2.07	2.17	2.15	29	26	28
Mexico.....	340	390	145	1.94	1.92	2.07	660	750	300
United States <sup>4</sup> .....	23,590	23,058	23,223	2.24	2.27	1.80	52,801	52,329	41,876
Total.....	24,328	23,921	23,912				54,450	54,375	43,357
South America:									
Argentina.....	3,510	4,260	4,000	1.99	2.28	1.65	7,000	9,700	6,600
Bolivia.....	43	83	120	1.88	1.90	2.00	81	158	240
Brazil.....	9,270	10,524	12,100	1.87	1.71	1.85	17,300	18,021	22,400
Colombia.....	65	61	93	1.97	1.89	2.15	128	115	200
Ecuador.....	47	55	57	1.81	1.67	1.70	85	92	97
Paraguay.....	530	615	695	1.79	1.79	2.01	950	1,100	1,400
Peru.....	3	3	5	2.00	1.67	1.50	6	5	8
Uruguay.....	43	43	58	1.86	1.63	1.21	80	70	70
Venezuela.....	2	2	7	1.00	1.00	1.43	2	2	10
Total <sup>5</sup> .....	13,513	15,646	17,135				25,632	29,263	31,025
Europe:									
France.....	48	79	92	1.77	2.35	2.64	85	186	243
Greece.....	1	2	3	3.00	2.00	1.67	3	4	5
Italy.....	232	481	415	3.47	3.30	3.36	806	1,589	1,393
Spain.....	1	2	7	2.00	2.00	1.86	2	4	13
Total EC.....	282	564	517				896	1,783	1,654
Austria.....	0	0	6	.00	.00	2.00	0	0	12
Switzerland.....	0	0	1	.00	.00	2.00	0	0	2
Total Western Europe.....	282	564	524				896	1,783	1,668
Bulgaria.....	51	36	40	1.06	.94	1.00	54	34	40
Czechoslovakia.....	2	2	2	1.50	2.50	2.50	3	5	5
Hungary.....	23	36	65	2.22	1.81	1.58	51	65	103
Romania.....	312	350	340	1.51	1.00	1.00	472	350	340
Yugoslavia.....	96	105	110	2.34	2.26	1.61	225	237	177
Total Eastern Europe.....	484	529	557				805	691	665
Total Europe.....	766	1,093	1,081				1,701	2,474	2,333
Soviet Union (Europe and Asia):									
	745	783	760	.94	.91	1.16	703	712	880
Africa:									
Egypt.....	50	50	50	2.80	2.80	2.60	140	140	130
Morocco.....	2	4	2	1.00	1.00	1.00	2	4	2
Nigeria.....	100	108	115	.70	.60	.61	70	65	70
South Africa, Republic of.....	40	44	45	1.58	1.91	2.22	63	84	100
Zambia.....	21	26	32	1.05	1.23	1.06	22	32	34
Zimbabwe.....	59	65	71	1.83	1.83	1.70	108	119	121
Total.....	272	297	315				405	444	457

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Table 174.—Soybeans: Area, yield, and production in specified countries and the world, 1986-87/1988-89 <sup>1</sup>—Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986-87	1987-88	1988-89 <sup>3</sup>	1986-87	1987-88	1988-89 <sup>3</sup>	1986-87	1987-88	1988-89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Asia:									
Burma .....	32	34	36	.84	.79	.78	27	27	28
China (Mainland) .....	8,295	8,411	8,021	1.40	1.48	1.45	11,614	12,430	11,650
India .....	1,527	1,680	1,800	.58	.58	.78	891	980	1,400
Indonesia .....	920	950	1,050	.98	1.00	1.05	900	950	1,100
Iran .....	50	50	50	1.80	1.80	1.80	90	90	90
Japan .....	138	163	162	1.78	1.76	1.71	245	287	277
Korea, Democratic People's Rep. ....	335	340	340	1.30	1.29	1.29	435	440	440
Korea, Republic of .....	133	154	145	1.50	1.32	1.79	199	203	259
Pakistan .....	5	4	6	1.00	1.00	.83	5	4	5
Philippines .....	8	9	9	.88	.78	.89	7	7	8
Taiwan .....	9	7	8	2.00	2.14	2.00	18	15	16
Thailand .....	282	303	365	1.26	1.12	1.23	356	338	450
Turkey .....	60	112	70	2.00	1.07	1.00	120	120	70
Vietnam .....	135	135	150	.70	.70	.80	95	95	120
Sri Lanka .....	0	3	4	.00	.67	.75	0	2	3
Total .....	11,929	12,355	12,216				15,002	15,988	15,916
Oceania:									
Australia .....	66	55	77	1.74	1.64	1.42	115	90	109
World total .....	51,619	54,150	55,496				98,008	103,346	94,077

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. <sup>2</sup> Harvested area as far as possible. <sup>3</sup> Preliminary. <sup>4</sup> Area harvested for beans. <sup>5</sup> Includes estimates for above countries for which data are not available and for minor producing countries.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 175.—Soybeans, soybean oil, and soybean oilseed cake and meal: United States exports by country of destination, 1985/86-1987/88 <sup>1</sup>

Continent and country of destination	Soybeans			Soybean oil <sup>2</sup>			Soybean oilseed cake and meal		
	1985/86	1986/87	1987/88 <sup>2</sup>	1985/86	1986/87	1987/88 <sup>2</sup>	1985/86	1986/87	1987/88 <sup>2</sup>
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North America:									
Barbados .....	0	0	0	1,259	801	600	11,185	12,758	13,306
Canada .....	114,372	205,573	153,890	6,105	6,940	7,344	607,344	791,136	693,201
Haiti .....	8,280	0	29	9,474	15,347	3,411	766	3,195	2,041
Jamaica .....	51,859	62,364	38,029	750	1,939	126	0	2,251	28,554
Mexico .....	813,901	1,043,717	874,376	49,109	21,883	11,537	81,465	102,495	183,994
Netherlands Antilles .....	0	0	9	492	1,665	1,316	1,846	1,461	133
Panama .....	18	276	1,313	2,780	2,975	3,736	27,057	26,229	20,593
Total <sup>4</sup> .....	1,045,447	1,440,661	1,243,236	91,940	122,291	68,698	918,501	1,173,333	1,165,148
South America:									
Bolivia .....	0	0	0	1,560	2,293	2,123	0	0	0
Chile .....	0	0	0	2	0	2	0	0	0
Colombia .....	58,050	134,332	216,060	8,940	529	281	0	0	10,456
Ecuador .....	0	0	0	16,683	18,314	19,050	0	0	0
Peru .....	0	20,999	21,011	1,602	1,292	1,144	43,471	62,602	76,761
Surinam .....	0	0	0	0	0	0	10,757	3,902	0
Venezuela .....	145,935	189,624	179,625	17,108	18,652	4,866	566,767	628,051	680,394
Total <sup>4</sup> .....	460,297	608,609	903,479	45,997	41,580	28,624	621,945	696,170	768,076
Europe:									
Belgium and Luxembourg .....	784,341	888,161	791,191	0	0	0	0	44,128	0
Czechoslovakia .....	0	0	0	0	0	0	0	0	0
Denmark .....	57,116	69,038	59,364	0	2	0	9,944	5,124	0
France .....	370,667	438,509	375,023	0	167	22	15,000	53,733	33,331
Germany, Fed. Rep. of .....	934,105	1,392,997	1,415,943	502	150	734	575,998	803,542	177,288
Greece .....	199,046	203,426	257,143	0	0	0	0	23,604	10,499
Iceland .....	0	0	0	17	12	34	0	0	0
Ireland .....	0	0	0	0	0	0	4,679	40,623	32,392
Italy .....	838,706	528,063	100,309	0	0	0	18	658,196	979,674
Netherlands .....	3,056,474	3,539,932	4,287,336	38	1,490	3	1,221,112	926,367	554,693
Norway .....	174,072	193,260	206,445	0	0	0	41	0	0
Poland .....	0	0	0	2,942	2,518	0	0	0	26,907
Spain .....	1,519,011	1,775,335	1,592,854	1	32	0	74,547	189,512	71,164
Sweden .....	0	0	10	0	0	0	9,064	0	0
Switzerland .....	1,505	5,004	6,684	2	0	0	0	0	0

**Table 175.—Soybeans, soybean oil, and soybean oilseed cake and meal: United States exports by country of destination, 1985/86–1987/88<sup>1</sup>—Continued**

Continent and country of destination	Soybeans			Soybean oil <sup>3</sup>			Soybean oilseed cake and meal		
	1985/86	1986/87	1987/88 <sup>2</sup>	1985/86	1986/87	1987/88 <sup>2</sup>	1985/86	1986/87	1987/88 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:—Continued									
United Kingdom.....	441,957	385,841	579,697	95	19	344	59,666	73,398	41,624
Yugoslavia.....	243,450	193,332	157,081	0	0	0	128,753	124,740	88,604
Total *.....	9,419,889	10,589,182	10,723,762	3,597	4,390	1,196	2,904,729	3,584,044	1,721,519
Soviet Union.....	1,518,594	70,959	831,083	0	0	0	0	0	1,302,721
Africa:									
Morocco.....	28,051	13,201	12,223	3,296	59,547	35,821	0	7,994	0
South Africa.....	0	0	0	2,698	1,687	171	11	11	11
Egypt.....	44,000	113,706	76,521	4,921	1,922	679	200,030	274,861	181,955
Total *.....	72,051	126,907	88,744	90,643	123,808	160,601	309,022	406,015	554,282
Asia:									
Taiwan.....	1,505,815	1,967,595	1,857,363	80	38	48	0	0	17
India.....	0	0	0	37,562	47,098	151,608	0	0	0
Israel.....	415,643	402,400	454,332	500	560	416	0	59	0
Japan.....	4,293,149	4,024,154	3,914,119	623	810	638	45,944	26,418	22,967
Korea, Rep. of.....	995,703	1,032,176	1,097,365	19	137	36	42,378	48,193	0
Pakistan.....	0	0	0	274,935	146,663	396,737	0	0	1,067
Philippines.....	5,375	0	5,307	3,000	5,926	6,734	164,002	124,839	92,977
Total *.....	7,507,835	7,669,061	7,946,339	337,535	246,012	590,861	679,032	718,364	677,453
Oceania:									
Australia.....	19	0	72,700	168	377	14	40,206	33,845	20,749
New Zealand.....	4	146	1	415	5	1	2,126	5,498	7,817
Total *.....	23	146	72,701	589	385	32	42,551	39,524	28,918
Grand total *.....	20,167,802	20,599,705	21,843,691	570,297	538,466	850,015	5,475,778	6,617,449	6,218,120

See footnotes on page 134.

**Table 176.—Sunflower: Area, yield, production, and value, United States, 1974–88<sup>1</sup>**

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	572	548	957	524,705	15.90	83,219
1975.....	787	709	1,109	786,010	10.80	84,962
1976.....	834	810	1,058	857,100	11.00	94,229
1977.....	2,321	2,205	1,252	2,760,470	10.20	280,428
1978.....	2,840	2,798	1,365	3,817,920	10.70	409,323
1979.....	5,555	5,410	1,349	7,296,110	8.99	659,962
1980.....	3,910	3,683	1,016	3,741,640	10.90	413,907
1981.....	3,865	3,811	1,177	4,487,410	10.80	485,358
1982.....	4,815	4,724	1,129	5,332,820	9.03	473,454
1983.....	3,110	3,063	1,044	3,198,500	13.00	418,764
1984.....	3,754	3,692	1,014	3,744,530	11.30	415,584
1985.....	3,055	2,844	1,109	3,153,020	7.93	251,505
1986.....	2,025	1,955	1,369	2,675,750	6.90	185,119
1987.....	1,805	1,775	1,469	2,608,150	8.34	217,618
1988 <sup>2</sup> .....	1,938	1,806	898	1,622,370	12.10	196,093

<sup>1</sup> Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 177.—Sunflower, Oil Varieties: Area, yield, production, and value, United States, 1974–88<sup>1</sup>**

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	321	309	1,010	312,025	16.70	51,976
1975.....	573	523	1,117	584,000	10.50	61,137
1976.....	616	600	1,072	643,200	10.70	68,796
1977.....	2,075	1,965	1,252	2,472,120	10.10	249,348
1978.....	2,598	2,559	1,369	3,508,520	10.70	375,673
1979.....	5,331	5,191	1,350	7,008,550	8.93	625,912
1980.....	3,649	3,442	1,019	3,508,710	10.90	383,339
1981.....	3,545	3,496	1,178	4,118,570	10.60	436,252
1982.....	4,566	4,479	1,126	5,045,390	8.70	439,154
1983.....	2,954	2,909	1,041	3,027,850	13.10	396,573
1984.....	3,517	3,460	1,011	3,499,400	10.80	378,371
1985.....	2,807	2,608	1,100	2,867,920	7.45	213,774
1986.....	1,777	1,716	1,367	2,345,110	6.54	153,897
1987.....	1,587	1,563	1,473	2,302,250	8.15	187,673
1988 <sup>2</sup> .....	1,663	1,543	884	1,364,570	11.40	154,450

<sup>1</sup> Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.



Table 178.—Sunflower, non-oil varieties: Area, yield, production, and value, United States, 1974-88 <sup>1</sup>

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
1974.....	251	239	890	212,680	14.70	31,243
1975.....	214	186	1,086	202,010	11.80	23,825
1976.....	218	210	1,019	213,900	11.90	25,433
1977.....	246	240	1,201	288,350	10.80	31,080
1978.....	242	239	1,315	314,400	10.80	33,948
1979.....	224	219	1,313	287,560	11.80	34,050
1980.....	261	241	987	232,930	13.10	30,568
1981.....	320	315	1,171	368,840	13.30	49,106
1982.....	249	245	1,173	287,430	11.90	34,300
1983.....	156	154	1,108	170,650	13.00	22,191
1984.....	237	232	1,057	245,130	14.90	36,613
1985.....	248	236	1,208	285,100	13.20	37,731
1986.....	248	239	1,333	330,640	9.53	31,422
1987.....	218	212	1,443	305,900	9.79	29,945
1988 <sup>2</sup> .....	275	263	980	257,800	15.80	40,643

<sup>1</sup> Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 179.—Sunflower: Area, yield, production, and value, by States, 1987-88

State	Area planted		Area harvested		Yield per harvested acre		Production		Marketing year average price per cwt.		Value of production	
	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987		1987	1988 <sup>1</sup>
									Dol-	Dol-		
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	1,000 pounds	1,000 pounds	Dol-	Dol-	1,000 dollars	1,000 dollars
Oil varieties:												
MN.....	80	45	79	35	1,450	1,350	114,550	47,250	8.19	11.20	9,382	5,292
ND.....	1,200	1,350	1,180	1,250	1,520	880	1,793,600	1,100,000	8.25	11.40	147,972	125,400
SD.....	295	255	293	246	1,300	820	380,900	201,720	7.70	11.50	29,329	23,198
TX.....	12	13	11	12	1,200	1,300	13,200	15,600	7.50	10.00	990	1,560
Total.....	1,587	1,663	1,563	1,543	1,473	884	2,302,250	1,364,570	8.15	11.40	187,673	154,450
Non-oil varieties:												
MN.....	10	13	9	12	1,500	1,400	13,500	16,800	9.96	18.70	1,345	3,142
ND.....	200	250	195	240	1,450	950	282,750	228,000	9.78	15.60	27,653	35,568
SD.....	5	5	5	4	1,210	800	6,050	3,200	9.70	16.00	587	512
TX.....	3	7	3	7	1,200	1,400	3,600	9,800	10.00	14.50	360	1,421
Total.....	218	275	212	263	1,443	980	305,900	257,800	9.79	15.80	29,945	40,643
Total:												
MN.....	90	58	88	47	1,455	1,363	128,050	64,050	8.38	13.20	10,727	8,434
ND.....	1,400	1,600	1,375	1,490	1,510	891	2,076,350	1,328,000	8.46	12.10	175,625	160,968
SD.....	300	260	298	250	1,298	820	386,950	204,920	7.70	11.60	29,916	23,710
TX.....	15	20	14	19	1,200	1,337	16,800	25,400	8.04	11.70	1,350	2,981
Total.....	1,805	1,938	1,775	1,806	1,469	898	2,608,150	1,622,370	8.34	12.10	217,618	196,093

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 180.—Sunflower seeds: Yield and production in specified countries, 1986/87–1988/89<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>	1986/87	1987/88	1988/89 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada.....	26	34	43	1.38	1.53	1.14	36	52	49
Mexico.....	15	12	16	1.00	.83	.94	15	10	15
United States.....	791	718	809	1.53	1.65	1.04	1,214	1,183	845
Total.....	832	764	868				1,265	1,245	909
<b>South America:</b>									
Argentina.....	1,800	2,058	2,200	1.39	1.36	1.32	2,500	2,800	2,900
Brazil.....	3	4	12	1.00	1.50	1.25	3	6	15
Chile.....	19	23	15	1.79	2.13	2.00	34	49	30
Colombia.....	3	1	2	1.67	2.00	1.50	5	2	3
Paraguay.....	7	7	6	1.14	1.29	1.17	8	9	7
Uruguay.....	44	44	60	.75	.75	.50	33	33	30
Venezuela.....	15	45	100	.73	.76	.75	11	34	75
Total <sup>4</sup> .....	1,891	2,182	2,395				2,594	2,933	3,060
<b>Europe:</b>									
France.....	849	965	912	2.24	2.60	2.57	1,902	2,508	2,340
Germany, Federal Republic of.....	2	8	20	2.00	3.00	3.00	4	24	60
Greece.....	79	90	42	2.08	1.61	1.50	164	145	63
Italy.....	104	108	124	2.45	2.18	2.07	255	235	257
Portugal.....	44	43	49	.75	.65	1.18	33	28	58
Spain.....	1,070	994	921	.86	1.01	1.22	920	1,006	1,123
Total EC.....	2,148	2,208	2,068				3,278	3,946	3,901
Austria.....	1	11	21	1.00	3.18	2.67	1	35	56
Total Western Europe.....	2,149	2,219	2,089				3,279	3,981	3,957
Bulgaria.....	255	266	265	1.92	1.50	1.51	489	400	400
Czechoslovakia.....	27	27	30	2.30	2.30	2.07	62	62	62
Hungary.....	391	376	363	2.19	2.09	1.94	857	787	705
Romania.....	470	455	444	2.14	1.43	1.31	1,004	650	580
Yugoslavia.....	189	251	207	2.38	1.94	1.95	449	486	404
Total Eastern Europe.....	1,332	1,375	1,309				2,861	2,385	2,151
Total Europe.....	3,481	3,594	3,398				6,140	6,366	6,108
Soviet Union.....	3,848	4,156	4,280	1.37	1.46	1.44	5,258	6,075	6,157
<b>Africa:</b>									
Egypt.....	7	8	10	2.14	1.75	1.80	15	14	18
Ethiopia.....	61	61	61	.36	.36	.36	22	22	22
Kenya.....	16	16	16	1.25	1.25	1.25	20	20	20
Morocco.....	44	60	88	.73	.78	1.00	32	47	88
Mozambique.....	35	35	35	.57	.57	.57	20	20	20
South Africa, Republic of.....	383	462	462	1.05	1.17	.87	404	540	400
Tanzania, United Republic of.....	81	81	81	.52	.52	.52	42	42	42
Uganda.....	5	5	5	.40	.40	.40	2	2	2
Zambia.....	30	35	38	.63	.57	.58	19	20	22
Zimbabwe.....	87	100	100	.25	.47	.50	22	47	50
Total <sup>4</sup> .....	749	863	896				598	774	684
<b>Asia:</b>									
Burma.....	249	261	264	1.02	.85	.90	253	221	238
China (Mainland).....	1,107	887	940	1.39	1.40	1.43	1,544	1,241	1,340
India.....	992	1,400	1,300	44	43	42	436	600	550
Iran.....	19	19	19	.74	.74	.74	14	14	14
Iraq.....	14	14	14	.79	.79	.79	11	11	11
Israel.....	6	6	6	1.50	1.00	1.67	9	6	10
Pakistan.....	45	56	60	.71	.55	.67	32	31	40
Syria.....	15	15	15	1.00	1.00	1.00	15	15	15
Turkey.....	689	775	700	1.36	1.15	1.57	940	895	1,100
Total <sup>4</sup> .....	3,136	3,433	3,318				3,254	3,034	3,318
<b>Oceania:</b>									
Australia.....	178	193	171	.81	.72	.95	145	138	163
World total <sup>4</sup> .....	14,115	15,185	15,326				19,254	20,565	20,399

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. <sup>2</sup> Harvested area as far as possible. <sup>3</sup> Preliminary. <sup>4</sup> Totals may not add.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 181.—Peppermint oil: Area, yield, production, and value, United States, 1974–88

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	61.8	61.0	54	3,302	13.80	45,696
1975.....	( <sup>1</sup> )	68.1	55	3,753	12.60	47,120
1976.....		72.2	51	3,700	14.80	54,702
1977.....		86.9	51	4,409	14.30	63,209
1978.....		100.0	56	5,557	10.60	59,081
1979.....		90.9	53	4,815	9.91	47,693
1980.....		81.3	57	4,611	9.40	43,355
1981.....		69.5	60	4,191	9.39	39,359
1982.....		60.9	60	3,668	9.24	33,908
1983.....		61.3	63	3,867	10.10	39,152
1984.....		67.2	64	4,334	10.80	46,964
1985.....		65.1	66	4,317	10.20	43,989
1986.....		64.2	67	4,328	10.70	46,218
1987.....		65.8	68	4,446	11.60	51,711
1988 <sup>2</sup> .....		80.5	67	5,360	15.90	85,364

<sup>1</sup> Estimates discontinued.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 182.—Spearmint oil: Area, yield, production, and value, United States, 1974–88

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	26.9	26.4	55	1,463	10.70	15,666
1975.....	( <sup>1</sup> )	28.0	64	1,778	10.40	18,461
1976.....		29.0	58	1,686	12.30	20,778
1977.....		37.1	63	2,329	12.40	28,947
1978.....		46.1	70	3,244	7.46	24,200
1979.....		33.1	58	1,921	8.72	16,757
1980.....		31.3	68	2,139	9.61	20,554
1981.....		29.2	75	2,177	9.42	20,510
1982.....		22.8	59	1,355	12.60	17,067
1983.....		26.2	61	1,596	12.30	19,687
1984.....		27.9	72	2,019	12.60	25,405
1985.....		30.1	77	2,317	11.70	27,084
1986.....		28.5	93	2,658	11.40	30,396
1987.....		23.8	86	2,053	12.10	24,907
1988 <sup>2</sup> .....		22.6	77	1,745	12.70	22,240

<sup>1</sup> Estimates discontinued.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 183.—Mint Oil: Production and value, by States, 1986-88

State	Production			Price per pound			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	Dol- lars	Dol- lars	Dol- lars	1,000 dollars	1,000 dollars	1,000 dollars
<b>Peppermint:</b>									
ID.....	584	595	809	8.45	9.00	12.50	4,985	5,355	10,113
IN.....	228	234	194	13.30	13.50	27.20	3,032	3,159	5,277
OR.....	2,345	2,450	2,840	11.70	12.40	16.80	27,437	30,380	47,712
WA.....	970	1,001	1,419	8.35	10.40	14.10	8,100	10,410	20,008
WI.....	201	166	98	13.50	14.50	23.00	2,714	2,407	2,254
US.....	4,328	4,446	5,360	10.70	11.60	15.90	46,218	51,711	85,364
<b>Spearmint:</b>									
ID.....	252	187	165	14.00	14.00	14.30	3,528	2,618	2,360
IN.....	140	137	80	11.00	12.90	16.90	1,540	1,767	1,352
MI.....	87	52	36	11.00	12.50	16.60	957	650	598
OR.....	153	113	111	14.00	13.80	14.00	2,142	1,559	1,554
WA.....	1,859	1,408	1,261	10.70	11.40	11.60	19,891	16,051	14,628
WI.....	167	156	92	14.00	14.50	19.00	2,338	2,262	1,748
US.....	2,658	2,053	1,745	11.40	12.10	12.70	30,396	24,907	22,240

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 175

<sup>1</sup> For soybeans, year begins Sept. 1; for soybean oil and oilseed cake and meal, year begins Oct. 1.<sup>2</sup> Preliminary.<sup>3</sup> Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census.<sup>4</sup> Includes quantities exported to countries not shown.<sup>5</sup> Total may not add due to rounding.<sup>6</sup> Includes 133,663 metric tons, 94,182 metric tons and 9,147 metric tons transhipped via Canada to unidentified countries in 1985/86, 1986/87 and 1987/88 respectively.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 184.—Olive oil: <sup>1</sup> Production in specified countries and the world, 1985–88

Country	1985	1986	1987	1988 <sup>2</sup>	Country	1985	1986	1987	1988 <sup>2</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Europe:					Africa:				
France .....	2	1	1	2	Algeria .....	12	12	12	13
Greece .....	265	248	210	284	Morocco .....	28	43	42	32
Italy .....	641	355	660	394	Tunisia .....	105	114	100	80
Portugal .....	33	51	43	25	Libya .....	7	7	7	5
Spain .....	397	493	691	358	Total .....	152	176	161	130
Yugoslavia .....	2	2	6	4	Argentina .....	16	16	15	15
Total .....	1,340	1,150	1,611	1,067	Other countries .....	4	4	4	4
Middle East:					World total .....	1,626	1,557	1,902	1,430
Israel .....	4	5	4	5					
Jordan .....	9	2	9	6					
Syria .....	32	80	40	84					
Lebanon .....	9	9	8	9					
Turkey .....	60	115	50	110					
Total .....	114	211	111	214					

<sup>1</sup> Production in marketing year beginning Nov. 1; excludes residue oil.

<sup>2</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 185.—Margarine, actual weight: Supply and disposition, United States, 1974–88

Year	Supply			Disposition		
	Production	Stocks, Jan. 1	Total supply	Exports <sup>1</sup>	Domestic disappearance	
					Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974 .....	2,398	61	2,459	15	2,380	11.1
1975 .....	2,399	64	2,463	5	2,398	11.1
1976 .....	2,628	60	2,688	6	2,615	12.0
1977 .....	2,535	67	2,602	7	2,515	11.4
1978 .....	2,520	80	2,600	7	2,523	11.3
1979 .....	2,553	70	2,623	7	2,535	11.3
1980 .....	2,593	81	2,674	8	2,592	11.4
1981 .....	2,577	74	2,651	17	2,573	11.2
1982 .....	2,596	61	2,657	13	2,582	11.1
1983 .....	2,451	62	2,513	12	2,446	10.4
1984 .....	2,481	55	2,536	9	2,472	10.5
1985 .....	2,603	55	2,658	9	2,588	10.8
1986 .....	2,789	61	2,850	8	2,761	11.5
1987 .....	2,554	81	2,635	8	2,564	10.5
1988 <sup>2</sup> .....	2,549	63	2,612	8	2,542	10.4

<sup>1</sup> Includes shipments prior to 1975. <sup>2</sup> Preliminary.

Economic Research Service. Totals and per capita estimates computed from unrounded numbers.

**Table 186.—Margarine: Selected reported fats and oils used in manufacture, United States, 1974–88**

Year	Vegetable oils			Animal fats <sup>1</sup>	Total <sup>2</sup>
	Soybean oil	Cottonseed oil	Corn oil		
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	1,457	58	188	167	1,905
1975.....	1,568	46	188	52	1,917
1976.....	1,671	51	218	44	2,091
1977.....	1,585	44	243	80	2,026
1978.....	1,598	42	211	74	1,997
1979.....	1,643	25	222	86	1,985
1980.....	1,653	25	223	104	2,016
1981.....	1,685	25	214	78	2,012
1982.....	1,718	21	220	29	1,997
1983.....	1,549	34	212	41	1,850
1984.....	1,544	26	196	.....	1,842
1985.....	1,628	.....	210	65	1,946
1986.....	1,741	.....	190	48	2,041
1987.....	1,615	28	248	22	1,931
1988.....	1,619	.....	210	35	1,895

<sup>1</sup> Lard and edible tallow.<sup>2</sup> Includes small quantities of nuts, coconut, palm, and sunflower oil.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce. Totals computed from unrounded numbers.

**Table 187.—Shortening: Supply and disposition, United States, 1974–88**

Year	Supply			Disposition		
	Factory and warehouse stocks, Jan. 1	Production	Total supply	Exports and shipments	Domestic disappearance	
					Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	115	3,703	3,818	53	3,631	17.0
1975.....	134	3,713	3,847	43	3,722	17.3
1976.....	125	3,929	4,054	51	3,926	18.0
1977.....	128	3,841	3,969	46	3,856	17.5
1978.....	113	4,015	4,128	34	4,021	18.1
1979.....	107	4,206	4,313	41	4,181	18.6
1980.....	132	4,178	4,310	40	4,179	18.4
1981.....	131	4,291	4,422	49	4,302	18.7
1982.....	120	4,379	4,499	45	4,366	18.8
1983.....	133	4,363	4,496	31	4,365	18.6
1984.....	131	5,068	5,199	30	5,070	21.4
1985.....	129	5,505	5,634	30	5,477	22.9
1986.....	127	5,383	5,510	36	5,337	22.1
1987.....	137	5,237	5,374	31	5,204	21.3
1988 <sup>1</sup> .....	139	5,328	5,467	40	5,282	21.4

<sup>1</sup> Preliminary.

Economic Research Service. Compiled from reports of the Commerce and Agriculture Departments.

Table 188.—Shortening: Fats and oils used in manufacture, United States, 1974-88

Year	Vegetable oils				Animal fats		Total primary and secondary fats and oils <sup>1</sup>
	Cottonseed oil	Soybean oil	Coconut oil	Palm oil	Lard	Edible tallow	
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	194	2,177	61	270	317	637	3,725
1975.....	154	2,025	106	604	166	602	3,728
1976.....	128	2,322	128	532	156	622	3,938
1977.....	160	2,279	78	371	185	748	3,855
1978.....	189	2,480	75	266	220	808	4,059
1979.....	169	2,680	93	222	316	713	4,213
1980.....	189	2,651	103	88	378	673	4,200
1981.....	136	2,767	125	217	315	724	4,304
1982.....	158	2,948	139	190	251	679	4,391
1983.....	139	2,914	152	213	277	632	4,381
1984.....	151	3,465	( <sup>2</sup> )	216	263	821	5,108
1985.....	173	3,625	( <sup>2</sup> )	230	289	1,015	5,564
1986.....	182	3,375	( <sup>2</sup> )	320	274	973	5,453
1987.....	136	3,434	( <sup>2</sup> )	215	224	890	5,303
1988 <sup>4</sup> .....	170	3,562	109	173	265	840	5,377

<sup>1</sup> Includes small quantities of corn, peanut, safflower, and sunflower oil. <sup>2</sup> Not included to avoid disclosure.

<sup>3</sup> Not available. <sup>4</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce. Totals computed from unrounded numbers.

Table 189.—Inedible tallow and grease: Supply and disposition, United States, and price per pound at Chicago, 1974-88

Year	Supply				Disposition			Price of inedible tallow No. 1 at Chicago, per pound
	Stocks Jan. 1	Production	Total	Exports	Factory consumption			
					Total	Use in soap	Use in feed	
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents</i>
1974.....	356	5,527	5,895	2,620	3,029	632	1,148	15.3
1975.....	380	4,655	5,050	2,009	2,908	662	1,283	12.0
1976.....	277	5,675	5,961	2,331	3,367	764	1,464	13.2
1977.....	355	6,106	6,465	2,885	3,180	737	1,330	13.6
1978.....	344	5,815	6,162	2,698	3,220	695	1,390	16.0
1979.....	347	5,836	6,183	2,795	3,117	663	1,239	18.8
1980.....	390	5,916	6,306	3,254	2,979	666	1,246	14.3
1981.....	413	6,124	6,537	3,134	2,985	520	1,323	15.3
1982.....	451	6,026	6,477	3,035	2,898	545	1,418	12.8
1983.....	368	6,129	6,497	2,931	2,813	574	1,397	13.4
1984.....	376	5,881	6,257	2,735	2,941	623	1,346	14.5
1985.....	368	5,827	6,195	2,737	2,782	535	1,363	14.3
1986.....	362	5,543	5,905	2,562	2,917	482	1,604	9.0
1987.....	316	5,602	5,918	2,491	3,082	571	1,727	14.9
1988.....	407	6,158	6,565	2,807	3,147	461	1,864	16.6

Economic Research Service.

**Table 190.—Fats, oils, and oilseeds (fat or oil equivalent): World production, 1985-86/1988-89**

Commodity	World production <sup>1</sup>			
	1985-86	1986-87	1987-88	1988-89 <sup>2</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
<b>Edible vegetable oils:</b>				
Cottonseed .....	3,469	3,055	3,471	3,603
Peanut .....	2,956	3,101	2,995	3,612
Soybean .....	13,850	15,192	15,274	14,495
Sunflower .....	6,652	6,568	7,125	7,200
Rapeseed .....	6,233	6,855	7,690	7,547
Olive <sup>3</sup> .....	1,626	1,557	1,902	1,430
<b>Total .....</b>	<b>34,786</b>	<b>36,328</b>	<b>38,457</b>	<b>37,887</b>
<b>Palm oils:</b>				
Coconut .....	3,296	2,934	2,651	2,740
Palm kernel .....	1,090	1,065	1,208	1,289
Palm .....	8,056	7,979	8,389	9,198
<b>Total .....</b>	<b>12,442</b>	<b>11,978</b>	<b>12,248</b>	<b>13,227</b>
<b>Industrial oils:</b>				
Linseed .....	599	640	616	535
<b>Total .....</b>	<b>599</b>	<b>640</b>	<b>616</b>	<b>535</b>
<b>Animal fats:</b>				
Butter (fat content) .....	5,580	5,280	5,150	5,210
Tallow and grease .....	6,402	6,330	6,438	6,350
<b>Total .....</b>	<b>11,982</b>	<b>11,590</b>	<b>11,588</b>	<b>11,560</b>
<b>Marine oils:</b>				
Fish .....	1,517	1,335	1,397	1,518
<b>Total .....</b>	<b>1,517</b>	<b>1,335</b>	<b>1,397</b>	<b>1,518</b>
<b>Total, all commodities .....</b>	<b>61,326</b>	<b>61,871</b>	<b>64,306</b>	<b>64,727</b>

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year.

<sup>2</sup> Preliminary.

<sup>3</sup> Excludes olive residue oil.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.



Table 191.—Fats, oils, oilseeds, and oilseed cake and meal: Exports of selected items, United States, 1974–88

Year beginning January	Lard	Inedible animal tallow, greases, and oils <sup>1</sup>	Oilseeds and nuts					
			Cottonseed	Flaxseed	Peanuts unshelled	Peanuts shelled	Soybeans	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	73,204	1,291,210	44,277	9,296	24,060	240,307	13,939,781	
1975.....	39,791	955,827	6,770	27,138	11,907	235,059	12,496,246	
1976.....	81,900	1,157,959	64,810	10,401	7,393	128,931	15,332,100	
1977.....	82,568	1,401,721	14,727	23,812	14,778	299,931	16,135,496	
1978.....	54,287	1,228,256	42,908	2,392	40,117	354,736	20,704,536	
1979.....	43,507	1,236,915	7,473	3,590	38,053	347,699	20,890,129	
1980.....	41,914	1,516,948	189,057	3,912	24,558	297,679	21,778,536	
1981.....	67,901	1,488,304	25,479	534	21,337	140,963	21,830,405	
1982.....	46,709	1,413,331	37,563	15,047	28,442	193,889	25,474,898	
1983.....	40,195	1,386,778	1,902	2,848	26,500	215,726	22,704,181	
1984.....	40,358	1,267,681	55,141	6,365	26,119	259,541	19,482,717	
1985.....	47,414	1,280,665	45,792	2,433	34,748	298,975	16,889,203	
1986.....	47,827	1,197,774	10,905	39,275	30,320	277,389	21,379,560	
1987.....	48,239	1,155,366	25,272	4,282	41,778	216,371	21,592,443	
1988 <sup>2</sup> .....	57,622	1,336,908	44,085	4,275	37,317	153,273	18,161,879	

  

Year beginning January	Vegetable oils							Oilseed cake and meal	
	Cocoa butter	Coconut oil	Cottonseed oil <sup>3</sup>	Linseed oil	Margarine	Peanut oil	Soybean oil <sup>3</sup>	Soybean	Other <sup>4</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	834	2,754	276,673	52,940	1,884	20,786	762,094	4,909,653	248,111
1975.....	405	2,570	297,861	39,542	2,152	12,154	356,338	3,782,761	166,941
1976.....	443	19,890	236,293	9,477	2,893	47,821	510,007	4,862,126	180,939
1977.....	1,130	7,342	331,758	11,570	3,063	45,065	773,791	4,133,659	159,352
1978.....	240	5,230	330,765	24,687	3,430	40,339	929,282	5,914,130	340,175
1979.....	253	4,396	287,130	11,379	3,367	4,870	1,129,334	6,087,713	356,672
1980.....	441	4,863	356,276	24,846	3,647	18,102	1,096,080	7,053,989	368,318
1981.....	592	11,362	318,568	31,301	7,509	19,752	818,730	6,344,614	441,094
1982.....	999	10,337	387,525	9,943	6,007	9,598	932,857	6,220,742	224,285
1983.....	587	8,409	194,797	6,905	5,128	2,087	785,690	6,488,317	251,802
1984.....	1,447	16,634	171,239	22,847	4,200	6,685	1,008,517	4,400,371	135,682
1985.....	1,167	9,607	191,377	6,262	4,139	16,543	586,289	4,711,894	137,161
1986.....	906	10,011	173,919	4,095	3,811	35,226	540,447	5,960,340	130,166
1987.....	1,788	34,772	109,881	3,118	3,517	2,999	629,966	5,920,974	176,301
1988 <sup>2</sup> .....	1,113	30,572	171,045	4,529	3,742	3,345	875,492	6,309,526	192,364

<sup>1</sup> Includes edible and inedible tallow, choice white grease, wool grease, yellow grease, edible and inedible oleo and oleo stearine, and animal oils, fats and oils, n.e.c.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes shipments under P.L. 480 as reported by the Bureau of the Census.

<sup>4</sup> Includes corn meal.

Foreign Agricultural Service. Compiled from reports of the Commerce and Agriculture Departments.

Table 192.—Oilseeds, oils, and oilseed cake and meal: Imports of selected items, United States, 1974-88

Year beginning January	Oilseeds					
	Castor beans	Copra	Flaxseed	Peanuts unshelled	Peanuts shelled <sup>1</sup>	Poppy seed
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	4	26,623	13,123	70	175	1,856
1975.....	5	0	3,497	10	241	7,002
1976.....	3	0	32,921	210	69	2,539
1977.....	0	2	38,216	199	49	4,172
1978.....	0	4	28,408	168	64	2,685
1979.....	3	419	54,325	168	47	2,364
1980.....	3	0	30,808	362	80	2,661
1981.....	0	0	118,063	1,389	137,834	2,842
1982.....	2	52	50,919	100	903	3,314
1983.....	0	0	87,491	398	1,080	3,101
1984.....	1	0	76,179	31	972	4,346
1985.....	0	0	125,564	171	162	3,560
1986.....	34	0	60,433	621	1,049	4,789
1987.....	0	536	60,113	308	663	3,776
1988 <sup>2</sup> .....	0	933	109,418	356	577	3,693

  

Year beginning January	Oilseeds—continued			Vegetable oils			
	Rapeseed	Sesame seed	Soybeans	Cocoa butter	Castor oil	Coconut oil	Linseed oil
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	59	25,973	34	16,688	55,665	245,969	17
1975.....	4,625	20,248	41	15,515	31,130	394,207	39
1976.....	2,412	28,649	54	23,083	53,613	552,007	3
1977.....	205	28,357	105	17,730	50,452	456,639	19
1978.....	415	32,000	69	24,638	51,947	463,808	15
1979.....	509	32,099	269	30,839	48,676	444,432	19
1980.....	266	31,571	6,000	34,658	42,732	409,388	7
1981.....	265	37,954	8,498	43,197	40,389	470,330	14
1982.....	421	33,213	6,439	37,326	29,347	409,596	4
1983.....	535	42,789	2,505	47,961	33,680	449,389	3
1984.....	1,047	36,759	10,948	51,712	35,476	377,924	43
1985.....	611	37,394	4,109	70,147	37,189	450,199	11
1986.....	799	36,316	17,897	70,855	37,664	548,317	357
1987.....	503	36,518	10,930	79,774	42,528	506,387	159
1988 <sup>2</sup> .....	6,851	33,146	59,828	78,286	30,365	444,799	169

  

Year beginning January	Vegetable oils—continued						Total oilseed cake and meal
	Olive oil	Palm oil	Palm kernel oil	Peanut oil	Rapeseed oil	Tung oil	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	24,364	186,626	66,129	504	7,696	9,542	18,779
1975.....	21,634	436,388	73,176	323	2,624	13,637	4,302
1976.....	28,303	351,889	63,425	528	5,511	15,653	35,232
1977.....	24,633	249,501	69,896	12	6,876	8,537	20,128
1978.....	28,087	146,431	57,233	19	6,451	8,125	8,977
1979.....	27,306	141,599	76,151	24	6,381	9,089	25,263
1980.....	25,553	115,891	83,294	30	6,422	7,366	26,420
1981.....	27,720	121,893	69,268	38	6,286	6,819	52,671
1982.....	29,235	113,403	95,638	72	6,891	6,531	66,136
1983.....	33,113	149,114	106,547	1,757	5,346	6,185	102,390
1984.....	41,147	147,706	91,683	929	5,259	6,318	116,155
1985.....	43,959	208,652	145,067	405	15,332	6,939	156,386
1986.....	54,010	279,597	195,963	1,090	55,293	5,575	152,498
1987.....	63,736	187,899	182,951	4,700	87,317	5,895	259,742
1988 <sup>2</sup> .....	80,417	152,002	208,524	10,857	162,427	6,406	273,708

<sup>1</sup> Includes blanched or roasted peanuts.<sup>2</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 193.—Inedible animal tallow, greases, and oils: <sup>1</sup> United States exports by region and country of destination, 1986-88

Continent and country	1986	1987	1988 <sup>2</sup>	Continent and country	1986	1987	1988 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North and Central America:</b>				<b>Soviet Union</b>	49,981	54,878	65,000
Canada.....	4,702	6,690	9,887	<b>Africa:</b>			
Dominican Republic.....	20,902	25,926	19,347	Algeria.....	14,493	21,315	28,257
El Salvador.....	41,742	35,598	36,268	Cameroon.....	1,501	0	0
Guatemala.....	29,715	32,149	30,046	Ghana.....	4	0	3,922
Haiti.....	15,562	17,722	21,217	Kenya.....	999	500	14
Honduras.....	12,150	7,546	8,348	Madagascar.....	2,195	1,200	0
Jamaica.....	10,293	7,688	6,055	Morocco.....	6,861	5,757	16,533
Mexico.....	98,066	146,881	126,363	Nigeria.....	17,439	25,162	38,183
Nicaragua.....	0	0	0	Senegal.....	11,840	3,573	9,279
Trinidad and Tobago.....	2,631	3,427	2,021	Egypt.....	142,786	135,666	146,959
Other countries.....	6,087	8,776	2,510	South Africa.....	12,223	225	15,943
<b>Total</b> .....	<b>241,851</b>	<b>292,403</b>	<b>262,963</b>	Ivory Coast.....	0	0	0
				Other countries.....	13,188	18,189	33,004
<b>South America:</b>				<b>Total</b> .....	<b>223,530</b>	<b>211,586</b>	<b>292,094</b>
Argentina.....	780	711	853	<b>Asia:</b>			
Brazil.....	62,601	805	12,154	Bangladesh.....	0	0	0
Chile.....	2,118	1,958	1,688	Iran.....	0	0	0
Colombia.....	52,426	61,646	80,928	China.....	9,528	1,367	506
Ecuador.....	6,149	10,075	10,604	Taiwan.....	21,311	10,412	16,231
Peru.....	4,557	1,149	448	India.....	375	3,683	242
Venezuela.....	36,421	41,961	55,425	Japan.....	38,295	32,525	40,201
Other countries.....	550	1,382	634	Korea, Rep. of.....	71,429	86,292	87,753
<b>Total</b> .....	<b>165,603</b>	<b>119,687</b>	<b>162,734</b>	Lebanon.....	3,876	3,367	1,775
				Pakistan.....	69,335	59,975	54,191
<b>Europe:</b>				Philippines.....	4,568	3,675	6,140
Belgium and Luxembourg.....	11,108	4,452	13,133	Singapore.....	45	97	246
France.....	1,034	7	3,438	Turkey (Europe and Asia).....	30,086	48,011	31,670
Germany, Fed. Rep. of.....	9,859	12,635	10,740	Thailand.....	31	43	31
Italy.....	9,835	2,526	7,853	Other countries.....	2,128	27,098	43,331
Netherlands.....	73,234	65,520	84,218	<b>Total</b> .....	<b>251,007</b>	<b>276,546</b>	<b>282,318</b>
United Kingdom.....	8,693	1,607	2,167	<b>Oceania</b> .....	<b>46</b>	<b>351</b>	<b>1,164</b>
Greece.....	122	45	78	<b>Grand total <sup>3</sup></b> .....	<b>1,171,183</b>	<b>1,125,870</b>	<b>1,276,023</b>
Norway.....	532	13	0				
Portugal.....	9,247	6,907	7,387				
Spain.....	113,362	76,640	78,104				
Switzerland.....	7	1	0				
Poland.....	30	0	0				
Other countries.....	52,084	54,943	67,634				
<b>Total</b> .....	<b>239,165</b>	<b>170,417</b>	<b>209,750</b>				

<sup>1</sup> Includes inedible tallow and choice white grease; yellow grease; inedible oleo, and oleo stearin; and animal fats, oils, and greases, n.e.c.

<sup>2</sup> Preliminary.

<sup>3</sup> May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the Bureau of the Census, U.S. Department of Commerce.

**Table 194.—Fats and Oils: Use in products for civilian consumption, total and per capita, United States, 1974-88**

Calendar year	Food products <sup>1</sup>													
	Butter (actual weight)		Lard (direct use) <sup>2</sup>		Margarine (actual weight)		Baking and frying fats (shortening)		Salad and cooking oils		Other edible use		All food products (fat content)	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1974	956	4.5	681	3.2	2,380	11.2	3,623	17.0	3,861	18.1	372	1.7	11,206	52.5
1975	1,012	4.7	615	2.9	2,398	11.1	3,679	17.1	3,840	17.8	428	2.0	11,290	52.4
1976	934	4.3	568	2.6	2,615	12.0	3,875	17.8	4,243	19.5	445	2.0	11,970	55.0
1977	941	4.3	495	2.3	2,515	11.4	3,810	17.3	4,207	19.1	422	1.9	11,698	53.2
1978	966	4.3	478	2.2	2,513	11.3	3,987	18.0	4,464	20.1	453	2.0	12,165	54.8
1979	1,005	4.5	656	2.9	2,535	11.3	4,156	18.5	4,690	20.9	377	1.7	12,711	56.6
1980	1,012	4.5	830	3.7	2,592	11.4	4,150	18.3	4,837	21.3	343	1.5	13,043	57.4
1981	970	4.2	798	3.5	2,573	11.2	4,262	18.6	5,008	21.8	320	1.4	13,222	57.6
1982	1,011	4.3	889	3.8	2,582	11.1	4,332	18.7	5,080	21.9	374	1.6	13,533	58.3
1983	1,150	4.9	967	4.1	2,446	10.4	4,345	18.5	5,624	24.0	365	1.6	14,165	60.5
1984	1,162	4.9	886	3.7	2,472	10.5	5,040	21.3	4,693	19.8	404	1.7	13,917	58.9
1985	1,164	4.9	883	3.7	2,588	10.8	5,477	22.9	5,614	23.5	375	1.6	15,345	64.3
1986	1,114	4.6	846	3.5	2,761	11.5	5,337	22.1	5,831	24.2	404	1.7	15,512	64.3
1987	1,128	4.6	679	2.8	2,564	10.5	5,204	21.3	6,016	24.7	316	1.3	15,175	62.3
1988 <sup>3</sup>	1,098	4.5	626	2.5	2,542	10.3	5,282	21.4	6,161	25.0	318	1.3	15,300	62.1

  

Calendar year	Industrial products											
	Soap		Fatty acids		Animal feeds		Other industrial products		All industrial products <sup>4</sup>		All products <sup>5</sup>	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1974	793	3.7	2,109	9.9	1,149	5.4	757	3.5	5,452	25.6	16,658	78.1
1975	822	3.8	1,662	7.7	1,283	6.0	591	2.7	4,914	22.8	16,204	75.2
1976	957	4.4	1,907	8.8	1,464	6.7	640	2.9	5,700	26.2	17,670	81.2
1977	936	4.3	1,907	8.7	1,492	6.8	695	3.2	5,708	26.0	17,406	79.2
1978	862	3.9	2,109	9.5	1,518	6.8	728	3.3	5,903	26.6	18,068	81.4
1979	862	3.8	2,320	10.3	1,316	5.9	723	3.2	5,758	25.6	18,469	82.2
1980	848	3.7	2,154	9.5	1,337	5.9	678	3.0	5,505	24.2	18,548	81.6
1981	798	3.5	2,173	9.5	1,391	6.1	720	3.1	5,468	23.8	18,690	81.4
1982	748	3.2	1,936	8.3	1,474	6.4	610	2.6	5,129	22.1	18,662	80.4
1983	811	3.5	1,862	7.9	1,478	6.3	611	2.6	5,181	22.1	19,346	82.6
1984	1,015	4.3	2,028	8.6	1,443	6.1	635	2.7	5,570	23.6	19,487	82.4
1985	754	3.2	1,911	8.0	1,495	6.3	453	1.9	5,100	21.4	20,445	85.6
1986	764	3.2	2,007	8.3	1,750	7.3	342	1.4	5,392	22.4	20,904	86.7
1987	918	3.8	2,195	9.0	1,874	7.7	597	2.5	6,154	25.3	21,329	87.6
1988 <sup>3</sup>	807	3.3	2,181	8.9	2,002	8.1	501	2.0	5,979	24.3	21,279	86.4

<sup>1</sup> Domestic disappearance data are computed by ERS.

<sup>2</sup> Includes edible tallow direct use beginning in 1979.

<sup>3</sup> Preliminary.

<sup>4</sup> Including paint, varnish, resin, plastic, and lubricants.

<sup>5</sup> Including only fat content of butter and margarine.

Economic Research Service.

**Table 195.—Fats and oils: Index numbers of wholesale prices, leading markets, United States, 1982-88**

[1982=100]

Year	Seventeen major fats and oils												
	All fats and oils excluding butter	All fats and oils	Classified by origin			Classified by use							
			Animal	Vegetable		Edible				Industrial			
				Domestic origin	Foreign origin	Butter	Lard	Other	All edible	Soap fats	Drying oils	Other uses	All industrial
1982.....	100.0	100.0	100.0	100.0	( <sup>1</sup> )	100.0	100.0	( <sup>1</sup> )	100.0	100.0	100.0	( <sup>1</sup> )	100.0
1983.....	104.2	104.5	102.7	114.9	( <sup>1</sup> )	100.2	103.3	( <sup>1</sup> )	105.3	102.4	103.5	( <sup>1</sup> )	101.8
1984.....	115.8	106.5	109.8	147.1	( <sup>1</sup> )	99.2	124.9	( <sup>1</sup> )	109.8	130.0	120.6	( <sup>1</sup> )	128.8
1985.....	84.2	73.1	85.2	131.3	( <sup>1</sup> )	104.5	106.7	( <sup>1</sup> )	78.8	104.4	111.9	( <sup>1</sup> )	104.7
1986.....	70.7	61.7	70.9	86.2	( <sup>1</sup> )	98.3	90.2	( <sup>1</sup> )	66.5	86.4	94.2	( <sup>1</sup> )	86.6
1987.....	69.1	60.2	69.2	87.8	( <sup>1</sup> )	95.3	88.9	( <sup>1</sup> )	64.9	94.2	79.1	( <sup>1</sup> )	90.2
1988.....	79.9	64.5	67.6	125.7	( <sup>1</sup> )	90.7	95.3	( <sup>1</sup> )	68.8	112.4	102.3	( <sup>1</sup> )	108.5

<sup>1</sup> Series discontinued.

Economic Research Service.

**Table 196.—Fats and oils: Wholesale price per pound, 1984-88**

Item and market	1984	1985	1986	1987	1988 <sup>1</sup>
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Castor oil, No. 1, Brazilian, tanks, imported, New York.....	72.7	46.7	33.1	39.2	48.9
Coconut oil, crude, tanks, f.o.b. New York.....	60.2	33.1	16.2	23.3	27.7
Corn oil, crude, tank cars, f.o.b. Decatur.....	29.8	26.3	18.5	21.5	23.6
Cottonseed oil, crude, tank cars, f.o.b. Valley <sup>2</sup> .....	32.8	29.2	17.6	17.7	21.8
Linseed oil, raw, tank cars, Minneapolis.....	32.1	32.5	28.4	24.8	32.6
Margarine, yellow quarters, f.o.b. Chicago.....	45.6	47.3	35.4	36.9	48.3
Palm oil, U.S. ports, refined.....	33.3	27.2	14.4	17.3	21.4
Rapeseed oil, refined (denatured), tanks, New York.....	55.3	61.0	60.2	64.2	64.4
Safflower oil, tanks, New York.....	70.1	51.7	49.3	52.1	52.5
Soybean oil, crude, tank cars, f.o.b. Decatur <sup>2</sup> .....	30.6	29.5	18.0	15.4	22.7
Sunflower oil, crude, Minneapolis <sup>2</sup> .....	33.6	30.0	19.1	16.0	23.6
Tallow, inedible, number delivered Chicago.....	14.5	14.3	9.0	14.9	16.6
Tung oil, imported, drums, f.o.b. New York.....	119.0	63.7	39.4	53.4	51.7

<sup>1</sup> Preliminary.

<sup>2</sup> Soybean, cottonseed, and sunflower seed oil prices on October 1985-September 1986 crop year.

Economic Research Service. Compiled from the Chemical Marketing Reporter, the National Provisioner, the Wall Street Journal, and the U.S. Department of Labor.

# CHAPTER IV

## STATISTICS OF VEGETABLES AND MELONS

This chapter contains statistics on potatoes, sweet potatoes, and commercial vegetables and melons.

For potatoes and sweet potatoes, the estimates of area, production, value, and farm disposition pertain to the total crop and include quantities produced both for sale and for use on farms where grown. Potato statistics are shown on a within-year seasonal grouping of winter, spring, summer, and fall crops, by States. Some States have production in more than one seasonal group.

For processing vegetables, the estimates of area, production, and value for each of 5 crops relate to production used by commercial canners, freezers, and other processors, except dehydrators. These estimates include raw products grown by processors themselves and those grown under contract or purchased on the open market. This production and the actual area harvested are not duplicated in the fresh market estimates for the same commodities. The production of those vegetables used for processing for which regular processing estimates are not made is included in the fresh market estimates. However, with the vegetable program modifications implemented in 1973, the processed segment of production for asparagus, broccoli, carrots, and cauliflower, which was combined with fresh market production during the year, is published at the end of the season. Annual production, price, and value estimates for the portion processed are published beginning with 1973. In 1982, processing estimates for asparagus, beets, cabbage for kraut, cucumbers for pickles, lima beans and spinach were discontinued. Asparagus and cucumbers for pickles were reinstated in 1984.

### Seasonal Groups and Marketing Period

#### Prospective Area For Harvest

Winter: January, February, March

Summer: July, August, September

Spring: April, May, June

Fall: October, November, December

#### Annual Acreage, Yield, Production, and Value

The seasonal patterns of harvest do not correspond precisely in all States to the estimating period or periods designated. In some cases, only one seasonal group is shown for a State, but marketing may be active in earlier or later months. Because of the small volume from this earlier or later area, the crop estimate has been placed in the seasonal group where the largest portion is harvested.

Commercial vegetables for fresh market include 10 principal vegetables and melon crops in the major producing States. Earlier years include the following additional crops: artichokes, lima beans, snap beans, Brussels sprouts, cabbage, cantaloups, cucumbers, eggplant, escarole/endive, garlic, green peas, green peppers, spinach, and watermelon. These estimates relate to crops which are grown primarily for sale, and they do not include vegetables and melons produced in farm and nonfarm gardens. The bulk of the production of the principal vegetable and melon crops is for consumption in the fresh state. However, quantities used by processors of celery and onions are included, and separate estimates of commercial processing are not made for these crops. The commercial estimates of the principal crops include local market production from areas near consuming centers as well as production from well recognized commercial areas which specialize in producing supplies for shipment to distant markets.

For fresh market vegetables and melons, value per unit and total value are on a f.o.b. basis. For processed vegetables, value per unit and total value are at processing plant door.

Table 197.—Vegetables, commercial: Area, production, and value of principal crops, United States, 1974–88

Year	Area <sup>1</sup>			Production <sup>4</sup>			Value <sup>5</sup>		
	For fresh market <sup>2</sup>	For processing <sup>3</sup>	Total	For fresh market <sup>2</sup>	For processing <sup>3</sup>	Total	For fresh market <sup>2</sup>	For processing <sup>3</sup>	Total
	Acres	Acres	Acres	Tons	Tons	Tons	1,000 dollars	1,000 dollars	1,000 dollars
1974 .....	1,557,570	1,775,810	3,333,380	12,016,750	11,794,050	23,810,800	1,885,149	929,785	2,814,934
1975 .....	1,542,110	1,874,480	3,416,590	11,993,700	13,533,250	25,526,950	2,159,168	1,036,635	3,195,803
1976 .....	1,577,350	1,624,640	3,201,990	12,509,950	11,048,850	23,558,800	2,260,078	786,606	3,046,684
1977 .....	1,578,830	1,638,120	3,216,950	12,741,050	12,612,450	25,353,500	2,351,737	945,180	3,296,917
1978 .....	1,643,650	1,611,960	3,255,610	13,140,000	11,323,490	24,463,490	2,786,530	874,768	3,661,298
1979 .....	1,645,520	1,652,480	3,298,000	13,480,750	12,576,010	26,056,760	2,931,404	1,080,239	4,011,643
1980 .....	1,617,770	1,427,130	3,044,900	13,339,650	10,806,620	24,146,270	3,193,362	864,449	4,057,811
1981 .....	1,617,950	1,353,540	2,971,490	13,858,450	10,416,530	24,274,980	3,700,690	904,896	4,605,586
1982 <sup>6</sup> .....	939,350	1,250,440	2,189,790	10,360,200	11,179,590	21,539,790	2,643,408	909,738	3,553,146
1983 <sup>7</sup> .....	937,850	1,197,350	2,135,200	9,895,950	10,270,050	20,166,000	2,854,598	800,600	3,655,198
1984 <sup>8</sup> .....	1,076,330	1,369,760	2,446,090	10,856,600	12,013,020	22,869,620	3,117,073	1,015,042	4,132,115
1985 .....	1,075,440	1,391,780	2,467,220	10,896,600	11,791,860	22,688,460	2,944,906	1,023,933	3,968,839
1986 .....	1,074,330	1,238,930	2,313,260	11,450,000	11,616,560	23,066,560	3,370,321	927,802	4,298,123
1987 .....	1,121,540	1,309,160	2,430,700	12,181,750	12,222,620	24,404,370	3,728,741	940,450	4,669,191
1988 <sup>9</sup> .....	1,123,750	1,340,140	2,463,890	12,486,500	11,370,470	23,856,970	3,941,197	897,938	4,839,135

<sup>1</sup> Area for fresh market is area for harvest, including any partially harvested or not harvested because of low prices or other economic factors. Area for processing is area harvested.

<sup>2</sup> Area, production, and farm value of the following 22 crops for which regular seasonal estimates are prepared in major producing States: Artichokes, asparagus, snap beans, broccoli, Brussels sprouts, cabbage, cantaloups, carrots, cauliflower, celery, sweet corn, cucumbers, eggplant, escarole/endive, garlic, honeydew melons, lettuce, onions, green peppers, spinach, tomatoes, and watermelons.

<sup>3</sup> Area, production, and farm value of the following 9 crops in all States: Lima beans, snap beans, beets, cabbage (sauerkraut), sweet corn, cucumbers (pickles), green peas, spinach, and tomatoes. Production of other vegetables processed included in fresh market series of estimates.

<sup>4</sup> Production for fresh market excludes some quantities not marketed because of low prices or other economic factors.

<sup>5</sup> Value for all fresh market vegetables, except garlic, on f.o.b. basis. For processing vegetables, value at processing plant door.

<sup>6</sup> Beginning with crop year 1982, acreage, yield, production, price and value estimates have been discontinued for the following crops—fresh market vegetables: Artichokes, asparagus, snap beans, Brussels sprouts, cabbage, cantaloups, cucumbers, eggplant, escarole/endive, garlic, green peppers, spinach, and watermelons; processing vegetables: Lima beans, beets, cabbage (sauerkraut), cucumbers (pickles), spinach, and asparagus. Estimates for these crops are not in *Agricultural Statistics*.

<sup>7</sup> Due to program modification, 1983 data are not comparable with 1982 and earlier or 1984 and later for fresh market vegetables.

<sup>8</sup> Estimates for asparagus and cucumbers for pickles reinstated with the 1984 crop.

<sup>9</sup> Preliminary.

National Agricultural Statistics Service.

Table 198.—Vegetables, commercial: Area of principal crops, by States, 1986-88<sup>1</sup>

State	For fresh market <sup>2</sup>			For processing <sup>4</sup>			Total		
	1986	1987	1988 <sup>3</sup>	1986	1987	1988 <sup>3</sup>	1986	1987	1988 <sup>3</sup>
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	7,800	9,000	6,600	2,470	3,230	1,800	10,270	12,230	7,900
AZ.....	53,800	58,200	64,900				53,800	58,200	64,900
AR.....	1,600	1,000	1,100	2,850	3,920	5,400	4,450	4,920	6,500
CA.....	501,400	530,100	534,400	222,400	227,000	298,800	723,800	757,100	773,200
CO.....	17,900	20,300	20,800	2,150	1,890	2,180	20,050	22,190	22,980
CT.....	4,600	4,400	4,000				4,600	4,400	4,000
DE.....				19,780	20,900	17,500	19,780	20,900	17,500
FL.....	134,600	141,300	142,800	5,870	5,150	8,050	140,470	146,450	150,850
GA.....	2,700	2,900	2,900	2,450	2,800	2,400	5,150	5,700	5,300
HI.....	860	770	610				860	770	610
ID.....	7,000	7,700	7,600	26,630	27,230	29,040	33,630	34,930	36,640
IL.....	5,000	5,000	5,620	44,200	45,680	56,300	49,300	50,680	61,920
IN.....	2,500	2,200	1,500	10,400	15,800	16,300	12,900	18,000	17,800
IA.....				4,100	4,290	5,840	4,100	4,290	5,840
LA.....	380	370	380				380	370	380
ME.....									
MD.....	2,580	2,740	2,690	16,300	14,200	17,000	18,880	16,940	19,690
MA.....	8,990	7,680	7,770	480	400	350	9,470	8,080	8,120
MI.....	49,100	56,200	53,600	50,300	51,000	51,700	99,400	107,200	105,300
MN.....	3,850	4,350	3,900	202,000	194,430	204,490	205,850	198,780	208,390
MO.....									
NJ.....	23,800	22,720	21,000	10,650	12,680	10,180	34,450	35,400	31,180
NM.....	7,600	8,300	9,200				7,600	8,300	9,200
NY.....	47,770	49,090	46,230	62,530	68,100	65,580	110,300	117,190	111,810
NC.....	6,100	6,000	5,700	25,740	25,290	26,300	31,840	31,290	32,000
OH.....	20,860	22,320	16,100	19,560	20,770	21,840	40,420	43,090	37,940
OK.....									
OR.....	23,000	23,900	24,050	88,300	94,400	87,000	111,300	118,300	111,050
PA.....	26,800	18,800	18,100	12,800	14,200	13,500	33,600	33,000	31,600
SC.....	4,000	3,600	3,700	13,630	13,590	11,540	17,630	17,190	15,240
TN.....	5,000	4,600	4,600	5,300	5,400	6,060	10,300	10,000	10,660
TX.....	52,800	48,000	53,100	10,600	14,300	18,300	63,400	62,300	71,400
UT.....	1,400	1,700	1,800	1,230	2,330	2,300	2,630	4,030	4,100
VA.....	5,300	5,200	5,100	910	3,320	1,900	6,210	8,520	7,000
WA.....	45,900	48,400	49,400	85,800	88,900	99,600	131,700	137,300	149,000
WV.....									
WI.....	5,240	4,700	4,500	278,100	316,900	307,900	283,340	321,600	312,400
Other States <sup>5</sup> .....				11,400	11,060	11,490	11,400	11,060	11,490
US.....	1,074,330	1,121,540	1,123,750	1,238,980	1,309,160	1,340,140	2,313,260	2,430,700	2,463,890

<sup>1</sup> Area for fresh market is area for harvest. Area for processing is area harvested.

<sup>2</sup> Area of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates.

<sup>5</sup> 1986—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, and South Dakota.

1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma. 1988—Arizona, Kentucky, Louisiana, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.



Table 199.—Vegetables, commercial: Production of principal crops, by States, 1986–88

State	For fresh market <sup>1</sup>			For processing <sup>3</sup>			Total		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
AL.....	28,000	38,150	26,600	3,960	5,240	2,080	32,960	43,390	28,680
AZ.....	648,800	769,100	784,250				648,800	769,100	784,250
AR.....	20,000	14,500	15,950	4,310	8,560	11,160	24,310	23,060	27,110
CA.....	6,180,450	6,623,000	6,763,350	6,564,120	6,784,170	6,639,780	12,744,570	13,407,170	13,403,130
CO.....	308,600	320,250	359,350	25,390	20,100	28,620	333,990	340,350	387,970
CT.....	17,950	15,600	13,200				17,950	15,600	13,200
DE.....				58,930	58,790	53,070	58,930	58,790	53,070
FL.....	1,348,350	1,400,450	1,563,100	39,140	35,780	51,100	1,387,490	1,436,230	1,614,200
GA.....	13,500	15,950	26,100	6,900	7,570	8,700	20,400	23,520	34,800
HI.....	7,700	7,000	5,750				7,700	7,000	5,750
ID.....	185,500	231,000	201,400	174,140	185,540	183,370	359,640	416,540	384,770
IL.....	16,650	17,700	17,400	218,590	228,020	192,860	235,240	245,720	210,260
IN.....	8,750	10,100	8,450	159,440	198,420	189,420	168,190	208,520	197,870
IA.....				37,590	45,400	39,960	37,590	45,400	39,960
LA.....	1,900	2,200	2,300				1,900	2,200	2,300
ME.....									
MD.....	24,150	24,150	17,050	94,070	80,680	81,430	118,220	104,830	98,480
MA.....	45,850	38,200	38,000	8,500	6,250	6,370	54,350	44,450	44,370
MI.....	256,500	323,300	304,000	326,320	334,890	287,070	582,820	658,190	591,070
MN.....	35,200	37,650	19,700	851,570	857,580	616,090	886,770	895,230	635,790
MO.....									
NJ.....	124,150	115,150	87,700	76,290	80,940	57,560	200,440	196,090	145,260
NM.....	126,750	144,450	169,800				126,750	144,450	169,800
NY.....	361,300	358,600	316,000	233,060	312,180	201,650	594,360	670,780	517,650
NC.....	24,950	26,650	22,700	82,000	85,210	101,290	106,950	111,860	123,990
OH.....	144,300	127,900	79,250	442,680	415,310	396,080	586,980	543,210	475,330
OK.....									
OR.....	376,050	427,150	411,600	517,960	528,390	529,850	894,010	955,540	941,450
PA.....	70,300	71,050	70,600	73,650	57,400	53,000	143,950	128,450	123,600
SC.....	60,000	44,100	74,000	47,600	40,650	41,040	107,600	84,750	115,040
TN.....	52,500	41,400	41,400	7,580	10,800	9,000	60,080	52,200	50,400
TX.....	494,000	384,650	473,550	59,940	68,160	84,360	553,940	452,510	557,910
UT.....	23,450	41,250	34,200	3,330	9,210	7,890	26,780	50,460	42,090
VA.....	37,300	40,300	71,400	5,320	9,150	14,600	42,620	49,450	86,000
WA.....	303,200	366,500	386,000	397,060	509,710	538,600	700,260	876,210	924,600
WV.....									
WI.....	102,900	104,300	82,350	1,071,760	1,209,860	919,690	1,174,660	1,314,160	1,002,040
Other States <sup>4</sup> .....				25,360	28,660	24,780	24,360	28,660	24,780
US.....	11,450,000	12,181,750	12,486,500	11,616,560	12,222,620	11,370,470	23,066,560	24,404,370	23,856,970

<sup>1</sup> Production of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates.

<sup>4</sup> 1986—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, and South Dakota. 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma. 1988—Arizona, Kentucky, Louisiana, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.

Table 200.—Vegetables, commercial: Value of principal crops, by States, 1986–88

State	For fresh market <sup>1</sup>			For processing <sup>2</sup>			Total		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	7,970	11,125	9,233	815	1,103	408	8,785	12,228	9,641
AZ.....	166,842	207,985	364,087				166,842	207,985	364,087
CA.....	8,960	9,193	13,877	784	1,396	1,964	9,744	10,589	15,841
CO.....	1,731,109	1,963,305	1,983,466	420,408	400,084	404,904	2,151,517	2,363,389	2,388,370
CT.....	65,452	66,431	71,693	2,755	2,753	2,899	68,207	69,184	74,592
DE.....	6,283	4,711	5,095				6,283	4,711	5,095
FL.....	604,042	653,485	657,907	7,691	7,008	6,155	7,691	7,008	6,155
GA.....	5,319	8,039	11,641	7,923	8,404	12,219	611,965	661,889	670,126
HI.....	5,113	4,900	5,033	1,253	1,374	1,631	6,572	9,413	13,272
ID.....	37,934	37,638	36,645	12,933	12,866	12,459	50,867	50,504	49,104
IL.....	3,943	4,366	6,235	16,861	18,987	19,449	20,804	23,353	25,684
IN.....	4,391	5,175	5,226	13,655	17,611	18,180	18,046	22,786	23,406
IA.....				2,598	2,913	2,632	2,598	2,913	2,632
LA.....	1,368	1,967	2,024				1,368	1,967	2,024
ME.....									
MD.....	7,920	11,059	11,454	9,264	8,725	9,416	17,184	19,784	20,870
MA.....	20,810	18,221	17,369	1,054	750	790	21,864	18,971	18,159
MI.....	72,169	79,178	90,147	37,722	38,359	35,266	109,891	117,537	125,413
MN.....	6,842	6,452	4,841	64,718	66,750	46,918	71,560	73,202	51,759
MO.....									
NJ.....	38,734	35,353	31,819	8,491	8,929	6,795	47,225	44,282	38,614
NM.....	27,399	39,518	23,483				27,399	39,518	23,483
NY.....	105,508	110,817	104,368	24,450	29,291	20,588	129,958	140,108	124,956
NC.....	6,904	6,901	7,334	15,953	16,703	20,985	22,857	23,604	23,319
OH.....	42,218	31,598	19,950	39,665	34,779	32,970	81,883	66,377	52,920
OK.....									
OR.....	85,713	84,691	86,998	55,904	55,397	57,970	141,617	140,088	144,968
PA.....	22,589	21,541	26,397	6,411	6,261	6,060	29,000	27,802	32,457
SC.....	19,800	17,816	26,396	8,822	7,668	8,760	28,622	25,484	35,696
TN.....	21,000	19,044	23,184	1,508	2,106	1,815	22,508	21,150	24,999
TX.....	121,513	143,462	128,038	10,526	13,606	17,784	132,039	157,068	145,822
UT.....	4,325	5,872	4,816	496	1,285	1,081	4,821	7,157	5,897
VA.....	18,934	17,235	43,504	514	1,173	1,771	19,448	18,408	45,275
WA.....	84,089	88,069	102,060	44,138	52,745	52,651	128,227	140,814	154,711
WV.....									
WI.....	15,128	13,594	11,337	105,624	116,578	88,814	120,752	130,172	100,151
Other States <sup>4</sup>				4,866	4,846	4,604	4,866	4,846	4,604
US.....	3,370,321	3,728,741	3,941,197	927,802	940,450	897,938	4,298,123	4,669,191	4,839,135

<sup>1</sup> Value of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates.

<sup>4</sup> 1986—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, and South Dakota. 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma. 1988—Arizona, Kentucky, Louisiana, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.

**Table 201.—Asparagus, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1974-88**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production	Value <sup>1</sup>		Production	Value <sup>1</sup>		Production	Value <sup>2</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	112,490	23	2,604	28.50	74,277	824	33.40	27,489	89,000	526.00	46,788
1975.....	102,570	21	2,141	28.70	61,486	874	34.00	29,695	63,350	501.00	31,741
1976.....	92,580	25	2,502	31.30	72,122	919	38.10	35,025	69,150	536.00	37,097
1977.....	87,520	25	2,200	36.90	81,218	733	47.00	34,427	73,350	638.00	46,791
1978.....	83,530	22	1,861	43.70	81,256	701	52.20	36,559	58,000	771.00	44,697
1979.....	80,660	24	1,911	51.50	98,366	640	64.40	41,214	63,500	900.00	57,152
1980.....	82,950	20	1,671	49.10	82,118	784	58.10	45,535	44,410	824.00	36,588
1981.....	81,990	21	1,712	58.50	100,157	819	70.50	57,749	44,640	950.00	42,408
1982 <sup>3</sup>											
1983 <sup>3</sup>											
1984 <sup>4</sup>	89,930	21	1,896	61.40	116,463	1,043	73.70	76,900	42,690	927.00	39,563
1985.....	91,450	23	2,136	64.40	137,476	1,152	79.30	91,343	49,210	938.00	46,133
1986.....	96,180	23	2,230	61.40	136,969	1,387	70.60	97,941	42,080	928.00	39,028
1987.....	99,840	24	2,347	57.80	135,704	1,388	65.60	91,102	47,880	932.00	44,602
1988 <sup>5</sup>	100,910	24	2,422	62.80	152,108	1,481	70.50	104,387	47,030	1,015.00	47,721

<sup>1</sup> Price and value on F.O.B. Basis. <sup>2</sup> Price and value at processing plant door. <sup>3</sup> Data not available. <sup>4</sup> Estimates reinstated with 1984 crop. <sup>5</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 202.—Asparagus, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1986-88**

State	Area <sup>1</sup>			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
CA.....	37,800	39,700	40,100	1,096	1,191	1,163	68.90	62.80	71.70
IL.....	1,300	700	820	10	10	12	68.10	72.00	68.80
MI.....	20,500	22,000	22,500	246	242	248	58.20	58.60	59.00
NJ.....	1,900	1,800	1,700	36	32	34	64.60	65.30	66.50
WA.....	30,000	31,000	32,000	780	806	896	52.10	49.90	52.70
Other States <sup>3</sup>	4,680	4,640	3,790	62	66	69	56.90	56.40	54.40
US.....	96,180	99,840	100,910	2,230	2,347	2,422	61.40	57.80	62.80

  

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA.....	990	1,055		72.10	66.10		5,300	6,780		780.00	739.00	
MI.....	48	40	42	67.60	66.40	63.90	9,880	10,100	10,300	1,120.00	1,140.00	1,140.00
NJ.....	36	32	34	64.60	65.30	66.50				861.00	888.00	979.00
WA.....	290	237	252	67.30	63.30	62.20	24,500	28,440	32,200			
Other States <sup>4</sup>	23	24	1,153	64.10	67.40	72.50	2,400	2,560	4,530	1,139.00	1,103.00	983.00
US.....	1,387	1,388	1,481	70.60	65.60	70.50	42,080	47,880	47,030	928.00	932.00	1,015.00

<sup>1</sup> Asparagus for fresh market and for processing is frequently harvested from the same area; therefore it is not practical to make individual area estimates for these segments. <sup>2</sup> Preliminary. <sup>3</sup> Indiana, Maryland, Minnesota and Oregon. <sup>4</sup> Illinois, Indiana, Maryland, Minnesota, and Oregon.

National Agricultural Statistics Service.

**Table 203.—Beans, snap (for processing), commercial crop: Area, yield, production, value per ton, and total value, United States, 1974-88**

Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>		Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>	
				Per ton	Total					Per ton	Total
	Acres	Tons	Tons	Dollars	1,000 dollars		Acres	Tons	Tons	Dollars	1,000 dollars
1974	291,080	2.57	748,350	157.00	117,654	1982	204,410	3.15	643,860	166.00	106,610
1975	273,580	2.43	665,200	153.00	102,096	1983	196,730	2.99	587,410	160.00	94,252
1976	237,170	2.49	590,700	139.00	81,895	1984	216,640	3.07	666,110	171.00	113,935
1977	257,640	2.62	675,450	145.00	98,170	1985	222,160	3.16	702,490	169.00	118,799
1978	280,350	2.56	716,600	146.00	104,630	1986	190,560	3.20	609,400	160.00	97,262
1979	285,420	2.69	769,130	153.00	117,869	1987	221,210	3.07	679,010	160.00	108,436
1980	255,690	2.75	704,230	156.00	110,034	1988 <sup>2</sup>	217,650	2.70	588,280	168.00	98,628
1981	218,300	3.08	672,170	166.00	111,394						

<sup>1</sup> Price and value at processing plant door.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 204.—Beans, snap (for processing), commercial crop: Area, production, and value per ton, by States, 1986-88**

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Acres	Acres	Acres	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
AR	2,600	3,000	3,600	3,900	6,630	6,410	184.00	164.00	186.00
IL			9,500			30,880			181.00
IN	1,600	5,800	6,200	4,290	15,890	17,670	169.00	190.00	203.00
MI	17,600	19,500	21,000	42,240	42,900	37,800	143.00	149.00	175.00
MN		5,200	5,400		17,420	13,990		146.00	138.00
NY	25,800	28,600	28,000	60,370	70,640	52,920	170.00	165.00	161.00
OR	22,300	20,800	21,700	138,710	117,940	125,210	174.00	178.00	174.00
PA	4,500	6,600	6,400	8,960	13,200	11,970	186.00	195.00	213.00
TN	5,300	5,400	6,000	7,580	10,800	8,400	199.00	195.00	210.00
WA	1,200	1,100	800	4,900	4,960	3,660	202.00	198.00	193.00
WI	77,800	88,700	82,800	247,400	279,410	209,480	143.00	143.00	151.00
Other States <sup>2</sup>	31,860	37,010	26,250	91,050	99,220	70,490	174.00	173.00	182.00
Total	190,560	221,210	217,650	609,400	679,010	588,280	160.00	160.00	168.00

<sup>1</sup> Preliminary.<sup>2</sup> 1986—Alabama, California, Delaware, Florida, Georgia, Idaho, Illinois, Maryland, Minnesota, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, and Utah. 1987—Alabama, California, Delaware, Florida, Georgia, Idaho, Illinois, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia. 1988—Alabama, California, Delaware, Florida, Georgia, Idaho, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia.

National Agricultural Statistics Service.

**Table 205.—Broccoli, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1974-88<sup>1</sup>**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production <sup>2</sup>	Value <sup>3</sup>		Production	Value <sup>3</sup>		Production	Value <sup>4</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	1,000 cwt.	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1974.....	49,400	80	3,933	14.20	55,912	1,590	17.10	27,264	117,150	245.00	28,648
1975.....	49,650	79	3,940	15.10	59,444	2,035	17.40	35,376	95,250	253.00	24,068
1976.....	52,800	81	4,289	15.90	68,204	2,234	19.00	42,495	102,750	250.00	25,709
1977.....	70,890	80	5,694	16.30	92,748	2,572	19.70	50,562	156,100	270.00	42,186
1978.....	68,300	79	5,399	18.10	97,619	2,647	21.70	57,330	137,600	293.00	40,289
1979.....	70,900	89	6,301	19.20	120,913	3,255	22.20	72,286	152,300	319.00	48,627
1980.....	77,850	87	6,753	21.40	144,613	3,795	23.50	89,327	147,900	374.00	55,286
1981.....	78,520	96	7,522	23.30	175,132	4,517	26.30	118,645	150,240	376.00	56,487
1982.....	92,000	96	8,819	23.90	211,086	5,414	26.70	144,637	170,220	390.00	66,449
1983 <sup>5</sup> .....	91,500	91	8,326	25.20	210,105	5,582	28.20	157,281	137,220	385.00	52,824
1984.....	106,500	97	10,282	23.10	237,884	6,740	25.10	168,968	177,090	389.00	68,916
1985.....	109,500	97	10,627	22.50	239,345	7,154	24.20	173,053	173,660	382.00	66,292
1986.....	119,100	97	11,529	20.80	239,739	8,442	21.90	184,665	154,350	357.00	55,074
1987.....	120,200	95	11,432	20.90	238,846	8,611	21.90	188,619	141,040	356.00	50,227
1988 <sup>6</sup> .....	114,400	112	12,793	22.80	292,264	10,023	24.00	240,455	138,480	374.00	51,809

<sup>1</sup> Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli.

<sup>2</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 22 in 1973.

<sup>3</sup> Price and value on f.o.b. basis.

<sup>4</sup> Price and value at processing plant door.

<sup>5</sup> Due to program modifications, 1983 data are not comparable with 1982 and earlier or 1984 and later data.

<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

**Table 206.—Broccoli, commercial crop: Area, production, and value per hundredweight, and per ton, by States, 1986-88<sup>1</sup>**

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AZ.....	2,900	4,200	4,300	238	382	391	23.00	21.80	24.80
CA.....	106,400	107,600	101,100	10,427	10,330	11,627	20.50	20.60	22.90
OR.....	3,000	3,000	2,800	300	315	260	19.00	19.50	23.20
TX.....	6,800	5,400	6,200	564	405	515	25.80	29.20	20.60
US.....	119,100	120,200	114,400	11,529	11,432	12,793	20.80	20.90	22.80

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
AZ.....	238	382	391	23.00	21.80	24.80						
CA.....	7,667	7,830	9,167	21.40	21.40	23.90	138,000	125,000	123,000	362.00	360.00	381.00
Other States <sup>3</sup> .....	537	399	465	28.20	31.90	25.10	16,350	16,040	15,480	313.00	326.00	320.00
US.....	8,442	8,611	10,023	21.90	21.90	24.00	154,350	141,040	138,480	357.00	356.00	374.00

<sup>1</sup> Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes Oregon and Texas in "For fresh market;" includes Oregon and Texas in "For processing."

National Agricultural Statistics Service.

**Table 207.—Carrots, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1986-88**

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ.....	2,400	2,000	1,900	396	400	238	10.90	10.60	10.20
CA:									
Desert.....	12,400	14,500	14,600	5,580	6,888	6,570	12.50	10.80	11.60
Other.....	27,600	35,500	36,500	14,628	18,638	14,600	12.10	10.00	11.70
CO.....	1,200	1,300	1,400	408	449	504	14.50	7.60	8.40
FL.....	12,300	12,100	12,200	849	1,065	1,183	13.00	10.80	11.40
MI.....	3,700	7,000	6,700	925	1,925	1,709	9.93	7.36	12.50
MN.....	1,200	1,500	1,400	480	540	245	7.03	5.91	9.37
NY.....	1,400	1,200	1,200	560	432	420	13.00	12.90	9.60
OR.....	1,000	800	950	460	380	513	9.14	9.08	10.50
TX.....	11,600	11,500	10,000	2,030	2,185	1,800	8.94	8.48	9.59
WA.....	5,800	6,500	5,600	2,407	3,036	2,912	5.10	4.29	5.98
WI.....	3,500	3,500	3,200	1,523	1,750	1,296	6.49	6.00	5.91
Other States <sup>2</sup> .....	2,000	2,620	2,000	828	797	511	3.15	2.96	3.13
US.....	86,100	100,120	97,650	31,074	38,485	32,501	10.80	9.13	10.60

  

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
AZ.....	396	400	238	10.90	10.60	10.20						
CA.....	18,410	24,126	19,650	13.00	10.60	12.30	89,900	70,000	76,000	81.00	86.50	83.50
CO.....	408	449	504	14.50	7.60	8.40						
FL.....	849	1,065	1,183	13.00	10.80	11.40						
MI.....	494	1,150	1,139	16.10	10.40	17.20	21,560	38,760	28,480	57.30	56.80	60.60
MN.....	161	245	105	14.40	10.00	17.00	15,930	14,750	7,000	66.30	50.20	73.00
NY.....	280	148	100	22.70	31.80	29.90	14,000	14,200	16,000	65.00	59.80	65.00
OR.....	150	125	205	23.20	22.50	22.50	15,480	12,750	15,390	46.90	49.90	49.40
TX.....	1,750	1,975	1,575	10.20	9.26	10.80	14,000	10,500	11,250	22.00	22.00	23.00
WA.....	481	703	678	17.10	11.90	16.80	96,300	116,660	111,720	42.00	39.90	53.90
Other States <sup>3</sup> .....	215	220	108	23.80	24.10	28.00	106,800	116,360	84,950	69.10	65.00	73.30
US.....	23,594	30,606	25,485	13.20	10.70	12.60	373,970	393,980	350,790	61.30	58.20	65.30

<sup>1</sup> Preliminary.

<sup>2</sup> New Jersey and Ohio.

<sup>3</sup> New Jersey, Ohio, and Wisconsin.

National Agricultural Statistics Service.

**Table 208.—Carrots, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1974-88**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Production	Value <sup>2</sup>		Production	Value <sup>3</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	1,000 cwt.	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1974.....	78,550	292	22,924	5.28	121,145	13,289	7.66	101,811	481,750	40.10	19,334
1975.....	70,080	271	19,016	6.88	130,891	12,423	9.38	116,516	329,650	43.60	14,375
1976.....	73,460	262	19,278	5.88	113,371	12,353	8.08	99,785	346,250	39.20	13,586
1977.....	69,630	277	19,271	7.20	138,664	10,735	11.20	120,026	426,800	43.70	18,638
1978.....	76,770	258	19,824	6.74	133,603	11,374	10.00	114,275	422,520	45.70	19,328
1979.....	86,040	257	22,124	7.16	158,376	12,880	10.60	136,863	462,200	46.50	21,513
1980.....	81,800	255	20,888	8.33	173,905	13,704	11.30	154,853	359,170	53.00	19,052
1981.....	84,350	259	21,831	9.11	198,961	14,511	12.30	178,758	365,960	55.20	20,203
1982.....	86,850	277	24,082	8.64	208,000	14,764	11.70	172,550	419,830	53.10	22,280
1983 <sup>4</sup> .....	87,400	265	23,138	9.31	215,431	15,234	12.70	192,744	395,170	57.40	22,687
1984.....	93,640	253	23,734	10.40	247,920	15,476	14.40	222,373	412,920	61.90	25,547
1985.....	90,100	254	22,916	9.01	206,426	15,347	11.90	182,294	378,570	63.70	24,132
1986.....	86,100	361	31,074	10.80	334,617	23,594	13.20	311,674	373,970	61.30	22,943
1987.....	100,120	384	38,485	9.13	351,362	30,606	10.70	328,429	393,980	58.20	22,933
1988 <sup>5</sup> .....	97,650	333	32,501	10.60	344,466	25,485	12.60	321,571	350,790	65.30	22,895

<sup>1</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 170 in 1975, 243 in 1976, 5 in 1977, and 37 in 1978. <sup>2</sup> Price and value on f.o.b. basis. <sup>3</sup> Price and value at processing plant door. <sup>4</sup> Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data. <sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 209.—Cauliflower, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, 1974-88<sup>1</sup>**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production	Value <sup>2</sup>		Production	Value <sup>2</sup>		Production	Value <sup>3</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	1,000 cwt.	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1974.....	32,220	94	3,033	13.10	39,594	1,553	17.80	27,653	74,000	161.00	11,941
1975.....	31,880	94	2,987	15.20	45,320	1,744	20.00	34,816	62,150	169.00	10,504
1976.....	33,500	92	3,071	16.80	51,714	1,989	21.30	42,381	54,100	173.00	9,333
1977.....	37,210	99	3,674	17.50	64,434	2,113	23.20	49,119	78,050	196.00	15,815
1978.....	41,450	92	3,808	18.20	69,154	1,817	26.40	47,983	99,550	213.00	21,171
1979.....	42,750	96	4,117	19.70	81,121	2,627	25.20	66,137	74,530	201.00	14,984
1980.....	43,320	98	4,255	22.50	95,762	2,801	28.20	79,043	72,720	230.00	16,719
1981.....	46,020	113	5,209	24.10	125,307	3,477	30.00	104,358	86,590	242.00	20,949
1982.....	51,400	104	5,370	24.50	131,356	3,420	31.20	106,740	97,530	252.00	24,616
1983 <sup>4</sup> .....	54,600	99	5,414	25.90	139,989	3,704	32.00	118,464	85,510	252.00	21,525
1984.....	60,800	110	6,685	26.20	174,931	4,817	31.10	150,031	93,560	266.00	24,900
1985.....	61,200	109	6,664	25.40	169,133	4,904	29.80	145,955	87,940	264.00	23,178
1986.....	67,800	111	7,527	25.50	191,863	5,906	28.80	170,020	81,060	270.00	21,843
1987.....	66,100	112	7,375	25.40	187,555	5,928	28.30	167,728	72,330	274.00	19,827
1988 <sup>5</sup> .....	62,800	125	7,874	25.70	202,378	6,515	28.10	183,387	67,940	280.00	18,991

<sup>1</sup> Includes heading (cauliflower) broccoli.

<sup>2</sup> Price and value on f.o.b. basis.

<sup>3</sup> Price and value at processing plant door.

<sup>4</sup> Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 210.—Cauliflower, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1986–88<sup>1</sup>**

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ .....	6,100	6,400	6,100	702	800	641	29.20	27.40	31.10
CA .....	53,000	51,100	48,000	5,830	5,621	6,240	25.80	26.20	25.90
MI .....	700	1,200	1,100	39	72	61	39.50	28.80	39.00
NY:									
Long Island .....	1,600	1,600	1,500	192	160	180	28.90	27.90	27.70
Upstate .....	1,500	1,500	1,600	165	158	152	27.60	27.30	24.90
OR .....	3,900	3,600	3,000	507	504	495	13.60	13.50	15.70
TX .....	1,000	700	1,500	92	60	105	28.30	28.20	18.90
US .....	67,800	66,100	62,800	7,527	7,375	7,874	25.50	25.40	25.70

  

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
AZ .....	702	800	641	29.20	27.40	31.10						
CA .....	4,670	4,661	5,340	28.50	28.40	27.60	58,000	48,000	45,000	295.00	308.00	314.00
Other States <sup>3</sup> .....	534	467	534	30.80	28.80	30.10	23,060	24,330	22,940	205.00	207.00	212.00
US .....	5,906	5,928	6,515	28.80	28.30	28.10	81,060	72,330	67,940	270.00	274.00	280.00

<sup>1</sup> Includes heading (cauliflower) broccoli.

<sup>2</sup> Preliminary.

<sup>3</sup> Michigan, New York, Oregon, and Texas.

National Agricultural Statistics Service.



**Table 211.—Celery, commercial crop: Area, production, and value per hundredweight, by States, 1986-88 <sup>1</sup>**

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
CA:									
Southern Coast.....	11,700	11,400	11,500	6,669	6,384	7,073	11.50	12.10	11.00
Central Coast.....	9,700	9,900	8,800	6,014	6,287	6,204	11.80	9.36	11.30
FL.....	8,400	8,600	8,000	3,486	3,612	3,720	12.30	12.00	13.40
MI.....	2,600	3,100	3,100	1,040	1,147	1,178	14.00	11.50	13.70
NY.....	470	490	450	193	201	172	16.30	17.70	21.10
OH.....	470	450	350	212	216	140	13.00	10.30	13.50
TX <sup>3</sup> .....			1,800			936			12.30
US.....	33,340	33,940	33,980	17,614	17,847	19,423	12.00	11.10	11.90

<sup>1</sup> Mostly for fresh market use, but includes some quantities used for processing.   <sup>2</sup> Preliminary.<sup>3</sup> Estimates begin with 1988 crop.

National Agricultural Statistics Service.

**Table 212.—Celery, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1974-88 <sup>1</sup>**

Year	Area for harvest	Yield per acre	Production <sup>2</sup>	Value <sup>3</sup>		Year	Area for harvest	Yield per acre	Production <sup>2</sup>	Value <sup>3</sup>	
				Per cwt.	Total					Per cwt.	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	32,690	504	16,476	5.70	93,956	1981.....	36,720	507	18,628	10.80	200,622
1975.....	31,750	498	15,826	7.46	118,122	1982.....	36,440	525	19,139	10.20	194,280
1976.....	33,660	502	16,904	7.89	133,336	1983.....	34,780	526	18,287	13.70	250,239
1977.....	33,760	491	16,561	8.51	140,978	1984.....	35,050	535	18,757	12.20	228,457
1978.....	36,880	467	17,201	11.90	204,941	1985.....	33,860	542	18,349	10.30	189,527
1979.....	35,720	493	17,603	9.15	161,042	1986.....	33,340	528	17,614	12.00	211,065
1980.....	37,250	501	18,655	9.11	169,896	1987.....	33,940	526	17,847	11.10	198,617
						1988 <sup>4</sup> .....	33,980	572	19,423	11.90	230,762

<sup>1</sup> Mostly for fresh market use, but includes quantities used for processing.<sup>2</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 109 in 1974.<sup>3</sup> Price and value on f.o.b. basis.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 213.—Corn, sweet, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1974–88**

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Area for harvest	Yield per acre	Production	Value <sup>3</sup>	
				Per cwt.	Total				Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974 .....	177,400	78	13,909	7.80	108,542	462,150	4.48	2,069,450	54.30	112,306
1975 .....	179,400	80	14,398	8.41	121,117	508,700	4.70	2,393,100	53.60	128,227
1976 .....	184,100	81	14,921	8.16	121,812	460,980	4.84	2,233,100	48.20	107,703
1977 .....	176,800	81	14,343	8.07	115,775	453,980	5.23	2,376,200	49.60	117,879
1978 .....	181,100	78	14,061	8.84	124,239	429,610	5.67	2,434,700	49.90	121,445
1979 .....	179,800	78	14,033	9.89	138,730	417,640	5.90	2,463,940	51.30	126,439
1980 .....	180,450	79	14,281	10.70	152,890	375,400	5.75	2,158,010	53.70	115,824
1981 .....	183,700	78	14,288	11.60	165,669	401,000	5.98	2,378,170	63.10	150,048
1982 .....	186,100	78	14,435	12.20	176,071	446,900	6.13	2,740,450	61.40	168,165
1983 .....	190,800	78	14,868	12.50	185,282	399,800	5.57	2,227,060	59.80	133,233
1984 .....	193,000	81	15,589	13.10	204,617	427,200	5.97	2,552,170	63.70	162,530
1985 .....	190,600	82	15,721	12.70	200,232	435,300	6.06	2,640,000	63.40	167,297
1986 .....	184,600	81	15,018	13.90	208,921	413,380	6.19	2,559,440	58.90	150,821
1987 .....	189,600	81	15,400	12.90	198,277	430,920	6.65	2,866,630	59.30	169,984
1988 <sup>4</sup> .....	173,600	84	14,503	14.80	214,718	444,800	5.41	2,407,550	60.70	146,153

<sup>1</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 56 in 1978.

<sup>2</sup> Price and value on f.o.b. basis.

<sup>3</sup> Price and value at processing plant door.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 214.—Corn, sweet, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1986–88

Utilization and State	Area			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
<b>FOR FRESH MARKET</b>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AL.....	5,000	5,500	3,500	300	413	175	10.70	12.70	14.00
CA.....	15,000	16,000	15,000	1,500	1,520	1,950	16.10	13.30	15.10
CO.....	3,400	3,500	3,600	561	473	504	8.30	8.85	9.40
CN.....	4,600	4,400	4,000	359	312	264	17.50	15.10	19.30
FL.....	47,400	52,000	53,100	4,408	4,680	5,151	14.30	14.00	14.10
IL.....	3,800	4,300	4,800	323	344	336	10.10	10.60	16.10
MA.....	8,400	7,100	7,200	790	639	655	17.50	15.80	17.70
MI.....	11,700	11,500	9,000	702	713	540	10.50	10.20	16.90
NJ.....	12,200	11,300	10,000	976	904	620	14.40	13.50	16.70
NY.....	24,700	27,200	24,800	1,754	2,094	1,736	13.30	10.40	14.30
NC.....	4,500	4,500	4,300	243	315	258	12.40	9.59	12.70
OH.....	15,400	16,000	10,500	1,263	1,280	578	13.50	13.00	11.60
OR.....	2,300	2,400	2,300	276	276	276	18.60	18.20	22.40
PA.....	16,600	14,300	13,200	797	701	726	15.20	14.50	16.80
TX.....	3,800	4,000	3,000	190	200	150	6.00	12.00	14.00
VA.....	2,600	2,400	2,100	192	120	168	15.80	19.00	18.20
WA.....	3,200	3,200	3,200	384	416	416	11.10	9.31	13.30
US.....	184,600	189,600	173,600	15,018	15,400	14,503	13.90	12.90	14.80
<b>FOR PROCESSING</b>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons <sup>2</sup></i>	<i>Tons <sup>2</sup></i>	<i>Tons <sup>2</sup></i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
DE.....	4,900	5,400	5,300	23,370	25,490	26,390	47.90	54.60	69.00
ID.....	16,500	17,800	18,200	148,670	166,430	163,800	58.20	53.40	53.90
IL.....	31,700	27,600	30,300	151,840	149,320	119,990	58.60	62.90	69.40
MD.....	7,600	6,300	6,800	41,500	32,510	34,270	48.20	58.00	62.80
MN.....	123,500	112,200	124,200	734,830	729,300	544,000	53.80	56.10	55.60
NY.....	27,100	27,900	25,000	138,750	193,070	95,000	60.00	57.00	55.70
OR.....	34,900	38,900	37,100	322,480	343,880	340,580	66.60	64.20	71.30
PA.....	3,500	3,000	2,800	11,520	10,530	10,590	50.30	50.00	52.40
WA.....	35,300	44,600	49,200	295,460	402,290	430,500	68.60	67.10	64.80
WI.....	122,200	140,000	138,400	656,210	770,000	608,960	57.70	57.50	57.10
Other States <sup>3</sup> .....	6,180	7,220	7,500	34,810	43,810	33,670	60.40	60.10	58.80
US.....	413,380	430,920	444,800	2,559,440	2,866,630	2,407,550	58.90	59.30	60.70
Grand total.....	597,980	620,520	618,400	3,310,340	3,636,630	3,132,700	109.00	101.00	115.00

<sup>1</sup> Preliminary.<sup>2</sup> Tonnage in husk.<sup>3</sup> Indiana, Iowa, Michigan, and New Jersey.

National Agricultural Statistics Service.

**Table 215.—Cucumbers, commercial crop: Area, yield, production, value per ton, total value, and pickle stocks, United States, 1974-88**

Year	For processing					Pickle stocks on hand Oct. 1 <sup>2</sup>
	Area harvested	Yield per acre	Production	Value <sup>1</sup>		
				Per ton	Total	
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>
1974	132,010	4.52	597,000	131.00	77,954	496,000
1975	140,170	4.81	674,250	129.00	86,730	502,800
1976	128,380	4.94	633,800	126.00	79,751	476,500
1977	123,790	5.04	623,850	126.00	78,651	494,550
1978	134,740	5.09	685,450	130.00	88,814	516,600
1979	131,680	5.08	668,970	145.00	97,186	507,750
1980	116,410	5.23	609,170	166.00	101,264	516,650
1981	97,530	5.90	575,380	175.00	100,629	448,300
1982 <sup>3</sup>						
1983 <sup>3</sup>						
1984 <sup>4</sup>	103,580	5.97	618,240	168.00	103,823	
1985	115,200	6.03	694,430	178.00	123,639	528,930
1986	110,510	5.79	639,550	177.00	113,400	522,840
1987	109,630	5.80	635,450	180.00	114,374	462,870
1988 <sup>5</sup>	118,870	5.48	651,580	200.00	130,194	461,110

<sup>1</sup> Price and value at processing plant door.<sup>2</sup> Stocks in hands of original salters of both salt and dill pickles, sold and unsold, in tanks and barrels, on Oct. 1 includes stocks of fresh-pack pickles.<sup>3</sup> Data not available.<sup>4</sup> Estimates reinstated with the 1984 crop.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 216.—Cucumbers (for pickles), commercial crop: Area, production, and value per ton, by States, 1986-88**

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA	4,000	4,100	3,800	64,680	61,500	69,010	200.00	198.00	213.00
CO	1,500	1,300	1,500	14,550	12,510	16,280	139.00	169.00	123.00
FL	4,400	3,900	6,000	24,200	23,400	36,000	278.00	316.00	300.00
IN	1,200	1,100	1,200	11,860	12,240	11,400	119.00	160.00	148.00
MD	3,300	2,200		21,090	16,280		193.00	203.00	
MI	24,000	24,000	23,000	139,200	160,800	126,500	146.00	139.00	156.00
NJ	770	560	580	6,520	4,900	3,490	193.00	194.00	197.00
NC	25,300	24,700	25,900	80,960	84,470	100,490	195.00	196.00	207.00
OH	4,500	4,500	3,900	57,240	46,800	36,270	192.00	178.00	198.00
OR	1,900	1,900	2,200	22,610	22,950	26,620	156.00	157.00	177.00
SC	13,300	13,200	11,200	45,750	38,940	39,760	189.00	192.00	216.00
TX	8,200	9,800	14,100	42,640	47,040	53,580	200.00	236.00	269.00
WA	1,700	1,700	1,400	15,300	16,970	14,310	160.00	180.00	187.00
WI	7,200	5,700	6,800	54,000	45,770	46,920	160.00	163.00	187.00
Other States <sup>2</sup>	9,240	10,970	17,290	38,950	40,880	70,950	156.00	160.00	189.00
US	110,510	109,630	118,870	639,550	635,450	651,580	177.00	180.00	200.00

<sup>1</sup> Preliminary.<sup>2</sup> 1986—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Kentucky, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, and South Dakota. 1987—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Illinois, Kentucky, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, and Virginia. 1988—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Illinois, Iowa, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, New York, Tennessee, and Virginia.

National Agricultural Statistics Service.

**Table 217.—Honeydew melons, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1974-88**

Year	Area for harvest	Yield per acre	Production	Value <sup>1</sup>		Year	Area for harvest	Yield per acre	Production	Value <sup>1</sup>	
				Per cwt.	Total					Per cwt.	Total
	Acres	Cwt.	1,000 cwt.	Dol-lars	1,000 dollars		Acres	Cwt.	1,000 cwt.	Dol-lars	1,000 dollars
1974 .....	12,400	176	2,185	8.23	17,993	1982 .....	24,900	152	3,780	14.10	53,111
1975 .....	12,570	191	2,395	9.31	22,286	1983 .....	28,800	165	3,918	13.20	51,540
1976 .....	13,950	168	2,346	10.60	24,916	1984 .....	23,300	173	4,031	13.90	55,894
1977 .....	15,480	167	2,591	9.87	25,561	1985 .....	25,700	185	4,758	12.20	58,055
1978 .....	18,520	184	3,413	9.62	32,846	1986 .....	28,800	189	5,438	12.70	69,132
1979 .....	20,500	170	3,477	10.90	37,761	1987 .....	28,600	168	4,811	14.40	69,293
1980 .....	17,700	180	3,180	13.50	42,864	1988 <sup>2</sup> .....	31,200	168	5,241	14.40	75,341
1981 .....	19,600	174	3,419	15.40	52,581						

<sup>1</sup> Price and value on f.o.b. basis.      <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 218.—Honeydew melons, commercial crop: Area, production, and value per hundredweight, by States, 1986-88**

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AZ .....	2,800	3,400	2,400	448	459	420	12.40	11.90	17.30
CA .....	19,000	20,600	21,300	3,800	3,708	3,621	11.00	11.90	13.10
TX .....	7,000	4,600	7,500	1,190	644	1,200	18.30	30.60	17.20
US .....	28,800	28,600	31,200	5,438	4,811	5,241	12.70	14.40	14.40

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 219.—Lettuce, commercial crop: Area, production, and value per hundredweight, by States, 1986-88

State	Area			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
<b>AZ:</b>									
Western.....	32,100	35,200	42,000	8,988	11,616	11,970	11.80	11.50	25.40
Other.....	6,300	5,700	7,000	1,544	1,140	1,575	12.40	19.70	11.00
CA.....	145,500	157,100	159,500	47,288	49,487	51,838	11.50	15.10	12.20
CO.....	2,500	3,000	2,300	613	795	644	10.00	17.40	10.70
FL.....	14,200	13,300	11,500	2,272	2,062	2,358	18.50	21.20	19.90
MI.....	1,200	1,000	800	240	215	140	16.70	20.20	18.90
NJ.....	2,600	2,600	2,600	429	364	442	12.70	13.30	11.60
NM.....	2,900	2,900	2,800	725	783	644	14.00	11.20	7.82
NY.....	3,100	3,400	2,600	620	680	468	13.60	14.90	14.60
OH.....	900	1,000	1,400	99	130	168	14.20	17.70	14.20
TX.....	2,300	2,000	1,800	437	390	396	10.20	14.50	22.10
WA.....	1,200	1,200	1,400	216	240	336	14.70	14.90	15.30
WI.....	540			157			8.60		
<b>Total.....</b>	<b>215,340</b>	<b>228,400</b>	<b>235,700</b>	<b>63,628</b>	<b>67,902</b>	<b>70,979</b>	<b>11.90</b>	<b>14.70</b>	<b>14.70</b>
HI.....	620	520	360	87	70	45	27.20	27.40	36.40
US.....	215,960	228,920	236,060	63,715	67,972	71,024	11.90	14.70	14.70

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 220.—Lettuce, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1974-88**

Year	Area for harvest	Yield per acre	Production	Value <sup>1</sup>		Year	Area for harvest	Yield per acre	Production	Value <sup>1</sup>	
				Per cwt.	Total					Per cwt.	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars		Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars
1974 .....	228,320	225	51,431	6.93	356,402	1981 .....	223,840	280	62,649	10.90	681,612
1975 .....	228,750	235	53,658	6.71	360,313	1982 .....	216,050	291	62,949	12.00	758,452
1976 .....	225,020	249	55,931	8.26	462,262	1983 <sup>2</sup> ..	208,630	278	57,969	12.30	713,716
1977 .....	231,380	259	59,929	6.94	415,951	1984 .....	221,880	290	64,309	11.00	706,271
1978 .....	239,090	252	60,275	9.90	596,908	1985 .....	225,690	274	61,304	10.90	675,270
1979 .....	245,850	249	61,310	9.20	564,113	1986 .....	215,960	271	63,715	11.90	757,970
1980 .....	236,460	268	63,297	8.91	564,064	1987 .....	228,320	295	67,972	14.70	1,002,379
						1988 <sup>3</sup> ..	236,060	301	71,024	14.70	1,045,161

<sup>1</sup> Price and value on f.o.b. basis.

<sup>2</sup> Due to program modifications, 1983 data are not comparable with 1983 and earlier or 1984 and later data.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 221.—Onions, commercial crop: Area, yield, production, shrinkage and loss, value per hundredweight, total value, stocks, United States, 1974-88 <sup>1</sup>**

Year	Stocks in storage Jan. 1 <sup>2</sup>			Area for harvest	Yield per acre	Production <sup>3</sup>	Shrinkage and loss	Value <sup>4</sup>	
	In common storage	In cold storage	Total					Per cwt.	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	Acres	Cwt.	1,000 cwt.	1,000 cwt.	Dollars	1,000 dollars
1974 .....	4,754	81	4,835	109,730	302	33,151	2,934	4.87	147,182
1975 .....	5,109	80	5,189	103,080	305	31,418	2,944	9.35	266,230
1976 .....	4,430	89	4,519	109,520	322	35,288	3,935	6.93	217,202
1977 .....	5,156	98	5,254	108,550	319	34,583	4,365	6.76	204,314
1978 .....	5,680	68	5,743	121,920	297	36,174	3,958	7.81	251,495
1979 .....	6,556	66	6,622	123,910	312	38,602	4,576	6.98	237,432
1980 .....	7,752	99	7,851	113,160	296	33,526	3,075	11.40	347,054
1981 .....	6,235	78	6,313	112,030	314	35,155	2,885	14.70	475,470
1982 .....	5,560	35	5,595	125,920	332	41,861	4,553	8.24	307,501
1983 .....				123,040	315	38,762	3,851	12.40	431,906
1984 .....				129,350	338	43,657	3,925	10.60	422,538
1985 .....				122,760	367	45,059	6,799	9.08	347,247
1986 .....				115,340	375	43,301	4,118	10.90	427,669
1987 .....				123,720	371	45,867	4,863	12.50	511,090
1988 <sup>6</sup> .....				132,150	365	48,264	4,407	9.72	426,293

<sup>1</sup> Mostly for fresh market use, but includes some quantities used for processing.

<sup>2</sup> Grower and local dealer stocks discontinued after 1982.

<sup>3</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 30 in 1976. Includes storage crop onions harvested but not sold because of shrinkage and waste.

<sup>4</sup> Price and value on f.o.b. basis.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

## VEGETABLES AND MELONS, 1989

Table 222.—Onions, commercial crop: Area, production, shrinkage and loss, and value per hundredweight, by States, 1986-88 <sup>1</sup>

Season and State	Area			Production			Shrinkage and loss			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dol-lars per cwt.	Dol-lars per cwt.	Dol-lars per cwt.
Spring:												
AZ.....	1,200	1,300	1,200	660	585	450				8.78	20.50	7.55
CA.....	7,800	8,200	8,500	2,886	3,198	3,315				10.30	17.60	9.71
TX.....	12,000	12,500	14,000	3,600	2,750	3,220				9.74	25.30	12.00
Total.....	21,000	22,000	23,700	7,146	6,533	6,985				9.88	21.10	10.60
Summer:												
Non-storage:												
NM.....	4,700	5,400	6,400	1,810	2,106	2,752				9.53	14.60	8.52
TX.....	5,300	4,700	4,100	1,587	799	861				11.70	10.40	11.40
WA.....	1,300	1,400	1,600	429	532	640				9.55	12.90	10.70
Non-storage total.....	11,300	11,500	12,100	3,776	3,437	4,253				10.40	13.40	9.43
Storage:												
CO.....	10,800	12,500	13,500	4,590	4,688	5,535	840	775	996	13.00	11.50	12.30
ID.....	7,000	7,700	7,600	3,710	4,620	4,028	575	990	588	12.10	10.20	10.50
MI.....	5,700	7,600	8,000	1,653	1,900	2,000	500	412	458	13.00	12.70	11.00
MN.....	650	650	600	208	195	126	21	20	16	11.50	10.50	9.58
NY.....	12,800	11,600	11,700	3,456	3,132	2,808	622	424	454	15.80	18.90	16.50
OH.....	490	470	550	169	139	165	15	20	17	14.30	15.10	16.00
OR (Malheur).....	8,500	9,200	10,100	4,505	5,520	5,353	721	1,112	715	12.10	10.20	10.50
OR (Other).....	3,200	3,600	3,600	1,440	1,512	1,296	200	276	246	13.40	13.20	10.70
UT.....	1,400	1,700	1,800	469	825	684	61	115	101	10.60	8.27	8.26
WA.....	4,400	5,000	5,600	1,848	2,300	2,520	323	368	400	12.90	10.60	9.40
WI.....	1,200	1,200	1,300	378	336	351	40	36	31	11.50	10.30	11.50
Storage total.....	56,140	61,220	64,350	22,426	25,167	24,866	3,918	4,488	3,972	13.00	11.90	11.50
CA <sup>3</sup> .....	26,900	29,000	32,000	9,953	10,730	12,160	200	375	435	7.87	7.75	6.13
Total summer.....	94,340	101,720	108,450	36,155	39,334	41,279	4,118	4,863	4,407	11.10	10.80	9.55
US.....	115,340	123,720	132,150	43,301	45,867	48,264	4,118	4,863	4,407	10.90	12.50	9.72

<sup>1</sup> Mostly for fresh market use, but includes some quantities used for processing.<sup>2</sup> Preliminary.<sup>3</sup> Primarily for processing.

National Agricultural Statistics Service.

Table 223.—Onions: Foreign trade, United States, 1974-87

Year beginning July	Imports	Domestic exports	Year beginning July	Imports	Domestic exports	Year beginning July	Imports	Domestic exports
	1,000 cwt.	1,000 cwt.		1,000 cwt.	1,000 cwt.		1,000 cwt.	1,000 cwt.
1974.....	909	1,553	1979.....	1,304	1,851	1984.....	2,528	2,479
1975.....	696	3,169	1980.....	1,400	2,614	1985.....	2,501	1,178
1976.....	1,403	3,169	1981.....	1,581	3,822	1986.....	3,454	1,812
1977.....	1,345	1,941	1982.....	1,861	1,367	1987.....	4,204	1,934
1978.....	1,582	2,164	1983.....	2,414	2,056			

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.



**Table 224.—Peas, green (for processing), commercial crop: Area, yield, production, value per ton, and total value, United States, 1974-88**

Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>		Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>	
				Per ton	Total					Per ton	Total
	<i>Acres</i>	<i>Tons</i> <sup>2</sup>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Tons</i> <sup>2</sup>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974 .....	421,700	1.36	573,150	196.00	112,166	1982 .....	303,830	1.63	496,290	227.00	112,541
1975 .....	437,650	1.30	570,750	218.00	124,604	1983 .....	308,800	1.38	425,740	217.00	92,189
1976 .....	393,020	1.31	513,200	199.00	101,982	1984 .....	330,470	1.50	495,340	237.00	117,266
1977 .....	350,480	1.40	488,950	206.00	100,533	1985 .....	353,620	1.63	577,810	240.00	138,489
1978 .....	355,460	1.30	461,100	206.00	94,853	1986 .....	272,420	1.52	414,880	226.00	93,781
1979 .....	392,320	1.56	613,350	210.00	129,090	1987 .....	290,300	1.51	439,530	224.00	98,576
1980 .....	321,660	1.51	484,240	209.00	101,392	1988 <sup>3</sup> .....	283,900	1.10	313,140	234.00	73,166
1981 .....	293,090	1.55	455,950	218.00	99,056						

<sup>1</sup> Price and value at processing plant door.<sup>2</sup> Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 225.—Peas, green (for processing), commercial crop: Area, production, and value per ton, States, 1986-88**

State	Area			Production <sup>2</sup>			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
DE .....	9,600	9,700	7,700	15,460	12,420	11,780	239.00	229.00	180.00
MN .....	72,700	76,300	74,100	94,510	104,530	53,350	232.00	214.00	259.00
NY .....	8,700	9,900	9,700	16,100	16,240	11,640	281.00	261.00	290.00
OR .....	29,200	33,300	26,000	34,160	43,620	37,440	198.00	200.00	192.00
WA .....	47,600	41,500	48,200	81,400	85,490	90,440	251.00	254.00	237.00
WI .....	70,900	82,500	79,900	114,150	114,680	107,440	208.00	217.00	251.00
Other States <sup>3</sup> .....	33,720	37,100	38,300	59,100	62,550	5	215,000	221.00	214.00
US .....	272,420	290,300	283,900	414,880	439,530	313,140	226.00	224.00	234.00

<sup>1</sup> Preliminary.<sup>2</sup> Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.<sup>3</sup> 1986-87—California, Idaho, Illinois, Iowa, Maine, Maryland, Michigan, New Jersey, and Pennsylvania. 1988—California, Idaho, Illinois, Maine, Maryland, Michigan, New Jersey, and Pennsylvania.

National Agricultural Statistics Service.

Table 226.—Potatoes: Production, seed used, and disposition, United States, 1974–87

Year	Production <i>1,000 cwt.</i>	Total used for seed <i>1,000 cwt.</i>	Used on farms where produced		Sold <i>1,000 cwt.</i>
			For seed, feed, and household use <i>1,000 cwt.</i>	Shrinkage and loss <i>1,000 cwt.</i>	
1974.....	342,895	23,795	6,472	32,496	303,427
1975.....	321,978	25,615	6,560	22,177	293,241
1976.....	357,666	25,566	6,760	26,246	324,660
1977.....	355,334	25,989	6,718	31,119	317,497
1978.....	366,314	24,331	6,302	34,439	325,573
1979.....	342,447	22,316	5,904	30,128	306,415
1980.....	303,905	24,063	6,380	23,297	274,288
1981.....	340,623	24,931	6,004	26,339	308,280
1982.....	355,131	24,120	7,242	31,045	316,844
1983.....	333,726	25,475	5,937	24,664	303,125
1984.....	362,039	27,159	5,701	30,057	326,281
1985.....	406,609	24,955	3,061	52,707	345,841
1986.....	361,743	25,770	6,248	28,355	327,140
1987 <sup>1</sup> .....	389,320	25,544	5,654	31,901	351,765

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 227.—Potatoes: Area, yield, production, season average price, and value, United States, 1974–88

Year	Area planted <i>1,000 acres</i>	Area harvested <i>1,000 acres</i>	Yield per harvested acre <i>Cwt.</i>	Production <i>1,000 cwt.</i>	Season average price per cwt. received by farmers <sup>1</sup>	Value of production <i>1,000 dollars</i>
					<i>Dollars</i>	<i>dollars</i>
1974.....	1,421.6	1,391.6	246	342,395	4.01	1,354,928
1975.....	1,298.5	1,259.5	256	321,978	4.48	1,442,741
1976.....	1,404.2	1,371.4	261	357,666	3.59	1,282,521
1977.....	1,398.9	1,360.2	261	355,334	3.55	1,255,047
1978.....	1,401.0	1,374.5	267	366,314	3.38	1,224,478
1979.....	1,295.4	1,258.3	272	342,447	3.44	1,172,108
1980.....	1,175.4	1,147.8	265	303,905	6.55	1,985,814
1981.....	1,255.3	1,232.4	276	340,623	5.42	1,831,474
1982.....	1,302.8	1,266.9	280	355,131	4.45	1,562,639
1983.....	1,272.1	1,242.5	269	333,911	5.82	1,935,502
1984.....	1,336.9	1,301.0	279	362,612	5.69	2,045,697
1985.....	1,409.1	1,361.1	299	407,109	3.92	1,570,600
1986.....	1,257.2	1,219.6	296	361,511	5.03	1,808,483
1987.....	1,302.0	1,279.3	301	385,462	4.35	1,656,797
1988 <sup>2</sup> .....	1,269.0	1,243.2	282	350,123	5.49	1,918,704

<sup>1</sup> Obtained by weighting State prices by quantity sold.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 228.—Potatoes: Area, production, and marketing year price per hundredweight received by farmers, by States, 1986-88**

Season and State	Area harvested			Production			Price for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
<b>Winter:</b>									
CA.....	5.1	4.6	5.2	1,479	1,081	1,196	7.00	11.30	10.40
FL.....	7.2	7.1	7.1	1,512	1,420	1,420	16.20	23.90	10.60
Total.....	12.3	11.7	12.3	2,991	2,501	2,616	11.80	18.60	10.50
<b>Spring:</b>									
AL.....	5.0	5.6	4.9	725	700	662	6.75	13.90	7.25
AZ.....	5.9	4.9	5.3	1,298	1,348	1,246	7.30	10.50	9.35
CA.....	19.5	21.3	19.6	7,605	7,881	7,546	8.55	11.50	8.90
FL:									
Hastings.....	24.5	26.5	26.5	6,860	5,168	6,228	6.05	14.50	4.50
Other.....	.9	2.1	2.5	171	399	525	9.60	13.90	5.95
LA.....	.5	.3	.4	35	18	20	13.50	11.70	13.00
NC.....	13.7	15.9	14.4	2,055	2,544	2,736	5.00	7.00	5.35
TX.....	6.2	6.2	6.2	1,116	930	1,147	6.00	7.30	6.95
Total.....	76.2	82.8	79.8	19,865	18,988	20,110	7.05	11.60	6.80
<b>Summer:</b>									
AL.....	7.9	8.0	7.7	1,067	1,240	693	7.60	8.25	6.85
CA.....	6.8	6.4	5.9	2,482	2,208	1,918	9.95	10.60	12.40
CO.....	6.9	6.3	6.1	2,070	1,859	1,861	6.00	5.40	5.40
DE.....	6.9	8.0	8.4	1,311	1,680	1,806	6.50	7.00	9.35
IL.....	2.9	3.1	3.2	783	806	736	4.35	4.45	5.05
IA.....	1.7	2.0	1.7	332	360	289	4.35	4.30	5.70
MD.....	1.6	2.5	2.3	272	500	460	6.80	6.85	7.65
MI.....	6.5	10.8	9.0	1,495	2,160	1,620	5.70	5.10	6.10
MN.....	6.2	6.4	5.7	1,643	1,920	1,482	6.25	3.65	6.90
NE.....	2.2	2.5	2.3	605	675	690	5.80	4.35	6.65
NJ.....	7.8	6.6	5.2	1,872	1,254	1,014	6.10	6.00	6.70
NM.....	9.0	10.0	10.2	2,790	3,500	3,060	5.00	4.15	5.65
NC.....	1.9	1.5	1.4	209	173	168	8.45	8.90	7.10
TN.....	1.9	1.3	.9	171	104	59	9.55	10.30	9.45
TX.....	9.9	11.0	9.0	2,475	2,420	2,250	9.80	7.75	9.20
VA.....	13.9	14.1	12.8	1,112	1,974	2,048	8.00	7.70	7.75
Total.....	94.0	105.5	91.8	20,689	22,833	20,154	7.02	6.32	7.55
<b>Fall:</b>									
CA.....	17.0	18.3	16.5	6,885	7,869	6,105	6.40	4.15	8.15
CO.....	57.0	60.0	59.5	18,810	19,500	19,040	4.20	1.75	7.35
CT.....	.9	.5	.6	212	123	135	6.80	5.35	7.50
ID:									
10 S.W. counties.....	17.0	18.0	18.0	6,120	7,200	7,200	4.30	3.50	5.40
Other counties.....	290.0	319.0	329.0	84,100	92,510	95,410			
IN.....	4.5	5.0	4.2	990	1,250	756	6.45	5.00	6.30
ME.....	86.0	83.0	80.0	21,930	23,240	22,000	6.00	4.25	7.30
MA.....	2.9	2.8	2.6	667	658	572	6.70	6.50	7.70
MI.....	35.0	36.0	34.0	9,625	9,720	7,820	6.05	5.10	7.55
MN.....	70.0	71.0	69.0	13,650	16,330	12,075	4.25	3.20	6.20
MT.....	7.7	7.9	7.7	2,233	2,370	2,156	6.65	5.65	7.75
NE.....	6.9	7.5	7.6	1,794	2,175	2,128	6.10	4.80	7.75
NV.....	9.0	8.0	8.0	3,150	2,720	2,480	4.15	3.10	5.55
NY:									
Long Island.....	10.4	9.7	8.3	2,964	2,425	1,992	7.10	5.15	8.10
Upstate.....	22.5	25.0	24.0	5,288	6,250	4,800	7.80	6.15	9.35
ND.....	120.0	130.0	135.0	21,600	24,050	15,525	4.20	3.50	6.35
OH.....	9.7	9.8	8.7	2,522	2,254	1,697	6.00	5.20	6.90
OR:									
Malheur County.....	6.8	6.8	6.4	2,380	2,788	2,400	4.05	4.05	3.70
Other counties.....	45.2	48.2	38.6	20,792	23,136	18,335	4.20	3.40	4.95
PA.....	21.5	21.5	20.5	5,160	4,730	3,690	6.80	6.10	7.60
RI.....	1.6	1.5	1.2	384	263	300	5.80	5.70	6.45
SD.....	12.0	11.0	10.0	2,520	2,310	1,600	3.40	3.35	4.20
UT.....	6.4	6.6	6.6	1,760	1,584	1,617	4.45	4.50	5.20
VT.....	.1	( <sup>2</sup> )	( <sup>2</sup> )	20	( <sup>2</sup> )	( <sup>2</sup> )	6.80	( <sup>2</sup> )	( <sup>2</sup> )
WA.....	118.0	124.0	115.0	61,950	66,960	63,250	4.30	3.65	4.50
WI.....	57.5	65.0	62.5	20,125	22,100	20,000	4.60	3.85	6.40
WY.....	2.1	2.3	1.9	567	483	475	5.15	4.40	6.90
Total.....	1,087.7	1,098.4	1,075.4	318,198	344,998	313,558	4.68	3.69	5.82
US.....	1,220.2	1,293.4	1,259.3	361,743	389,320	356,488	5.08	4.38	6.02

See footnotes on page 167.

**Table 229.—Fall potatoes: Production and total stocks held by growers and local dealers, 15<sup>1</sup> States, 1974-88**

Crop year	Production	Total stocks <sup>1</sup>					
		Dec. 1	Following year				
			Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1974.....	278,679	183,850	160,100	131,480	102,963	75,217	.....
1975.....	266,422	181,720	156,220	129,710	102,850	70,970	.....
1976.....	294,978	198,630	172,230	142,030	112,830	81,130	.....
1977.....	295,421	202,550	175,300	147,930	119,850	88,680	.....
1978.....	311,981	219,850	193,520	162,980	132,570	99,250	64,630
1979.....	284,940	200,820	176,020	147,910	121,720	92,550	59,535
1980.....	256,518	172,030	147,010	122,065	97,680	72,660	44,546
1981.....	287,710	193,610	164,380	137,820	111,780	82,270	50,760
1982.....	296,031	206,525	178,980	150,200	122,500	90,105	57,305
1983.....	284,344	192,150	165,330	138,900	112,730	81,740	50,365
1984.....	302,958	201,410	173,380	144,760	118,400	86,440	52,465
1985.....	343,984	235,475	202,800	171,510	138,720	104,540	65,380
1986.....	307,928	209,435	180,915	154,545	128,720	95,090	59,790
1987.....	335,607	225,890	196,760	167,325	138,800	105,905	70,030
1988 <sup>2</sup> .....	305,623	206,420	177,750	151,050	124,485	92,585	59,355

<sup>1</sup> Stocks estimated for the 15 major States (see table 230) starting with the 1980 crop. This table shows stocks and comparable production for the 15 States over the past 11 years. Prior to this year, this table showed data for the 23 major States over a 15 year period.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 230.—Fall potatoes: Total stocks held by growers and local dealers, 15 States, crop of 1987 and 1988<sup>1</sup>**

State	Crop of 1987						Crop of 1988 <sup>1</sup>						
	Dec. 1	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	Dec. 1	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	
	1987	1988	1988	1988	1988	1988	1988	1989	1989	1989	1989	1989	
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
CA.....	5,000	3,900	3,200	2,600	2,000	1,300	3,900	3,200	2,600	2,100	1,600	1,200	
CO.....	15,600	13,800	11,800	10,200	8,100	5,900	14,700	12,950	11,200	9,450	7,400	5,500	
ID.....	72,500	65,000	57,000	49,000	40,000	27,500	74,000	65,500	58,000	50,500	40,500	27,000	
ME.....	17,600	15,000	12,400	10,100	7,100	4,400	15,800	13,300	10,700	8,100	5,300	2,700	
MI.....	5,500	4,300	3,200	2,300	1,300	400	4,600	3,500	2,400	1,700	900	300	
MN.....	11,400	10,300	8,700	7,100	5,100	3,000	8,900	7,900	6,900	6,000	4,300	2,000	
MT.....	2,200	2,100	2,000	1,970	1,400	300	2,020	1,950	1,900	1,800	1,200	65	
NE.....	1,800	1,550	1,350	1,050	620	350	1,550	1,050	850	670	320	150	
NY:													
Long Island.....	920	660	375	<sup>2</sup> 340	<sup>2</sup> 55	( <sup>2</sup> )	850	650	450	<sup>2</sup> 315	<sup>2</sup> 65	( <sup>2</sup> )	
Upstate.....	3,500	2,750	2,100	1,500	800	<sup>2</sup> 200	2,800	2,200	1,700	1,100	550	<sup>2</sup> 170	
ND.....	18,500	15,500	13,000	10,300	7,000	3,400	10,500	8,600	6,800	4,600	3,300	2,000	
OH.....	700	500	300	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	500	300	50	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	
OR.....	17,900	16,100	14,200	11,800	9,500	7,500	15,300	13,100	11,100	8,700	6,300	4,500	
PA.....	3,070	2,400	1,800	1,340	830	380	2,700	2,150	1,500	950	600	200	
WA.....	36,600	32,900	28,300	22,800	17,500	12,600	36,700	32,100	27,700	22,500	16,200	10,700	
WI.....	13,100	10,000	7,600	6,400	4,600	2,800	11,600	9,300	7,200	6,000	4,050	2,870	
15 State total.....	225,890	196,760	167,325	138,800	105,905	70,030	206,420	177,750	151,050	124,485	92,585	59,355	

<sup>1</sup> Preliminary.

<sup>2</sup> Combined to prevent possible disclosure of individual operations.

National Agricultural Statistics Service.

Table 231.—Potatoes: Utilization, United States, crop years 1980-87

Item	1980	1981	1982	1983	1984	1985	1986	1987 <sup>1</sup>
<b>SALES</b>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
	<i>cut.</i>	<i>cut.</i>	<i>cut.</i>	<i>cut.</i>	<i>cut.</i>	<i>cut.</i>	<i>cut.</i>	<i>cut.</i>
Table stock .....	98,066	111,976	120,232	107,295	113,187	125,006	109,331	129,097
For processing:								
Chips and shoestring .....	37,894	39,344	40,650	43,311	42,339	42,217	45,814	40,593
Dehydration .....	28,222	29,875	27,720	28,754	27,845	29,958	28,445	30,823
Frozen french fries .....	67,208	79,829	76,013	74,350	87,350	94,741	96,244	101,377
Other frozen products .....	13,673	16,812	17,290	19,655	20,322	17,856	15,708	18,305
Canned potatoes .....	2,054	2,469	2,743	2,137	2,589	2,971	2,790	2,958
Other canned products (hash, stews, soups) .....	1,993	1,700	1,839	1,991	1,834	1,610	1,308	1,597
Starch and flour .....	2,186	2,299	4,636	3,028	3,401	3,489	2,808	2,184
Total .....	153,230	172,328	170,891	171,226	185,680	192,842	193,117	197,837
Other sales:								
Livestock feed .....	3,903	3,583	6,308	3,734	4,662	8,098	3,992	3,808
Seed .....	19,089	20,393	19,418	20,870	22,752	19,895	20,700	21,023
Total .....	22,992	23,976	25,721	24,604	27,414	27,993	24,692	24,831
Total sales .....	274,288	308,280	316,844	303,125	326,281	345,841	327,140	351,765
<b>NON-SALES</b>								
Seed used on farms where grown .....	4,974	4,538	4,707	4,605	4,407	5,060	5,070	4,521
Household use .....	1,406	1,466	2,535	1,332	1,294	3,001	1,178	1,133
Shrinkage and loss .....	23,237	26,339	31,045	24,664	30,057	52,707	28,355	31,901
Total non-sales .....	29,617	32,343	38,287	30,601	35,758	60,768	34,603	37,555
Total production .....	303,905	340,623	355,131	333,726	362,039	406,609	361,743	389,320

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 228

<sup>1</sup> Preliminary.<sup>2</sup> Estimates discontinued after the 1986 crop.

National Agricultural Statistics Service.

Table 232.—Potatoes: Production, seed used, and disposition, by seasonal groups, crop of 1987 <sup>1</sup>

Season and State	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Winter:</b>					
CA.....	1,081	104		65	1,016
FL.....	1,420	212		9	1,411
Total.....	2,501	316		74	2,427
<b>Spring:</b>					
AL.....	700	76	1	11	688
AZ.....	1,348	106	4	27	1,317
CA.....	7,881	451	16	158	7,707
FL:					
Hastings.....	5,168	675	1	20	5,147
Other.....	399	65		3	396
LA.....	18	4	1	1	16
NC.....	2,544	187	21	76	2,447
TX.....	930	79	23	14	893
Total.....	18,988	1,643	67	310	18,611
<b>Summer:</b>					
AL.....	1,240	119	12	62	1,166
CA.....	2,208	137	16	89	2,103
CO.....	1,859	143	3	91	1,765
DE.....	1,680	126	7	67	1,606
IL.....	806	67	12	20	774
IA.....	360	25	7	28	325
MD.....	500	82	15	15	470
MI.....	2,160	226	69	143	1,948
MN.....	1,920	108	5	185	1,730
NE.....	675	48	31	62	582
NJ.....	1,254	95	7	38	1,209
NM.....	3,500	206	20	210	3,270
NC.....	173	20	23	6	144
TN.....	104	11	7	4	93
TX.....	2,420	124	5	50	2,365
VA.....	1,974	189	7	69	1,898
Total.....	22,833	1,671	246	1,139	21,448
<b>Fall:</b>					
CA.....	7,869	297	30	700	7,139
CO.....	19,500	1,410	920	1,870	16,710
CN.....	123	11	3	10	110
ID.....	99,710	7,000	1,431	7,996	90,283
IN.....	1,250	93	15	56	1,179
ME.....	23,240	1,863	700	2,250	20,290
MA.....	658	54	4	46	608
MI.....	9,720	702	241	1,137	8,342
MN.....	16,330	1,260	280	1,650	14,400
MT.....	2,370	148	85	275	2,010
NE.....	2,175	208	154	296	1,725
NV.....	2,720	160		330	2,390
NY:					
Long Island.....	2,425	168	5	140	2,280
Upstate.....	6,250	600	155	440	5,655
ND.....	24,050	2,170	340	3,310	20,400
OH.....	2,254	190	10	104	2,140
OR:					
Malheur County.....	2,788	142	10	200	2,578
Other counties.....	23,136	926	250	2,520	20,366
PA.....	4,730	409	140	330	4,260
RI.....	263	24	1	15	247
SD.....	2,310	165	40	180	2,090
UT.....	1,584	156	22	111	1,451
VT.....	66,960	2,645	300	4,500	62,160
WA.....	22,100	1,071	195	1,791	20,114
WI.....	483	42	10	121	352
WY.....					
Total.....	344,988	21,914	5,341	30,378	309,279
US.....	389,320	25,544	5,654	31,901	351,765

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 233.—Potatoes,<sup>1</sup> white: United States exports by country of destination and imports by country of origin, 1985-87**

Item and country	Year beginning October			Item and country	Year beginning October		
	1985	1986	1987		1985	1986	1987
<b>EXPORTS</b>				<b>EXPORTS</b>			
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Netherlands Antilles .....	47	66	96
Sweden .....	81	14	19	Trinidad and Tobago .....	30	96	0
United Kingdom .....	3	54	0	Total <sup>2</sup> .....	1,081	1,055	1,012
Other countries .....	19	0	18				
Total <sup>2</sup> .....	103	68	37	Other countries:			
Latin America:				Canada <sup>3</sup> .....	34,638	46,548	31,070
Mexico .....	3,794	1,535	2,140	Hong Kong .....	384	209	540
Other countries .....	136	38	25	Saudi Arabia .....	19	63	0
Total <sup>2</sup> .....	3,930	1,573	2,165	Singapore .....	60	142	228
				Other countries .....	258	39	174
Bermuda and Caribbean:				Total <sup>2</sup> .....	35,359	47,001	32,012
Bahamas .....	199	331	629	Grand total <sup>2</sup> .....	40,473	49,698	35,226
Barbados .....	96	117	89				
Bermuda .....	49	14	56	<b>IMPORTS</b>			
Cayman Islands .....	0	11	0	Certified seed:			
Dominican Republic .....	79	97	123	Canada .....	28,019	42,848	42,223
Jamaica .....	269	227	0	Other potatoes:			
Leeward and Windward Islands .....	312	96	19	Canada .....	106,036	181,891	175,095

<sup>1</sup> Includes seed potatoes.

<sup>2</sup> Totals may not add due to rounding.

<sup>3</sup> U.S. exports to Canada must be adjusted upward approximately 50% due to underreporting of actual shipments. Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 234.—Potatoes: Foreign trade, United States, 1974-87**

Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1974 .....	1,453	4,545	1979 .....	1,141	2,336	1984 .....	2,278	1,354
1975 .....	691	9,317	1980 .....	2,412	2,459	1985 .....	3,728	830
1976 .....	806	11,617	1981 .....	3,214	2,581	1986 .....	2,283	1,142
1977 .....	955	3,630	1982 .....	1,144	1,932	1987 .....	3,948	783
1978 .....	703	3,025	1983 .....	2,073	1,731			

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 235.—Sweet potatoes: Area, yield, production, season average price per hundredweight received by farmers, and value, United States, 1974–88**

Year	Area harvested	Yield per acre	Production	Price <sup>1</sup>	Value of production	Year	Area harvested	Yield per acre	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974	118.1	113	13,339	7.34	98,228	1982	115.4	129	14,833	8.03	118,864
1975	114.3	113	12,891	8.59	110,758	1983	102.4	118	12,083	13.60	165,265
1976	114.8	116	13,273	7.50	99,054	1984	103.5	125	12,986	14.00	182,191
1977	107.1	111	11,885	10.50	24,859	1985	105.3	141	14,853	8.81	130,450
1978	112.2	117	13,115	10.60	139,226	1986	93.4	136	12,674	10.90	138,551
1979	114.2	117	13,370	8.92	119,093	1987	93.3	129	12,064	11.60	138,771
1980	102.2	107	10,953	13.60	148,359	1988 <sup>2</sup>	89.8	128	11,457	13.50	160,184
1981	109.8	117	12,799	13.60	174,748						

<sup>1</sup> Obtained by weighting State prices by quantity sold.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 236.—Taro: Area, yield, production, price, and value, Hawaii, 1974–88**

Year	Area harvested <sup>1</sup>	Yield per acre	Production	Price per pound	Value of production	Year	Area harvested <sup>1</sup>	Yield per acre	Production	Price per pound	Value of production
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974	460	19.2	8,835	0.102	901	1982	350	18.5	6,460	.224	1,447
1975	460	16.5	7,592	.112	850	1983	370	14.7	5,440	.226	1,229
1976	460	16.0	7,350	.121	889	1984	370	17.1	6,310	.219	1,382
1977	470	16.7	7,870	.127	999	1985	400	17.2	6,860	.230	1,578
1978	450	17.1	7,680	.134	1,029	1986	390	16.2	6,330	.231	1,462
1979	405	16.4	6,640	.164	1,089	1987	400	15.8	6,300	.266	1,676
1980	320	20.0	6,400	.200	1,280	1988 <sup>2</sup>	420	16.2	6,800	.280	1,904
1981	340	17.9	6,100	.214	1,305						

<sup>1</sup> Average during the year.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.



**Table 237.—Sweet potatoes: Area, production, and season average price per hundredweight received by farmers, by States, 1986-88**

State	Area harvested			Production			Price for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
AL.....	6.3	6.7	6.8	693	737	782	14.00	13.00	17.60
CA.....	6.8	6.6	7.1	1,360	1,353	1,207	11.70	20.40	13.90
GA.....	5.8	5.2	5.2	754	780	832	12.70	12.70	19.60
LA.....	20.0	19.0	17.0	2,500	2,470	2,465	6.60	7.15	8.00
MD.....	.9	.8	.9	117	112	135	9.75	11.50	15.90
MS.....	5.2	4.5	3.5	520	495	350	8.50	10.60	11.00
NJ.....	2.0	2.0	2.3	220	240	173	19.60	16.60	21.70
NC.....	34.0	35.0	34.0	5,100	4,550	4,420	11.40	10.00	13.50
SC.....	4.0	4.5	3.9	420	405	390	12.50	11.10	14.20
TN.....	.9	.8	.8	99	88	72	11.70	14.50	16.50
TX.....	6.6	7.3	7.4	792	730	518	14.80	15.90	20.90
VA.....	.9	.9	.9	99	104	113	7.25	6.00	7.50
US.....	93.4	93.3	89.8	12,674	12,064	11,457	10.90	11.60	13.50

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 238.—Sweet potatoes: Production, seed used, and disposition, United States, 1974-88**

Year	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1974.....	13,339	792	1,285	696	11,358
1975.....	12,891	876	1,244	625	11,022
1976.....	13,273	769	1,244	976	11,053
1977.....	11,885	916	1,176	548	10,161
1978.....	13,115	1,017	1,286	627	11,202
1979.....	13,370	925	1,242	711	11,417
1980.....	10,953	924	1,092	534	9,327
1981.....	12,799	1,108	1,373	582	10,894
1982.....	14,833	989	1,693	772	12,868
1983.....	12,083	1,043	1,176	564	10,343
1984.....	12,902	1,043	1,245	527	11,130
1985.....	14,573	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
1986.....	12,368				
1987.....	11,611				
1988.....	11,457				

<sup>1</sup> Estimates discontinued.

National Agricultural Statistics Service.

**Table 239.—Tomatoes, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1974–88**

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Area harvested	Yield per acre	Production <sup>1</sup>	Value <sup>3</sup>	
				Per cwt.	Total				Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974	124,160	162	20,081	17.30	347,415	387,700	20.79	7,019,850	64.50	453,022
1975	124,680	169	21,114	18.70	393,866	384,250	22.13	8,503,750	63.20	537,452
1976	127,590	171	21,772	19.10	416,562	308,960	20.95	6,471,750	58.00	375,407
1977	124,420	160	19,895	20.60	409,230	346,660	22.44	7,779,150	64.10	498,372
1978	130,220	172	22,408	19.70	440,379	295,560	21.54	6,367,700	64.20	408,950
1979	125,200	186	23,292	22.50	524,823	312,030	23.49	7,329,510	67.60	495,476
1980	126,250	201	25,393	20.70	524,919	263,030	23.61	6,210,590	61.00	378,853
1981	126,960	205	25,981	21.40	555,770	253,920	22.51	5,716,130	67.50	385,632
1982	119,690	224	26,769	22.50	603,551	295,300	24.72	7,298,990	71.60	522,422
1983	123,300	221	27,237	24.10	656,390	292,020	24.07	7,029,840	68.40	480,926
1984	122,880	229	28,189	25.60	722,098	291,870	26.32	7,681,160	67.40	517,488
1985	124,580	240	29,898	24.20	722,195	265,500	27.03	7,177,130	66.30	475,709
1986	127,110	248	31,554	25.10	792,376	252,060	29.33	7,393,290	63.90	472,538
1987	130,500	246	32,099	26.00	835,618	257,100	29.57	7,602,000	59.10	449,080
1988 <sup>4</sup>	141,000	253	35,685	26.80	957,706	274,920	26.95	7,409,920	60.70	449,797

<sup>1</sup> For fresh market, excluding the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight); 44 in 1977. For processing, excluding 200,000 tons not marketed in 1976.

<sup>2</sup> Price and value of f.o.b. basis.

<sup>3</sup> Price and value at processing plant door.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 240.—Tomatoes, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1986-88

Utilization and State	Area			Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
<b>FOR FRESH MARKET</b>									
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AL.....	2,800	3,500	3,100	280	350	357	17.00	16.80	19.00
AR.....	1,600	1,000	1,100	400	290	319	22.40	31.70	43.50
CA:									
Desert.....	1,400	1,100	1,100	322	242	352	29.80	30.90	30.90
Other.....	27,200	28,400	36,400	7,616	8,236	8,554	22.50	21.30	29.60
FL.....	52,300	55,300	58,000	15,952	16,590	18,850	27.90	29.50	25.20
GA.....	2,700	2,900	2,900	270	319	522	19.70	25.20	22.30
IN.....	1,100	1,200	1,100	165	192	165	23.00	23.50	30.00
LA.....	380	370	380	38	44	46	36.00	44.70	44.00
MD.....	2,400	2,600	2,500	480	481	338	16.00	22.70	33.00
MA.....	590	580	570	127	125	105	55.00	65.00	55.00
MI.....	3,000	2,800	2,400	285	252	204	21.90	20.30	34.00
NJ.....	6,200	6,100	5,800	682	580	406	23.10	25.70	32.50
NY.....	2,200	2,100	2,400	286	315	384	29.90	32.80	45.40
NC.....	1,600	1,500	1,400	256	218	196	15.20	17.80	20.70
OH.....	2,500	2,700	2,200	675	419	275	25.70	18.10	21.40
PA.....	4,200	4,500	4,900	609	720	686	17.20	15.80	20.70
SC.....	4,000	3,600	3,700	1,200	882	1,480	16.50	20.20	18.20
TN.....	5,000	4,600	4,600	1,050	828	828	20.00	23.00	28.00
TX.....	3,000	2,600	3,200	240	260	288	24.10	25.70	23.40
VA.....	2,700	2,800	3,000	554	686	1,260	28.70	21.80	32.10
Total.....	126,870	130,250	140,750	31,487	32,029	35,615	25.10	26.00	26.80
HI.....	240	250	250	67	70	70	41.00	42.60	48.50
US <sup>2</sup> .....	127,110	130,500	141,000	31,554	32,099	35,685	25.10	26.00	26.80
<b>FOR PROCESSING</b>									
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA.....	210,400	214,000	226,100	6,480,320	6,702,480	6,547,860	62.20	57.20	58.90
CO.....	650	590	680	10,840	7,590	12,340	67.60	84.20	72.70
DE.....			1,000			6,720			74.10
IN.....	6,400	6,700	7,500	138,110	156,850	156,150	81.10	75.30	80.90
MD.....	1,800	1,700	2,700	24,800	22,420	24,300	69.60	78.00	74.90
MI.....	5,400	5,000	5,200	133,380	118,500	112,320	76.00	69.20	68.20
NJ.....	3,000	2,900	3,800	52,260	56,260	41,910	72.80	72.00	75.00
NY.....			2,800			39,190			76.40
OH.....	14,800	16,000	17,700	384,800	368,000	359,310	74.30	71.70	71.60
PA.....	2,900	2,100	2,000	51,100	29,690	27,860	72.50	75.60	75.90
Other States <sup>3</sup> .....	6,710	8,110	6,440	117,680	140,210	81,960	81.30	75.70	81.00
US.....	252,060	257,100	274,920	7,393,290	7,602,020	7,409,920	63.90	59.10	60.70
Grand total.....	379,170	387,600	415,920	8,970,990	9,206,950	9,194,170	141.00	140.00	153.00

<sup>1</sup> Preliminary.<sup>2</sup> Due to program modifications, yearly data are only available.<sup>3</sup> 1986-87—Delaware, Florida, Illinois, Iowa, New Mexico, New York, North Carolina, South Carolina, Texas, Utah, and Virginia. 1988—Florida, Illinois, Iowa, South Carolina, Texas, and Virginia.

National Agricultural Statistics Service.

Table 241.—Tomatoes: Foreign trade, United States, 1974-87

Year beginning July	Imports			Domestic exports				
	Fresh	Canned <sup>1</sup>	Paste	Fresh	Canned <sup>2</sup>	Catsup and sauces	Paste <sup>2</sup>	Juice
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1974 .....	543,734	64,774	25,811	194,183	23,015	19,049	44,535	23,442
1975 .....	629,975	76,531	30,925	199,072	34,293	39,283	24,945	38,094
1976 .....	791,134	74,505	73,957	178,395	24,199	14,967	20,937	48,524
1977 .....	828,748	75,873	56,538	199,556	26,457	16,563	31,636	37,582
1978 .....	710,578	56,944	50,085	239,715	29,564	17,019	23,568	28,742
1979 .....	687,575	31,380	31,602	256,061	44,489	21,717	40,661	26,204
1980 .....	282,484	54,491	29,415	222,154	32,501	26,662	28,064	36,607
1981 .....	686,672	156,844	182,734	189,332	25,826	26,676	17,575	30,351
1982 .....	493,958	151,296	151,980	173,975	16,638	26,651	24,234	18,944
1983 .....	784,787	245,126	179,479	170,878	13,900	20,274	22,877	8,637
1984 .....	836,108	233,553	94,384	150,085	12,335	21,210	18,866	1,392
1985 .....	915,963	199,405	139,080	133,022	17,136	16,724	18,601	1,288
1986 .....	962,270	168,705	111,695	141,414	10,058	19,472	17,975	1,468
1987 .....	767,546	173,323	100,634	156,373	8,408	27,831	21,286	1,626

<sup>1</sup> Includes "otherwise prepared," if any.

<sup>2</sup> Includes exports for military-civilian feeding abroad.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

## FOOTNOTES FOR TABLE 245

<sup>1</sup> Fresh vegetable consumption computed for total commercial production for fresh market, including an estimate for commercial production in States where estimates are not made separately. Does not include production for home use. Civilian consumption obtained by dividing the total apparent civilian consumption by total civilian population as reported by the Bureau of the Census. All data for calendar year, except dry field peas which are on a crop-year basis.

<sup>2</sup> Data series discontinued in 1982. Continued in 1984.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes table stock.

Economic Research Service.

Table 242.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1988 <sup>1</sup>

Commodity	Baltimore <sup>2</sup>			Boston <sup>3</sup>			New York <sup>3</sup>			Philadelphia		
	Rail, boat, and air	Motor-truck <sup>4</sup>	Total	Rail, boat, and air	Motor-truck <sup>4</sup>	Total	Rail, boat, and air	Motor-truck <sup>4</sup>	Total	Rail, boat, and air	Motor-truck <sup>4</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Vegetables:</b>												
Artichokes.....		19	19		23	23		23	23		8	8
Asparagus.....		40	40	1	64	65	8	55	63	1	49	50
Beans.....		75	75		126	126	4	108	112		60	60
Beets.....					15	15		23	23		4	4
Broccoli.....	30	171	201	179	165	344	320	175	495	147	151	298
Brussel sprouts.....		8	8		10	10		3	3			
Cabbage.....	5	334	339	8	424	432	57	292	349	13	275	288
Carrrots.....	69	153	222	469	266	735	652	229	881	146	164	310
Cauliflower.....	9	99	108	41	106	147	64	74	138	26	83	109
Celery.....	36	283	319	409	258	667	395	257	652	121	224	345
Chinese cabbage.....		14	14		41	41		7	7		10	10
Corn, sweet.....	10	202	212	27	244	271	24	175	199	41	104	145
Cucumbers.....		280	280	4	725	729	21	418	439	2	261	263
Eggplant.....		30	30		70	70	7	109	116		35	35
Escarole-endive.....		19	19		79	79	9	73	82		37	37
Garlic.....		2	2		7	7		21	21		5	5
Greens.....		81	81		171	171		156	156		89	89
Lettuce, iceberg.....	148	853	1,001	2,101	948	3,049	2,566	870	3,436	1,311	767	2,018
Lettuce, romaine.....	1	90	91	20	216	236		90	90		83	83
Lettuce, other.....		94	94	9	247	256		60	60		54	54
Mixed vegetables.....	36		36	122		122	218		218	69		69
Mushrooms.....		12	12		121	121		83	83		25	25
Okra.....		1	1					2	17			
Onions, dry.....	148	463	611	404	667	1,071	916	485	1,401	194	400	594
Onions, green.....	8	33	41	17	56	73	105	65	170	10	24	34
Parsley.....		10	10		27	27		19	19		11	11
Peas, green.....		3	3		4	4		15	15		3	3
Peas, other.....		2	2	2	9	11	5	7	12			
Peppers, bell.....		225	225	11	503	514	37	388	425	6	261	267
Peppers, other.....					14	14	4	13	17		2	2
Potatoes, table.....	239	1,143	1,382	1,175	2,030	3,205	2,670	921	3,591	734	958	1,692
Potatoes, chipper.....	3	165	168	12	46	58	11		11			
Potatoes, seed.....											2	2
Pumpkins.....		8	8		4	4	3		3		7	7
Radishes.....		26	26	4	54	58		44	44		22	22
Spinach.....		17	17		116	116		51	51		10	10
Squash.....		92	92		371	371	8	185	193		65	65
Sweet potatoes.....		64	64		103	103		100	100		53	53
Tomatoes.....	18	664	682	217	1,028	1,245	249	743	992	109	567	676
Tomatoes, cherry.....		44	44		60	60		25	25		35	35
Turnips-rutabagas.....		6	6		51	51		16	16		13	13
Vegetables, other.....							6	11	17			
<b>Total.....</b>	<b>760</b>	<b>5,825</b>	<b>6,585</b>	<b>5,232</b>	<b>9,469</b>	<b>14,701</b>	<b>8,361</b>	<b>6,406</b>	<b>14,767</b>	<b>2,930</b>	<b>4,861</b>	<b>7,791</b>
<b>Melons:</b>												
Cantaloups.....	8	389	397	154	477	631	352	455	807	113	268	381
Honeydews.....	1	168	169	22	180	202	51	276	327	17	135	152
Mixed and miscellaneous.....		12	12	13	15	28	51	21	72	13	16	29
Watermelons.....	54	353	407	149	704	853	697	777	1,474	177	412	589
<b>Total.....</b>	<b>63</b>	<b>922</b>	<b>985</b>	<b>338</b>	<b>1,376</b>	<b>1,714</b>	<b>1,151</b>	<b>1,529</b>	<b>2,680</b>	<b>320</b>	<b>831</b>	<b>1,151</b>
<b>Grand total.....</b>	<b>823</b>	<b>6,747</b>	<b>7,570</b>	<b>5,570</b>	<b>10,845</b>	<b>16,415</b>	<b>9,512</b>	<b>7,935</b>	<b>17,447</b>	<b>3,250</b>	<b>5,692</b>	<b>8,942</b>

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh vegetables and melons was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 274. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Includes Washington.

<sup>3</sup> Includes Newark.

<sup>4</sup> Estimated percentages of completeness for reported truck arrivals for 1986 are as follows: Baltimore 90, Boston 95, New York 85, and Philadelphia 90.

Agricultural Marketing Service.

Table 243.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1987<sup>1</sup>

Commodity	Atlanta			Chicago			Los Angeles			San Francisco <sup>2</sup>		
	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Vegetables:												
Artichokes.....				2	25	27		136	136		127	127
Asparagus.....	7	7			56	56	2	72	74	2	98	100
Beans.....	75	75			79	79		117	117		122	122
Beets.....					8	8		56	56		12	12
Broccoli.....	117	117		326	179	505		597	597		321	321
Brussel sprouts.....				5	7	12		35	35		25	25
Cabbage.....	398	398		11	412	423		932	932		383	383
Carrots.....	3	159	162	190	293	483		1,123	1,123		520	520
Cauliflower.....		50	50	78	134	212		322	322		121	121
Celery.....	1	141	142	432	299	731		1,706	1,706		421	421
Chinese cabbage.....		13	13		11	11	2	184	186	1	83	84
Corn, sweet.....		165	165		328	328		684	684		379	379
Cucumbers.....		163	163	4	302	306		558	558		278	278
Eggplant.....		2	2		25	25		106	106		71	71
Escarole-endive.....					17	17	3	37	40		12	12
Garlic.....	2	2			9	9		23	23		44	44
Greens.....	171	171			137	137		289	289		103	103
Lettuce, iceberg.....	815	815		399	1,227	1,626		2,277	2,277		1,210	1,210
Lettuce, romaine.....	31	31			47	47		391	391		145	145
Lettuce, other.....	37	37			63	63		355	355		220	220
Mixed vegetables.....				373		373						
Mushrooms.....		29	29		126	126		250	250		188	188
Okra.....		17	17		7	7		63	63		8	8
Onions, dry.....	61	848	909	421	905	1,326	5	2,172	2,177		1,175	1,175
Onions, green.....		27	27	5	45	50		149	149		186	186
Parsley.....					23	23		53	53		32	32
Peas.....								10	10		17	17
Peas, other.....		6	6		3	3	6	96	102		16	16
Peppers, bell.....		106	106	11	310	321	3	475	478	3	349	352
Peppers, other.....					27	27		255	255		31	31
Potatoes, table.....	326	1,293	1,619	441	2,422	2,863	194	5,422	5,616		2,044	2,044
Potatoes, chipper.....	1	335	336		218	218					477	477
Potatoes, seed.....												
Pumpkins.....		19	19		13	13		10	10		18	18
Radishes.....		15	15		31	31		191	191		87	87
Spinach.....		18	18		68	68		182	182		127	127
Squash.....		104	104		85	85		474	474		291	291
Sweet potatoes.....		113	113		174	174		116	116		114	114
Tomatoes.....		605	605	34	1,064	1,098		2,488	2,488		884	884
Tomatoes, cherry.....		21	21		28	28		93	93		48	48
Turnips-rutabagas.....		35	35		5	5		83	83		22	22
Vegetables, other.....							2	69	71		12	12
Total.....	392	5,937	6,329	2,732	9,212	11,944	217	22,651	22,868	6	10,721	10,727
Melons:												
Cantaloups.....		309	309					1,073	1,073		586	586
Honeydews.....		73	73	138	185	323		692	692		244	244
Mixed and miscellaneous.....				59	38	97		134	134		93	93
Watermelons.....		493	493	26	678	704		1,521	1,521		505	505
Total.....	0	875	875	223	901	1,124	0	3,420	3,420	0	1,423	1,428
Grand total.....	392	6,812	7,204	2,955	10,113	13,068	217	26,071	26,288	6	12,149	12,155

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh vegetables and melons was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 274. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Includes Oakland.

<sup>3</sup> Estimated percentages of completeness for reported truck arrivals for 1986 are as follows: Atlanta 85, Chicago 90, Los Angeles 90, and San Francisco 90.

Agricultural Marketing Service.

Table 244.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 1988 <sup>1</sup>

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Vegetables:</b>													
Artichokes.....	19	60	115	297	135	32	35	23	32	48	32	57	885
Asparagus.....	5	94	431	431	279	90	1	1	4	22	4	119	1,362
Beans.....	137	116	126	197	185	99			11	59	137	14	1,186
Beets.....	18	16	24	18	4					1	8		108
Broccoli.....	899	876	677	920	745	630	521	500	389	765	800	820	8,562
Cabbage.....	1,369	1,175	1,534	1,235	957	448	374	895	742	610	738	1,144	11,221
Carrots.....	1,124	1,159	1,460	1,388	1,379	1,318	1,156	934	912	1,036	1,208	1,299	14,373
Cauliflower.....	512	530	441	639	550	454	382	349	247	504	453	490	5,551
Celery.....	1,281	1,299	1,550	1,066	1,353	1,577	1,072	981	850	1,381	1,803	1,663	15,376
Chinese cabbage.....	31	21	25	18	9	2					1	18	125
Corn, sweet.....	98	79	186	461	2,014	1,375	628	674	247	109	113	101	6,085
Cucumbers.....	124		121	632	1,096	592	275	560	549	640	657	257	5,503
Eggplant.....	50	25	23	32	60	53	22	4	3	30	57	45	404
Escarole- endive.....	77	62	57	49	29					4	39	57	374
Greens.....	230	216	226	155	37	2			2	10	63	167	1,108
Lettuce, iceberg.....	4,120	5,431	4,959	4,859	5,515	5,390	4,741	4,968	3,981	5,714	4,269	4,403	58,350
romaine.....	218	212	234	238	281	250	286	301	220	308	287	351	3,136
Lettuce, other.....	184	187	192	219	255	231	232	285	210	286	234	291	2,806
Mixed vegetables.....	71	81	144	143	151	131	131	139	77	84	82	89	1,323
Okra.....	6	10	4	9	33	24	10	4	4	8	21	12	145
Onions, dry.....	2,614	1,994	1,898	2,077	2,952	2,679	2,534	2,705	2,987	2,789	2,653	2,730	30,607
Onions, green.....	18	23	28	27	54	67	77	77	56	78	34	35	574
Parsley.....	37	31	31	24	10						16	37	186
Peas, other.....	2	1	2	3	5	2	1	1		1	3	3	24
Peppers, bell.....	265	231	319	477	677	743	570	362	454	636	638	498	5,870
Peppers, other.....	35	23	35	48	44	36	19	5	4	8	33	42	332
Potatoes, table.....	9,733	8,878	10,418	8,990	8,692	9,091	7,670	7,807	9,107	8,902	9,902	9,814	109,004
Potatoes, chipper.....	1,890	1,810	1,901	2,685	3,738	2,334	1,088	1,504	1,500	1,734	1,783	1,977	23,944
Potatoes, seed.....	494	553	1,626	4,345	537	375				73	92	605	8,700
Radishes.....	89	91	111	131	90	39	19	20	14	68	115	123	910
Spinach.....	114	84	81	34	47	49	45	49	36	54	53	88	734
Squash.....	146	105	204	344	229	52	8	3	9	142	266	175	1,683
Sweet potatoes.....	310	278	395	264	176	31	49	116	282	381	798	493	3,573
Tomatoes.....	1,500	1,272	1,687	2,193	3,323	2,970	2,463	1,855	1,734	2,539	2,218	2,318	26,072
Tomatoes, cherry.....	25	15	20	27	62	74	66	34	21	23	61	48	476
Turnips- rutabagas.....	10	10	8	5	17	7	1			5	8	10	81
Vegetables, other <sup>2</sup> .....													0
<b>Total.....</b>	<b>27,765</b>	<b>27,048</b>	<b>31,288</b>	<b>34,680</b>	<b>35,770</b>	<b>31,307</b>	<b>24,426</b>	<b>25,156</b>	<b>24,684</b>	<b>29,052</b>	<b>29,679</b>	<b>30,393</b>	<b>351,248</b>
<b>Melons:</b>													
Cantaloups.....			2		1,541	3,694	2,523	3,272	1,897	1,161	494	2	14,586
Honeydews.....		15	70	27	369	1,141	765	1,038	952	417	157	10	4,961
Mixed and miscellane- ous.....					4	107	203	212	76	30	14	1	647
Watermelons.....				17	3,307	8,779	5,759	2,397	581	108	94	27	21,019
<b>Total.....</b>	<b>0</b>	<b>15</b>	<b>72</b>	<b>44</b>	<b>5,221</b>	<b>13,721</b>	<b>9,250</b>	<b>6,919</b>	<b>3,456</b>	<b>1,716</b>	<b>759</b>	<b>40</b>	<b>41,213</b>
<b>Grand total.....</b>	<b>27,765</b>	<b>27,063</b>	<b>31,360</b>	<b>34,724</b>	<b>40,991</b>	<b>45,028</b>	<b>33,676</b>	<b>32,075</b>	<b>28,140</b>	<b>30,768</b>	<b>30,438</b>	<b>30,433</b>	<b>392,461</b>

<sup>1</sup> Use of car/carlot equivalents for reporting shipments of fresh vegetables was discontinued at the close of calendar year 1977. Rail and boat shipment totals of specified commodities for 1963-1977 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 275.

<sup>2</sup> Not otherwise specified.

Agricultural Marketing Service.

**Table 245.—Vegetables (fresh), melons, potatoes, sweet potatoes, dry edible beans, and dry field peas: Per capita civilian utilization (farm-weight basis), United States, 1974–88<sup>1</sup>**

Year	Tomatoes	Asparagus	Broccoli	Carrots	Lettuce
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1974.....	11.8	0.4	0.8	6.9	23.5
1975.....	12.0	.4	1.0	6.4	23.5
1976.....	12.6	.4	1.1	6.4	24.2
1977.....	12.4	.3	1.2	5.1	25.8
1978.....	13.2	.3	1.1	5.6	25.6
1979.....	12.8	.3	1.4	6.4	25.9
1980.....	13.4	.3	1.6	7.0	26.8
1981.....	13.2	.3	1.8	7.1	25.7
1982.....	13.4	(2)	2.2	7.3	25.6
1983.....	13.7	(2)	2.3	7.5	25.6
1984.....	15.3	.4	2.7	7.9	26.0
1985.....	16.1	.5	2.9	7.6	24.9
1986.....	17.2	.6	3.5	11.3	25.3
1987.....	16.9	.6	3.6	14.4	26.8
1988 <sup>2</sup> .....	17.8	.6	4.2	11.8	27.7

  

Year	Cauliflow- er	Celery	Corn	Onions
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1974.....	0.8	7.4	7.7	13.9
1975.....	.9	6.9	7.8	13.4
1976.....	1.0	7.4	8.0	13.1
1977.....	1.1	7.0	7.6	13.5
1978.....	.9	7.3	7.3	13.7
1979.....	1.3	7.4	7.2	14.7
1980.....	1.3	7.8	7.2	13.7
1981.....	1.6	7.7	7.1	12.7
1982.....	1.6	7.8	7.1	16.0
1983.....	1.7	7.4	7.3	15.2
1984.....	2.2	7.5	7.6	16.4
1985.....	2.3	7.4	7.6	16.9
1986.....	2.7	7.0	7.2	17.1
1987.....	2.7	7.1	7.3	17.1
1988 <sup>2</sup> .....	2.9	7.7	6.8	18.0

  

Year	Honeydew melons	Total vegetables and melons	Potatoes <sup>4</sup>	Sweet potatoes
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1974.....	1.1	74.2	49.4	4.9
1975.....	1.1	73.5	52.6	5.4
1976.....	1.1	75.3	49.4	5.3
1977.....	1.1	75.2	50.1	4.8
1978.....	1.6	76.5	46.1	5.0
1979.....	1.7	79.1	49.6	5.1
1980.....	1.5	80.5	51.1	4.5
1981.....	1.6	79.3	45.7	4.9
1982.....	2.0	82.3	46.6	5.5
1983.....	1.9	82.5	49.9	4.6
1984.....	1.9	87.6	48.8	5.0
1985.....	2.2	88.0	46.6	5.5
1986.....	2.6	95.3	49.6	5.0
1987.....	2.7	98.5	47.1	5.1
1988 <sup>2</sup> .....	2.5	100.3	52.3	4.8

See footnotes on page 174.



Table 246.—Vegetables, canned: United States pack (24/303 basis) of selected items, 1974-88

Year	Aspara- gus	Beans, lima	Beans, snap	Beets	Carrots	Sweet corn	Peas, green	Pickles	Toma- toes <sup>1</sup>
	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases
1974.....	5,643	2,523	62,319	14,819	7,198	46,431	33,120	66,864	43,794
1975.....	3,551	3,729	55,390	13,394	5,035	57,458	35,172	75,516	53,465
1976.....	3,609	2,812	47,421	9,164	5,327	54,694	31,927	70,986	42,614
1977.....	3,705	2,657	54,494	11,348	5,973	56,300	30,238	69,871	54,124
1978.....	3,382	3,356	57,121	12,834	6,609	57,907	25,269	76,770	49,241
1979.....	2,819	3,061	66,281	14,990	6,928	60,022	36,492	74,925	52,896
1980.....	2,535	2,833	59,689	11,322	5,084	50,574	30,056	68,227	53,096
1981.....	2,844	2,602	52,808	9,555	4,639	57,949	27,296	64,443	51,937
1982.....	2,727	2,275	48,832	11,034	6,222	60,522	24,790	n.a.	42,968
1983.....	2,549	2,338	46,506	9,035	4,958	51,595	20,827	n.a.	37,597
1984.....	2,928	2,316	52,089	9,292	4,832	56,879	23,312	69,243	43,170
1985.....	3,097	1,966	55,503	9,386	4,787	55,729	23,306	77,776	37,485
1986.....	3,154	1,738	48,939	9,042	4,321	55,090	20,919	71,630	38,438
1987.....	3,361	1,326	56,081	12,127	5,249	59,117	23,057	71,170	44,634
1988 <sup>2</sup> .....	3,846	1,267	46,610	8,519	4,505	50,831	12,494	72,977	50,626

<sup>1</sup> Data does not include concentrated crushed tomatoes published by California League of Processed Foods. Starting in 1984. <sup>2</sup> Preliminary.  
n.a. not available.

Economic Research Service. Compiled mainly from reports of the National Food Processors Association.

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FOOTNOTES FOR TABLE 251

<sup>1</sup> Preliminary.

Economic Research Service.

Table 247.—Vegetables, canned: Per capita utilization (farm weight), United States, 1974-88 <sup>1</sup>

Year	Asparagus	Snap beans	Carrots	Peas	Tomato products <sup>2</sup>
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1974.....	0.5	4.2	1.0	2.9	61.3
1975.....	.6	3.9	.9	2.8	61.9
1976.....	.5	4.2	1.0	2.9	65.6
1977.....	.4	4.1	1.0	3.0	62.8
1978.....	.4	4.2	.9	2.9	58.8
1979.....	.3	4.2	1.0	2.6	64.3
1980.....	.4	4.1	.9	2.7	63.6
1981.....	.4	4.2	.9	2.7	59.3
1982.....	n.a.	4.2	.8	2.5	60.1
1983.....	n.a.	4.0	.8	2.4	60.8
1984.....	n.a.	3.6	1.1	2.0	68.4
1985.....	.3	3.7	.9	2.0	63.1
1986.....	.3	3.8	.8	2.2	63.4
1987.....	.3	3.7	.8	2.0	64.6
1988 <sup>3</sup> .....	.3	3.6	.9	1.7	61.0

Year	Corn	Pickles	Total <sup>4</sup>
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1974.....	13.5	5.7	89.1
1975.....	12.0	6.2	88.4
1976.....	13.1	6.1	93.4
1977.....	14.1	5.9	91.4
1978.....	13.2	6.0	86.4
1979.....	12.5	5.9	90.7
1980.....	12.9	5.6	90.2
1981.....	12.1	n.a.	79.6
1982.....	11.4	n.a.	79.0
1983.....	11.5	n.a.	79.5
1984.....	10.1	n.a.	85.2
1985.....	11.7	5.8	87.5
1986.....	11.9	5.3	83.8
1987 <sup>3</sup> .....	10.5	5.1	83.3
1988 <sup>3</sup> .....	10.1	5.2	82.8

<sup>1</sup> Excludes soups and baby food. Civilian consumption only.

<sup>2</sup> Includes paste, catsup, chili sauce, puree, and tomatoes.

<sup>3</sup> Preliminary.

<sup>4</sup> Totals may not add due to rounding.

n.a. not available.

Economic Research Service.

FOOTNOTES FOR TABLE 252

<sup>1</sup> See table 249 for items included. Excludes melons.

<sup>2</sup> Excludes dehydrated onions.

<sup>3</sup> See tables 246 and 251 for items included. Data include pickles and sauerkraut in bulk; exclude canned and frozen potatoes, canned sweet potatoes, canned baby foods, and canned soups.

<sup>4</sup> Preliminary.

Economic Research Service.

Table 248.—Vegetables, frozen: Commercial pack, United States, 1979-88

Commodity	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Artichokes.....	1,790	984	1,693	1,419	1,075	1,643	1,202	1,417	1,451	1,052
Asparagus.....	23,989	11,232	11,289	16,958	13,599	15,049	19,990	18,008	16,725	18,055
Beans, butter.....	3,876	4,544	8,630	8,896	.....	7,901	6,671	7,040	5,713	6,373
Beans, green, regular cut.....	162,000	155,996	160,020	190,658	162,699	158,413	179,349	170,694	159,027	145,187
Beans, green, French cut.....	91,686	71,713	78,639	82,485	78,825	81,355	82,544	63,892	67,297	65,138
Beans, green, wax.....	10,629	8,744	9,227	8,283	7,387	8,487	10,034	5,386	4,379	5,465
Beans, green, Italian.....	19,213	16,855	15,443	20,355	19,954	22,665	24,511	25,430	24,819	20,519
Beans, whole.....	9,022	7,473	9,534	11,886	14,308	20,275	19,576	22,130	26,426	25,661
Beans, baby lima.....	82,775	52,788	67,848	91,781	85,162	82,985	84,567	71,644	75,399	76,447
Beans, lima, Fordhook.....	41,498	33,120	21,356	31,941	28,055	39,494	32,490	29,211	26,951	20,911
Broccoli.....	298,618	290,657	306,755	333,516	285,358	365,764	356,806	324,519	312,460	289,446
Brussels sprouts.....	61,353	63,966	62,162	52,980	41,354	50,449	44,735	37,990	45,660	49,787
Carrots.....	269,080	191,151	269,845	296,679	212,500	255,585	254,586	270,363	294,596	294,673
Cauliflower.....	101,130	84,766	105,161	111,644	100,541	102,106	94,617	89,120	77,758	78,762
Celery.....	17,494	8,729	11,762	12,764	13,497	17,062	15,839	18,729	21,640	24,517
Collards.....	16,534	13,206	16,051	18,031	9,440	12,968	15,708	19,454	17,930	15,204
Corn, cut.....	310,648	270,531	313,982	455,714	367,272	323,977	360,297	364,891	433,158	423,339
Corn-on-cob.....	269,422	258,567	305,390	378,629	293,947	349,666	423,326	391,954	406,859	345,869
Kale.....	3,637	4,292	4,788	4,727	2,894	3,335	5,167	4,175	4,792	2,862
Mushrooms.....	14,193	14,708	22,074	23,443	24,539	24,457	28,669	32,410	37,372	27,350
Mustard greens.....	10,020	7,465	13,011	8,516	7,998	8,508	11,222	11,768	11,556	9,266
Okra.....	39,305	41,698	43,774	54,339	46,088	54,579	51,815	73,160	70,472	65,708
Onions.....	167,239	156,081	159,874	182,344	139,637	156,482	142,008	185,458	188,021	157,212
Peas, blackeye.....	21,099	20,933	33,404	23,821	22,926	28,207	31,675	22,586	29,003	30,158
Peas, green.....	427,461	315,577	333,888	404,830	354,480	423,740	485,985	373,605	400,231	358,779
Peppers, green and red.....	10,661	15,367	16,147	12,940	24,523	25,586	20,922	22,958	23,043	29,673
Potato products.....	4,089,732	3,853,156	4,236,239	4,377,228	4,509,905	4,732,894	5,118,102	5,149,148	5,287,634	5,763,671
Pumpkin and cooked squash.....	23,667	23,000	37,806	24,897	17,759	15,824	20,734	22,319	30,393	23,870
Rhubarb.....	7,899	8,444	6,483	6,767	3,402	5,271	6,647	6,108	6,211	8,082
Spinach.....	181,279	169,298	183,646	150,667	143,205	171,249	174,802	157,119	171,208	172,849
Squash, summer.....	38,149	36,737	46,833	65,179	62,738	66,467	67,458	75,994	70,999	69,961
Sweet potatoes and yams.....	14,981	16,135	19,993	20,822	9,719	13,749	18,677	13,683	11,871	20,044
Turnip greens.....	15,948	10,705	13,020	9,799	11,925	10,299	14,446	14,371	17,205	17,003
Turnip greens with turnips.....	23,210	21,321	19,243	19,759	23,290	19,215	20,639	19,417	16,513	21,919
Miscellaneous vegetables.....	7,922	9,890	7,682	14,411	7,208	5,252	3,144	6,399	8,291	12,608
Total.....	6,875,159	6,269,229	6,972,328	7,531,198	7,153,705	7,681,008	8,248,960	8,122,548	8,403,063	8,697,720

Economic Research Service. Data from American Frozen Food Institute.

Table 249.—Vegetables, frozen: Commercial pack, by kinds and regions, United States, 1988

Commodity	East and South <sup>1</sup>	Midwest <sup>2</sup>	West <sup>3</sup>	Northwest <sup>4</sup>	California	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Artichokes.....					1,052	1,052
Asparagus.....					<sup>5</sup> 18,055	18,055
Beans, butter.....	<sup>6</sup> 6,373					6,373
Beans, green, regular cut.....	54,008	30,481			60,698	145,187
Beans, green, French cut.....	30,069				35,069	65,138
Beans, wax.....		5,465				5,465
Beans, green, Italian.....			20,519			20,519
Beans, whole.....	10,024				15,637	25,661
Beans, baby lima.....		11,920			64,527	76,447
Beans, lima, Fordhook.....			20,911			20,911
Broccoli.....		33,768			255,678	289,446
Brussels sprouts.....					49,787	49,787
Carrots.....		72,478			222,195	294,673
Cauliflower.....				<sup>7</sup> 30,211	48,551	78,762
Celery.....					24,817	24,817
Collards.....	15,204					15,204
Corn, cut.....	27,141	91,130	305,068			423,339
Corn-on-cob.....	46,491	103,060	196,318			345,869
Kale.....	2,862					2,862
Mustard greens.....	9,266					9,266
Okra.....	65,708					65,708
Onions.....			157,212			157,212
Peas, blackeye.....	30,158					30,158
Peas, green.....	41,399	68,986			248,394	358,779
Peppers, green and red.....	7,874	21,799				29,673
Potato products.....		1,146,671	4,617,000			5,763,671
Pumpkins and cooked squash.....	<sup>8</sup> 23,870					23,870
Rhubarb.....			8,082			8,082
Spinach.....	69,870				102,979	192,849
Squash, summer.....	69,961					69,961
Sweet potatoes and yams.....	20,044					20,044
Turnip greens.....	17,003					17,003
Miscellaneous vegetables.....	<sup>9</sup> 12,608					12,608
Turnip greens with turnips.....	21,919					21,919
Mushrooms.....	27,350					27,350
Total.....	60,902	1,585,758	5,304,199	30,211	1,147,389	8,697,720

<sup>1</sup> Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Mississippi, Missouri, New Jersey, New Mexico, New York, North Carolina, Oklahoma, Pennsylvania, Tennessee, Texas, and Virginia. <sup>2</sup> Illinois, Indiana, Michigan, Minnesota, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. <sup>3</sup> California, Colorado, Idaho, Montana, Oregon, Washington, and Wyoming. <sup>4</sup> Idaho, Oregon, and Washington. <sup>5</sup> East, South, West, Washington, and California. <sup>6</sup> East, South, and West. <sup>7</sup> East, South, and Northwest. <sup>8</sup> East, South, Midwest, and West. <sup>9</sup> Regional packs not reported; allocated on basis of aggregate packs of other items.

Economic Research Service. Data from American Frozen Food Institute.

VEGETABLES

Table 250.—Frozen vegetables and potato products: Cold-storage holdings end of month, United States, 1987 and 1988

Month	Total green beans		Total broccoli		Total carrots		Total sweet corn	
	1987	1988	1987	1988	1987	1988	1987	1988
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	153,198	159,966	91,614	102,540	180,950	194,693	416,844	502,563
February .....	129,225	137,845	95,128	107,348	164,038	178,007	353,677	436,894
March .....	108,630	112,011	93,707	97,271	149,165	158,211	297,984	357,774
April .....	94,416	92,054	95,408	96,840	136,827	143,685	251,429	296,900
May .....	79,158	74,526	111,357	111,155	125,852	138,581	195,551	233,702
June .....	74,180	59,839	137,154	120,012	116,757	114,510	140,051	184,229
July .....	150,302	92,882	152,291	120,922	112,584	116,285	167,379	128,242
August .....	238,716	188,295	159,858	118,633	109,293	95,262	375,438	284,705
September .....	252,750	203,871	161,822	97,305	113,327	84,809	669,962	524,324
October .....	233,453	195,770	151,994	81,813	179,629	130,033	664,924	567,743
November .....	208,994	172,487	133,645	67,446	234,124	109,497	629,261	497,825
December .....	182,898	146,418	114,814	56,169	214,380	183,128	566,546	435,493

  

Month	Total lima beans		Cauliflower		Spinach		Brussels sprouts	
	1987	1988	1987	1988	1987	1988	1987	1988
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	59,171	50,241	75,045	80,694	34,806	45,533	27,114	33,915
February .....	49,711	42,578	70,932	79,416	28,399	36,884	23,197	29,291
March .....	44,881	36,009	61,274	68,371	59,843	68,289	20,822	26,107
April .....	36,433	29,462	53,163	61,043	109,894	95,217	18,647	22,924
May .....	32,603	22,798	44,482	51,534	106,485	90,358	15,648	20,435
June .....	27,525	18,266	39,125	44,947	102,802	88,287	13,480	18,302
July .....	21,073	11,630	41,504	41,432	91,579	74,067	11,768	15,330
August .....	37,249	22,443	41,790	40,898	80,678	67,238	10,326	13,832
September .....	74,202	63,250	54,158	37,703	75,266	57,116	11,845	14,922
October .....	76,934	62,875	67,873	55,045	72,070	53,397	26,434	24,511
November .....	67,615	51,396	76,161	66,262	62,689	44,896	33,634	33,274
December .....	55,869	41,827	79,879	63,398	50,811	35,045	36,701	37,136

  

Month	Total onions		Green peas		Total frozen vegetables		Total frozen potatoes	
	1987	1988	1987	1988	1987	1988	1987	1988
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	35,389	27,509	212,529	211,300	1,751,085	1,888,724	786,657	899,037
February .....	33,032	28,116	185,479	168,127	1,560,205	1,684,048	795,920	977,707
March .....	31,697	28,155	155,489	128,554	1,412,098	1,479,938	856,587	965,112
April .....	28,118	28,025	141,815	107,739	1,330,022	1,353,418	886,726	950,724
May .....	25,536	29,954	131,779	97,626	1,220,258	1,278,499	962,854	963,920
June .....	23,939	29,062	233,334	162,651	1,260,134	1,258,687	1,003,328	1,000,771
July .....	29,586	31,692	376,407	264,341	1,571,205	1,337,218	816,382	882,537
August .....	30,209	36,339	406,658	313,091	1,982,656	1,673,607	675,501	834,974
September .....	26,665	32,507	386,815	282,612	2,341,266	1,880,576	774,242	917,902
October .....	28,782	31,789	342,137	248,017	2,403,869	1,933,669	947,521	1,047,505
November .....	29,806	33,002	302,126	201,647	2,327,508	1,836,251	966,081	1,044,422
December .....	29,570	33,388	251,150	166,799	2,098,396	1,671,706	882,560	988,688

National Agricultural Statistics Service.

**Table 251.—Vegetables, frozen: Per capita utilization consumption (farm weight basis), United States, 1974–88**

Year	Leafy, green, and yellow vegetables				
	Asparagus	Snap beans	Carrots	Peas	Broccoli
	Pounds	Pounds	Pounds	Pounds	Pounds
1974.....	0.2	1.5	2.8	2.0	1.1
1975.....	.2	1.2	2.6	1.9	1.0
1976.....	.3	1.5	2.6	1.9	1.1
1977.....	.2	1.4	2.7	1.8	1.2
1978.....	.2	1.4	2.5	1.8	1.4
1979.....	.2	1.4	2.7	1.9	1.4
1980.....	.1	1.4	2.5	1.8	1.4
1981.....	.1	1.7	2.5	1.7	1.5
1982.....	n.a.	1.5	2.1	1.7	1.5
1983.....	n.a.	1.5	2.2	1.8	1.5
1984.....	.1	1.8	2.9	2.0	1.8
1985.....	.1	1.9	2.4	2.1	1.9
1986.....	.1	1.5	2.2	1.9	1.7
1987.....	.2	1.7	2.3	1.7	2.2
1988 <sup>1</sup> .....	.1	1.7	2.4	1.8	2.4

  

Year	Cauliflower	Corn, cut basis	Total vegetables excluding potatoes	Potato products	Grand total
	Pounds	Pounds	Pounds	Pounds	Pounds
1974.....	0.7	5.9	14.0	34.7	48.7
1975.....	.6	6.3	13.8	36.7	50.5
1976.....	.6	5.9	13.9	39.6	53.5
1977.....	.7	7.4	15.4	42.5	57.9
1978.....	.8	6.3	14.3	41.9	56.2
1979.....	.7	6.8	15.0	40.4	55.4
1980.....	.8	6.4	14.4	36.2	50.6
1981.....	.9	6.2	14.7	37.4	52.1
1982.....	.9	5.7	13.5	39.7	53.2
1983.....	.8	6.6	14.5	38.8	53.3
1984.....	.9	7.9	17.5	41.5	59.0
1985.....	.9	7.8	17.2	45.0	62.2
1986.....	.9	7.5	15.8	44.9	60.7
1987.....	.9	7.8	16.8	45.5	62.3
1988 <sup>1</sup> .....	.9	8.5	17.5	44.9	62.4

See footnotes on page 179.

**Table 252.—Commercially produced vegetables: Per capita utilization, United States, 1974–88**

Year	Farm weight equivalent					Percentage of annual total			
	Total fresh and processed	Fresh <sup>1 2</sup>	Processed <sup>3</sup>			Fresh	Processed		
			Total	Canning	Freezing		Total	Canning	Freezing
Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
1974.....	178.0	74.2	103.8	89.8	14.0	41.7	58.3	50.4	7.9
1975.....	176.2	73.5	102.7	88.9	13.8	41.7	58.3	50.5	7.8
1976.....	183.3	75.3	108.0	94.1	13.9	41.1	58.9	51.3	7.6
1977.....	182.8	75.2	107.6	92.2	15.4	41.1	58.9	50.4	8.4
1978.....	177.8	76.5	101.3	87.0	14.3	43.0	57.0	48.9	8.0
1979.....	185.3	79.1	106.2	91.2	15.0	42.7	57.3	49.2	8.1
1980.....	185.5	80.5	105.0	90.6	14.4	43.4	56.6	48.8	7.8
1981.....	174.0	79.3	94.7	80.0	14.7	45.6	54.4	46.0	8.4
1982.....	174.7	82.3	92.4	78.9	13.5	46.1	52.9	45.2	7.7
1983.....	176.6	82.5	94.1	79.6	14.5	46.7	53.3	45.1	8.2
1984.....	190.3	87.6	102.7	85.2	17.5	46.0	54.0	44.8	9.2
1985.....	192.7	88.0	104.7	87.5	17.2	45.7	54.3	45.4	8.9
1986.....	198.7	95.3	103.4	87.6	15.8	48.0	52.0	44.1	8.0
1987.....	202.3	98.5	103.8	87.0	16.8	48.7	51.3	43.0	8.3
1988 <sup>4</sup> .....	200.6	100.0	100.3	82.8	17.5	50.0	50.0	41.3	8.7

See footnotes on page 180.

## CHAPTER V

# STATISTICS OF FRUITS, TREE NUTS, AND HORTICULTURAL SPECIALTIES

For most fruits, production is estimated at two levels—total and utilized. Total production is the quantity of fruit harvested plus quantities which would have been acceptable for fresh market or processing but were not harvested or utilized because of economic and other reasons. Utilized production is the amount sold plus the quantities used on farms where grown and quantities held in storage. The difference between total and utilized production is the quantity of marketable fruit not harvested and fruit harvested but not sold or utilized because of economic and other reasons. Production relates to the crop produced on all farms, except for apples and strawberries. In accordance with Congressional enactment, the Department's estimates of apple production since 1938 have related only to commercial production. The estimates for strawberries cover production on area grown primarily for sale. Statistics on utilization of fruit by commercial processors refer to first utilization, not necessarily final utilization. For example, frozen fruit includes fruit which may later be used for preserves.

The price shown for each crop is a marketing year average price for all methods of sales. Prices for most fresh fruit are the average prices producers received at the point of first sale, commonly referred to as the "average price as sold." Since the point of first sale is not the same for all producers, prices for the various methods of sale are weighted by the proportionate quantity sold. For example, if in a given State part of the fruit crop is sold f.o.b. packed by growers, part sold as bulk fruit at the packinghouse door, and some sold retail at roadside stands, the fresh fruit average price as sold is a weighted average of the average price for each method of sale.

The annual estimates are checked and adjusted at the end of each marketing season on the basis of shipment and processing records from transportation agencies, processors, cooperative marketing associations, and other industry organizations. The estimates are reviewed (and revised if necessary) at 5-year intervals, when the Census of Agriculture data become available. The Department's available statistics are limited to the major tree fruits and nuts and to grapes, cranberries, and strawberries, and exclude some States where census data indicate production is of only minor importance.

**Table 253.—Fruits and planted nuts: Bearing area, United States, 1974-88**

Year	Citrus fruits <sup>1</sup>	Major deciduous fruits <sup>2</sup>	Miscellaneous fruits <sup>3</sup> <sup>4</sup>	Planted nuts <sup>5</sup>	Fruits and planted nuts
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
1974 .....	1,177.8	1,577.8	187.1	421.7	3,314.4
1975 .....	1,181.3	1,616.2	135.2	441.9	3,374.6
1976 .....	1,178.6	1,665.9	138.0	455.1	3,437.6
1977 .....	1,159.3	1,701.6	142.0	482.9	3,485.8
1978 .....	1,142.0	1,619.4	222.5	520.7	3,504.6
1979 .....	1,130.5	1,591.2	231.7	557.5	3,510.9
1980 .....	1,143.0	1,607.5	242.4	563.1	3,558.0
1981 .....	1,129.8	1,599.3	249.0	559.3	3,537.4
1982 .....	1,116.1	1,658.5	199.4	577.6	3,551.6
1983 .....	1,084.0	1,693.8	204.5	598.5	3,580.8
1984 .....	1,002.5	1,710.7	208.9	622.9	3,545.0
1985 .....	899.2	1,735.4	211.1	656.9	3,502.6
1986 .....	819.0	1,742.6	214.5	668.9	3,445.0
1987 .....	824.9	1,752.0	215.9	675.4	3,468.2
1988 <sup>6</sup> .....	832.4	1,743.3	213.9	668.2	3,457.8

<sup>1</sup> Oranges, tangerines, temples, grapefruit, lemons, limes, and tangelos. Area is for the year of harvest.

<sup>2</sup> Commercial apples, apricots, cherries, grapes, nectarines, peaches, pears, plums, and prunes.

<sup>3</sup> Avocados, bananas, cranberries, dates, figs, kiwifruit (beginning 1980), olives, papayas, pineapples, and pomegranates.

<sup>4</sup> Persimmons discontinued after 1977.

<sup>5</sup> Almonds, filberts (hazelnuts), macadamia nuts, and walnuts. Pistachios beginning 1977.

<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

Table 254.—Fruits: Production in tons, United States, 1974-88 <sup>1</sup>

Year	Apples, commercial crop <sup>2</sup>	Peaches	Pears	Grapes (fresh basis)	Cherries	Prunes and plums (fresh basis)	Apricots	Figs (fresh basis)	Olives
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1974	3,290	1,459	742	4,199	279	659	94	45	59
1975	3,765	1,418	748	4,366	301	656	183	38	67
1976	3,236	1,509	839	4,398	246	666	155	32	80
1977	3,370	1,478	782	4,298	254	727	147	42	43
1978	3,799	1,326	723	4,567	247	634	126	32	126
1979	4,063	1,469	855	4,989	269	661	144	39	62
1980	4,409	1,534	897	5,595	364	821	129	45	109
1981	3,870	1,385	897	4,458	221	765	89	38	45
1982	4,061	1,143	804	6,555	312	573	118	38	147
1983	4,189	928	775	5,506	259	674	94	34	61
1984	4,167	1,330	710	5,194	318	687	127	36	91
1985	3,961	1,074	747	5,607	276	648	132	33	96
1986	3,967	1,164	766	5,226	250	491	55	50	112
1987	5,374	1,195	940	5,264	394	979	115	52	68
1988 <sup>3</sup>	4,579	1,310	861	5,986	304	750	102	48	88

  

Year	Oranges <sup>4</sup>	Tangerines <sup>4</sup>	Grapefruit <sup>4</sup>	Lemons <sup>4</sup>	Limes <sup>4</sup>	Tangelos <sup>4</sup>	Tem-ples <sup>4</sup>	Strawberries, commercial crop	Pineapples
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1974	9,386	210	2,692	676	42	167	239	269	700
1975	10,241	228	2,504	1,118	44	212	239	275	720
1976	10,493	236	2,850	670	43	248	248	290	680
1977	10,546	249	3,032	988	40	216	171	331	690
1978	9,546	228	3,030	991	18	221	221	330	675
1979	9,160	237	2,757	745	29	189	212	319	681
1980	11,832	275	2,986	789	44	288	270	351	657
1981	10,487	239	2,759	1,189	48	221	162	371	636
1982	7,600	212	2,878	942	52	229	144	442	670
1983	9,519	229	2,447	963	68	171	211	447	722
1984	7,246	208	2,176	807	63	162	130	495	600
1985	6,734	176	2,255	980	72	162	146	509	565
1986	7,487	186	2,339	697	76	133	133	510	646
1987	7,697	220	2,568	1,087	63	180	153	556	692
1988 <sup>3</sup>	8,544	212	2,781	785	57	189	160	583	659

  

Year	Avocados <sup>5</sup>	Nectarines	Cranberries	Bananas	Kiwi-fruit	Dates	Papayas <sup>6</sup>	Persimmons	Pomegranates	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1974	127	117	112	3	23	19	3	8	25,619	
1975	87	111	104	3	25	20	2	9	27,484	
1976	141	128	120	3	22	25	2	9	27,369	
1977	118	155	105	3	25	32	2	10	27,854	
1978	146	148	123	3	22	45	( <sup>7</sup> )	10	27,337	
1979	102	172	124	3	21	30	( <sup>7</sup> )	13	27,345	
1980	269	191	135	2	5	22	37	( <sup>7</sup> )	32,073	
1981	183	182	130	3	7	22	47	( <sup>7</sup> )	28,471	
1982	237	178	152	3	16	24	42	( <sup>7</sup> )	16	27,588
1983	274	185	149	2	14	17	38	( <sup>7</sup> )	20	27,996
1984	230	183	166	5	18	22	60	( <sup>7</sup> )	20	25,251
1985	189	210	174	4	22	29	48	( <sup>7</sup> )	19	24,868
1986	303	172	182	5	24	18	42	( <sup>7</sup> )	22	25,056
1987	209	191	166	6	29	19	53	( <sup>7</sup> )	19	28,289
1988 <sup>3</sup>	183	200	201	6	33	22	35	( <sup>7</sup> )	20	28,698

<sup>1</sup> For some crops in certain years, production includes some quantities unharvested for economic reasons or excess cullage fruit. <sup>2</sup> Estimates of the commercial crop refer to production in orchards of 100 or more bearing-age trees. <sup>3</sup> Preliminary. <sup>4</sup> Year harvest was complete. <sup>5</sup> Year of bloom. <sup>6</sup> Total production and yield were not estimated for the 1988 crop. <sup>7</sup> Estimates discontinued after 1977 crop.

National Agricultural Statistics Service.



**Table 255.—Apples, commercial crop: <sup>1</sup> Production and season average price per pound, by States, 1986-88**

States	Total production			Utilized production			Price <sup>3</sup> for crop of—		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
AR.....	10.0	4.0	10.0	9.5	4.0	10.0	13.3	11.9	16.8
CA.....	515.0	650.0	630.0	515.0	650.0	630.0	16.3	11.1	18.7
CO.....	18.0	125.0	65.0	17.6	118.0	65.0	9.7	6.7	11.0
CT.....	47.0	45.0	47.0	46.0	44.0	47.0	19.3	20.9	24.5
DE.....	27.0	26.0	19.0	27.0	26.0	19.0	9.1	10.6	12.2
GA.....	30.0	50.0	33.0	29.0	40.0	32.0	16.0	11.3	13.1
ID.....	94.0	155.0	135.0	94.0	150.0	135.0	22.2	10.6	14.0
IL.....	90.0	103.0	85.0	90.0	96.0	82.0	16.0	11.9	16.3
IN.....	37.0	72.0	56.0	37.0	70.0	51.0	18.6	17.0	17.6
IA.....	5.5	10.0	9.5	5.4	9.3	8.9	26.8	20.3	21.4
KS.....	3.0	12.0	12.0	2.9	10.4	9.5	23.9	14.7	17.6
KY.....	4.0	21.0	11.0	3.9	16.5	9.5	20.8	15.3	15.8
ME.....	88.0	75.0	94.0	86.0	74.0	90.0	19.2	19.1	19.7
MD.....	87.0	40.0	54.0	85.0	38.0	52.0	11.3	10.3	12.2
MA.....	95.0	96.0	99.0	92.0	94.0	96.0	19.6	20.6	22.6
MI.....	700.0	1,050.0	830.0	700.0	1,050.0	830.0	9.3	7.6	8.8
MN.....	19.0	26.0	14.0	18.0	23.0	12.5	30.5	23.0	30.2
MO.....	37.0	53.0	56.0	37.0	50.0	54.0	20.5	9.9	17.2
NH.....	50.0	50.0	57.0	50.0	49.0	55.0	20.0	22.4	22.6
NJ.....	100.0	80.0	65.0	100.0	77.0	60.0	12.4	12.4	12.0
NM.....	6.0	12.6	10.0	6.0	12.6	10.0	19.0	15.6	19.5
NY.....	900.0	880.0	910.0	900.0	880.0	910.0	10.1	9.2	10.2
NC.....	120.0	390.0	350.0	120.0	390.0	350.0	8.5	6.4	8.0
OH.....	90.0	150.0	95.0	90.0	150.0	95.0	17.4	15.8	17.7
OR.....	105.0	210.0	165.0	105.0	205.0	165.0	10.6	5.4	12.0
PA.....	620.0	460.0	520.0	620.0	460.0	520.0	8.3	9.0	9.2
RI.....	5.5	5.0	5.5	5.5	5.0	5.5	22.3	23.3	24.4
SC.....	30.0	45.0	38.0	30.0	39.0	36.0	13.5	8.4	12.1
TN.....	9.0	15.0	12.5	8.5	14.0	11.0	18.5	13.4	15.6
UT.....	34.0	68.0	40.0	34.0	63.0	39.0	13.8	7.4	12.5
VT.....	49.0	44.0	45.0	48.0	42.0	43.0	17.7	18.0	18.4
VA.....	460.0	481.0	425.0	450.0	461.0	417.0	9.7	9.3	11.1
WA.....	3,160.0	5,000.0	3,900.0	3,160.0	4,800.0	3,900.0	15.5	7.3	12.7
WV.....	230.0	180.0	215.0	230.0	180.0	215.0	10.6	7.5	9.5
WI.....	58.0	65.0	45.0	55.0	61.0	43.0	17.1	15.5	21.2
US.....	7,933.0	10,748.6	9,157.5	7,907.3	10,451.8	9,107.9	13.4	8.7	12.6

<sup>1</sup> In orchards of 100 or more bearing-age trees.

<sup>2</sup> Preliminary.

<sup>3</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, New York, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 256.—Apples: Production and value, United States, 1974–88

Year	Apples, commercial crop <sup>1</sup>				Year	Apples, commercial crop <sup>1</sup>			
	Total production	Utilized production	Season average price <sup>2</sup>	Value		Total production	Utilized production	Season average price <sup>2</sup>	Value
	Million pounds	Million pounds	Cents per pound	1,000 dollars		Million pounds	Million pounds	Cents per pound	1,000 dollars
1974 .....	6,579.7	6,529.8	8.40	551,600	1982 .....	8,122.0	8,110.2	10.0	809,004
1975 .....	7,530.0	7,102.6	6.5	460,894	1983 .....	8,378.5	8,357.9	10.5	879,036
1976 .....	6,472.2	6,466.9	9.1	586,473	1984 .....	8,333.0	8,318.1	11.2	927,622
1977 .....	6,739.6	6,710.0	10.6	708,631	1985 .....	7,923.5	7,835.8	11.7	915,533
1978 .....	7,596.9	7,544.0	10.4	781,350	1986 .....	7,933.0	7,907.3	13.4	1,058,879
1979 .....	8,126.1	8,101.2	10.9	881,237	1987 .....	10,748.6	10,451.8	8.7	906,352
1980 .....	8,818.4	8,800.4	8.7	761,335	1988 <sup>3</sup> .....	9,157.5	9,107.9	12.6	1,144,287
1981 .....	7,739.6	7,692.9	11.1	851,132					

<sup>1</sup> In orchards of 100 or more bearing-age trees.

<sup>2</sup> Fresh fruit prices are equivalent returns at packinghouse-door for California, Oregon, New York, and Washington; for other States, returns at point of first sale. Processing prices are equivalent returns at processing plant door.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

Table 257.—Apples, fresh (dessert and cooking): Production in specified countries, 1985/86–1988/89 <sup>1</sup>

Continent and country	1985/86	1986/87	1987/88	1988/89 <sup>2</sup>	Continent and country	1985/86	1986/87	1987/88	1988/89 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>					<b>Other Europe—Con.</b>				
Canada <sup>3</sup> .....	479	388	506	452	Norway .....	64	33	46	45
Mexico .....	443	629	615	624	Sweden <sup>3</sup> .....	38	36	20	33
United States <sup>3</sup> .....	3,594	3,598	4,875	4,154	Switzerland <sup>3</sup> .....	127	163	169	436
<b>Total .....</b>	<b>4,516</b>	<b>4,615</b>	<b>5,996</b>	<b>5,230</b>	Turkey .....	1,900	1,860	1,680	1,800
					Yugoslavia .....	368	637	423	518
<b>South America:</b>					<b>Total .....</b>	<b>3,692</b>	<b>4,265</b>	<b>3,608</b>	<b>4,258</b>
Argentina .....	594	1,078	940	964	<b>Total Europe .....</b>	<b>10,961</b>	<b>12,551</b>	<b>11,068</b>	<b>13,115</b>
Chile .....	515	580	630	650	<b>Africa:</b>				
<b>Total .....</b>	<b>1,109</b>	<b>1,658</b>	<b>1,570</b>	<b>1,614</b>	South Africa .....	517	470	525	496
<b>European Community:</b>					<b>Total .....</b>	<b>517</b>	<b>470</b>	<b>525</b>	<b>490</b>
Belgium and Luxembourg .....	221	270	236	272	<b>Asia:</b>				
Denmark <sup>3</sup> .....	45	48	26	45	Japan .....	910	986	998	1,042
France .....	1,793	1,867	1,985	1,926	<b>Total .....</b>	<b>910</b>	<b>986</b>	<b>998</b>	<b>1,042</b>
Germany, Fed. Rep. of... ..	1,410	2,180	1,077	2,467	<b>Oceania:</b>				
Greece .....	257	316	288	286	Australia .....	288	362	324	344
Italy .....	2,012	2,020	2,273	2,443	New Zealand .....	310	344	383	352
Netherlands .....	270	445	340	363	<b>Total .....</b>	<b>598</b>	<b>706</b>	<b>707</b>	<b>696</b>
Spain .....	988	829	971	821	<b>Total specified countries .....</b>	<b>18,611</b>	<b>20,986</b>	<b>20,864</b>	<b>22,187</b>
United Kingdom .....	273	311	264	234					
<b>Total EC .....</b>	<b>7,269</b>	<b>8,286</b>	<b>7,460</b>	<b>8,857</b>					
<b>Other Europe:</b>									
Austria .....	241	283	206	296					
Hungary .....	954	1,253	1,064	1,131					

<sup>1</sup> May include some cider varieties in countries not reporting separately.

<sup>2</sup> Preliminary.

<sup>3</sup> Commercial crop.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 258.—Apples, commercial crop: Production and utilization, United States, 1974-88**

Crop of—	Total production	Utilized production	Utilization of quantities sold					
			Fresh <sup>1</sup>	Processed (fresh basis)				
				Canned	Dried	Frozen	Other <sup>2</sup>	
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	6,579.7	6,529.8	3,690.5	1,225.6	197.2	181.7		<sup>3</sup> 1,234.8
1975.....	7,530.0	7,102.6	4,357.0	1,026.7	229.5	206.6		<sup>3</sup> 1,282.8
1976.....	6,472.2	6,466.9	3,915.8	919.9	229.3	220.4		<sup>3</sup> 1,181.5
1977.....	6,732.6	6,710.0	3,859.6	1,075.9	225.5	160.9		<sup>3</sup> 1,388.1
1978.....	7,596.9	7,544.0	4,210.4	1,224.2	221.0	207.4		<sup>3</sup> 1,631.0
1979.....	8,126.1	8,101.2	4,288.6	1,336.7	255.7	136.6		<sup>3</sup> 2,083.6
1980.....	8,313.4	8,300.4	4,934.1	1,202.4	194.7	167.5		<sup>3</sup> 2,301.7
1981.....	7,739.6	7,692.9	4,442.2	1,002.4	190.0	172.7		<sup>3</sup> 1,855.6
1982.....	8,122.0	8,110.2	4,536.7	1,248.6	209.9	190.8		<sup>3</sup> 1,924.2
1983.....	8,378.5	8,357.9	4,620.5	1,204.4	283.3	169.6		<sup>3</sup> 2,080.1
1984.....	8,393.0	8,318.1	4,666.1	1,176.7	288.6	198.1		<sup>3</sup> 1,988.6
1985.....	7,923.5	7,835.8	4,227.7	1,255.4	242.4	194.3		<sup>3</sup> 1,916.0
1986.....	7,933.0	7,907.3	4,531.8	1,179.0	199.4	257.3		<sup>3</sup> 1,739.8
1987.....	10,748.6	10,451.8	5,621.6	1,289.6	283.8	248.8		2,998.0
1988 *.....	9,157.5	9,107.9	5,263.3	1,399.1	285.0	275.7		1,884.8

<sup>1</sup> Includes "Home use."

<sup>2</sup> Mostly crushed for vinegar, cider, and juice. For some States, small quantities canned, dried, and frozen are included.

<sup>3</sup> Includes the following quantities of juice and cider (million pounds): 1973—822.2; 1974—1,030.7; 1975—1,191.6; 1976—1,109.1; 1977—1,267.2; 1978—1,494.6; 1979—1,953.8; 1980—2,136.9; 1981—1,798.4; 1982—1,807.8; 1983—1,984.7; 1984—1,886.3; 1985—1,842.1; 1986—1,648.9; 1987—2,924.8; and 1988—1,818.1.

\* Preliminary.

National Agricultural Statistics Service.

**Table 259.—Apples, commercial crop: Production and utilization, by States, crop of 1988 (preliminary)**

State	Total production	Utilized production	Utilization					
			Fresh <sup>1</sup>	Processed (fresh basis)				
				Canned	Dried	Frozen	Juice and cider	Other <sup>2</sup>
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
CA.....	630.0	630.0	305.0	44.0			235.0	
MI.....	830.0	830.0	230.0	200.0		120.0	270.0	10.0
NY.....	910.0	910.0	405.0	290.0		50.0	135.0	30.0
OR.....	165.0	165.0	120.0				23.0	
PA.....	520.0	520.0	138.0	276.0		3.5	98.4	4.1
VA.....	425.0	417.0	200.0	144.0		25.0	46.0	2.0
WA.....	3,900.0	3,900.0	2,850.0	160.0			620.0	
WV.....	215.0	215.0	65.0	94.2		13.9	39.3	2.6
Other States *.....	1,562.5	1,520.9	950.3	190.9	285.0	63.3	351.4	18.0
US.....	9,157.5	9,107.9	5,263.3	1,399.1	285.0	275.7	1,818.1	66.7

<sup>1</sup> Includes "Home use."

<sup>2</sup> Mostly vinegar, wine, and jam.

<sup>3</sup> Data not published to avoid disclosure of individual operations, but included in "Other States" and U.S. totals.

\* Arkansas, Colorado, Connecticut, Delaware, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Minnesota, Missouri, New Hampshire, New Jersey, New Mexico, North Carolina, Ohio, Rhode Island, South Carolina, Tennessee, Utah, Vermont, and Wisconsin.

National Agricultural Statistics Service.

Table 260.—Apples, fresh: United States exports by country of destination and imports by country of origin, 1985/86–1987/88

Country	Year beginning July			Country	Year beginning July		
	1985/86	1986/87	1987/88		1985/86	1986/87	1987/88
<b>EXPORTS</b>				<b>EXPORTS</b>			
Europe:	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	Netherlands Antilles.....	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Finland.....	3,853	3,575	8,631	Trinidad and Tobago.....	662	703	1,130
France.....	671	118	83	Other countries.....	646	361	370
Iceland.....	899	1,262	1,612	Total.....	82	51	106
Ireland.....	1,415	922	1,233				
Netherlands.....	531	1,608	9,265	Other countries:			
Norway.....	2,146	4,213	7,165	Canada.....	25,202	42,072	41,099
Sweden.....	2,401	4,448	12,381	Taiwan.....	30,065	37,115	73,641
United Kingdom.....	8,753	8,694	16,073	French Pacific Islands.....	339	455	517
Other countries.....	672	239	1,619	Hong Kong.....	22,920	18,274	40,083
Total.....	21,144	25,079	58,062	Indonesia.....	16	0	0
				Kuwait.....	560	622	380
Latin America:				Liberia.....	19	8	8
Brazil.....	91	1,755	370	Malaysia.....	8,179	3,635	10,068
Colombia.....	4,441	2,931	4,470	New Zealand.....	2,019	1,448	1,598
Costa Rica.....	590	1,272	1,871	Other Pacific Islands.....	0	0	0
El Salvador.....	111	4	125	Philippines.....	4	16	1,073
Guatemala.....	73	0	0	Saudi Arabia.....	8,284	11,975	17,381
Nicaragua.....	0	0	0	Singapore.....	11,358	6,782	13,297
Mexico.....	1,838	2,589	6,591	Thailand.....	3,052	3,038	4,380
Honduras.....	575	921	1,359	United Arab Emirates.....	4,359	1,619	9,128
Panama.....	3,052	2,464	2,641	Other countries.....	1,088	605	1,204
Surinam.....	0	0	0	Total.....	117,464	127,664	213,857
Venezuela.....	0	0	0				
Other countries.....	80	97	150	Grand total.....	152,792	168,274	293,211
Total.....	10,851	12,033	17,577				
				<b>IMPORTS</b>			
Bermuda and Caribbean:				Australia.....	1,594	652	591
Bahamas.....	37	28	131	Canada.....	42,236	38,929	44,217
Barbados.....	319	175	26	Chile.....	30,792	43,315	38,450
Bermuda.....	112	109	116	France.....	15,821	7,239	31
Dominican Rep.....	780	1,231	1,178	New Zealand.....	32,449	35,599	26,666
French West Indies.....	20	60	62	South Africa.....	17,027	7,280	0
Haiti.....	188	117	412	Other countries.....	6,465	6,239	10,563
Leeward and Windward Islands.....	487	663	184	Total.....	146,384	139,253	120,518

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 261.—Apples: <sup>1</sup> Foreign trade, United States, 1974–87

Year beginning July	Imports, fresh and dried, in terms of fresh	Domestic exports		Year beginning July	Imports, fresh and dried, in terms of fresh	Domestic exports	
		Fresh	Dried, in terms of fresh <sup>1</sup>			Fresh	Dried, in terms of fresh <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	37,843	106,090	3,748	1981 <sup>2</sup> .....	128,295	269,228	8,348
1975.....	57,796	102,255	3,734	1982 <sup>2</sup> .....	98,732	261,802	16,062
1976 <sup>2</sup> .....	55,720	123,670	4,544	1983 <sup>2</sup> .....	126,030	228,677	12,002
1977 <sup>2</sup> .....	63,647	142,360	8,210	1984 <sup>2</sup> .....	132,632	205,239	9,256
1978 <sup>2</sup> .....	78,452	154,780	7,272	1985 <sup>2</sup> .....	152,566	147,122	5,520
1979 <sup>2</sup> .....	71,182	237,409	5,520	1986 <sup>2</sup> .....	149,448	175,104	10,528
1980 <sup>2</sup> .....	76,831	311,288	7,592	1987 <sup>2</sup> .....	132,673	296,176	7,680

<sup>1</sup> Dried converted to terms of fresh apples on following basis; 1 pound dried is equivalent to 8 pounds fresh. No re-exports reported. <sup>2</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 262.—Apricots: Production and value, United States, 1974-88 <sup>1</sup>

Year	Total production	Utilized production	Market year average price per ton <sup>2</sup>	Value	Year	Total production	Utilized production	Market year average price per ton <sup>2</sup>	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	93,550	93,550	270.00	25,281	1982.....	118,200	118,060	304.00	35,983
1975.....	182,600	175,600	214.00	37,609	1983.....	93,800	93,800	315.00	29,519
1976.....	154,500	128,350	200.00	25,689	1984.....	127,200	117,080	308.00	36,081
1977.....	147,300	141,300	210.00	29,671	1985.....	131,500	106,330	265.00	28,187
1978.....	126,200	126,200	249.00	31,364	1986.....	55,200	55,100	402.00	22,174
1979.....	144,200	144,200	269.00	38,718	1987.....	115,000	106,800	348.00	37,113
1980.....	129,000	129,000	291.00	37,505	1988 <sup>3</sup> .....	102,300	94,100	363.00	34,155
1981.....	89,400	89,380	311.00	27,765					

<sup>1</sup> Production, price, and value for California, Utah, and Washington. <sup>2</sup> Fresh fruit prices are equivalent packing-house-door returns for California and Washington. Quantities processed are priced at the equivalent processing plant door level. <sup>3</sup> Preliminary.

National Agricultural Statistics Service.

Table 263.—Apricots: Production and marketing year average price per ton, by States, 1986-88

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987 <sup>1</sup>	1988 <sup>1</sup>
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
CA.....	50,000	110,000	95,000	50,000	102,000	87,000	371.00	333.00	340.00
UT.....	900	1,100	1,200	800	900	1,000	364.00	420.00	380.00
WA.....	4,300	3,900	6,100	4,300	3,900	6,100	772.00	709.00	682.00
Total.....	55,200	115,000	102,300	55,100	106,800	94,100	402.00	348.00	363.00

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 264.—Apricots, fresh: Production in specified countries, 1986-88

Continent and country	1986	1987	1988 <sup>1</sup>	Continent and country	1986	1987	1988 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Europe—Con.			
United States.....	50.1	104.3	92.8	Yugoslavia.....	25.6	21.3	28.0
Total.....	50.1	104.3	92.8	Total.....	568.9	568.9	638.1
South America:				Africa:			
Argentina.....	11.8	12.4	23.0	South Africa.....	40.9	41.9	44.2
Chile.....	14.7	11.8	12.5	Total.....	40.5	41.9	44.2
Total.....	26.5	24.2	35.5	Oceania:			
Europe:				Australia.....	29.6	29.5	29.5
France.....	113.5	96.8	94.6	New Zealand.....	9.0	8.7	8.5
Germany, Fed. Rep. of.....	2.0	1.8	1.6	Total.....	38.6	38.2	38.0
Greece.....	86.0	109.8	153.9	Total specified countries...	724.6	777.5	848.6
Italy.....	192.0	198.7	195.8				
Spain.....	149.8	140.5	164.2				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 265.—Apricots: Production and utilization, United States,<sup>1</sup> 1974–88

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh <sup>2</sup>	Processed (fresh basis)		
				Canned <sup>3</sup>	Dried	Frozen
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
1974.....	93,550	93,550	8,450	62,500	17,000	5,600
1975.....	182,600	175,600	10,100	122,800	28,500	14,200
1976.....	154,500	128,350	12,660	76,290	29,300	10,100
1977.....	147,300	141,300	11,960	79,340	39,500	10,500
1978.....	126,200	126,200	9,200	78,500	30,000	8,500
1979.....	144,200	144,200	10,890	84,310	39,000	10,000
1980.....	129,000	129,000	13,130	80,870	27,100	7,900
1981.....	89,400	89,380	12,230	43,650	25,000	8,500
1982.....	118,200	118,060	10,810	62,250	33,000	12,000
1983.....	93,800	93,800	10,550	44,050	28,200	11,000
1984.....	127,200	117,080	15,780	67,300	22,500	11,500
1985.....	131,500	106,330	19,980	61,350	13,000	12,000
1986.....	55,200	55,100	10,750	27,650	9,500	7,200
1987.....	115,000	106,800	16,550	53,550	23,600	13,100
1988 <sup>4</sup> .....	102,300	94,100	18,800	45,400	17,700	12,200

<sup>1</sup> California, Utah, and Washington.<sup>2</sup> Includes "Home use."<sup>3</sup> Includes some quantities frozen or otherwise processed.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 266.—Apricots: Production and utilization, by States, crop of 1988 (preliminary)

State—	Total production	Utilized production	Utilization			
			Fresh	Processed (fresh basis)		
				Canned <sup>1</sup>	Dried	Frozen
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
CA.....	95,000	89,000	12,600	44,500	17,700	12,200
UT.....	1,200	1,000	( <sup>2</sup> )	( <sup>2</sup> )		
WA.....	6,100	6,100	( <sup>2</sup> )	( <sup>2</sup> )		
US.....	102,300	94,100	18,800	45,400	17,700	12,200

<sup>1</sup> Some quantities used for juice are included in "Canned" to avoid disclosure of individual operations.<sup>2</sup> Missing data not published to avoid disclosure of individual operations, but included in U.S. total.

National Agricultural Statistics Service.

Table 267.—Apricots: Foreign trade, United States, 1974-87

Year beginning July	Domestic exports					Total, in terms of fresh <sup>3</sup>
	Fresh	Canned <sup>1</sup>	Dried <sup>1</sup>	Dried, in fruit salad <sup>2</sup>		
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	
1974.....	1,316	658	533	216	5,635	
1975.....	2,653	958	798	227	8,608	
1976 <sup>4</sup> .....	1,807	1,091	1,056	200	9,043	
1977 <sup>4</sup> .....	( <sup>5</sup> )	1,242	( <sup>5</sup> )	230	2,070	
1978 <sup>4</sup> .....	( <sup>5</sup> )	2,249	( <sup>5</sup> )	173	2,503	
1979 <sup>4</sup> .....	( <sup>5</sup> )	927	( <sup>5</sup> )	296	2,185	
1980 <sup>4</sup> .....	( <sup>5</sup> )	1,499	( <sup>5</sup> )	331	2,777	
1981 <sup>4</sup> .....	( <sup>5</sup> )	956	( <sup>5</sup> )	243	1,935	
1982 <sup>4</sup> .....	( <sup>5</sup> )	1,012	( <sup>5</sup> )	211	1,811	
1983 <sup>4</sup> .....	( <sup>5</sup> )	410	( <sup>5</sup> )	205	1,348	
1984 <sup>4</sup> .....	( <sup>5</sup> )	342	( <sup>5</sup> )	243	1,494	
1985 <sup>4</sup> .....	( <sup>5</sup> )	371	( <sup>5</sup> )	270	1,654	
1986 <sup>4</sup> .....	( <sup>5</sup> )	387	( <sup>5</sup> )	228	1,450	
1987 <sup>4</sup> .....	( <sup>5</sup> )	906	( <sup>5</sup> )	169	1,519	

<sup>1</sup> Net processed weight.<sup>2</sup> Dried apricots are 12½ percent of total dried fruit for salad.<sup>3</sup> Dried fruit converted to unprocessed dry weight by dividing by 1.07. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 5.5 pounds fresh. Canned apricots converted to terms of fresh on the basis that 1 pound canned equals 0.717 pounds fresh.<sup>4</sup> Year beginning October.<sup>5</sup> Not available.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 268.—Avocados: Production, marketing year average price per ton, and value, United States, 1974-75 to 1988-89

Season	California			Florida			California and Florida <sup>3</sup>		
	Production <sup>1</sup>	Price <sup>2</sup>	Value	Production <sup>1</sup>	Price <sup>2</sup>	Value	Production <sup>1</sup>	Price <sup>2</sup>	Value
	Tons	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1974-75.....	105,500	475	50,113	21,900	327	7,161	127,400	450	57,274
1975-76.....	58,400	1,037	60,561	29,000	400	11,600	87,400	826	72,161
1976-77.....	120,000	593	71,160	21,100	410	8,651	141,100	566	79,811
1977-78.....	107,000	740	79,180	10,700	690	7,383	117,700	735	86,563
1978-79.....	123,000	691	84,993	23,100	400	9,240	146,100	645	94,233
1979-80.....	75,000	1,496	112,200	27,300	597	16,298	102,300	1,256	128,498
1980-81.....	238,000	357	84,966	30,800	529	16,293	268,800	377	101,259
1981-82.....	157,000	689	108,173	25,800	501	12,926	182,800	662	121,099
1982-83.....	202,000	460	92,320	34,700	480	16,656	236,700	463	109,576
1983-84.....	247,000	370	91,390	27,000	460	12,420	274,000	379	103,810
1984-85.....	200,000	582	116,400	29,500	390	11,505	229,500	557	127,905
1985-86.....	160,000	1,015	162,400	28,500	576	16,416	188,500	949	178,816
1986-87.....	278,000	338	93,964	24,700	412	10,176	302,700	344	104,140
1987-88.....	180,000	1,140	205,200	29,000	312	9,048	209,000	1,030	214,248
1988-89 <sup>4</sup> .....	156,000	1,200	187,200	27,000	436	11,772	183,000	1,090	198,972

<sup>1</sup> Production is the quantity sold or utilized.<sup>2</sup> Quantities processed are priced at the equivalent processing plant door level.<sup>3</sup> Season from Nov. 1 to Nov. 30 (following year) for California and June 20 to Feb. 28 for Florida.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 269.—Avocados: Foreign trade, United States, 1974-87

Year beginning July	Imports	Year beginning July	Imports	Year beginning July	Imports
	<i>Metric tons</i>		<i>Metric tons</i>		<i>Metric tons</i>
1974 .....	1,506	1979 <sup>1</sup> .....	1,409	1984 <sup>1</sup> .....	3,107
1975 .....	1,334	1980 <sup>1</sup> .....	1,351	1985 <sup>1</sup> .....	5,181
1976 <sup>1</sup> .....	1,994	1981 <sup>1</sup> .....	760	1986 <sup>1</sup> .....	4,171
1977 <sup>1</sup> .....	3,162	1982 <sup>1</sup> .....	936	1987 <sup>1</sup> .....	2,455
1978 <sup>1</sup> .....	1,725	1983 <sup>1</sup> .....	1,872		

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 270.—Bananas: Area, yield, production, marketing year average price, and value, Hawaii, 1974-88

Year	Area harvested	Yield per acre	Production	Price per pound	Value	Year	Area harvested	Yield per acre	Production	Price per pound	Value
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974 .....	610	10.8	6,600	13.1	865	1982 .....	720	8.0	5,750	28.6	1,645
1975 .....	630	9.8	6,200	13.8	856	1983 .....	860	5.2	4,470	31.2	1,395
1976 .....	560	9.0	5,030	15.5	780	1984 .....	870	10.2	8,900	30.0	2,670
1977 .....	550	10.5	5,800	15.6	905	1985 .....	840	9.7	8,160	30.3	2,472
1978 .....	580	9.8	5,700	18.5	1,055	1986 .....	980	9.9	9,700	30.0	2,910
1979 .....	630	8.8	5,550	20.5	1,138	1987 .....	1,070	10.7	11,400	29.7	3,386
1980 .....	580	7.9	4,600	23.9	1,099	1988 <sup>1</sup> .....	1,070	12.1	12,900	33.0	4,257
1981 .....	650	9.2	6,000	25.7	1,542						

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.



Table 271.—Cherries: Production and value, United States, 1974-88

Year	All varieties			Sweet varieties				Tart varieties			
	Total production	Utilized production	Value	Total production	Utilized production	Season average price per ton <sup>1</sup>	Value	Total production	Utilized production	Season average price per pound <sup>1</sup>	Value
	Tons	Tons	1,000 dollars	Tons	Tons	Dollars	1,000 dollars	Million pounds	Million pounds	Cents	1,000 dollars
1974.....	279,430	279,280	113,025	146,980	146,980	436.00	64,057	264.9	264.6	18.5	48,968
1975.....	300,960	278,760	88,486	155,710	155,710	407.00	63,398	290.5	246.1	10.2	25,088
1976.....	245,610	240,380	101,038	172,310	167,080	384.00	64,232	146.6	146.6	25.1	36,806
1977.....	254,370	253,870	135,363	148,920	148,420	495.00	73,414	210.9	210.9	29.4	61,949
1978.....	247,380	247,380	187,162	156,780	156,780	688.00	107,828	181.2	181.2	43.8	79,334
1979.....	269,380	269,230	191,687	184,180	184,030	604.00	111,182	170.4	170.4	47.2	80,505
1980.....	282,750	276,400	136,955	173,700	168,300	554.00	93,230	218.1	216.2	20.2	43,725
1981.....	221,140	213,920	160,054	154,540	147,520	685.00	100,994	133.2	132.8	44.5	59,060
1982.....	312,050	257,060	128,765	156,600	134,610	699.00	94,120	310.9	244.9	14.1	34,645
1983.....	258,500	245,565	177,794	181,200	168,765	630.00	106,288	154.6	153.6	46.6	71,506
1984.....	317,600	292,200	164,100	181,800	164,250	609.00	100,096	271.6	255.9	25.0	64,004
1985.....	275,600	266,600	163,881	132,500	126,500	799.00	101,033	286.2	280.2	22.4	62,848
1986.....	249,760	245,960	157,039	137,710	136,760	825.00	112,773	224.1	218.4	20.3	44,266
1987.....	390,050	355,620	181,422	214,800	212,820	748.00	159,140	358.5	285.6	7.8	22,282
1988 <sup>2</sup> .....	304,300	303,000	199,279	186,200	184,510	788.00	145,418	236.2	233.5	23.1	53,861

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for Western States, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>2</sup> Preliminary. National Agricultural Statistics Service.

Table 272.—Cherries: Production and season average price, by States, 1986-88

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
<b>SWEET VARIETIES</b>									
CA.....	8,400	45,000	26,000	8,400	45,000	26,000	1,220.00	636.00	771.00
ID.....	2,300	2,100	2,300	2,300	1,700	2,200	857.00	741.00	927.00
MI.....	20,000	32,000	28,000	20,000	32,000	28,000	576.00	576.00	657.00
MT.....	1,600	3,800	3,300	1,000	2,600	1,900	480.00	877.00	548.00
NY.....	1,700	1,500	1,400	1,400	1,250	1,270	849.00	839.00	953.00
OR.....	38,000	54,000	60,000	38,000	54,000	60,000	663.00	690.00	646.00
PA.....	1,050	600	1,200	1,000	500	1,200	1,270.00	1,480.00	1,260.00
UT.....	2,160	1,800	2,000	2,160	1,770	1,940	699.00	662.00	776.00
WA.....	62,500	74,000	62,000	62,500	74,000	62,000	951.00	923.00	983.00
Total 9 States....	137,710	214,800	186,200	136,760	212,820	184,510	825.00	748.00	788.00
<b>TART VARIETIES</b>									
CO.....	.9	2.5	1.3	.9	.8	.8	39.9	10.1	25.1
MI.....	170.0	265.0	180.0	165.0	225.0	180.0	19.8	7.5	23.5
NY.....	13.0	35.0	22.0	12.3	24.4	21.5	23.0	9.5	22.5
OR.....	6.0	8.0	4.0	6.0	6.2	4.0	16.0	5.5	19.5
PA.....	12.0	5.0	9.0	12.0	4.3	9.0	25.3	16.4	25.6
UT.....	18.5	29.0	11.0	18.5	20.0	9.6	19.1	8.3	19.0
WI.....	3.7	14.0	8.9	3.7	4.9	8.6	21.3	6.0	19.5
Total 7 States....	224.1	358.5	236.2	218.4	285.6	233.5	20.3	7.8	23.1

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. National Agricultural Statistics Service.

Table 273.—Cherries, fresh: Production in specified countries, 1986-88

Continent and country	1986	1987	1988 <sup>1</sup>	Continent and country	1986	1987	1988 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Europe—Con.			
Canada.....	8.4	15.4	13.2	Italy.....	139.6	158.4	144.0
United States.....	226.6	357.5	276.1	Spain.....	66.9	65.4	42.0
Total.....	235.0	372.9	289.3	Yugoslavia.....	157.0	180.8	200.0
South America:				Total.....	743.5	791.2	729.1
Argentina.....	5.0	5.0	5.0	Asia:			
Chile.....	9.5	6.3	8.6	Japan.....	16.7	18.8	18.4
Total.....	14.5	11.3	13.6	Total.....	16.7	18.8	18.4
Europe:				Oceania:			
France.....	91.8	101.2	72.8	Australia.....	5.8	6.1	7.1
Germany, Fed. Rep. of.....	249.4	250.9	232.8	Total.....	5.8	6.1	7.1
Greece.....	38.8	34.5	37.5	Total specified countries.....	1,015.5	1,200.3	1,057.5

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 274.—Cherries: Foreign trade, United States, 1974-87

Year beginning July	Imports		Domestic exports		Year beginning July	Imports		Domestic exports	
	Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned		Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	119	1,516	6,995	1,182	1981 <sup>1</sup> .....	445	233	9,257	1,881
1975.....	129	756	6,683	931	1982 <sup>1</sup> .....	942	381	7,831	1,726
1976 <sup>1</sup> .....	76	582	5,426	1,417	1983 <sup>1</sup> .....	1,675	550	7,937	1,767
1977 <sup>1</sup> .....	103	103	7,200	1,697	1984 <sup>1</sup> .....	2,629	1,078	7,103	1,576
1978 <sup>1</sup> .....	1,164	568	10,686	2,395	1985 <sup>1</sup> .....	4,541	1,924	11,438	2,452
1979 <sup>1</sup> .....	646	117	9,095	2,677	1986 <sup>1</sup> .....	2,047	723	23,918	2,640
1980 <sup>1</sup> .....	297	157	9,597	2,810	1987 <sup>1</sup> .....	3,488	455	25,899	2,293

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

## FOOTNOTES FOR TABLE 276

<sup>1</sup> Includes "Home use."<sup>2</sup> Sweet varieties include some quantities used for juice, wine, brandy, freezing, etc.; tart varieties include some quantities used for juice, jam, jelly, brining, etc.<sup>3</sup> Missing data included in other states to avoid disclosure of individual operation.<sup>4</sup> Idaho, Montana, New York, Pennsylvania, and Utah.<sup>5</sup> Colorado, Ohio, Oregon, Pennsylvania, Utah, and Wisconsin.

National Agricultural Statistics Service.

Table 275.—Cherries: Production and utilization, United States,<sup>1</sup> 1974-88

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh <sup>2</sup>	Processed (fresh basis)		
				Canned <sup>3,4</sup>	Frozen	Brined <sup>5</sup>
<b>SWEET VARIETIES</b>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1974.....	146,980	146,980	67,516	25,864		53,600
1975.....	155,710	155,710	77,800	14,520		63,890
1976.....	172,310	167,080	94,510	21,180		51,390
1977.....	148,920	148,420	72,320	21,990		54,110
1978.....	156,780	156,780	66,670	28,060		62,050
1979.....	184,180	180,030	86,030	23,300		74,700
1980.....	173,700	168,300	86,460	23,340		59,500
1981.....	154,540	147,520	71,738	20,765		55,017
1982.....	156,600	134,610	67,610	21,350		45,650
1983.....	181,200	168,765	95,090	28,402		45,273
1984.....	181,800	164,250	90,490	23,310		50,455
1985.....	132,500	126,500	53,040	22,050		51,410
1986.....	137,710	136,760	68,620	17,900		50,240
1987.....	214,800	212,820	108,330	29,950		74,540
1988 <sup>6</sup> .....	186,200	184,510	87,520	29,660		67,330
<b>TART VARIETIES</b>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	264.9	264.6	7.2	97.6	162.6	
1975.....	290.5	246.1	4.4	89.7	149.2	
1976.....	146.6	146.6	6.0	42.4	98.2	
1977.....	210.9	210.9	6.1	65.5	139.3	
1978.....	181.2	181.2	5.0	49.9	126.3	
1979.....	170.4	170.4	4.3	49.8	116.3	
1980.....	218.1	216.2	6.3	74.5	135.4	
1981.....	133.2	132.8	4.0	41.3	87.5	
1982.....	310.9	244.9	7.4	76.7	160.8	
1983.....	154.6	153.6	5.3	43.1	105.2	
1984.....	271.6	255.9	7.9	81.4	166.6	
1985.....	286.2	280.2	7.6	65.8	206.8	
1986.....	224.1	218.4	5.5	53.4	159.5	
1987.....	358.5	285.6	9.0	88.4	188.2	
1988 <sup>6</sup> .....	236.2	233.5	5.0	66.9	161.6	

<sup>1</sup> California, Colorado, Idaho, Michigan, Montana, New York, Ohio, Oregon, Pennsylvania, Utah, Washington, and Wisconsin. <sup>2</sup> Includes "Home use." <sup>3</sup> For tart varieties, includes small quantities brined or used for juice, wine, preserves, and candied cherries. <sup>4</sup> Sweet varieties, beginning 1971, includes small quantities used for juice, wine, brandy, etc. <sup>5</sup> For sweet varieties, includes small quantities brined or used for juice, wine, etc., through 1970; beginning 1971, brined only. <sup>6</sup> Preliminary.

National Agricultural Statistics Service.

Table 276.—Cherries: Production and utilization, by States, crop of 1988 (preliminary)

Variety and State	Total production	Utilized production	Utilization			
			Fresh <sup>1</sup>	Processed (fresh basis)		
				Canned and otherwise processed <sup>2</sup>	Frozen	Brined
<b>SWEET VARIETIES</b>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
CA.....	26,000	26,000	19,500			
MI.....	28,000	28,000	5,500	2,450	3,100	16,950
OR.....	60,000	60,000	16,000	8,600	4,400	31,000
WA.....	62,000	62,000	39,600	3,900	6,600	11,900
Other States <sup>4</sup> .....	10,200	8,510	6,920		610	7,480
US.....	186,200	184,510	87,520	14,950	14,710	67,330
<b>TART VARIETIES</b>						
MI.....	90,000	90,000	1,500	20,000	64,000	4,500
Other States <sup>5</sup> .....	28,100	26,750	1,000	7,900	16,800	1,050
US.....	118,100	116,750	2,500	27,900	80,800	5,550

See footnotes on page 196.

Table 277.—Citrus fruits: Production and value, United States, for season of 1974-75 to 1987-88

Season <sup>1</sup>	Production	Marketing year average returns per box <sup>2</sup>	Value	Quantities processed <sup>3</sup>	Production	Marketing year average returns per box <sup>2</sup>	Value	Quantities processed <sup>3</sup>
	Oranges <sup>4</sup>				Grapefruit			
	1,000 boxes	Dollars	1,000 dollars	1,000 boxes	1,000 boxes	Dollars	1,000 dollars	1,000 boxes
1974-75 .....	237,810	2.75	653,759	183,457	61,610	2.51	154,439	33,223
1975-76 .....	242,780	2.80	678,717	192,540	70,080	2.21	154,802	37,536
1976-77 .....	242,950	3.34	811,196	195,782	74,600	2.35	175,467	46,042
1977-78 .....	220,120	5.45	1,198,657	175,549	74,660	2.54	189,692	44,382
1978-79 .....	210,600	6.15	1,295,735	170,359	67,380	3.43	231,271	38,850
1979-80 .....	273,630	4.85	1,328,054	218,880	73,200	4.13	302,190	44,719
1980-81 .....	244,580	5.30	1,295,281	194,144	67,860	4.74	321,517	39,953
1981-82 .....	176,690	6.53	1,167,301	180,230	70,550	3.24	227,592	41,786
1982-83 .....	225,180	5.96	1,317,056	165,725	61,200	3.06	186,197	28,687
1983-84 .....	169,440	7.68	1,303,885	121,410	53,840	4.09	220,196	27,999
1984-85 .....	158,350	9.16	1,455,410	109,693	56,150	5.47	310,530	32,782
1985-86 .....	175,440	6.18	1,090,428	120,945	57,870	5.87	341,957	30,550
1986-87 .....	181,175	7.29	1,322,499	127,860	163,775	6.53	414,395	33,692
1987-88 <sup>5</sup> .....	200,250	8.52	1,773,681	146,729	68,700	7.01	478,588	35,505
	Lemons				Limes			
1973-74 .....	17,800	6.17	109,851	6,666	1,050	7.20	7,560	571
1974-75 .....	29,400	3.85	113,226	17,880	1,100	7.62	8,382	607
1975-76 .....	17,620	5.79	101,949	6,685	1,080	9.27	10,012	494
1976-77 .....	26,000	3.56	92,500	12,910	1,000	11.61	11,610	486
1977-78 .....	26,100	4.24	110,635	13,900	460	19.11	8,791	120
1978-79 .....	19,600	6.87	134,561	7,680	720	16.16	11,637	239
1979-80 .....	20,750	8.11	168,354	10,045	1,100	12.55	13,800	478
1980-81 .....	31,300	4.83	151,174	19,910	1,200	11.10	13,325	503
1981-82 .....	24,800	4.26	105,688	14,250	1,300	12.44	16,170	675
1982-83 .....	25,000	4.37	109,298	13,535	1,700	13.09	22,255	725
1983-84 .....	20,750	5.66	117,408	9,480	1,440	12.16	17,506	615
1984-85 .....	25,450	6.61	168,276	13,850	1,640	12.13	19,901	615
1985-86 .....	18,200	11.93	217,065	6,810	1,725	12.70	21,901	845
1986-87 .....	28,600	6.37	182,171	16,255	1,450	13.50	19,569	600
1987-88 <sup>5</sup> .....	20,650	9.78	202,046	8,585	1,300	17.93	23,314	440
	Tangerines <sup>6</sup>				Tangelos			
1974-75 .....	5,250	4.50	23,618	1,629	4,700	2.63	12,361	2,337
1975-76 .....	5,360	4.85	25,976	1,728	5,500	2.52	13,860	3,255
1976-77 .....	5,770	5.56	32,104	1,753	4,800	2.77	13,296	2,505
1977-78 .....	5,200	6.84	35,560	2,069	4,900	4.72	23,128	2,913
1978-79 .....	5,400	8.07	43,572	2,309	4,200	5.55	23,327	2,479
1979-80 .....	6,300	5.81	36,595	2,736	6,400	4.54	29,051	4,593
1980-81 .....	5,560	6.45	35,850	2,495	4,900	5.70	27,943	2,844
1981-82 .....	6,580	8.12	53,125	3,093	5,100	5.46	27,865	3,320
1982-83 .....	6,850	8.48	56,457	2,654	3,800	6.34	24,102	1,922
1983-84 .....	6,175	8.57	52,020	2,342	3,600	6.33	22,796	2,004
1984-85 .....	4,620	14.42	65,554	1,630	3,600	9.54	34,354	2,132
1985-86 .....	4,700	13.34	61,952	1,521	2,950	6.49	19,141	1,612
1986-87 .....	5,470	12.89	69,720	1,651	4,000	6.16	24,626	2,690
1987-88 <sup>5</sup> .....	5,140	15.67	80,400	1,502	4,200	7.76	32,605	2,805
	Templets							
1974-75 .....	5,300	2.75	14,575	3,392				
1975-76 .....	5,500	2.89	15,895	3,171				
1976-77 .....	3,800	3.39	12,882	2,616				
1977-78 .....	4,900	5.35	26,215	2,851				
1978-79 .....	4,700	6.49	30,510	2,565				
1979-80 .....	6,000	4.57	27,439	3,216				
1980-81 .....	3,600	6.00	21,595	2,493				
1981-82 .....	3,200	5.89	18,862	2,362				
1982-83 .....	4,700	5.97	28,056	3,137				
1983-84 .....	2,900	7.41	21,489	2,138				
1984-85 .....	3,250	8.07	26,225	2,624				
1985-86 .....	2,950	5.44	16,052	2,037				
1986-87 .....	3,400	6.03	20,513	2,347				
1987-88 <sup>5</sup> .....	3,550	7.87	27,940	2,258				

See footnotes on page 201.

Table 278.—Citrus fruits: Production and marketing year average returns per box, by States, 1985-86 to 1987-88

Crop and State	Production of crop for season <sup>1</sup> of—			Price <sup>2</sup> of crop for season of—		
	1985-86	1986-87	1987-88 <sup>2</sup>	1985-86	1986-87	1987-88 <sup>2</sup>
<b>ORANGES</b>						
Early, midseason, and navel varieties: <sup>4</sup>	<i>1,000 boxes</i>	<i>1,000 boxes</i>	<i>1,000 boxes</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AZ.....	550	1,000	610	9.16	7.72	10.43
CA.....	33,000	34,500	31,500	7.15	7.04	7.82
FL.....	64,200	65,800	78,500	5.92	6.56	8.47
TX.....	200	500	940	11.18	10.72	9.03
Total early, midseason, and navel variety <sup>5</sup> .....	97,950	101,800	111,550	6.31	6.74	7.88
Valencia:						
AZ.....	1,480	1,700	1,200	6.03	5.30	7.08
CA.....	20,900	23,400	27,300	6.17	8.17	7.70
FL.....	55,000	53,900	59,500	5.97	8.02	10.48
TX.....	110	375	490	8.30	5.62	7.92
Total Valencia <sup>5</sup> .....	77,490	79,375	88,490	6.03	8.00	9.26
All oranges:						
AZ.....	2,030	2,700	1,810	6.88	6.20	8.20
CA.....	53,900	57,900	58,800	6.77	7.50	7.77
FL.....	119,200	119,700	138,000	5.94	7.22	9.33
TX.....	310	875	1,430	10.16	8.54	8.65
US, all oranges <sup>5</sup> .....	175,440	181,175	200,040	6.18	6.41	8.52
<b>GRAPEFRUIT</b>						
AZ.....	2,800	2,750	1,500	4.84	5.06	4.51
CA, all.....	8,100	9,300	8,900	7.33	6.06	6.24
Desert.....	3,600	4,300	4,200	6.81	5.48	5.07
Other areas.....	4,500	5,000	4,700	7.73	6.53	7.20
FL, all.....	46,750	49,800	53,850	5.71	6.61	7.19
Colored seedless.....	18,000	20,000	21,900	6.60	7.42	7.54
White seedless.....	25,600	26,900	29,200	5.20	6.09	6.99
Other.....	3,150	2,900	2,750	4.87	5.87	6.59
TX.....	220	1,925	3,800	9.40	7.86	6.78
US, all grapefruit <sup>5</sup> .....	57,870	63,775	68,050	5.87	6.53	7.01
<b>LEMONS</b>						
AZ.....	3,100	7,100	3,650	15.04	4.12	8.61
CA.....	15,100	21,500	17,000	11.29	7.11	10.04
US, lemons <sup>5</sup> .....	18,200	28,600	20,650	11.93	6.37	9.78
<b>LIMES</b>						
FL.....	1,725	1,450	1,300	12.70	13.50	17.93
<b>TANGELOS</b>						
FL.....	2,950	4,000	4,200	6.49	6.16	7.76
<b>TANGERINES</b>						
AZ.....	950	900	450	11.86	12.22	15.19
CA.....	1,800	2,230	2,090	12.19	11.52	15.45
FL.....	1,950	2,340	2,450	14.74	14.11	15.91
US, tangerines <sup>5</sup> .....	4,700	5,470	4,900	13.34	12.98	15.67
<b>TEMPLES</b>						
FL.....	2,950	3,400	3,550	5.44	6.03	7.87

<sup>1</sup> Season begins with the bloom of the first year shown and ends with completion of harvest the following year. For oranges, harvest in California usually starts in late October of the first year shown and continues into December of the following year. In other States, harvest of oranges begins about Oct. 1 and ends in early summer. Grapefruit harvest for the California desert and for all other States begins in the fall and ends by early summer. Harvest of other California grapefruit begins in March of the year after bloom through October. California lemons are harvested from Aug. 1 to July 31; Arizona lemons are harvested from Aug. 15 to Mar. 1. Florida limes are picked mostly from April through March. Florida tangelos are harvested largely from October through April.

<sup>2</sup> Preliminary.

<sup>3</sup> Equivalent returns per box at the intake packinghouse-door for all methods of sale.

<sup>4</sup> Navel and miscellaneous varieties in Arizona and California; early and midseason varieties in Florida and Texas, including small quantities of tangerines in Texas.

<sup>5</sup> Net content of box varies. Approximate averages are as follows: Oranges—Arizona and California, 75 pounds; Florida, 90 pounds; and Texas, 85 pounds; grapefruit—Arizona and California desert, 64 pounds; other California areas, 67 pounds; Florida, 85 pounds; Texas, 80 pounds; lemons—76 pounds; limes—88 pounds; tangelos—90 pounds; tangerines—Arizona and California, 75 pounds; Florida, 95 pounds; and temples—90 pounds.

National Agricultural Statistics Service.

Table 279.—Citrus fruits: Production in specified countries, 1986-87 to 1988-89<sup>1</sup>

Commodity and country	1986-87	1987-88	1988-89 <sup>2</sup>	Commodity and country	1986-87	1987-88	1988-89 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Oranges:</b>				<b>Grapefruit:</b>			
Mexico.....	1,683	1,942	2,268	Mexico.....	91	105	79
United States <sup>3</sup> .....	7,122	7,895	8,191	United States.....	2,330	2,523	2,602
Argentina.....	630	600	540	Argentina.....	165	160	145
Brazil.....	10,975	10,500	12,150	Brazil.....	29	24	24
Chile.....	95	120	100	Uruguay.....	8	8	8
Uruguay.....	79	68	71	Cuba.....	250	284	300
Cuba.....	500	520	540	Greece.....	6	5	6
Greece.....	881	462	780	Egypt.....	2	2	2
Italy.....	2,424	1,400	2,020	Italy.....	8	3	6
Spain.....	2,959	2,442	2,225	Spain.....	18	18	22
Cyprus.....	204	138	167	Cyprus.....	111	96	104
Gaza Strip.....	151	83	125	Gaza Strip.....	14	10	10
Israel.....	815	627	550	Israel.....	392	317	373
Turkey.....	750	700	750	Turkey.....	30	27	30
Egypt.....	1,235	1,387	1,390	Morocco.....	4	4	4
Morocco.....	650	913	890	South Africa.....	121	140	138
South Africa.....	625	684	680	Australia.....	32	31	35
Australia.....	475	450	504	<b>Total.....</b>	<b>3,611</b>	<b>3,757</b>	<b>3,888</b>
Japan.....	62	67	58				
<b>Total.....</b>	<b>31,415</b>	<b>30,998</b>	<b>33,999</b>	<b>Lemons:</b>			
				Mexico.....	9	9	9
<b>Tangerines:</b>				United States.....	986	712	751
Mexico.....	131	151	157	Argentina.....	460	400	290
United States <sup>4</sup> .....	363	364	356	Brazil <sup>5</sup> .....	35	35	35
Argentina.....	260	250	240	Chile.....	64	80	90
Brazil <sup>5</sup> .....	479	453	460	Uruguay.....	52	54	57
Uruguay.....	45	35	37	Greece.....	168	89	160
Cuba.....	30	25	30	Egypt.....	1	2	2
Greece.....	68	49	69	Italy.....	813	660	750
Italy.....	531	396	510	Spain.....	613	760	679
Spain.....	1,164	1,307	1,120	Cyprus.....	54	46	51
Cyprus.....	5	6	5	Gaza Strip.....	15	12	12
Israel.....	158	122	140	Israel.....	69	47	41
Turkey.....	300	280	320	Japan.....	1	2	1
Egypt.....	117	134	120	Turkey.....	250	220	280
Morocco.....	290	300	390	Morocco.....	20	20	21
Japan.....	2,542	2,942	2,390	South Africa.....	66	68	67
Australia.....	33	32	41	Australia.....	36	37	43
<b>Total.....</b>	<b>6,516</b>	<b>6,785</b>	<b>6,385</b>	<b>Total.....</b>	<b>3,712</b>	<b>3,253</b>	<b>3,399</b>

<sup>1</sup> Split years refer to harvest periods which usually begin in the fall and extend through the following spring. This corresponds roughly with October-June in the Northern Hemisphere and April-December of the second year shown in the Southern Hemisphere.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes temple oranges.

<sup>4</sup> Includes tangelos.

<sup>5</sup> Sao Paulo only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information. U.S. data are from USDA Crop Reporting Board.

Table 280.—Canned citrus juices, single-strength: United States packs, 1974-87

Season	Orange juice				Blended orange and grapefruit juice				Tangerine and tangerine blends
	Florida	California and Arizona	Texas	Total	Florida	California and Arizona	Texas	Total	
	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>
1974.....	10,737	1,115	1,441	13,293	1,493	113	117	1,723	12
1975.....	10,635	1,570	1,256	13,461	1,687	144	938	2,769	19
1976.....	10,767	1,183	2,485	14,435	1,308	187	89	1,584	35
1977.....	11,654	1,748	2,427	15,829	1,664	194	87	1,945	8
1978.....	13,222	2,795	2,209	18,226	1,255	95	80	1,430	19
1979.....	13,869	2,079	2,419	18,367	1,314	138	82	1,534	17
1980.....	13,012	2,397	2,195	17,604	984	51	47	1,082	9
1981.....	11,504	1,169	1,057	13,730	727	43	42	812	6
1982.....	9,802	( <sup>3</sup> )	( <sup>3</sup> )	* 9,802	650	( <sup>3</sup> )	( <sup>3</sup> )	* 650	4
1983.....	9,084	( <sup>3</sup> )	( <sup>3</sup> )	* 9,084	555	( <sup>3</sup> )	( <sup>3</sup> )	* 555	( <sup>2</sup> )
1984.....	7,425	( <sup>3</sup> )	( <sup>3</sup> )	* 7,425	615	( <sup>3</sup> )	( <sup>3</sup> )	* 615	1
1985.....	7,596	( <sup>3</sup> )	( <sup>3</sup> )	* 7,596	577	( <sup>3</sup> )	( <sup>3</sup> )	* 577	( <sup>2</sup> )
1986.....	8,122	( <sup>3</sup> )	( <sup>3</sup> )	* 8,122	533	( <sup>3</sup> )	( <sup>3</sup> )	* 533	( <sup>2</sup> )
1987.....	7,256	( <sup>3</sup> )	( <sup>3</sup> )	* 7,256	449	( <sup>3</sup> )	( <sup>3</sup> )	* 449	( <sup>2</sup> )

<sup>1</sup> Equivalent cases of 24 No. 2 cans.<sup>2</sup> Pack data not available.<sup>3</sup> Not available.<sup>4</sup> Florida only.

Economic Research Service. Based on data obtained from various canners' associations and individual canners.

Table 281.—Concentrated citrus juices: Annual packs, Florida, 1974-87

Season beginning December	Frozen concentrated juice <sup>1</sup>			
	Orange <sup>2</sup>	Grapefruit	Tangerine	Blend
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
1974.....	178,174	7,847	1,147	4
1975.....	186,265	9,316	1,111	1
1976.....	158,035	11,258	926	18
1977.....	161,204	13,693	1,672	1
1978.....	173,100	14,243	1,367	3
1979.....	231,257	19,443	2,142	1
1980.....	174,537	20,763	1,175	3
1981.....	133,294	21,869	924	18
1982.....	169,577	14,483	505	1
1983.....	121,216	19,291	887	( <sup>3</sup> )
1984.....	118,472	24,802	797	( <sup>3</sup> )
1985.....	132,405	24,162	1,029	( <sup>3</sup> )
1986.....	145,056	28,875	471	( <sup>3</sup> )
1987.....	169,973	31,906	1,242	( <sup>3</sup> )

<sup>1</sup> Net pack.<sup>2</sup> Frozen orange juice reported in 45.0° Brix through 1978; 43.4° Brix for 1979-80; and 42.0° Brix thereafter. Includes concentrated juice for manufacture.<sup>3</sup> Not available.

Economic Research Service. Based on data obtained from Florida Citrus Processors' Association.

## FOOTNOTES FOR TABLE 277

<sup>1</sup> See footnote 1, table 278.<sup>2</sup> Equivalent returns per box at the intake packinghouse door for all methods of sale.<sup>3</sup> Includes quantities used for juice, concentrates, grapefruit segments, and other citrus products. In some seasons, includes appreciable quantities of oranges and lemons in California delivered to processing plants which were not utilized, but for which growers received payment.<sup>4</sup> Includes small quantities of tangerines in Texas. Excludes Florida temples.<sup>5</sup> Preliminary.<sup>6</sup> Statistics for 1981-82 and after include honey tangerines grown in Florida.

National Agricultural Statistics Service.

**Table 282.—Grapefruit sections and single-strength juice, canned: Annual pack by producing areas, 1974-87**

Season	Sections, Florida	Juice (single-strength)			
		Florida	Texas	California and Arizona	Total
	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>
1974.....	2,236	16,394	2,789	2,446	21,629
1975.....	1,602	18,890	4,030	2,901	25,821
1976.....	1,722	18,809	5,867	3,013	27,689
1977.....	1,753	17,246	4,690	4,443	26,379
1978.....	1,823	16,764	3,462	4,949	25,175
1979.....	1,966	16,604	3,606	4,018	24,228
1980.....	1,671	14,231	2,005	3,193	19,429
1981.....	1,343	15,724	1,894	2,311	20,429
1982.....	1,235	11,651	( <sup>2</sup> )	( <sup>2</sup> )	11,651
1983.....	( <sup>2</sup> )	9,513	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 9,513
1984.....	( <sup>2</sup> )	10,552	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 10,552
1985.....	( <sup>2</sup> )	9,948	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 9,948
1986.....	( <sup>2</sup> )	8,982	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 8,982
1987.....	( <sup>2</sup> )	7,724	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 7,724

<sup>1</sup> Equivalent cases of 24 No. 2 cans.

<sup>2</sup> Not available.

<sup>3</sup> Florida only.

Economic Research Service. Based on data obtained from various canners' associations and individual canners.

**Table 283.—Citrus juice: United States exports by kind, 1974/75-1987/88**

Year beginning November	Orange juice			Grapefruit juice		
	Single strength	Concentrate		Single strength	Concentrate	
		Hot pack	Frozen		Hot pack	Frozen
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
1974/75.....	9,734	931	12,636	4,850	213	1,214
1975/76.....	10,693	1,354	15,161	5,115	306	1,292
1976/77.....	10,472	1,663	17,086	5,445	310	1,988
1977/78.....	9,819	( <sup>1</sup> )	( <sup>1</sup> )	4,358	( <sup>1</sup> )	( <sup>1</sup> )
1978/79.....	8,827	( <sup>1</sup> )	( <sup>1</sup> )	3,832	( <sup>1</sup> )	( <sup>1</sup> )
1979/80.....	10,105	( <sup>1</sup> )	( <sup>1</sup> )	3,977	( <sup>1</sup> )	( <sup>1</sup> )
1980/81.....	9,282	<sup>2</sup> 6,763	<sup>2</sup> 74,563	3,834	<sup>2</sup> 1,906	<sup>2</sup> 13,839
1981/82.....	7,678	<sup>2</sup> 7,028	<sup>2</sup> 63,291	3,119	<sup>2</sup> 1,637	<sup>2</sup> 13,652
1982/83.....	6,834	<sup>2</sup> 5,942	<sup>2</sup> 69,659	2,966	<sup>2</sup> 1,379	<sup>2</sup> 9,752
1983/84.....	5,356	<sup>2</sup> 4,324	<sup>2</sup> 65,716	1,756	<sup>2</sup> 1,532	<sup>2</sup> 12,259
1984/85.....	6,075	<sup>2</sup> 3,736	<sup>2</sup> 47,372	1,575	<sup>2</sup> 1,556	<sup>2</sup> 10,951
1985/86.....	3,534	<sup>2</sup> 3,479	<sup>2</sup> 37,376	1,482	<sup>2</sup> 2,197	<sup>2</sup> 8,970
1986/87.....	4,495	<sup>2</sup> 3,586	<sup>2</sup> 50,240	2,107	<sup>2</sup> 1,928	<sup>2</sup> 12,814
1987/88.....	7,560	<sup>2</sup> 4,356	<sup>2</sup> 54,121	2,716	<sup>2</sup> 2,148	<sup>2</sup> 19,102

<sup>1</sup> Omitted because data misleading. Reporting of concentrated juices was changed from concentrated to single-strength gallons in January 1978, but some custom ports inadvertently failed to do so until later in the year.

<sup>2</sup> Single strength equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



Table 284.—Oranges, fresh: <sup>1</sup> United States exports by country of destination, 1985-87

Country of destination	Year beginning November			Country of destination	Year beginning November		
	1985	1986	1987		1985	1986	1987
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				French West Indies.....	3	22	41
Belgium and Luxembourg..	641	2,143	287	Netherlands Antilles.....	8	30	39
Denmark.....	50	194	0	Other countries.....	0	1	5
France.....	1,099	1,589	91	Total.....	49	107	274
Germany, Fed. Rep. of.....	53	68	140	Other countries:			
Iceland.....	126	0	221	Australia.....	7,140	6,601	6,274
Netherlands.....	3,692	11,706	2,817	Canada.....	112,225	110,808	95,184
Norway.....	421	186	268	Taiwan.....	1,887	7,205	5,721
Sweden.....	900	2,278	604	French Pacific Islands.....	262	358	210
United Kingdom.....	1,183	1,703	646	Hong Kong.....	125,736	103,917	78,137
Other countries.....	113	143	224	Indonesia.....	19	0	0
Total.....	8,278	20,010	5,298	Japan.....	108,734	121,299	115,387
Latin America:				Korea, Rep. of.....	148	171	385
Mexico.....	513	414	2,464	Malaysia.....	8,676	8,767	9,138
Other countries.....	46	42	61	New Zealand.....	3,242	2,804	3,887
Total.....	559	456	2,525	Philippines.....	22	0	514
Bermuda and Caribbean:				Singapore.....	17,037	13,811	11,775
Bahamas.....	2	30	57	Other countries.....	148	228	61
Barbados.....	34	24	132	Total.....	385,276	375,969	326,673
Bermuda.....	2	0	0	Grand total.....	394,162	396,542	394,770

<sup>1</sup> Includes temple oranges.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 285.—Fresh citrus fruits: Foreign trade, United States, 1974-87

Year <sup>1</sup>	Oranges		Grapefruit		Lemons		Limes		Tangerines	
	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	36,252	478,871	4,717	221,838	18	190,675	3,665	2,517	.....	12,955
1975.....	21,473	440,159	4,246	277,547	( <sup>2</sup> )	209,990	4,645	2,999	.....	14,860
1976.....	45,764	407,315	8,891	277,271	166	238,908	7,221	1,999	.....	15,736
1977.....	25,719	337,435	2,367	260,827	28	217,443	11,286	2,551	* 6,124	16,994
1978.....	28,536	300,235	2,722	278,443	355	180,498	11,939	3,516	22,616	21,642
1979.....	14,924	459,393	4,215	272,625	55	170,093	17,487	3,453	19,811	19,897
1980.....	7,765	411,608	4,085	297,753	45	175,128	21,253	2,457	12,915	16,030
1981.....	13,681	372,142	997	269,645	5,159	136,081	14,532	3,025	16,810	12,923
1982.....	6,215	440,702	2,070	301,835	1,579	151,891	11,689	2,230	9,882	17,485
1983.....	17,247	383,333	1,306	243,390	5,501	152,673	20,638	2,289	18,452	10,195
1984.....	24,034	395,642	2,312	198,624	6,846	146,997	30,991	2,328	6,895	15,773
1985.....	28,097	401,008	2,625	269,225	12,872	139,910	28,101	2,357	9,144	8,559
1986.....	19,746	399,979	1,769	355,858	8,319	145,968	29,522	4,547	13,706	15,778
1987.....	22,183	335,091	5,084	462,138	6,800	140,839	40,843	2,839	14,954	14,712

<sup>1</sup> Year beginning October for all commodities. Prior to 1976, year beginning November for oranges, tangerines, and lemons; September for grapefruit and July for limes.<sup>2</sup> Less than one metric ton.<sup>3</sup> Beginning 1977, tangerines reported separately.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 286.—Dates: Production, marketing year average price per ton, and value, California, 1974–88**

Year	Production	Price <sup>1</sup>	Value	Year	Production	Price <sup>1</sup>	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	22,700	222	5,039	1982.....	23,900	736	17,590
1975.....	24,800	298	7,390	1983.....	17,000	638	10,846
1976.....	22,400	346	7,750	1984.....	22,200	791	17,560
1977.....	25,400	338	8,585	1985.....	28,900	860	24,854
1978.....	21,550	485	10,452	1986.....	17,800	828	14,738
1979.....	21,300	514	10,948	1987.....	19,400	872	16,917
1980.....	22,400	634	14,204	1988 <sup>2</sup> .....	22,000	898	19,756
1981.....	22,300	639	14,250				

<sup>1</sup> Quantities processed are priced at the equivalent processing plant door level.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 287.—Dates: Foreign trade, United States, 1974–87**

Year beginning July	Imports	Year beginning July	Imports	Year beginning July	Imports
	<i>Metric tons</i>		<i>Metric tons</i>		<i>Metric tons</i>
1974.....	11,287	1979 <sup>1</sup> .....	12,905	1984 <sup>1</sup> .....	14,601
1975.....	17,624	1980 <sup>1</sup> .....	1,270	1985 <sup>1</sup> .....	2,833
1977 <sup>1</sup> .....	16,542	1982 <sup>1</sup> .....	9,475	1986 <sup>1</sup> .....	3,059
1978 <sup>1</sup> .....	18,429	1983 <sup>1</sup> .....	10,314	1987 <sup>1</sup> .....	5,593

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 288.—Cranberries: Area, yield, production, season average price per barrel, value and quantities processed, United States, 1974-88 <sup>1</sup>**

Year	Area harvested	Yield per acre <sup>2</sup>	Total production <sup>3</sup>	Utilized production	Price <sup>4</sup>	Value	Quantities processed <sup>5</sup>
	<i>Acres</i>	<i>Barrels <sup>6</sup></i>	<i>Barrels <sup>6</sup></i>	<i>Barrels <sup>6</sup></i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Barrels <sup>6</sup></i>
1974.....	23,400	95.6	2,236,000	2,236,000	11.00	24,715	1,486,700
1975.....	23,300	89.1	2,075,100	2,075,100	13.10	27,112	1,444,200
1976.....	23,080	104.3	2,407,300	2,407,300	13.50	32,424	1,755,500
1977.....	22,540	93.3	2,102,200	2,102,200	13.10	38,154	1,454,000
1978.....	23,120	106.3	2,458,500	2,458,500	21.50	52,903	1,917,700
1979.....	23,200	106.7	2,475,500	2,475,500	26.70	66,039	2,067,000
1980.....	23,190	116.3	2,697,500	2,697,500	33.20	89,462	2,259,600
1981.....	23,150	112.0	2,593,000	2,593,000	41.50	107,494	1,977,100
1982.....	23,310	130.4	3,039,000	3,039,000	46.70	142,050	2,380,800
1983.....	23,550	126.8	2,986,000	2,986,000	52.00	155,282	2,588,100
1984.....	23,820	139.5	3,322,000	3,322,000	54.50	180,940	2,944,500
1985.....	24,400	142.8	3,485,000	3,485,000	54.50	189,959	3,093,200
1986.....	24,900	146.2	3,640,000	3,640,000	51.80	188,377	3,157,400
1987.....	25,500	130.2	3,321,000	3,321,000	44.50	147,798	2,969,000
1988 <sup>7</sup> .....	26,000	156.9	4,079,000	4,079,000	44.90	183,242	3,727,800

<sup>1</sup> Estimates relate to Massachusetts, New Jersey, Oregon, Washington, and Wisconsin.

<sup>2</sup> Derived from total production.

<sup>3</sup> Differences between utilized and total production are quantities unharvested for economic reasons or excess cullage and/or set-aside production under provisions of the Cranberry Marketing Order.

<sup>4</sup> Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production.

<sup>5</sup> Mainly for canning.

<sup>6</sup> Barrels of 100 pounds.

<sup>7</sup> Preliminary.

National Agricultural Statistics Service.

**Table 289.—Cranberries: Area, yield, production, and season average price per barrel, by States, 1986-88**

State	Area harvested			Yield per acre			Total production			Price <sup>2</sup> for crop of		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
MA.....	11,300	11,800	11,800	160.4	122.8	157.7	1,813,000	1,449,000	1,861,000	44.80	44.40	46.30
NJ.....	3,300	3,200	3,300	98.5	87.5	112.1	325,000	280,000	370,000	45.40	45.10	44.00
OR.....	1,200	1,200	1,300	102.0	118.3	117.7	122,000	142,000	153,000	45.30	44.90	43.70
WA.....	1,200	1,200	1,200	83.3	108.3	112.5	100,000	130,000	135,000	45.30	45.00	44.00
WI.....	7,900	8,100	8,400	162.0	163.0	185.7	1,280,000	1,320,000	1,560,000	44.40	44.40	43.70
US.....	24,900	25,500	26,000	146.2	130.2	156.9	3,640,000	3,321,000	4,079,000	44.70	44.50	44.90

<sup>1</sup> Preliminary.

<sup>2</sup> Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production.

<sup>3</sup> Barrels of 100 pounds.

<sup>4</sup> Not available.

National Agricultural Statistics Service.

**Table 290.—Figs: Production, marketing year average price per ton, and value, California, 1974-88**

Year	Dried (dry basis)				Fresh and canned		Total		
	Production			Price	Production (fresh basis)	Price <sup>1</sup>	Production (fresh basis) <sup>2</sup>	Price <sup>1</sup>	Value
	Total	Standard	Substandard						
	Tons	Tons	Tons	Dollars	Tons	Dollars	Tons	Dollars	1,000 dollars
1974	13,130	11,430	1,700	682.00	5,000	284.00	44,600	233.00	10,392
1975	11,610	8,840	2,770	585.00	3,170	236.00	38,000	198.00	7,524
1976	10,070	7,000	3,070	522.00	1,900	271.00	32,100	180.00	5,778
1977	12,700	11,000	1,700	869.00	3,400	345.00	41,500	295.00	12,243
1978	9,300	6,930	2,370	940.00	3,700	352.00	31,600	318.00	10,049
1979	11,640	10,240	1,400	1,217.00	3,800	416.00	38,720	399.00	15,444
1980	14,450	11,400	3,050	888.00	2,100	493.00	45,450	306.00	13,910
1981	12,200	10,150	2,050	961.00	1,600	542.00	38,200	329.00	12,579
1982	12,200	9,650	2,550	820.00	1,100	461.00	37,700	278.00	10,499
1983	11,050	9,000	2,050	600.00	850	426.00	34,000	206.00	6,392
1984	11,500	9,800	1,700	836.00	1,950	442.00	36,450	288.00	10,489
1985	10,400	8,570	1,830	848.00	n.a.	n.a.	31,200	305.00	9,942
1986	16,200	12,450	3,750	806.00	n.a.	n.a.	48,600	283.00	14,173
1987	16,750	14,000	2,750	959.00	n.a.	n.a.	50,250	334.00	17,395
1988	15,400	13,250	2,150	989.00	n.a.	n.a.	46,200	348.00	16,610

<sup>1</sup> Quantities processed are priced at the equivalent processing plant door level.<sup>2</sup> Dried figs converted to fresh basis at ratio of 3 pounds fresh to 1 pound dried.

n.a. not available.

National Agricultural Statistics Service.

**Table 291.—Figs, dried: Foreign trade, United States, 1974-87**

Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports
1974	1,130	740	1979 <sup>1</sup>	1,975	1,645	1984 <sup>1</sup>	3,132	1,293
1975	1,773	1,002	1980	1,843	1,388	1985	3,367	735
1976 <sup>1</sup>	3,211	711	1981	2,068	1,241	1986 <sup>1</sup>	2,740	612
1977 <sup>1</sup>	3,368	1,310	1982	2,517	731	1987 <sup>1</sup>	2,941	773
1978 <sup>1</sup>	3,387	1,472	1983	2,745	995			

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 292.—Grapes: Production, value, and raisin production, United States, 1974-88

Year	Grapes				Raisins, production (California) <sup>2</sup>	Year	Grapes				Raisins, production (California) <sup>2</sup>
	Production (fresh basis)		Market year average price per ton <sup>1</sup>	Value			Production (fresh basis)		Market year average price per ton <sup>1</sup>	Value	
	Total	Utilized					Total	Utilized			
	1,000 tons	1,000 tons	Dollars	1,000 dollars	1,000 tons		1,000 tons	1,000 tons	Dollars	1,000 dollars	1,000 tons
1974	4,199	4,199	139.00	582,289	242	1982	6,555	5,865	232.00	1,358,896	292
1975	4,366	4,365	142.00	618,178	283	1983	5,506	5,360	199.00	1,064,763	396
1976	4,398	4,093	155.00	635,570	283	1984	5,194	5,169	190.00	980,696	335
1977	4,298	4,296	194.00	835,299	248	1985	5,507	5,607	171.00	959,108	346
1978	4,567	4,318	233.00	1,005,794	229	1986	5,226	5,225	226.00	1,180,182	277
1979	4,989	4,989	236.00	1,179,238	302	1987	5,264	5,250	259.00	1,358,052	356
1980	5,595	5,595	240.00	1,341,092	309	1988	5,986	5,984	251.00	1,501,936	363
1981	4,458	4,458	297.00	1,323,513	256						

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>2</sup> Dried basis; 1 ton of raisins equivalent to about 4-5 tons of fresh grapes. Excludes table varieties dried. <sup>3</sup> Difference between total and utilized production reflects loss of California raisins laid but not harvested due to severe weather damage: 1976-65,000 tons (293,000 tons fresh equivalent); 1978-56,300 tons (248,000 tons fresh equivalent); and total U.S. grape loss, 1982-690,200 tons fresh equivalent; 1983-145,500 tons fresh equivalent; 1984-25,100 tons fresh equivalent; 1975-1,280 tons fresh equivalent; 1977-1,550 tons fresh equivalent; 1986-600 tons fresh equivalent; 1987-13,500 tons fresh equivalent; 1988-1,600 tons fresh equivalent. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 293.—Grapes: Production and marketing year average price per ton, by States, 1986-88

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
AZ	23,000	31,000	25,500	23,000	21,000	24,000	1,090.00	1,010.00	1,250.00
AR	6,000	5,000	7,000	5,500	5,000	7,000	212.00	269.00	300.00
CA:									
All varieties	4,770,000	4,660,000	5,485,000	4,770,000	4,660,000	5,485,000	222.00	258.00	247.00
Wine varieties	2,105,000	1,950,000	2,180,000	2,105,000	1,950,000	2,180,000	207.00	248.00	297.00
Table varieties	620,000	540,000	755,000	620,000	540,000	755,000	307.00	435.00	262.00
Raisin varieties <sup>3</sup>	2,045,000	2,170,000	2,550,000	2,045,000	2,170,000	2,550,000	213.00	223.00	201.00
GA	2,000	2,700	2,500	2,000	2,700	2,500	792.00	870.00	911.00
MI	32,000	60,000	53,000	32,000	60,000	53,000	247.00	260.00	256.00
MO	2,900	2,750	3,250	2,900	2,750	3,250	310.00	351.00	311.00
NY	164,000	178,000	157,000	164,000	178,000	157,000	201.00	228.00	230.00
NC	1,500	1,800	3,300	1,400	1,800	3,200	385.00	360.00	330.00
OH	8,000	10,000	8,900	8,000	10,000	8,900	220.00	216.00	264.00
PA	60,000	62,500	58,000	60,000	62,500	58,000	180.00	235.00	215.00
SC	500	700	500	500	700	500	352.00	344.00	394.00
WA	156,000	249,500	182,000	156,000	246,000	182,000	238.00	225.00	245.00
US	5,225,900	5,263,950	5,985,950	5,225,300	5,250,450	5,984,350	226.00	259.00	251.00

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>3</sup> Fresh equivalent of dried and not dried.

National Agricultural Statistics Service.

Table 294.—Grapes: Production and utilization, United States, 1974-88

Crop of—	Total production	Utilized production	Utilization of quantities sold				
			Fresh <sup>1</sup>	Processed (fresh basis)			
				Canned	Dried	Crushed for wine	Crushed for juice, etc. <sup>2</sup>
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
1974.....	4,198,800	4,198,800	434,490	61,200	1,023,800	2,415,711	263,599
1975.....	4,366,350	4,365,070	498,190	52,700	1,252,400	2,275,480	286,300
1976 <sup>3</sup> .....	4,398,330	4,092,980	466,330	48,000	982,500	2,321,710	274,440
1977.....	4,297,750	4,296,200	481,350	54,000	1,134,000	2,411,500	215,350
1978 <sup>3</sup> .....	4,566,700	4,317,800	437,250	55,000	759,000	2,671,450	395,100
1979.....	4,989,000	4,988,700	524,100	60,000	1,380,900	2,713,100	310,600
1980.....	5,595,200	5,594,900	569,090	63,000	1,620,000	2,996,300	346,510
1981.....	4,458,200	4,457,600	526,490	42,000	1,032,000	2,521,550	335,560
1982 <sup>3</sup> .....	6,555,100	5,864,900	706,380	35,000	1,547,500	3,227,300	348,720
1983 <sup>3</sup> .....	5,505,700	5,360,200	671,090	35,000	1,785,000	2,422,700	446,410
1984.....	5,193,900	5,168,800	676,890	30,000	1,392,500	2,693,150	376,260
1985.....	5,606,700	5,606,600	781,090	45,000	1,565,700	2,919,310	295,500
1986.....	5,225,900	5,225,300	779,420	40,000	1,188,500	2,907,520	309,860
1987.....	5,263,950	5,250,450	716,320	40,000	1,439,000	2,647,610	407,520
1988 <sup>4</sup> .....	5,985,950	5,984,350	796,320	40,000	1,827,000	2,975,460	345,570

<sup>1</sup> Includes "Home use." <sup>2</sup> Mostly juice, but includes some quantities used for jam, jelly, etc. <sup>3</sup> Total production includes loss for California raisin variety grapes laid to raisins but not harvested due to severe weather damage: 1976—293,000 fresh tons, 1978—248,000 fresh tons. California all grapes, 1982—690,000, 1983—145,000.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 295.—Grapes: Production and utilization, by States, crop of 1988 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh <sup>1</sup>	Processed (fresh basis)			
				Canned	Dried <sup>2</sup>	Crushed for—	
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
AZ.....	25,500	24,000	19,400				
AR.....	7,000	7,000	800				
CA:						1,700	4,500
All varieties.....	5,485,000	5,485,000	766,000	40,000	1,827,000	2,852,000	
Wine varieties.....	2,180,000	2,180,000	55,000			2,125,000	
Table varieties.....	755,000	755,000	426,000		17,000	312,000	
Raisin varieties.....	2,550,000	2,550,000	285,000	40,000	1,810,000	415,000	
GA.....	2,500	2,500	1,800				
MI.....	53,000	53,000	1,000			3,000	49,000
MO.....	3,250	3,250	300			1,800	
NY.....	157,000	157,000	4,900			61,500	90,600
OH.....	8,900	8,900	200			1,100	7,600
PA.....	58,000	58,000	1,000			6,000	51,000
WA.....	182,000	182,000	300			46,000	135,700
Other States <sup>4</sup> .....	3,800	3,700	620			2,100	980
US.....	5,985,950	5,984,350	796,320	40,000	1,827,000	2,975,460	345,570

<sup>1</sup> Includes "Home use." <sup>2</sup> Equivalent raisins produced (dried basis): 363,000 tons. <sup>3</sup> Mostly juice, but includes some quantities used for jam, jelly, etc. <sup>4</sup> North Carolina and South Carolina.

National Agricultural Statistics Service.

**Table 296.—Raisins and currants: United States exports by country of destination, 1985/86-1987/88**

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1985/86	1986/87	1987/88		1985/86	1986/87	1987/88
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Europe:</b>				<b>Bermuda and Caribbean:</b>			
Austria.....	133	124	23	Bahamas.....	29	55	64
Belgium and Luxembourg....	1,163	2,382	1,256	Bermuda.....	75	49	62
Denmark.....	3,975	5,199	6,905	Dominican Republic.....	204	199	128
Finland.....	1,795	2,732	2,189	Haiti.....	1	2	2
France.....	317	357	406	Jamaica.....	2	5	10
Germany, Fed. Rep. of.....	5,427	8,103	9,699	Netherlands Antilles.....	88	41	33
Iceland.....	150	198	170	Trinidad and Tobago.....	139	95	59
Ireland.....	74	202	119	Other countries.....	6	6	20
Netherlands.....	3,995	3,736	4,559	<b>Total.....</b>	<b>544</b>	<b>452</b>	<b>378</b>
Norway.....	2,296	2,195	2,098				
Sweden.....	4,993	4,911	4,631	<b>Other countries:</b>			
Switzerland.....	443	513	507	Australia.....	526	126	252
United Kingdom.....	11,933	14,588	20,605	Canada.....	3,439	3,335	4,458
Other countries.....	221	133	529	Hong Kong.....	815	531	607
<b>Total.....</b>	<b>36,915</b>	<b>45,313</b>	<b>53,696</b>	Indonesia.....	71	171	71
				Israel.....	467	608	993
<b>Latin America:</b>				Japan.....	21,528	19,304	25,186
Brazil.....	286	500	113	Korea, Rep. of.....	1,216	2,959	2,800
Colombia.....	328	135	98	Malaysia.....	752	884	1,092
Costa Rica.....	7	10	9	New Zealand.....	1,177	944	921
Ecuador.....	3	4	0	Philippines.....	628	430	382
El Salvador.....	12	6	7	Saudi Arabia.....	961	295	954
Guatemala.....	5	14	23	Singapore.....	1,224	1,107	1,221
Honduras.....	7	13	10	Taiwan.....	2,334	2,740	3,326
Mexico.....	4	24	41	Thailand.....	58	73	72
Panama.....	518	471	347	Other countries.....	802	161	444
Venezuela.....	1,187	908	859	<b>Total.....</b>	<b>35,998</b>	<b>33,668</b>	<b>42,779</b>
Other countries.....	7	8	7	<b>Grand total.....</b>	<b>75,771</b>	<b>81,526</b>	<b>98,367</b>
<b>Total.....</b>	<b>2,314</b>	<b>2,093</b>	<b>1,514</b>				

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 297.—Grapes and raisins: Foreign trade, United States 1974-87**

Year	Grapes		Raisin <sup>1</sup>		Year	Grapes		Raisin <sup>1</sup>	
	Imports, fresh	Domestic exports, fresh	Imports for consumption	Domestic exports		Imports, fresh	Domestic exports, fresh	Imports for consumption	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	19,234	105,284	25	54,227	1981 <sup>2</sup> .....	95,019	97,654	617	56,784
1975.....	21,750	109,425	296	64,873	1982 <sup>2</sup> .....	127,711	129,340	5,298	58,010
1976 <sup>2</sup> .....	30,409	89,631	11,923	37,039	1983 <sup>2</sup> .....	145,649	111,165	2,737	56,495
1977 <sup>2</sup> .....	28,094	102,154	998	56,870	1984 <sup>2</sup> .....	194,068	88,135	675	65,728
1978 <sup>2</sup> .....	43,245	124,654	16,392	21,812	1985 <sup>2</sup> .....	202,592	102,859	4,451	82,093
1979 <sup>2</sup> .....	44,571	93,253	321	77,823	1986 <sup>2</sup> .....	247,846	114,060	6,954	92,916
1980 <sup>2</sup> .....	57,451	135,945	2	68,907	1987 <sup>2</sup> .....	307,459	116,720	9,508	104,215

<sup>1</sup> Raisins converted to sweatbox or production basis by multiplying by 1.08.

<sup>2</sup> Year beginning October for both grapes and raisins. Prior to 1976, year beginning for grapes; September for raisins.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 298.—Nectarines: Production, utilization, and value, California, 1974–88**

Crop of—	Production	Utilization		Marketing year average price per ton <sup>2</sup>	Value
		Fresh <sup>1</sup>	Processed (fresh basis)		
	Tons	Tons	Tons	Dollars	1,000 dollars
1974.....	117,000	115,600	1,400	228.00	26,676
1975.....	111,000	110,000	1,000	275.00	30,525
1976.....	128,000	127,500	500	245.00	31,360
1977.....	155,000	155,000	.....	205.00	31,775
1978.....	148,000	144,700	3,300	307.00	45,436
1979.....	172,000	171,000	1,000	197.00	33,884
1980.....	191,000	190,500	500	231.00	44,045
1981.....	182,000	181,500	500	229.00	41,610
1982.....	178,000	175,900	2,100	249.00	44,254
1983.....	185,000	183,800	1,200	300.00	55,374
1984.....	183,000	182,800	200	316.00	57,779
1985.....	210,000	208,000	2,000	327.00	68,723
1986.....	172,000	170,000	2,000	440.00	75,720
1987.....	191,000	190,500	500	343.00	65,545
1988 <sup>3</sup> .....	200,000	199,000	1,000	394.00	78,861

<sup>1</sup> Includes "Home use."<sup>2</sup> Processing fruit prices are equivalent returns at processing plant door.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 299.—Olives: Production, value, and utilization, California, 1974–88**

Year	Production <sup>1</sup>	Marketing year average price per ton <sup>2</sup>	Value	Utilization		
				Crushed for oil <sup>3</sup>	Canned	Other <sup>4</sup>
	Tons	Dollars	1,000 dollars	Tons	Tons	Tons
1974.....	58,500	434.00	25,389	3,100	46,700	8,700
1975.....	67,000	336.00	22,512	3,800	53,300	9,900
1976.....	80,000	330.00	26,400	3,700	65,500	10,800
1977.....	43,000	403.00	17,329	2,300	32,300	8,400
1978.....	126,000	303.00	38,178	7,300	99,100	19,600
1979.....	62,000	408.00	25,296	1,600	52,300	8,100
1980.....	109,000	368.00	40,137	3,500	76,800	28,700
1981.....	44,900	695.00	31,222	2,000	37,900	5,000
1982.....	146,500	517.00	75,795	2,500	98,000	46,000
1983.....	61,000	519.00	31,641	600	48,000	12,400
1984.....	90,600	557.00	50,441	2,900	76,700	10,600
1985.....	96,000	566.00	54,303	5,800	76,700	13,600
1986.....	111,500	587.00	65,407	6,000	85,000	20,000
1987.....	67,500	608.00	41,053	3,000	55,000	9,000
1988 <sup>5</sup> .....	87,500	577.00	50,449	3,000	70,000	14,000

<sup>1</sup> Production is the quantity sold or utilized.<sup>2</sup> Quantities processed are priced at the first delivery point.<sup>3</sup> About 40 gallons of oil are obtained from 1 ton of olives.<sup>4</sup> Includes Spanish, Greek, and Sicilian styles, halved and chopped, minced, brined, other cures, and a small amount shipped fresh.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.



Table 300.—Olives and olive oil: Foreign trade, United States, 1974-87

Year beginning July	Imports				Year beginning July	Imports			
	Olives		Olive oil			Olives		Olive oil	
	In brine	Dried	Edible	Inedible		In brine	Dried	Edible	Inedible
	<i>1,000 gallons</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>		<i>1,000 gallons</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1974 .....	14,079	1,173	48,427	200	1981 <sup>1</sup> .....	16,913	1,437	( <sup>2</sup> )	( <sup>2</sup> )
1975 .....	15,323	643	59,232	129	1982 <sup>1</sup> .....	17,568	1,312	( <sup>2</sup> )	( <sup>2</sup> )
1976 <sup>1</sup> .....	15,481	1,465	56,288	189	1983 <sup>1</sup> <sup>3</sup> .....	56,611	513	( <sup>2</sup> )	( <sup>2</sup> )
1977 <sup>1</sup> .....	17,809	1,063	59,456	142	1984 <sup>1</sup> <sup>3</sup> .....	59,259	535	( <sup>2</sup> )	( <sup>2</sup> )
1978 <sup>1</sup> .....	13,293	1,190	61,977	143	1985 <sup>1</sup> <sup>3</sup> .....	63,592	662	( <sup>2</sup> )	( <sup>2</sup> )
1979 <sup>1</sup> .....	14,507	1,294	( <sup>2</sup> )	( <sup>2</sup> )	1986 <sup>1</sup> <sup>3</sup> .....	75,167	701	( <sup>2</sup> )	( <sup>2</sup> )
1980 <sup>1</sup> .....	15,322	1,490	( <sup>2</sup> )	( <sup>2</sup> )	1987 <sup>1</sup> <sup>3</sup> .....	72,160	696		

<sup>1</sup> Year beginning October. <sup>2</sup> Not available. <sup>3</sup> Beginning 1983, olives in metric tons.

Economic Research Service and Foreign Agricultural Service. Compiled from the reports of the U.S. Department of Commerce.

Table 301.—Peaches: Production and value, United States, 1974-88

Year	Total production	Utilized production	Season average price	Value	Year	Total production	Utilized production	Season average price <sup>1</sup>	Value
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>		<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>
1974 .....	2,917.2	2,756.3	9.5	260,822	1982 .....	2,285.6	2,101.9	14.4	302,550
1975 .....	2,835.6	2,645.6	10.4	274,958	1983 .....	1,855.3	1,753.8	14.8	259,801
1976 .....	3,018.3	2,641.7	9.6	253,613	1984 .....	2,659.3	2,467.9	13.0	320,671
1977 .....	2,955.4	2,825.7	9.8	277,789	1985 .....	2,147.3	2,046.4	15.0	307,388
1978 .....	2,652.7	2,515.7	12.0	301,143	1986 .....	2,328.4	2,239.9	14.1	314,926
1979 .....	2,938.7	2,834.2	11.6	329,536	1987 .....	2,390.8	2,248.2	13.8	310,852
1980 .....	3,068.6	2,954.1	12.4	367,170	1988 <sup>2</sup> .....	2,619.7	2,459.0	15.6	383,825
1981 .....	2,770.6	2,639.8	13.3	351,610					

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 302.—Peaches: Foreign trade, United States, 1974-87

Year beginning July	Domestic exports					
	Fresh	Dried <sup>1</sup>	Canned	Canned, in fruit salad <sup>2</sup>	Dried, in fruit salad <sup>1 3</sup>	Total, in terms of fresh <sup>4</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974 .....	22,693	303	44,467	15,132	368	86,019
1975 .....	28,454	204	43,827	14,542	387	90,106
1976 <sup>5</sup> .....	27,620	517	53,565	16,527	340	102,473
1977 <sup>5</sup> .....	29,511	( <sup>6</sup> )	82,253	17,254	390	131,185
1978 <sup>5</sup> .....	30,017	( <sup>6</sup> )	55,590	17,039	294	104,279
1979 <sup>5</sup> .....	28,045	( <sup>6</sup> )	59,167	21,863	503	111,869
1980 <sup>5</sup> .....	35,751	( <sup>6</sup> )	59,340	21,826	565	120,056
1981 <sup>5</sup> .....	30,840	( <sup>6</sup> )	36,216	16,653	415	86,015
1982 <sup>5</sup> .....	25,481	( <sup>6</sup> )	33,170	13,813	359	74,458
1983 <sup>5</sup> .....	23,218	( <sup>6</sup> )	12,256	8,407	464	46,459
1984 <sup>5</sup> .....	20,989	( <sup>6</sup> )	11,665	7,558	414	42,462
1985 <sup>5</sup> .....	25,288	( <sup>6</sup> )	15,457	7,210	460	50,511
1986 <sup>5</sup> .....	26,274	( <sup>6</sup> )	14,483	7,894	388	50,807
1987 <sup>5</sup> .....	38,906	( <sup>6</sup> )	19,831	9,475	287	69,806

See footnotes on page 214.

Table 303.—Peaches: Production and season average price per pound, 1986-88

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Cents	Cents	Cents
AL.....	6.0	10.0	24.0	6.0	10.0	22.0	27.2	23.6	20.2
AR.....	9.5	1.4	20.0	9.5	1.4	20.0	17.3	28.1	15.0
CA: Freestone.....	495.0	511.0	523.0	495.0	511.0	523.0	13.8	13.4	15.2
CO.....	6.7	19.0	16.0	6.7	17.0	15.5	31.0	22.4	26.9
CT.....	2.6	2.7	2.7	2.6	2.5	2.6	48.0	52.0	55.0
DE.....	2.7	.9	3.1	2.7	.9	3.1	18.5	18.9	21.3
GA.....	105.0	100.0	140.0	101.0	98.0	132.0	19.7	18.1	20.1
ID.....	11.0	11.3	11.8	11.0	10.0	11.2	23.6	16.7	26.0
IL.....	21.0	20.0	20.0	20.5	19.0	19.5	24.0	27.5	24.0
IN.....	4.0	7.5	4.5	4.0	7.5	4.5	33.0	28.9	30.9
KS.....	5.0	2.5	4.5	4.5	2.4	3.7	37.0	30.0	37.0
KY.....	2.0	9.0	6.0	2.0	8.9	5.5	20.4	24.5	28.0
LA.....	.2	.6	6.0	.2	.5	5.4	34.0	46.0	32.0
MD.....	20.0	11.0	12.8	20.0	9.0	9.8	20.4	15.4	18.9
MA.....	1.9	2.0	2.2	1.8	2.0	2.1	48.0	52.0	55.0
MI.....	50.0	60.0	45.0	50.0	59.0	45.0	17.7	16.1	17.8
MS.....	.3	.5	4.0	.3	.5	3.5	33.0	31.0	26.5
MO.....	12.0	13.0	14.0	12.0	13.0	14.0	21.0	18.7	22.5
NJ.....	105.0	80.0	85.0	100.0	76.0	80.0	23.6	22.7	24.4
NY.....	14.0	14.3	14.1	14.0	13.8	13.7	23.6	21.5	27.2
NC.....	25.0	25.0	36.0	20.9	23.0	30.0	15.7	16.8	16.7
OH.....	2.5	9.0	6.0	2.5	9.0	6.0	29.0	28.0	31.0
OK.....	5.5	4.0	26.0	5.5	4.0	26.0	33.4	36.8	24.8
OR.....	13.0	15.0	14.0	13.0	14.0	13.0	27.3	27.5	28.1
PA.....	100.0	85.0	85.0	100.0	85.0	80.0	18.2	17.5	19.6
SC.....	260.0	350.0	340.0	248.0	300.0	290.0	16.0	14.9	18.5
TN.....	4.0	2.6	11.0	3.7	2.5	9.0	24.0	34.6	29.7
TX.....	10.0	6.0	18.0	9.5	4.8	16.1	39.0	38.0	35.7
UT.....	10.5	10.5	11.0	10.5	9.5	10.8	17.7	16.0	19.0
VA.....	28.0	27.0	29.0	26.0	24.0	27.0	21.2	17.1	14.7
WA.....	40.0	43.0	50.0	40.0	43.0	50.0	22.8	16.5	19.3
WV.....	23.0	17.0	20.0	23.0	17.0	20.0	14.5	13.4	16.9
Total above.....	1,395.4	1,471.8	1,604.7	1,366.4	1,398.2	1,514.0	17.7	16.5	18.9
CA: Clingstone <sup>3</sup> .....	933.0	920.0	1,015.0	873.5	850.0	945.0	8.4	9.5	10.4
US.....	2,328.4	2,390.8	2,619.7	2,239.9	2,248.2	2,459.0	14.1	13.8	15.6

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>3</sup> Mainly for canning. Total production includes culls and cannery diversions not utilized as follows (million pounds): 67.5 in 1985, 59.5 in 1986, 70.0 in 1987, and 70.00 in 1988. <sup>4</sup> No significant commercial production due to frost.

National Agricultural Statistics Service.

Table 304.—Peaches and nectarines, fresh: Production in specified countries, 1986-88

Continent and country	1986	1987	1988 <sup>1</sup>	Continent and country	1986	1987	1988 <sup>1</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Africa:			
Canada.....	33.2	44.9	45.6	South Africa.....	146.4	148.9	151.0
United States.....	1,212.2	1,257.7	1,369.7	Total.....	146.4	148.9	151.0
Mexico.....	252.9	230.0	264.5	Asia:			
Total.....	1,498.3	1,532.6	1,679.8	Japan.....	219.2	212.3	202.9
South America:				Total.....	219.2	212.3	202.9
Argentina.....	209.0	181.1	260.0	Oceania:			
Chile.....	148.9	147.0	151.4	Australia.....	68.4	73.0	75.0
Total.....	357.9	328.1	411.4	New Zealand.....	27.0	28.0	28.5
Europe:				Total.....	95.4	101.0	103.5
France.....	473.1	487.9	460.0	Total specified countries.....	5,386.3	5,586.0	5,827.1
Germany, Fed. Rep. of...	31.2	23.4	25.4				
Greece.....	512.1	543.8	590.1				
Italy.....	1,436.0	1,542.0	1,476.1				
Spain.....	527.2	588.1	654.9				
Yugoslavia.....	89.5	77.9	72.0				
Total.....	3,069.1	3,263.1	3,278.5				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 305.—Peaches: Production and utilization, United States, 1974–88

Crop of—	Total production <sup>1</sup>	Utilized production	Utilization of quantities sold				
			Fresh <sup>2</sup>	Processed (fresh basis)			
				Canned	Dried	Frozen	Other <sup>3</sup>
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1974.....	2,917.2	2,756.3	952.0	1,650.6	29.0	78.1	46.6
1975.....	2,835.6	2,645.6	1,089.6	1,432.0	38.0	52.7	23.3
1976.....	3,018.3	2,641.7	1,151.2	1,326.3	30.0	109.8	24.4
1977.....	2,955.4	2,825.7	1,144.0	1,504.7	42.0	109.8	25.2
1978.....	2,652.7	2,515.7	1,135.8	1,230.8	35.0	69.8	44.3
1979.....	2,988.7	2,834.2	1,250.5	1,427.6	33.0	93.5	29.6
1980.....	3,068.6	2,954.1	1,324.1	1,498.3	34.0	77.1	20.6
1981.....	2,770.6	2,639.8	1,331.0	1,173.7	34.8	78.3	22.0
1982.....	2,285.6	2,101.9	976.9	983.9	45.0	70.5	25.6
1983.....	1,855.3	1,753.8	967.1	675.4	36.0	64.3	11.0
1984.....	2,659.3	2,467.9	1,286.9	1,028.5	28.0	89.0	35.5
1985.....	2,147.3	2,046.4	924.8	982.6	32.5	93.3	13.2
1986.....	2,328.4	2,239.9	1,112.8	926.9	32.5	136.3	31.4
1987.....	2,390.8	2,248.2	1,123.3	876.8	35.0	144.9	68.2
1988 <sup>4</sup> .....	2,619.7	2,459.0	1,231.8	982.0	41.2	134.9	69.1

<sup>1</sup> Includes culls and cannery diversions for California Clingstone peaches (tons): 1973—81,000; 1974—76,000; 1975—81,000; 1976—77,000; 1977—57,500; 1978—60,000; 1979—45,000; 1980—56,500; 1981—48,000; 1982—79,500; 1983, 1984, 1985, 1986, 1987, 1988—None. <sup>2</sup> Includes "Home use." <sup>3</sup> Used for jams, preserves, brandy, etc. Includes small quantities frozen for some years. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 306.—Peaches: Production and utilization, by States, crop of 1988 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh <sup>1</sup>	Processed (fresh basis)			
				Canned	Dried	Frozen	Other <sup>2</sup>
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
CA, all <sup>3</sup> .....	1,538.0	1,468.0	320.0	930.3	41.2	114.5	.....
Clingstone <sup>3</sup> .....	1,015.0	945.0	.....	883.0	.....	.....	.....
Freestone.....	523.0	523.0	320.0	47.3	41.2	114.5	.....
GA.....	140.0	132.0	.....	.....	.....	.....	.....
NJ.....	85.0	80.0	.....	.....	.....	.....	.....
PA.....	85.0	80.0	73.1	.....	.....	.....	.....
SC.....	340.0	290.0	261.0	.....	.....	.....	.....
WA.....	50.0	50.0	.....	.....	.....	.....	.....
Other States <sup>4</sup> .....	381.7	359.0	577.7	51.7	.....	20.4	69.1
US.....	2,619.7	2,459.0	1,231.8	982.0	41.2	134.9	69.1

<sup>1</sup> Includes "Home use." <sup>2</sup> Used for jams, preserves, brandy, etc. <sup>3</sup> Difference between total and utilized production is culls and cannery diversions. <sup>4</sup> Data not published to avoid disclosure of individual operations, but included in "Other States" and U.S. totals. \* Alabama, Arkansas, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Mississippi, Missouri, New York, North Carolina, Ohio, Oklahoma, Oregon, Tennessee, Texas, Utah, Virginia, and West Virginia.

National Agricultural Statistics Service.

**Table 307.—Peaches, canned: United States exports by country of destination, 1986/87-1988/89**

Country of destination	Year beginning June			Country of destination	Year beginning June		
	1986/87	1987/88	1988/89		1986/87	1987/88	1988/89
	<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>		<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>
<b>Europe:</b>				<b>Bermuda and Carribean:</b>			
Austria.....	0	0	0	Bahamas.....	974	2,864	2,812
Belgium and Luxembourg.....	0	57	0	Bermuda.....	3,816	1,382	3,350
Denmark.....	0	640	77	Dominican Republic.....	1,733	320	759
Finland.....	4,161	5,041	4,511	Netherlands Antilles.....	852	2,444	102
Germany, Fed. Rep. of.....	321	1,277	95	Trinidad and Tobago.....	1,861	0	0
Greece.....	3,485	1,780	1,730	Other countries.....	123	159	600
Netherlands.....	8,552	5,771	5,874	<b>Total.....</b>	<b>9,359</b>	<b>7,169</b>	<b>7,623</b>
Norway.....	12,293	4,852	3,283				
Sweden.....	7,776	7,236	1,257	<b>Other countries:</b>			
Switzerland.....	2,571	2,312	0	Canada.....	118,925	113,294	85,975
United Kingdom.....	3,442	3,466	4,964	Hong Kong.....	7,664	21,771	25,939
Other countries.....	401	0	0	Taiwan.....	70,693	140,401	154,521
<b>Total.....</b>	<b>43,008</b>	<b>43,002</b>	<b>21,791</b>	Japan.....	425,746	484,971	441,557
				Kuwait.....	8,644	3,602	5,281
<b>Latin America:</b>				Saudi Arabia.....	13,447	9,502	13,356
Colombia.....	115	1,295	914	Singapore.....	20,976	30,538	24,468
Panama.....	31,513	20,674	19,963	Other countries.....	29,775	27,604	46,623
Other countries.....	3,576	9,101	18,082	<b>Total.....</b>	<b>695,870</b>	<b>831,683</b>	<b>795,720</b>
<b>Total.....</b>	<b>35,204</b>	<b>31,071</b>	<b>33,959</b>	<b>Grand total.....</b>	<b>783,441</b>	<b>912,295</b>	<b>859,093</b>

<sup>1</sup> Equivalent cases, 45-pound net weight.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 308.—Pears: Production and value, United States 1974-88**

Year	Total production	Utilized production	Season average price <sup>1</sup>	Value	Year	Total production	Utilized production	Season average price <sup>1</sup>	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
1974.....	741,720	740,660	169.00	125,389	1982.....	803,950	802,730	183.00	147,179
1975.....	748,000	741,800	143.00	105,765	1983.....	774,650	774,450	170.00	131,864
1976.....	839,100	819,100	124.00	101,890	1984.....	709,550	696,750	229.00	159,730
1977.....	781,600	779,500	146.00	113,520	1985.....	747,150	747,000	269.00	201,109
1978.....	723,250	723,250	219.00	158,724	1986.....	766,350	760,350	267.00	202,760
1979.....	854,700	854,200	204.00	174,295	1987.....	940,250	937,600	198.00	185,712
1980.....	897,350	896,350	196.00	175,832	1988 <sup>2</sup> .....	860,950	860,600	273.00	235,118
1981.....	897,000	893,950	187.00	167,321					

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 302

<sup>1</sup> Net processed weight. <sup>2</sup> Canned peaches are 40 percent of total canned fruit for salad. <sup>3</sup> Dried peaches are 21 percent of total dried fruit for salad. <sup>4</sup> Dried fruit converted to unprocessed dry weight by dividing by 1.08. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 6.0 pounds fresh. Canned peaches converted to terms of fresh on basis that 1 pound canned equals about 1 pound fresh. <sup>5</sup> Year beginning October. <sup>6</sup> Not available.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 309.—Pears: Production and season average price per ton, by States, 1986–88**

Variety and State	Total production			Utilized production			Price <sup>2</sup> for crop—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
CA, all.....	294,000	337,000	302,000	294,000	337,000	302,000	232.00	192.00	247.00
Bartlett.....	285,000	325,000	291,000	285,000	325,000	291,000	223.00	176.00	238.00
Other.....	9,000	12,000	11,000	9,000	12,000	11,000	522.00	645.00	477.00
CO.....	1,750	8,000	3,800	1,750	6,400	3,700	280.00	199.00	251.00
CT.....	1,600	1,450	1,650	1,600	1,450	1,600	485.00	500.00	520.00
MI.....	11,000	8,000	8,000	11,000	8,000	8,000	233.00	236.00	257.00
NY.....	19,000	15,000	17,300	18,000	14,500	17,300	210.00	259.00	235.00
OR, all.....	167,000	228,000	213,000	162,000	228,000	213,000	304.00	192.00	285.00
Bartlett.....	55,000	78,000	68,000	50,000	78,000	68,000	243.00	183.00	253.00
Other.....	112,000	150,000	145,000	112,000	150,000	145,000	331.00	197.00	300.00
PA.....	3,800	3,200	3,200	3,800	3,050	3,000	325.00	270.00	339.00
UT.....	2,200	3,600	2,000	2,200	3,200	2,000	345.00	272.00	384.00
WA, all.....	266,000	336,000	310,000	266,000	336,000	310,000	285.00	202.00	291.00
Bartlett.....	126,000	171,000	147,600	126,000	171,000	147,000	225.00	189.00	244.00
Other.....	140,000	165,000	163,000	140,000	165,000	163,000	339.00	215.00	333.00
US.....	766,350	940,250	860,950	760,350	937,600	860,600	267.00	198.00	273.00

<sup>1</sup> Preliminary.

<sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. National Agricultural Statistics Service.

**Table 310.—Pears, fresh (dessert and cooking): Production in specified countries, 1986/87–1988/89 <sup>1</sup>**

Continent and country	1986/87	1987/88	1988/89 <sup>2</sup>	Continent and country	1986/87	1987/88	1988/89 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Other Europe—Con.			
Canada <sup>3</sup> .....	24	28	25	Sweden.....	4	3	4
Mexico.....	58	55	50	Switzerland.....	24	40	149
United States <sup>3</sup> .....	695	853	781	Turkey.....	380	370	380
Total.....	777	936	856	Yugoslavia.....	169	147	173
South America:				Total.....	632	601	767
Argentina.....	252	211	227	Total Europe.....	3,507	3,717	3,654
Chile.....	74	80	110	Africa:			
Total.....	326	291	337	South Africa.....	173	198	195
European Community:				Total.....	173	198	195
Belgium and Luxembourg.....	81	91	84	Asia:			
Denmark.....	4	3	4	Japan.....	489	476	454
France.....	348	440	344	Total.....	489	476	454
Germany, Fed. Rep. of.....	499	294	498	Oceania:			
Greece.....	111	94	110	Australia.....	146	150	128
Italy.....	913	901	987	New Zealand.....	14	16	16
Netherlands.....	91	140	84	Total.....	160	166	144
Spain.....	361	519	459	Total specified countries.....	5,432	5,784	5,640
United Kingdom.....	467	634	317				
Total EC.....	2,875	3,116	2,887				
Other Europe:							
Austria.....	51	36	54				
Norway.....	4	5	7				

<sup>1</sup> May include some cider varieties in countries not reporting separately.<sup>2</sup> Preliminary.<sup>3</sup> Commercial crop.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 311.—Pears: Foreign trade, United States, 1974-87

Year beginning July	Imports for consumption, fresh	Domestic exports					
		Fresh <sup>1</sup>	Canned	Dried <sup>1</sup>	Dried, in fruit salad <sup>1 2</sup>	Canned, in fruit salad <sup>3</sup>	Total, in terms of fresh fruit <sup>4</sup>
		Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1974 .....	8,409	34,618	2,883	98	292	13,240	53,205
1975 .....	7,079	33,914	3,567	259	307	12,724	53,777
1976 <sup>5</sup> .....	4,298	27,489	3,348	285	270	14,461	48,800
1977 <sup>5</sup> .....	5,775	35,744	4,320	( <sup>6</sup> )	310	15,097	57,117
1978 <sup>5</sup> .....	6,828	39,085	3,009	( <sup>6</sup> )	234	14,908	58,479
1979 <sup>5</sup> .....	8,054	39,370	2,625	( <sup>6</sup> )	399	19,130	63,643
1980 <sup>5</sup> .....	9,425	49,246	3,003	( <sup>6</sup> )	448	19,098	74,174
1981 <sup>5</sup> .....	9,327	49,512	2,689	( <sup>6</sup> )	329	14,572	68,849
1982 <sup>5</sup> .....	9,896	34,698	2,026	( <sup>6</sup> )	285	12,086	50,611
1983 <sup>5</sup> .....	13,188	35,066	1,108	( <sup>6</sup> )	368	7,356	45,851
1984 <sup>5</sup> .....	18,604	25,914	1,075	( <sup>6</sup> )	329	6,614	35,679
1985 <sup>5</sup> .....	25,663	30,516	1,024	( <sup>6</sup> )	365	6,308	40,151
1986 <sup>5</sup> .....	31,733	36,932	1,003	( <sup>6</sup> )	308	6,907	46,786
1987 <sup>5</sup> .....	32,499	44,882	1,140	( <sup>6</sup> )	228	8,291	55,752

<sup>1</sup> Net processed weight.<sup>2</sup> Dried pears are 16% percent of total dried fruit for salad.<sup>3</sup> Canned pears are 35 percent of total canned fruit for salad.<sup>4</sup> Dried converted to unprocessed dry weight by dividing by 1.03. Unprocessed dry weight converted to terms of fresh on the basis that 1 pound dried equals about 6.5 pounds fresh. Canned converted to terms of fresh on basis that 1 pound of canned equals about 1 pound fresh.<sup>5</sup> Year beginning October.<sup>6</sup> Not available.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 312.—Pears: Production and utilization, United States, 1974-88

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh <sup>1</sup>	Processed (fresh basis)	
				Canned <sup>2</sup>	Dried
	Tons	Tons	Tons	Tons	Tons
1974 .....	741,720	740,660	295,960	439,600	5,100
1975 .....	748,000	741,800	326,780	( <sup>3</sup> )	( <sup>3</sup> )
1976 .....	839,100	819,100	339,230	( <sup>3</sup> )	( <sup>3</sup> )
1977 .....	781,600	779,500	298,200	( <sup>3</sup> )	( <sup>3</sup> )
1978 .....	723,250	723,250	297,070	( <sup>3</sup> )	( <sup>3</sup> )
1979 .....	854,700	854,200	300,100	( <sup>3</sup> )	( <sup>3</sup> )
1980 .....	897,350	896,350	345,060	( <sup>3</sup> )	( <sup>3</sup> )
1981 .....	897,000	893,950	377,950	( <sup>3</sup> )	( <sup>3</sup> )
1982 .....	803,950	802,730	368,130	( <sup>3</sup> )	( <sup>3</sup> )
1983 .....	774,650	774,450	384,450	( <sup>3</sup> )	( <sup>3</sup> )
1984 .....	709,550	696,750	324,050	( <sup>3</sup> )	( <sup>3</sup> )
1985 .....	747,150	747,000	349,700	( <sup>3</sup> )	( <sup>3</sup> )
1986 .....	766,350	760,350	375,420	( <sup>3</sup> )	( <sup>3</sup> )
1987 .....	940,250	937,600	456,350	( <sup>3</sup> )	( <sup>3</sup> )
1988 <sup>4</sup> .....	860,950	860,600	427,340	( <sup>3</sup> )	( <sup>3</sup> )

<sup>1</sup> Includes "Home use."<sup>2</sup> For some States includes some dried or otherwise processed.<sup>3</sup> Not published to avoid disclosure of individual operation.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 313.—Pears: Production and utilization, by States, crop of 1988 (preliminary)

State and variety	Total production	Utilized production	Utilization	
			Fresh <sup>1</sup>	Processed <sup>2</sup>
	Tons	Tons	Tons	Tons
CA, all.....	302,000	302,000	( <sup>3</sup> )	( <sup>3</sup> )
Bartlett.....	291,000	291,000	63,700	227,300
Other.....	11,000	11,000	( <sup>3</sup> )	( <sup>3</sup> )
CO.....	3,800	3,700	( <sup>3</sup> )	( <sup>3</sup> )
CT.....	1,650	1,600	1,600	( <sup>3</sup> )
MI.....	8,000	8,000	( <sup>3</sup> )	( <sup>3</sup> )
NY.....	17,300	17,300	( <sup>3</sup> )	( <sup>3</sup> )
OR, all.....	213,000	213,000	( <sup>3</sup> )	( <sup>3</sup> )
Bartlett.....	68,000	68,000	15,500	52,500
Other.....	145,000	145,000	( <sup>3</sup> )	( <sup>3</sup> )
PA.....	3,200	3,000	( <sup>3</sup> )	( <sup>3</sup> )
UT.....	2,000	2,000	2,000	( <sup>3</sup> )
WA, all.....	310,000	310,000	( <sup>3</sup> )	( <sup>3</sup> )
Bartlett.....	147,000	147,000	42,000	105,000
Other.....	163,000	163,000	( <sup>3</sup> )	( <sup>3</sup> )
US.....	860,950	860,600	427,340	433,260

<sup>1</sup> Includes "Home use."<sup>2</sup> Mostly canned, but includes small quantities dried, juiced, and other uses.<sup>3</sup> Data not published to avoid disclosure of individual operations, but included in U.S. totals.

National Agricultural Statistics Service.

Table 314.—Papayas: Area, yield, production, utilization, marketing year average price, and value, Hawaii, 1974-88

Year	Area harvested	Utilized production	Utilization		Price per pound	Value
			Fresh	Processed		
	Acres	1,000 pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
1974.....	1,690	37,224	34,529	2,695	13.1	4,871
1975.....	1,840	39,896	34,952	4,944	14.2	5,668
1976.....	1,930	50,037	43,588	6,449	12.3	6,134
1977.....	2,156	63,548	53,987	9,561	11.9	7,565
1978.....	2,190	64,000	54,624	9,376	13.0	8,304
1979.....	2,210	41,015	36,446	4,569	23.2	9,513
1980.....	1,950	48,916	45,360	3,556	20.4	9,964
1981.....	2,110	66,390	58,170	8,220	18.7	12,412
1982.....	2,170	52,750	44,770	7,980	21.8	11,484
1983.....	2,120	61,400	46,300	15,100	18.9	11,591
1984.....	2,590	80,500	67,000	13,500	11.4	9,196
1985.....	2,650	60,400	49,250	11,150	14.2	8,579
1986.....	2,400	61,000	50,100	10,900	18.2	11,123
1987.....	2,350	67,000	56,000	11,000	16.5	11,050
1988 <sup>1</sup> .....	2,300	69,000	57,000	12,000	17.9	12,354

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 315.—Plums, California: Production, value, and utilization, 1974–88

Season	Total production	Utilized production	Season average price per ton <sup>1</sup>	Value	Utilization of quantities sold	
					Fresh <sup>2</sup>	Processed
	Tons	Tons	Dollars	1,000 dollars	Tons	Tons
1974.....	143,000	143,000	275.00	39,325	140,000	3,000
1975.....	124,000	124,000	279.00	34,596	121,360	2,640
1976.....	115,000	115,000	380.00	43,700	111,900	3,100
1977.....	157,000	157,000	313.00	49,141	156,000	1,000
1978.....	154,000	154,000	370.00	56,980	151,000	3,000
1979.....	175,000	175,000	277.00	48,475	173,000	2,000
1980.....	160,000	160,000	449.00	71,810	157,400	2,600
1981.....	197,500	197,500	309.00	61,062	194,300	3,200
1982.....	118,000	118,000	620.00	73,139	116,600	1,400
1983.....	158,500	158,500	435.00	69,020	155,700	2,800
1984.....	225,000	225,000	212.00	47,796	221,000	4,000
1985.....	166,500	166,500	514.00	85,512	( <sup>3</sup> )	( <sup>3</sup> )
1986.....	152,000	152,000	657.00	99,857	( <sup>3</sup> )	( <sup>3</sup> )
1987.....	245,000	245,000	308.00	75,361	( <sup>3</sup> )	( <sup>3</sup> )
1988 <sup>4</sup> .....	216,000	216,000	475.00	102,661	( <sup>3</sup> )	( <sup>3</sup> )

<sup>1</sup> Fresh fruit prices are equivalent returns at point of first sale. Processing fruit prices are equivalent returns at processing plant door.

<sup>2</sup> Includes "Home use."

<sup>3</sup> Missing data not published to avoid disclosure of individual operations, but included in total.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 316.—Pomegranates: Production, marketing year average price, and value, California, 1974–88

Year	Total production	Utilized production	Price per ton	Value	Year	Total production	Utilized production	Price per ton	Value
	Tons	Tons	Dollars	1,000 dollars		Tons	Tons	Dollars	1,000 dollars
1974.....	8,100	8,100	151.00	1,223	1982.....	16,000	14,400	232.00	3,341
1975.....	8,600	8,600	143.00	1,230	1983.....	20,000	18,900	272.00	5,147
1976.....	9,000	9,000	210.00	1,890	1984.....	20,000	19,000	106.00	2,010
1977.....	10,000	10,000	143.00	1,430	1985.....	19,400	17,400	318.00	5,529
1978.....	9,500	9,500	233.00	2,214	1986.....	22,000	19,400	395.00	7,666
1979.....	13,000	11,000	324.00	3,564	1987.....	18,500	16,500	340.00	5,617
1980.....	17,000	16,000	259.00	4,144	1988 <sup>1</sup> .....	20,000	18,000	351.00	6,318
1981.....	16,500	14,800	278.00	4,114					

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.



**Table 317.—Prunes and plums: <sup>1</sup> Production, value, and utilization, 4 States, 1974-88**

Year	Total- production	Utilized production	Season average price per ton	Value	Utilization of quantities sold			
					Fresh <sup>2</sup>	Processed (fresh basis)		
						Dried and other	Canned <sup>3</sup>	Frozen
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1974.....	71,200	71,200	150.00	10,685	35,350	( <sup>4</sup> )	21,665	( <sup>4</sup> )
1975.....	75,600	71,600	113.00	8,097	34,550	11,000	23,500	2,550
1976.....	77,000	73,500	123.00	9,046	38,150	12,850	29,900	1,600
1977.....	61,000	58,000	158.00	9,175	30,700	11,800	14,200	1,900
1978.....	69,800	69,200	156.00	10,797	40,950	9,050	16,100	3,100
1979.....	59,200	59,200	209.00	12,382	34,100	11,400	11,800	1,900
1980.....	76,600	76,600	179.00	13,741	40,500	6,400	18,500	2,200
1981.....	65,100	62,600	156.00	9,754	32,900	11,300	16,900	1,500
1982.....	51,500	47,500	269.00	12,754	26,550	11,300	8,250	1,400
1983.....	51,200	49,200	199.00	9,778	30,000	8,670	9,430	1,100
1984.....	52,000	51,000	208.00	10,633	28,200	10,800	11,400	600
1985.....	51,700	48,100	230.00	11,047	21,700	10,700	14,400	1,900
1986.....	48,100	44,100	260.00	11,448	20,400	9,200	13,200	1,900
1987.....	51,500	47,200	146.00	6,667	23,600	10,500	11,900	1,200
1988 <sup>5</sup> .....	52,000	48,100	183.00	8,805	24,000	9,400	13,400	1,300

<sup>1</sup> Idaho, Michigan, Oregon, and Washington. Mostly prunes; however, estimates include small quantities of plums in all States.

<sup>2</sup> Includes "Home use."

<sup>3</sup> Beginning 1974, some quantities dried or otherwise processed are included in "Frozen" until 1975. Beginning 1975, other uses included in "Dried."

<sup>4</sup> Not published to avoid disclosure of individual operations.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 318.—Prunes and plums (fresh basis): Production and season average price per ton, by States, 1986-88**

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
ID.....	5,000	6,200	6,500	5,000	5,900	5,600	477.00	134.00	283.00
MI.....	11,000	16,000	11,000	11,000	14,000	11,000	243.00	144.00	198.00
OR.....	23,000	17,000	21,000	19,000	15,000	18,000	161.00	147.00	140.00
WA.....	9,100	12,300	13,500	9,100	12,300	13,500	366.00	134.00	187.00
Total, 4 States.....	48,100	51,500	52,000	44,100	47,200	48,100	260.00	141.00	183.00

<sup>1</sup> Preliminary.

<sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for Oregon and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 319.—Prunes (dried basis), California: Production, price and value, 1974-88 <sup>1</sup>

Season	Production <sup>2</sup>	Season average price per ton <sup>3</sup>	Value
	Tons	Dollars	1,000 dollars
1974.....	142,000	440.00	62,480
1975.....	149,000	402.00	59,898
1976.....	148,000	412.00	60,976
1977.....	159,000	499.00	79,341
1978.....	132,000	696.00	91,872
1979.....	136,000	812.00	110,432
1980.....	168,000	683.00	114,744
1981.....	159,500	654.00	104,313
1982.....	126,000	679.00	85,554
1983.....	145,000	667.00	96,715
1984.....	148,000	693.00	102,564
1985.....	141,000	680.00	95,880
1986.....	99,000	819.00	81,081
1987 <sup>4</sup> .....	229,000	735.00	168,315
1988 <sup>4</sup> .....	155,000	735.00	113,925

<sup>1</sup> The drying ratio is approximately 3 pounds of fresh fruit to 1 pound of dried fruit.<sup>2</sup> Production all utilized.<sup>3</sup> Equivalent returns at the processing plant door.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 320.—Prunes and plums: <sup>1</sup> Utilization and season average price per ton, 1983-88

State and season	Quantity				Price <sup>4</sup>			
	Fresh <sup>2</sup>	Dried and other <sup>3</sup>	Canned	Frozen	Fresh	Dried and other	Canned	Frozen
ID:	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars	Dollars
1983.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1988.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
MI:								
1983.....	5,200	( <sup>5</sup> )	5,700	( <sup>5</sup> )	270.00	( <sup>5</sup> )	127.00	( <sup>5</sup> )
1984.....	5,500	( <sup>5</sup> )	5,700	( <sup>5</sup> )	363.00	( <sup>5</sup> )	203.00	( <sup>5</sup> )
1985.....	4,400	( <sup>5</sup> )	6,100	( <sup>5</sup> )	385.00	( <sup>5</sup> )	238.00	( <sup>5</sup> )
1986.....	5,500	( <sup>5</sup> )	5,000	( <sup>5</sup> )	370.00	( <sup>5</sup> )	115.00	( <sup>5</sup> )
1987.....	7,500	( <sup>5</sup> )	6,000	( <sup>5</sup> )	197.00	( <sup>5</sup> )	83.00	( <sup>5</sup> )
1988.....	5,000	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	269.00	( <sup>5</sup> )	138.00	( <sup>5</sup> )
OR:								
1983.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1988.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
WA:								
1983.....	12,100	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	189.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	11,400	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	189.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	7,400	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	437.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	7,600	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	164.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1988.....	10,500	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	228.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Total 4 States:								
1983.....	30,000	8,670	9,430	1,100	257.00	95.00	118.00	129.00
1984.....	28,200	10,800	11,400	600	266.00	70.00	198.00	225.00
1985.....	21,700	10,700	14,400	1,300	329.00	113.00	175.00	140.00
1986.....	20,400	9,200	13,200	1,300	432.00	117.00	107.00	111.00
1987.....	23,600	10,500	11,900	1,200	175.00	106.00	107.00	135.00
1988.....	24,000	9,400	13,400	1,300	249.00	118.00	116.00	128.00

<sup>1</sup> Michigan, Idaho, Washington, and Oregon. Mostly prunes; however, estimates include small quantities of plums in all States.<sup>2</sup> Includes "Home use."<sup>3</sup> Some quantities otherwise processed are included to avoid disclosure of individual operations.<sup>4</sup> Prices for fresh sales are average prices as sold for Idaho and Michigan; equivalent packinghouse door returns for Oregon and Washington. Quantities processed are priced at the equivalent processing plant door level.<sup>5</sup> Not published to avoid disclosure of individual operations, but is included in total.

National Agricultural Statistics Service.

Table 321.—Prunes, dried: United States exports by country of destination, 1985/86–1987/88

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1985/86	1986/87	1987/88		1985/86	1986/87	1987/88
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Bermuda and Caribbean:			
Austria.....	214	380	229	Bermuda.....	10	3	9
Belgium and Luxembourg.....	584	524	631	Dominican Republic.....	77	51	89
Denmark.....	1,716	2,073	2,411	Haiti.....	1	0	2
Finland.....	2,209	2,227	2,208	Netherlands Antilles.....	97	90	51
France.....	1,286	915	891	Trinidad and Tobago.....	257	113	223
Germany, Fed. Rep. of.....	6,304	7,538	9,421	Other countries.....	10	1	11
Iceland.....	12	22	9	Total.....	452	258	385
Ireland.....	32	37	51				
Italy.....	9,210	6,691	8,129	Other countries:			
Netherlands.....	2,396	2,332	1,404	Australia.....	945	522	473
Norway.....	1,287	1,472	1,538	Canada.....	2,327	3,055	3,353
Spain.....	2,053	2,430	1,678	Hong Kong.....	744	506	838
Sweden.....	2,372	2,988	3,451	Israel.....	539	1,200	1,370
Switzerland.....	651	544	672	Japan.....	7,145	9,221	10,103
United Kingdom.....	3,077	3,115	3,354	Malaysia.....	127	207	422
Other countries.....	474	303	233	New Zealand.....	348	285	365
Total.....	33,857	33,571	36,310	Singapore.....	823	563	660
				Taiwan.....	667	617	1,587
Latin America:				Other countries.....	317	333	583
Brazil.....	73	6	8	Total.....	14,482	16,509	19,754
Colombia.....	8	2	4				
Costa Rica.....	5	4	5	Grand total.....	50,938	52,258	59,163
Guatemala.....	8	7	29				
Mexico.....	1,354	1,403	1,730				
Panama.....	167	180	153				
Venezuela.....	507	295	740				
Other countries.....	11	23	45				
Total.....	2,133	1,920	2,714				

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 322.—Prunes: Foreign trade, United States, 1974-87

Year beginning July	Imports				Domestic exports			
	Fresh prunes and plums	Otherwise prepared or preserved	Dried prunes <sup>1</sup>	Total, in terms of fresh <sup>2</sup>	Fresh prunes and plums	Dried prunes <sup>1</sup>	Dried, in fruit salad <sup>1 a</sup>	Total, in terms of fresh <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	720	806	30	1,523	16,755	36,201	754	112,696
1975.....	1,379	946	270	2,330	19,865	63,715	792	187,335
1976 <sup>4</sup> .....	819	885	498	2,308	21,482	47,910	696	147,671
1977 <sup>4</sup> .....	1,479	771	263	2,855	23,400	52,648	799	162,157
1978 <sup>4</sup> .....	1,390	806	359	3,047	20,175	43,260	603	134,050
1979 <sup>4</sup> .....	835	803	267	2,251	21,236	43,983	1,030	138,097
1980 <sup>4</sup> .....	1,526	760	58	2,360	25,813	56,440	1,156	175,341
1981 <sup>4</sup> .....	1,657	784	86	2,586	21,562	59,061	849	177,098
1982 <sup>4</sup> .....	3,801	843	459	5,750	19,607	49,573	735	150,214
1983 <sup>4</sup> .....	6,060	1,106	636	8,705	25,897	52,731	949	165,259
1984 <sup>4</sup> .....	13,516	1,291	647	16,357	20,850	46,006	848	142,490
1985 <sup>4</sup> .....	15,170	859	1,369	19,496	23,680	50,832	942	158,093
1986 <sup>4</sup> .....	17,937	871	1,354	22,235	33,312	52,648	795	172,058
1987 <sup>4</sup> .....	16,943	457	444	18,507	39,862	59,299	588	195,338

<sup>1</sup> Net processed weight.<sup>2</sup> Exports and imports of dried prunes converted to unprocessed dry weight by dividing by 1.04. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 2.7 pounds fresh. "Otherwise prepared or preserved" converted to terms of fresh fruit on the basis that 1 pound equals 0.899 pound fresh.<sup>3</sup> Dried prunes in salad estimated at 43 percent of total dried fruit for salad.<sup>4</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 323.—Strawberries, commercial crop: Production and value per hundredweight, by States, 1986-88

Utilization, season, and State	Production			Value per unit		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
<b>FOR FRESH MARKET<sup>2</sup></b>						
Winter:						
FL.....	907	1,103	1,250	55.30	60.80	59.10
Total.....	907	1,103	1,250	55.30	60.80	59.10
Spring:						
AR.....	18	11	12	50.00	48.00	44.00
CA.....	5,804	6,002	6,574	58.30	58.00	52.00
LA.....	34	43	53	57.00	50.00	56.00
MI.....	78	92	87	48.10	53.20	52.70
NJ.....	38	42	32	54.30	68.00	72.20
NY.....	182	160	120	41.90	56.90	73.10
NC.....	48	46	46	50.50	49.90	49.20
OH.....	57	73	73	61.00	61.00	69.00
OR.....	50	56	64	65.00	60.00	62.00
PA.....	48	55	56	87.30	82.60	99.50
WA.....	20	25	25	55.00	52.00	54.00
WI.....	64	44	41	57.00	57.00	64.00
Total.....	6,441	6,649	7,183	57.90	58.10	53.20
US.....	7,348	7,752	8,433	57.60	58.50	54.00
<b>PROCESSING</b>						
Spring:						
CA.....	2,074	2,230	2,050	22.60	26.70	23.00
MI.....	66	40	40	39.60	33.30	37.40
OR.....	585	880	950	44.20	32.00	28.90
WA.....	120	215	196	45.00	32.00	28.00
US.....	2,845	3,365	3,236	28.40	28.50	25.20

<sup>1</sup> Preliminary.<sup>2</sup> Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared.

National Agricultural Statistics Service.

**Table 324.—Strawberries, commercial crop: Area, yield, production, value per unit, and total value, United States, 1974-88**

Year	Fresh market and processing					Fresh market <sup>3</sup>			Processing		
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Production of value	Value <sup>2</sup>		Production of value	Value <sup>2</sup>	
				Per unit	Total		Per unit	Total		Per unit	Total
	Acres	Cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars	1,000 cwt.	Dollars per cwt.	1,000 dollars	1,000 cwt.	Dollars per cwt.	1,000 dollars
1974	39,260	137	5,388	28.80	155,122	3,706	32.50	120,288	1,682	20.70	34,834
1975	39,590	139	5,506	30.60	168,352	3,774	35.50	133,917	1,732	19.90	34,435
1976	34,450	169	5,807	32.90	191,022	3,695	37.70	139,268	2,112	24.50	51,754
1977	35,650	186	6,619	33.20	219,958	4,298	39.10	167,949	2,321	22.40	52,009
1978	37,600	175	6,592	31.70	209,257	4,779	36.70	175,155	1,813	18.80	34,102
1979	36,500	175	6,383	38.70	246,850	4,360	43.40	189,105	2,023	28.50	57,745
1980	36,050	195	7,017	41.20	288,776	4,821	47.90	231,115	2,196	26.30	57,661
1981	37,000	200	7,416	42.00	311,147	5,375	47.10	253,289	2,041	28.30	57,858
1982	40,250	219	8,830	48.10	424,592	5,896	55.20	325,338	2,934	33.80	99,254
1983	43,400	206	8,935	45.60	407,188	5,854	53.00	310,072	3,081	31.50	97,116
1984	43,300	229	9,909	41.70	413,251	7,482	49.00	366,501	2,427	19.30	46,750
1985	44,050	231	10,188	44.30	450,819	7,541	52.60	396,894	2,647	20.40	53,925
1986	44,350	230	10,193	49.40	508,641	7,348	57.60	422,898	2,845	28.40	80,743
1987	44,620	249	11,117	49.40	549,082	7,752	58.50	453,169	3,365	28.50	95,913
1988 <sup>4</sup>	44,950	260	11,669	46.00	537,289	8,433	54.00	455,700	3,236	25.20	81,589

<sup>1</sup> Excludes the following quantities not harvested and not marked because of economic conditions (1,000 hundredweight): 1 in 1977, 1 in 1978, 28 in 1979, 48 in 1980, 22 in 1981, 11 in 1982, 21 in 1983, 19 in 1984, 35 in 1985, and 239 in 1987.

<sup>2</sup> Fresh market price and value on f.o.b. basis. Processing price and value at processing plant door.

<sup>3</sup> Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 325.—Strawberries, commercial crop: Area, production, value per hundredweight, by States, 1986-88 <sup>1</sup>**

Season and State	Area			Production			Value per unit		
	1986	1987	1988 <sup>2</sup>	1986	1987 <sup>2</sup>	1988 <sup>2</sup>	1986	1987 <sup>2</sup>	1988 <sup>2</sup>
Winter:	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
FL.....	4,900	4,900	5,000	907	1,103	1,250	55.30	60.80	59.10
Total.....	4,900	4,900	5,000	907	1,103	1,250	55.30	60.80	59.10
Spring:									
AR.....	300	220	250	18	11	12	50.00	48.00	44.00
CA.....	15,600	16,800	17,600	7,878	8,232	8,624	48.90	49.50	45.10
LA.....	550	600	700	34	43	53	57.00	50.00	56.00
MI.....	2,400	2,200	2,300	144	132	127	44.20	47.20	47.90
NJ.....	900	800	700	38	42	32	54.30	68.00	72.20
NY.....	3,300	2,800	2,500	182	160	120	41.90	56.90	73.10
NC.....	2,100	2,100	2,100	48	46	46	50.50	49.90	49.20
OH.....	1,500	1,400	1,300	57	73	73	61.00	61.00	69.00
OR.....	7,300	7,800	7,800	635	936	1,014	45.80	33.70	31.00
PA.....	1,400	1,300	1,300	48	55	56	87.30	82.60	99.50
WA.....	2,800	2,500	2,400	140	240	221	46.40	34.10	30.90
WI.....	1,300	1,200	1,000	64	44	41	57.00	57.00	64.00
Total.....	39,450	39,720	39,950	9,286	10,014	10,419	48.80	48.10	44.50
US.....	44,350	44,620	44,950	10,193	11,117	11,669	49.40	49.40	46.00

<sup>1</sup> Includes quantities used for fresh market and processing.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 326.—Fruits: Arrivals at 4 markets, by commodities, 1988 <sup>1</sup>

Commodity	Baltimore <sup>2</sup>			Boston			New York <sup>4</sup>			Philadelphia		
	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Citrus:</b>												
Grapefruit.....	59	221	280	173	284	457	422	197	619	175	170	345
Lemons.....	15	104	119	77	60	137	178	105	283	88	78	166
Limes.....		20	20		55	55		87	87		18	18
Mixed citrus.....	68		68	71		71	268		268	98		98
Oranges.....	88	437	525	699	336	1,035	1,205	410	1,615	455	275	730
Tangelos.....		21	21		18	18	1	13	14		20	20
Tangerines.....	1	47	48	4	55	59	38	49	87	2	43	45
Templets.....		22	22		14	14		10	10		10	10
Citrus, other <sup>5</sup> .....		8	8		8	8		4	4	1	4	5
<b>Total.....</b>	<b>231</b>	<b>880</b>	<b>1,111</b>	<b>1,024</b>	<b>830</b>	<b>1,854</b>	<b>2,112</b>	<b>875</b>	<b>2,987</b>	<b>819</b>	<b>618</b>	<b>1,437</b>
<b>Non-citrus:</b>												
Apples.....	83	472	555	269	494	763	827	513	1,340	297	365	662
Apricots.....	1	6	7		4	4	1	12	13	2	4	6
Avocados.....		26	26		49	49		91	91		9	9
Bananas.....	34	1,195	1,229		938	938	1,817	249	2,066		420	420
Blueberries.....		10	10		25	25		18	18		8	8
Cherries.....	1	19	20	6	32	38	2	49	51	1	32	33
Cranberries.....		3	3		6	6		3	3		2	2
Grapes, table.....	3	346	349	58	392	450	263	353	616	191	184	375
Grapes, juice.....				20	8	28	64	6	70	4		4
Kiwifruit.....		9	9		11	11					2	2
Mangoes.....		11	11		15	15		37	37		9	9
<b>Mixed</b>												
deciduous.....	8		8	28		28	67		67	10		10
Nectarines.....	5	91	96	27	82	109	61	101	162	37	73	110
Papaya.....	1		1	1		1		1	1			
Peaches.....	88	437	525	30	216	246	49	297	346	34	120	154
Pears.....	13	113	126	95	135	230	289	161	450	94	129	223
Persimmons.....		2	2		1	1		2	2			
Pineapples.....	14	61	75	21	73	94	9	34	43	2	28	30
Plantains.....		8	8		26	26	2	18	20		4	4
Plums-prunes.....	1	85	86	22	86	108	84	126	210	29	84	113
Pomegranates.....		2	2		2	2		1	1		2	2
Strawberries.....	10	134	144	10	215	225		221	221	4	212	216
Fruits, other <sup>5</sup> .....		1	1		4	4	1	41	42	1	4	5
<b>Total.....</b>	<b>262</b>	<b>3,031</b>	<b>3,293</b>	<b>587</b>	<b>2,814</b>	<b>3,401</b>	<b>3,536</b>	<b>2,334</b>	<b>5,870</b>	<b>706</b>	<b>1,691</b>	<b>2,397</b>
<b>Grand total.....</b>	<b>493</b>	<b>3,911</b>	<b>4,404</b>	<b>1,611</b>	<b>3,644</b>	<b>5,255</b>	<b>5,648</b>	<b>3,209</b>	<b>8,857</b>	<b>1,525</b>	<b>2,309</b>	<b>3,834</b>

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh fruits was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 369. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Includes Washington.

<sup>3</sup> Estimated percentages of completeness for reported truck arrivals for 1987 are as follows: Baltimore 90, Boston 95, New York 85, and Philadelphia 90.

<sup>4</sup> Includes Newark.

<sup>5</sup> Not otherwise specified.

Agricultural Marketing Service.

Table 327.—Fruits, fresh: Arrivals at 4 markets, by commodities, 1988 <sup>1</sup>

Commodity	Atlanta			Chicago			Los Angeles			San Francisco <sup>3</sup>		
	Rail, boat, and air	Motor truck <sup>2</sup>	Total	Rail, boat, and air	Motor truck <sup>2</sup>	Total	Rail, boat, and air	Motor truck <sup>2</sup>	Total	Rail, boat, and air	Motor truck <sup>2</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Citrus:</b>												
Grapefruit.....	1	152	153	65	380	445		360	360		391	391
Lemons.....		101	101	165	151	316		380	380		188	188
Limes.....		20	20		66	66		333	333		100	100
Mixed citrus.....					7	7						
Oranges.....	2	385	387	816	967	1,783		1,453	1,453		1,092	1,092
Tangelos.....		10	10		19	19		24	24		22	22
Tangerines.....		27	27	18	55	73		34	34		95	95
Temples.....		10	10		12	12						
Citrus, other <sup>4</sup> .....												
<b>Total.....</b>	<b>3</b>	<b>705</b>	<b>708</b>	<b>1,064</b>	<b>1,657</b>	<b>2,721</b>	<b>0</b>	<b>2,584</b>	<b>2,584</b>	<b>0</b>	<b>1,888</b>	<b>1,888</b>
<b>Noncitrus:</b>												
Apples.....	43	308	351	76	872	948	6	2,513	2,519		1,518	1,518
Apricots.....					7	7	3	25	28		31	31
Avocados.....		23	23		57	57	5	268	271		294	294
Bananas.....		551	551		1,485	1,485	4,242	6	4,248		2,001	2,001
Blueberries.....		4	4		6	6	1	10	11		7	7
Cherries.....		4	4	2	25	27	2	134	136		57	57
Cranberries.....					2	2					3	3
Grapes, table.....		210	210	207	592	799	246	752	998		544	544
Grapes, juice.....				66	5	71						
Kiwifruit.....		2	2		7	7		25	25	7	11	18
Mangoes.....					27	27		140	140	4	76	80
Mixed deciduous.....				106		106						
Nectarines.....		24	24	81	172	253	38	203	241		176	176
Papaya.....							46	21	67	48		48
Peaches.....		101	101	19	184	203	25	356	381		227	227
Pears.....		45	45	48	244	292	7	489	496		414	414
Persimmons.....					7	7		19	19		20	20
Pineapples.....		66	66	1	67	68	219	52	271	132	1	133
Plaintains.....					16	16	4	115	119	2	25	27
Plums-prunes.....		45	45	72	95	167	35	173	208		100	100
Pomegranates.....								16	16		4	4
Strawberries.....		88	88	3	266	269	3	289	292	4	211	215
Fruits, other <sup>4</sup> .....					5	5	2	56	58	1	29	30
<b>Total.....</b>	<b>43</b>	<b>1,471</b>	<b>1,514</b>	<b>681</b>	<b>4,141</b>	<b>4,822</b>	<b>4,884</b>	<b>5,660</b>	<b>10,544</b>	<b>198</b>	<b>5,749</b>	<b>5,947</b>
<b>Grand total...</b>	<b>46</b>	<b>2,176</b>	<b>2,222</b>	<b>1,745</b>	<b>5,798</b>	<b>7,547</b>	<b>4,884</b>	<b>8,244</b>	<b>13,128</b>	<b>198</b>	<b>7,637</b>	<b>7,835</b>

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh fruits was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 369. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Estimated percentages of completeness for reported truck arrivals for 1987 are as follows: Atlanta 85, Chicago 90, Los Angeles 90, and San Francisco 90.

<sup>3</sup> Includes Oakland.

<sup>4</sup> Not otherwise specified.

Agricultural Marketing Service.

Table 328.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 1988<sup>1</sup>

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Citrus:</b>													
Grapefruit.....	2,804	3,051	3,365	2,943	1,593	283	84	38	51	1,262	2,313	2,870	20,457
Lemons.....	862	661	794	918	840	911	938	700	621	875	735	863	9,718
Limes.....	64	59	44	47	64	120	121	106	96	92	106	82	1,001
Mixed citrus.....	23	33	21	7	12	25	24	25	12	3	3	6	194
Oranges.....	4,969	4,159	4,842	5,810	4,318	2,439	2,149	1,696	1,848	2,259	3,062	6,007	43,558
Tangelos.....	212	34	1	.....	.....	.....	.....	.....	.....	6	245	544	1,042
Tangerines.....	233	252	228	89	4	.....	.....	.....	.....	68	215	355	1,444
Templets.....	413	438	130	4	.....	.....	.....	.....	.....	.....	.....	24	1,009
Citrus, other <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	2	152	64	42	260
<b>Total</b> .....	<b>9,580</b>	<b>8,687</b>	<b>9,425</b>	<b>9,818</b>	<b>6,831</b>	<b>3,778</b>	<b>3,316</b>	<b>2,565</b>	<b>2,630</b>	<b>4,717</b>	<b>6,743</b>	<b>10,593</b>	<b>78,683</b>
<b>Noncitrus:</b>													
Apples.....	4,215	3,351	3,498	3,879	2,736	1,813	1,615	1,015	2,511	4,086	3,738	4,672	37,129
Apricots.....	.....	.....	.....	.....	125	168	60	30	.....	.....	.....	.....	383
Avocados.....	459	324	299	378	288	246	325	310	253	242	278	329	3,731
Blueberries.....	.....	.....	.....	.....	2	96	136	44	.....	.....	.....	.....	278
Cranberries.....	.....	.....	.....	.....	.....	.....	.....	.....	6	36	56	28	126
Cherries.....	.....	.....	.....	5	234	586	525	.....	.....	.....	.....	.....	1,350
Grapes, table.....	93	37	11	.....	700	1,388	1,814	2,452	2,227	1,845	1,712	1,200	13,479
Grapes, juice.....	.....	.....	.....	.....	.....	.....	.....	11	1,112	311	3	.....	1,437
Kiwifruit.....	91	78	137	70	28	2	.....	.....	.....	23	39	69	537
Mangoes.....	.....	.....	.....	.....	13	64	28	7	.....	.....	.....	.....	45
Mixed deciduous.....	3	2	2	.....	19	66	64	48	18	16	21	21	280
Nectarines.....	.....	.....	.....	4	295	1,190	1,117	1,017	588	37	.....	.....	4,248
Papaya.....	37	30	27	41	40	41	51	48	51	52	48	51	517
Peaches.....	.....	.....	.....	11	683	1,670	1,968	1,955	966	102	.....	.....	7,855
Pears.....	818	661	541	562	291	133	428	544	725	1,099	901	960	7,663
Persimmons.....	.....	.....	.....	.....	.....	.....	.....	.....	1	22	33	22	78
Pineapples.....	178	187	268	243	233	253	242	198	213	214	218	206	2,653
Plums-fresh prunes.....	.....	.....	.....	.....	423	1,133	1,248	967	457	115	24	7	4,374
Pomegranates.....	.....	.....	.....	.....	.....	.....	.....	4	30	45	22	8	109
Strawberries.....	108	244	991	1,719	1,468	1,003	676	470	307	195	55	53	7,289
Fruits, other <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
<b>Total</b> .....	<b>6,002</b>	<b>4,914</b>	<b>5,774</b>	<b>6,912</b>	<b>7,565</b>	<b>9,801</b>	<b>10,297</b>	<b>9,120</b>	<b>9,465</b>	<b>8,440</b>	<b>7,148</b>	<b>7,626</b>	<b>93,064</b>
<b>Grand total</b> .....	<b>15,582</b>	<b>13,601</b>	<b>15,199</b>	<b>16,730</b>	<b>14,396</b>	<b>13,579</b>	<b>13,613</b>	<b>11,685</b>	<b>12,095</b>	<b>13,157</b>	<b>13,891</b>	<b>18,219</b>	<b>171,747</b>

<sup>1</sup> Use of car/carlot equivalents for reporting shipments of fresh fruit was discontinued at the close of calendar year 1977. Rail and boat shipment totals of specified commodities for 1963-1977 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 370.

<sup>2</sup> Not otherwise specified.

Agricultural Marketing Service.

Table 329.—Fruits, noncitrus: Production, utilization, and value, United States, 1974-88<sup>1</sup>

Year	Utilized production	Fresh <sup>2</sup>	Processed					Other	Value of utilized production
			Canned	Dried	Juice	Frozen	Wine		
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 dollars
1974.....	11,861	4,270	2,250	1,655	768	223	2,416	279	1,987,805
1975.....	12,305	4,734	2,056	1,920	863	251	2,276	205	1,919,399
1976.....	11,769	4,564	1,942	1,661	818	254	2,322	208	2,081,819
1977.....	12,216	4,531	2,060	1,870	841	244	2,412	258	2,533,727
1978.....	12,460	4,166	2,549	1,365	1,140	257	2,672	311	3,034,322
1979.....	13,689	4,358	2,758	2,044	1,285	226	2,713	305	3,404,222
1980.....	15,152	5,010	2,747	2,408	1,418	251	2,996	322	3,491,419
1981.....	12,961	4,708	2,263	1,722	1,235	231	2,522	280	3,586,740
1982.....	14,217	4,696	2,332	2,163	1,255	227	3,227	317	3,480,072
1983.....	13,707	4,805	2,123	2,481	1,445	185	2,423	245	3,580,800
1984.....	13,796	4,979	2,272	2,060	1,322	245	2,693	225	3,816,540
1985.....	13,680	4,600	2,274	2,192	1,220	263	2,919	212	3,418,919
1986.....	13,408	4,941	2,209	1,668	1,138	286	2,907	259	3,710,611
1987.....	15,454	5,575	2,357	2,367	1,887	306	2,648	314	3,871,028
1988 <sup>2</sup> .....	15,258	5,436	2,503	2,550	1,284	313	2,995	177	4,420,251

See footnotes on page 227.



Table 330.—Fruit juices, canned: United States packs, 1974-87

Season	Citrus juices <sup>1</sup>				Pineapple juice <sup>2</sup>	Apple juice
	Grapefruit	Orange	Blended orange and grapefruit	Tangerine and tangerine blends		
	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>
1974.....	21,629	13,294	1,723	12	8,448	14,544
1975.....	25,821	13,460	2,769	19	8,713	15,013
1976.....	27,689	14,435	1,584	35	10,205	15,719
1977.....	26,379	15,829	1,945	8	11,977	17,056
1978.....	25,175	18,905	1,138	19	11,386	20,804
1979.....	24,228	18,367	1,534	17	12,186	25,305
1980.....	19,429	17,604	1,082	9	12,405	25,131
1981.....	20,429	13,730	812	6	13,373	26,761
1982.....	* 11,651	* 9,802	* 660	4	( <sup>5</sup> )	( <sup>5</sup> )
1983.....	* 9,513	* 9,084	* 555	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	* 10,552	* 7,425	* 615	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	* 9,948	* 7,597	* 577	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	* 8,982	* 8,122	* 533	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	* 7,724	* 7,256	* 443	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

<sup>1</sup> Excluding citrus concentrates.<sup>2</sup> Hawaii and foreign operations.<sup>3</sup> Equivalent cases of 24 No. 2 cans.<sup>4</sup> Florida only.<sup>5</sup> Not available.

Economic Research Service. Based on data obtained from various canners' associations and individual canners.

Table 331.—Fruits, dried: Production (dry basis), United States, 1974-88

Year	Apples	Apricots	Dates	Figs	Peaches	Pears <sup>1</sup>	Prunes	Raisins	Total
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1974.....	12,300	2,640	22,700	11,430	1,750	700	142,000	241,500	435,020
1975.....	14,350	4,500	24,800	8,840	2,375	980	149,000	283,000	487,845
1976.....	14,350	4,650	22,400	7,000	2,500	1,270	148,000	218,000	418,170
1977.....	14,100	5,100	25,400	11,000	2,500	1,130	159,000	248,300	466,530
1978.....	13,800	3,600	21,550	6,390	2,000	855	132,000	228,500	408,695
1979.....	16,000	5,300	21,300	10,240	1,800	1,530	136,000	302,300	494,470
1980.....	12,150	3,600	22,400	11,400	2,200	1,500	168,000	309,000	530,250
1981.....	11,900	3,800	22,300	10,150	2,050	1,440	159,500	256,000	467,140
1982.....	13,100	4,800	23,900	9,650	2,600	1,200	126,000	292,000	473,250
1983.....	17,700	4,100	17,000	9,000	2,000	1,070	145,000	396,000	591,870
1984.....	18,050	3,520	22,200	9,800	1,550	780	148,000	334,500	538,400
1985.....	15,150	2,000	28,900	8,570	2,050	1,310	141,000	346,000	544,980
1986.....	12,450	1,400	17,800	12,450	1,800	1,410	99,000	277,000	423,310
1987.....	17,750	2,980	19,400	14,000	1,950	1,130	229,000	356,000	642,210
1988 <sup>2</sup> .....	17,800	2,640	22,000	13,250	2,500	1,220	155,000	363,000	577,410

<sup>1</sup> Bartlett only.<sup>2</sup> Preliminary.

Economic Research Service. Compiled from reports of the Department and trade sources.

## FOOTNOTES FOR TABLE 329

<sup>1</sup> Includes the following crops: Apples, apricots, avocados, bananas, bushberries (through 1981), cherries, cranberries, dates, figs, grapes, kiwifruit (beginning 1980), nectarines, olives, papayas, peaches, pears, pineapples, pomegranates, and prunes and plums. Persimmons discontinued after 1977.<sup>2</sup> Includes "Home Use," local and roadside sales.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 332.—Fruits, dried: Commercial production in specified countries, 1986/87–1988/89**

Commodity/country	1986/87	1987/88	1988/89 <sup>1</sup>	Commodity/country	1986/87	1987/88	1988/89 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Prunes:</b>				<b>Raisins:</b>			
Argentina.....	6,000	11,000	5,000	Argentina.....	6,500	6,600	4,000
Australia.....	4,472	1,749	3,500	Australia.....	63,991	74,029	60,000
Chile.....	8,700	9,000	7,000	Chile.....	9,000	13,500	16,200
France.....	35,978	30,380	41,000	Greece.....	69,000	40,000	82,000
South Africa.....	2,121	2,752	2,697	Mexico.....	21,145	11,250	11,000
United States.....	89,810	207,745	140,610	South Africa.....	30,659	27,448	20,587
Yugoslavia.....	11,870	12,387	12,873	Turkey.....	110,000	110,000	150,000
				United States.....	236,317	303,947	315,776
<b>Total.....</b>	<b>158,951</b>	<b>275,013</b>	<b>212,680</b>	<b>Total.....</b>	<b>546,612</b>	<b>586,774</b>	<b>659,563</b>

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 333.—Fruits, frozen: Commercial pack, by kinds and areas, United States, 1988<sup>1</sup>**

Commodity	Northeast <sup>2</sup>	South <sup>3</sup>	Midwest <sup>4</sup>	West <sup>5</sup>	Total
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Apples.....	<sup>9</sup> 57,955		31,232	27,889	117,076
Apricots.....				14,675	14,675
Cherries, sweet.....			5,147	13,335	18,482
Grapes and pulp.....					(8)
Peaches.....				<sup>10 11</sup> 110,286	110,286
Plums and prunes.....	2,713				2,713
Purees, noncitrus <sup>6</sup> .....			<sup>9 10</sup> 1,711	20,790	22,501
<b>Berries:</b>					
Blackberries.....				<sup>10 11</sup> 21,437	21,437
Blueberries.....	<sup>9</sup> 47,032		27,606	7,744	82,382
Boysenberries.....				6,706	6,706
Loganberries.....				1,461	1,461
Raspberries, black.....			<sup>10</sup> 2,518		2,518
Raspberries, red.....				<sup>10 11</sup> 23,991	23,991
Strawberries.....			<sup>9</sup> 3,481	271,129	274,610
Citrus juices <sup>7</sup> .....		2,096,657			2,096,657
Miscellaneous fruits and berries <sup>8</sup> .....				<sup>9 11</sup> 130,908	130,908
<b>Total.....</b>	<b>107,700</b>	<b>2,096,657</b>	<b>71,695</b>	<b>650,351</b>	<b>2,926,403</b>

See footnotes on page 231.

Table 334.—Fruits, frozen: Commercial pack, United States, 1979-88

Commodity	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Apples.....	60,827	69,109	105,893	100,378	75,576	77,996	85,481	111,133	122,399	117,076
Apricots.....	16,941	10,409	13,606	16,766	14,077	16,565	11,770	14,308	22,227	14,675
Cherries, sweet.....	13,262	10,776	14,209	17,206	17,303	13,282	10,262	14,404	21,332	18,482
Grapes and pulp.....	2,264	2,178	2,901	8,442	10,006	( <sup>1</sup> )	4,715	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Peaches.....	62,510	56,274	59,612	56,714	56,454	75,877	80,990	100,730	105,764	110,286
Plums and prunes.....	5,649	6,195	4,348	5,631	2,646	3,436	4,400	4,354	657	2,713
Purees, noncitrus.....	12,251	8,913	16,128	20,268	16,169	15,645	24,655	29,424	39,749	22,501
Berries:										
Blackberries.....	14,823	20,874	16,997	16,283	14,581	11,130	12,681	12,955	21,027	21,437
Blueberries.....	31,485	36,426	50,141	46,464	43,528	54,835	54,506	77,754	69,153	82,382
Boysenberries.....	2,732	4,878	3,627	5,101	3,549	3,524	2,561	5,493	5,234	6,706
Currants.....	475	461	330	555	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Loganberries.....	1,276	1,905	1,552	1,665	2,223	1,018	775	1,133	1,016	1,461
Oxalberries.....	3,082	3,646	374	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Raspberries.....	23,518	21,426	26,179	26,717	19,855	19,659	14,784	15,323	26,471	26,509
Strawberries.....	190,572	253,072	210,558	272,676	292,682	231,414	229,152	237,604	334,406	274,610
Citrus juices <sup>2</sup> .....	1,901,847	2,403,311	1,809,524	1,643,272	1,726,906	1,223,389	1,402,320	1,551,722	1,599,370	2,096,657
Miscellaneous fruits and berries.....	16,897	18,051	16,620	19,449	5,640	37,839	16,148	22,960	80,727	130,908
Total.....	2,360,411	2,928,204	2,352,599	2,257,587	2,301,175	1,785,609	1,955,200	2,199,297	2,449,532	2,926,403

<sup>1</sup> Included in miscellaneous fruits and berries.<sup>2</sup> Florida only. Calendar year estimate.

Economic Research Service. Data from American Frozen Food Institute and Florida Citrus Processor Association.

Table 335.—Fruit and juices: Cold-storage holdings, end of month, United States, 1987 and 1988

Month	Fresh		Frozen					
	Apples		Apples		Blueberries		Cherries	
	1987	1988	1987	1988	1987	1988	1987	1988
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	2,307,835	3,158,884	69,771	74,899	44,734	44,015	140,891	145,722
February.....	1,720,812	2,417,563	70,840	82,247	39,060	38,759	121,621	129,081
March.....	1,174,506	1,584,101	74,121	86,944	32,548	31,803	107,536	112,520
April.....	751,870	1,093,000	70,081	84,521	27,322	26,133	96,820	103,265
May.....	386,278	552,164	67,199	77,779	21,974	19,669	86,882	93,242
June.....	203,856	248,091	58,389	65,944	17,950	15,824	86,124	84,220
July.....	74,887	94,961	53,476	54,452	34,742	25,767	233,472	211,393
August.....	4,237	5,056	41,768	43,470	68,659	89,519	230,604	216,017
September.....	2,687,120	1,857,663	40,956	35,278	71,665	93,462	208,050	199,416
October.....	5,390,153	4,601,764	44,426	37,495	67,306	86,537	197,847	187,055
November.....	4,697,166	3,904,276	62,437	50,550	59,534	76,205	190,067	167,758
December.....	3,311,615	3,265,813	66,982	60,278	50,707	67,499	160,814	158,092

  

Month	Frozen—Continued					
	Strawberries		Total frozen fruit		Orange juice	
	1987	1988	1987	1988	1987	1988
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	128,042	212,150	634,940	789,237	874,755	903,754
February.....	115,663	183,083	563,678	727,351	1,012,673	1,072,854
March.....	100,497	161,933	504,359	631,512	933,783	1,004,068
April.....	141,021	165,082	496,181	589,461	998,953	1,018,993
May.....	192,635	165,496	512,348	550,515	1,109,084	1,122,077
June.....	311,750	329,587	627,559	668,799	1,105,056	1,171,786
July.....	330,426	355,539	875,339	873,115	942,070	998,495
August.....	319,332	338,035	914,068	982,315	792,632	827,011
September.....	301,469	312,026	897,675	998,833	839,966	693,262
October.....	279,975	286,236	997,325	1,106,050	652,805	638,671
November.....	258,375	256,328	947,888	1,003,333	569,036	589,450
December.....	236,009	235,189	855,192	939,089	662,352	721,638

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Table 336.—Canned fruits and fruit juices: <sup>1</sup> Canners' stock, United States, 1985-88

Commodity	Season beginning—	1985	1986	1987	1988
		<i>1,000 cases</i>	<i>1,000 cases</i>	<i>1,000 cases</i>	<i>1,000 cases</i>
Canned fruits: <sup>1</sup>					
Apricots.....	June 1.....	544	364	38	132
Cherries, red pitted.....	July 1.....	93	61	38	40
Cherries, sweet.....	June 1.....	131	160	96	151
Peaches, clingstone.....	June 1.....	4,191	5,995	3,334	1,352
Pears.....	June 1.....	1,645	3,018	1,666	1,981
Purple plums.....	June 1.....	184	281	317	184
Fruit cocktail.....	June 1.....	2,329	4,039	2,971	2,251
Canned juices: <sup>2</sup>					
Grapefruit.....	Oct. 1.....	1,288	1,515	1,471	1,323
Orange.....	Oct. 1.....	889	987	1,024	855
Blended orange and grapefruit.....	Oct. 1.....	136	126	126	117

See footnotes on page 232.

Table 337.—Fruits: Total and per capita consumption, United States, 1974-88<sup>1</sup>

Year	Fruits used fresh							
	Total fruit		Citrus fruit <sup>2</sup>		Noncitrus fruits <sup>3</sup>		Canned fruits <sup>4</sup>	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1974.....	16,929	79.1	5,863	27.4	11,066	51.6	2,490	11.6
1975.....	18,373	84.9	6,345	29.4	12,029	55.6	2,534	11.7
1976.....	18,295	83.8	6,330	29.0	11,965	54.8	2,559	11.7
1977.....	17,946	81.4	5,784	26.2	12,162	55.1	2,602	11.8
1978.....	18,673	83.8	5,909	26.6	12,763	57.2	2,441	10.9
1979.....	18,742	83.1	5,557	24.7	13,184	58.4	2,302	10.2
1980.....	20,516	89.9	6,573	28.9	13,944	61.1	2,336	10.2
1981.....	20,001	86.8	5,750	25.0	14,251	61.8	2,106	9.1
1982.....	20,233	86.9	5,749	24.7	14,484	62.2	2,194	9.4
1983.....	21,630	92.0	6,680	29.3	14,750	62.7	1,945	8.2
1984.....	21,713	91.5	5,670	23.9	16,043	67.6	1,989	8.4
1985.....	21,336	89.0	5,392	22.5	15,944	66.5	2,022	8.4
1986.....	23,201	95.9	6,444	26.7	16,757	69.2	2,116	8.7
1987.....	24,788	101.5	6,431	26.4	18,357	75.1	2,148	8.8
1988 <sup>5</sup> .....	23,874	96.9	6,520	26.5	17,354	70.4	2,189	8.8

  

Year	Canned juice <sup>6</sup>		Chilled juice <sup>7</sup>		Frozen fruit and juice <sup>8</sup>		Dried fruits <sup>9</sup>	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1974.....	1,540	7.2	1,093	5.7	2,554	11.9	478	2.3
1975.....	1,595	7.4	1,204	5.6	3,005	13.9	602	2.8
1976.....	1,616	7.4	1,315	6.0	2,934	12.8	538	2.5
1977.....	1,514	6.9	1,237	5.6	3,063	13.9	525	2.4
1978.....	1,796	8.1	1,335	6.0	2,764	12.4	434	1.9
1979.....	1,698	7.5	1,214	5.4	2,801	12.5	537	2.4
1980.....	1,646	7.2	1,319	5.8	2,922	12.8	521	2.3
1981.....	1,635	7.2	944	4.1	2,902	12.6	584	2.5
1982.....	1,349	5.8	806	3.5	3,256	14.0	653	2.8
1983.....	1,124	4.8	961	4.1	3,531	15.0	681	2.9
1984.....	1,051	4.4	862	3.6	3,188	13.5	711	3.0
1985.....	903	3.8	762	3.2	3,614	15.1	644	2.7
1986.....	852	3.5	909	3.8	3,876	16.1	734	3.0
1987.....	878	3.6	1,086	4.5	3,782	15.5	652	2.7
1988 <sup>5</sup> .....	834	3.4	1,244	5.1	3,797	15.4	706	2.9

<sup>1</sup> Fresh citrus fruits, canned fruit, canned juice, and chilled juice are on a crop-year basis. Dried fruits are on a pack-year basis. The per capita consumption was obtained by dividing the total consumption by total population. <sup>2</sup> Oranges, tangerines, tangelos, temple lemons, limes, and grapefruits. <sup>3</sup> Apples, apricots, avocados, bananas, cherries, cranberries, figs, grapes, beginning 1983 included kiwifruit, nectarines, peaches, pears, pineapples, papayas, plums and prunes, strawberries, and miscellaneous fruits. <sup>4</sup> Apricots, cherries, fruit cocktail and salads, peaches, pears, plums and prunes, and olives. <sup>5</sup> Preliminary. <sup>6</sup> Orange, grapefruit, blended citrus, lemon and limes, fruit nectar, grapes, and prunes. <sup>7</sup> Orange and grapefruit. <sup>8</sup> Cherries, apples, peaches, apricots, strawberries, other berries, grapes and pulp, miscellaneous fruits and citrus juice. <sup>9</sup> Apricots, peaches, pears, dates, figs, prunes, and raisins. Excludes unmerchantable figs, substandard prunes, and prunes used for juice and concentrate. Dried data are in terms of processed dried weight.

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## FOOTNOTES FOR TABLE 333

<sup>1</sup> Includes the commercial pack only and does not include quantities produced in frozen food locker plants. <sup>2</sup> Connecticut, Maine, Massachusetts, New Jersey, New York, Pennsylvania, Rhode Island and Vermont. <sup>3</sup> Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. <sup>4</sup> Illinois, Indiana, Michigan, Minnesota, Nebraska, Ohio, and Wisconsin. <sup>5</sup> Arizona, California, Colorado, Hawaii, Idaho, Montana, Oregon, Utah, and Washington. <sup>6</sup> 1988 data includes purees of apples, apricot, banana, blackberry, blueberry, guava, loganberry, cherry, boysenberry, grape, marionberry, nectarine, peach, pears, plum, black and red raspberry, strawberry and evergreen. <sup>7</sup> Calendar year estimate. (See table 280 for packs of concentrated grapefruit and orange juice in gallons, pack-year basis.) <sup>8</sup> 1988 data includes cherries, RSP, cranberries, elderberries, gooseberries, pears, mixed fruit, marionberries, olalliberries, oranges, pears, honeydew, kadota figs, cantaloupe and watermelon. <sup>9</sup> Includes pack in South. <sup>10</sup> Includes pack in Northeast. <sup>11</sup> Includes pack in Midwest.

Economic Research Service. Data from American Frozen Food Institute and Florida Citrus Processor Association.

Table 338.—Tree nuts (shelled basis): Supply and utilization, United States, 1974-87<sup>1</sup>

Season <sup>1</sup>	Production	Imports	Beginning stocks	Market reserve	Total supply	Ending stocks	Total use	Exports	Consumption	
									Total	Per capita pounds
<i>1,000 pounds</i>										
1974.....	395,481	116,389	127,715	0	639,585	152,888	486,702	144,686	342,036	1.59
1975.....	431,375	166,993	152,883	0	751,251	136,774	614,477	189,575	424,902	1.96
1976.....	455,224	161,400	136,774	0	753,398	114,482	638,916	218,106	420,810	1.92
1977.....	561,854	106,371	114,482	0	782,707	156,403	626,304	235,528	390,776	1.76
1978.....	410,003	124,753	156,403	0	691,159	127,422	563,737	175,463	388,274	1.73
1979.....	626,518	121,923	127,422	0	875,863	172,762	703,101	236,684	406,417	1.79
1980.....	577,552	101,117	172,762	0	851,431	169,098	682,333	262,446	419,887	1.83
1981.....	738,100	92,598	169,098	0	999,796	275,367	724,429	278,518	445,911	1.93
1982.....	663,977	122,721	278,863	6,615	1,059,966	313,394	740,572	239,131	512,221	2.19
1983.....	540,712	146,545	313,394	6,654	999,997	221,144	772,853	226,725	548,921	2.33
1984.....	875,619	139,944	221,144	28,182	1,208,525	326,198	882,327	319,119	573,050	2.41
1985.....	757,759	151,204	326,198	44,400	1,235,161	262,172	972,989	390,181	552,221	2.30
1986.....	558,410	143,096	262,172	0	963,678	181,749	781,929	238,411	543,518	2.24
1987.....	1,012,901	139,659	181,749	114,220	1,220,089	242,176	977,913	428,945	548,968	2.24

<sup>1</sup> Beginning July 1 for almonds and pecans, August 1 for hazelnuts and walnuts, September 1 for pistachios, and January 1 for macadamias and all others. Other tree nuts include Brazil, pignolias, chestnuts, cashews, and miscellaneous.

Economic Research Service.

Table 339.—Tree nuts: Commercial production in specified countries, 1986-88

Commodity and country	1986	1987 <sup>1</sup>	1988 <sup>1</sup>	Commodity and country	1986	1987 <sup>1</sup>	1988 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Almonds (shelled basis):				Filberts (in the shell)—Con.			
Greece.....	15	9	19	Turkey.....	300	280	420
Italy.....	17	12	14	United States.....	14	20	15
Morocco.....	7	6	7	Total.....	423	422	598
Portugal.....	3	3	1	Walnuts (in the shell):			
Spain.....	50	65	40	China.....	115	147	177
Turkey.....	12	10	13	France.....	28	27	22
United States.....	113	299	268	India.....	23	20	17
Total.....	217	404	362	Italy.....	12	20	11
Filberts (in the shell):				Turkey.....	68	65	64
Italy.....	90	90	140	United States.....	163	224	187
Spain.....	19	32	18	Total.....	409	503	478

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

FOOTNOTES FOR TABLE 336

<sup>1</sup> 24/2½ cases.

<sup>2</sup> Florida only 24/2 cases.

Economic Research Service. Compiled from various canners' associations.

**Table 340.—Almonds (shelled basis): Production, marketing year average price per pound, and value, California, 1974-88**

Year	Production	Price	Value	Year	Production	Price	Value
	<i>Million pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Million pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974 .....	230.0	74.0	170,100	1982 <sup>1</sup> .....	347.0	94.0	311,140
1975 .....	186.0	63.7	118,400	1983 <sup>1</sup> .....	242.0	104.0	231,920
1976 .....	284.0	64.8	184,032	1984 .....	590.0	77.4	446,134
1977 .....	313.0	84.5	264,485	1985 .....	465.0	80.0	360,640
1978 .....	181.0	145.0	262,450	1986 .....	250.0	192.0	461,568
1979 .....	376.0	153.0	575,280	1987 .....	660.0	100.0	648,000
1980 .....	322.0	147.0	473,340	1988 <sup>2</sup> .....	590.0	105.0	600,075
1981 .....	408.0	78.0	299,520				

<sup>1</sup> Price and value are based on edible portion of the crop only. Included in production are inedible quantities of no value as follows (million pounds): 1982—16.0; 1983—19.0; 1984—13.6; 1985—14.3; 1986—9.80; 1987—12.0; 1988—18.5.  
<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 341.—Almonds (shelled basis <sup>1</sup>): Foreign trade, United States, 1974-87**

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1974 .....	58	47,715	1979 .....	63	86,706	1984 .....	110	128,484
1975 .....	221	50,316	1980 .....	23	75,008	1985 .....	185	119,982
1976 .....	605	60,962	1981 .....	54	76,005	1986 .....	719	73,653
1977 .....	92	62,318	1982 .....	375	57,974	1987 .....	174	150,191
1978 .....	215	43,115	1983 .....	67	63,406			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1.0.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 342.—Filberts (Hazelnuts), (in-shell basis): Production, marketing year average price per ton, and value, United States, 1974-88**

Year	Oregon			Washington			Oregon and Washington		
	Production <sup>1</sup>	Price	Value	Production <sup>1</sup>	Price	Value	Production <sup>1</sup>	Price	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974 .....	6,400	560	3,584	300	565	170	6,700	560	3,754
1975 .....	11,800	610	7,198	320	595	190	12,120	610	7,388
1976 .....	6,950	640	4,448	220	635	140	7,170	640	4,588
1977 .....	11,400	687	7,832	350	674	236	11,750	687	8,068
1978 .....	13,700	805	11,029	350	835	292	14,050	806	11,321
1979 .....	12,700	951	12,078	300	970	291	13,000	951	12,369
1980 .....	15,100	1,151	17,386	300	1,181	354	15,400	1,152	17,740
1981 .....	14,400	786	11,319	300	770	231	14,700	786	11,550
1982 .....	18,400	680	12,512	400	677	271	18,800	680	12,783
1983 .....	8,000	554	4,432	200	720	144	8,200	558	4,576
1984 .....	13,200	617	8,144	200	875	175	13,400	621	8,319
1985 .....	24,300	677	16,451	300	957	287	24,600	680	16,738
1986 .....	14,900	724	10,788	200	895	179	15,100	726	10,967
1987 .....	21,500	956	20,554	300	1,160	348	21,800	959	20,902
1988 <sup>2</sup> .....	16,300	853	13,904	200	891	178	16,500	853	14,082

<sup>1</sup> Production is the quantity sold or utilized. Excludes unharvested production for Oregon as follows: 500 tons in 1974. <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 343.—Hazelnuts (shelled basis <sup>1</sup>): Foreign trade, United States, 1974-87**

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1974 .....	1,829	303	1979 .....	2,118	3,025	1984 .....	3,498	1,271
1975 .....	3,855	419	1980 .....	1,728	2,137	1985 .....	1,780	3,766
1976 .....	5,831	605	1981 .....	2,494	1,520	1986 .....	1,844	2,579
1977 .....	3,447	993	1982 .....	2,760	1,551	1987 .....	1,797	3,281
1978 .....	4,029	1,496	1983 .....	4,013	1,245			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 2.22 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 344.—Macadamia nuts (in-shell basis): Area, yield, production, price, and value, Hawaii, 1974-88**

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value	Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974 .....	5,760	2.8	16,370	32.0	5,238	1982 .....	10,200	3.6	36,720	73.9	27,136
1975 .....	6,080	3.0	18,210	31.6	5,754	1983 .....	10,600	3.4	36,420	65.7	23,928
1976 .....	6,300	3.0	18,990	36.9	7,007	1984 .....	12,000	3.1	37,700	69.2	26,088
1977 .....	6,300	3.1	19,680	40.8	8,029	1985 .....	13,500	3.1	42,000	72.5	30,450
1978 .....	9,200	2.3	20,980	53.8	11,287	1986 .....	14,400	3.1	44,000	80.0	35,200
1979 .....	9,600	2.8	26,660	62.9	16,769	1987 .....	15,800	2.7	42,700	84.0	35,868
1980 .....	10,000	3.3	33,390	72.4	24,174	1988 <sup>1</sup> .....	16,600	2.7	45,500	90.0	40,950
1981 .....	10,000	3.3	33,360	79.3	26,454						

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 345.—Pecans (in-shell basis): Production, marketing year average price per pound, and value, United States, 1974-88**

Year	Improved varieties			Native and seedling			All pecans		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974 .....	86,800	52.5	45,542	50,300	38.2	19,199	137,100	47.2	64,741
1975 .....	110,100	46.5	51,164	136,700	34.4	47,036	246,800	39.8	98,200
1976 .....	77,300	87.5	67,603	25,800	63.5	16,380	103,100	81.5	83,983
1977 .....	137,900	66.0	91,015	98,700	46.0	45,444	236,600	57.7	136,459
1978 .....	164,500	64.5	106,170	85,400	52.8	45,080	249,900	60.5	151,250
1979 .....	101,100	70.0	70,742	109,500	41.9	45,921	210,600	55.4	116,663
1980 .....	128,500	84.8	109,015	55,000	62.3	34,254	183,500	78.1	143,269
1981 .....	174,550	64.7	112,987	164,550	43.7	71,855	339,100	54.5	184,842
1982 .....	169,000	72.6	122,776	49,600	49.8	24,715	218,600	67.5	147,491
1983 .....	167,250	67.7	113,199	102,750	44.0	45,190	270,000	58.7	158,389
1984 .....	169,230	68.2	115,406	63,170	46.6	29,424	232,400	62.3	144,830
1985 .....	152,500	79.1	120,582	91,900	49.7	45,706	244,400	68.0	166,288
1986 .....	182,650	79.3	144,765	90,050	57.6	51,884	272,700	72.1	196,649
1987 .....	179,650	60.1	107,953	82,550	37.7	31,156	262,200	53.1	139,109
1988 <sup>1</sup> .....	185,300	62.6	116,070	122,700	41.1	50,448	308,000	54.1	166,518

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.



**Table 346.—Pecans (in-shell basis): Production and marketing year average price per pound, by States, 1986-88**

Item and State	Production			Price for crop of—		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	Cents	Cents	Cents
<b>IMPROVED VARIETIES</b>						
AL.....	9,600	13,750	6,000	88.0	42.0	58.0
AR.....	900	800	1,900	88.0	76.0	55.0
CA.....	( <sup>2</sup> )	( <sup>2</sup> )	2,000			70.0
FL.....	3,100	3,100	3,400	67.2	72.0	61.0
GA.....	100,000	100,000	95,000	71.5	56.0	62.4
LA.....	4,000	2,500	4,500	70.0	66.0	41.0
MI.....	4,500	8,000	6,500	91.5	58.9	55.0
NM.....	27,000	25,000	26,000	91.0	65.0	67.0
NC.....	1,800	1,200	3,500	70.0	65.0	68.0
OK.....	1,500	1,000	2,500	96.5	79.3	64.6
SC.....	3,250	2,300	4,000	64.5	67.5	61.4
TX.....	27,000	22,000	30,000	95.0	80.0	65.0
US.....	182,650	179,650	185,300	79.3	60.1	62.6
<b>NATIVE AND SEEDLING</b>						
AL.....	6,400	11,250	4,000	67.0	33.0	41.0
AR.....	300	500	1,100	61.0	38.0	37.0
CA.....	20,000	15,000	15,000	51.5	41.0	43.8
FL.....	2,400	2,400	2,600	49.5	63.0	37.0
LA.....	26,000	16,500	17,500	58.0	36.0	38.0
MI.....	3,000	4,000	3,500	61.7	40.4	37.0
NC.....	2,200	800	2,000	50.0	45.0	50.0
OK.....	13,500	11,000	44,500	59.0	38.0	42.2
SC.....	3,250	1,100	2,500	45.5	45.0	45.8
TX.....	13,000	20,000	30,000	65.0	35.0	40.0
US.....	90,050	82,550	122,700	57.6	37.7	41.1
<b>ALL PECANS</b>						
AL.....	16,000	25,000	10,000	79.6	38.0	51.2
AR.....	1,200	1,800	3,000	81.3	61.4	48.4
CA.....	( <sup>2</sup> )	( <sup>2</sup> )	2,000			70.0
FL.....	5,500	5,500	6,000	59.5	68.1	50.6
GA.....	120,000	115,000	110,000	68.2	54.0	59.9
LA.....	30,000	19,000	22,000	59.6	39.9	38.6
MI.....	7,500	12,000	10,000	79.6	52.7	48.7
NM.....	27,000	25,000	26,000	91.0	65.0	67.0
NC.....	4,000	2,000	5,500	59.0	57.0	61.5
OK.....	15,000	12,000	47,000	62.8	41.4	43.4
SC.....	6,500	3,400	6,500	55.0	60.2	55.4
TX.....	40,000	42,000	60,000	85.3	58.6	52.5
US.....	272,700	262,200	308,000	72.1	53.1	54.1

<sup>1</sup> Preliminary.

<sup>2</sup> Not estimated.

National Agricultural Statistics Service.

**Table 347.—Pecans (shelled basis<sup>1</sup>): Foreign trade, United States, 1974-87**

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	Metric tons	Metric tons		Metric tons	Metric tons		Metric tons	Metric tons
1974.....	3	1,536	1979.....	300	1,539	1984.....	1,336	931
1975.....	1,425	1,660	1980.....	478	2,021	1985.....	5,181	968
1976.....	1,612	1,066	1981.....	220	1,352	1986.....	3,938	1,229
1977.....	232	1,637	1982.....	384	2,665	1987.....	5,345	1,961
1978.....	617	1,540	1983.....	2,244	1,548			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 348.—Walnuts (English): Production, marketing year average price per ton, and value, United States, 1974-88**

Year	California			Oregon			California and Oregon		
	Production	Price	Value	Production <sup>1</sup>	Price	Value	Production <sup>1</sup>	Price	Value
	Tons	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1974.....	155,000	419	64,945	1,500	380	570	156,500	419	65,515
1975.....	198,000	456	90,288	1,300	390	507	199,300	456	90,795
1976.....	183,000	627	114,741	700	605	424	183,700	627	115,165
1977.....	192,000	725	139,200	500	710	355	192,500	725	139,555
1978.....	160,000	1,302	208,320	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )			
1979.....	208,000	847	176,176						
1980.....	197,000	936	184,392						
1981.....	225,000	1,014	228,150						
1982.....	234,000	1,020	238,680						
1983.....	199,000	631	125,569						
1984.....	213,000	730	155,490						
1985.....	219,000	798	174,762						
1986.....	180,000	1,080	194,400						
1987.....	247,000	984	243,048						
1988 <sup>3</sup> .....	206,000	927	190,962						

<sup>1</sup> Additional quantities not harvested are as follows (tons): 1975—Oregon, 200.

<sup>2</sup> Estimates discontinued after 1977 crop.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 349.—Walnuts (shelled basis<sup>1</sup>): Foreign trade, United States, 1974-87**

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	Metric tons	Metric tons		Metric tons	Metric tons		Metric tons	Metric tons
1974.....	15	11,639	1979.....	98	18,541	1984.....	165	24,509
1975.....	53	19,067	1980.....	4	21,772	1985.....	43	24,109
1976.....	24	16,741	1981.....	37	23,614	1986.....	1,261	29,216
1977.....	66	7,574	1982.....	107	17,392	1987.....	158	29,161
1978.....	533	12,826	1983.....	31	17,713			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 350.—Cacao beans: United States imports by country of origin, 1986-88

Continent and country	1986	1987	1988	Continent and country	1986	1987	1988
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North America:</b>				<b>Africa:</b>			
Costa Rica .....	482	18	257	Cameroon .....	501	40	.....
Dominican Republic .....	34,425	34,549	43,444	Nigeria .....	2,100	874	20,455
Guatemala .....	1,270	1,208	939	Ivory Coast .....	70,308	87,750	51,739
Haiti .....	224	1,393	1,077	Ghana .....	31,085	23,484	12,656
Mexico .....	674	1,276	1,188*	Other countries .....	546	181	1,567
Trinidad and Tobago .....	401	566	872	<b>Total .....</b>	<b>104,540</b>	<b>112,329</b>	<b>86,417</b>
Other countries .....	1,904	1,734	1,746				
<b>Total .....</b>	<b>39,380</b>	<b>40,744</b>	<b>49,523</b>	<b>Asia and Oceania:</b>			
				Indonesia .....	1,674	580	1,993
<b>South America:</b>				Malaysia .....	2,046	7,332	32,083
Brazil .....	36,579	47,699	21,975	Papua New Guinea .....	6,576	4,059	7,635
Colombia .....	30	2,638	4,030	Other countries .....	346*	181	719
Ecuador .....	14,898	44,649	31,911	<b>Total .....</b>	<b>10,642</b>	<b>12,152</b>	<b>42,430</b>
Venezuela .....	1,034	480	170				
Other countries .....	.....	1,589	.....	<b>Europe .....</b>	<b>2,198</b>	<b>333</b>	<b>289</b>
<b>Total .....</b>	<b>52,541</b>	<b>97,055</b>	<b>58,086</b>	<b>Grand total .....</b>	<b>209,301</b>	<b>262,613</b>	<b>236,745</b>

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 351.—Cacao beans: Exports from principal producing countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North America:</b>				<b>Africa—Con.</b>			
Costa Rica .....	1,450	1,298	880	Ghana .....	172,397	195,774	198,838
Dominican Republic .....	31,359	35,867	38,914	Ivory Coast .....	419,305	465,175	443,300
Grenada .....	2,179	1,422	1,000	Liberia .....	4,977	3,936	3,100
Haiti .....	3,800	2,700	3,400	Madagascar .....	1,624	2,119	2,964
Jamaica .....	1,886	2,196	1,852	Nigeria .....	92,891	148,426	82,000
Mexico .....	1,588	1,700	1,660	Sao Tome and Principe .....	3,055	2,860	2,760
Trinidad and Tobago .....	1,312	1,305	1,478	Sierra Leone .....	10,224	8,586	8,936
Other countries .....	3,800	4,300	4,500	Tanzania .....	1,460	760	2,500
<b>Total .....</b>	<b>47,374</b>	<b>50,788</b>	<b>53,684</b>	Togo .....	6,719	12,787	12,000
				Uganda .....	239	210	370
<b>South America:</b>				Zaire .....	4,429	6,378	5,430
Brazil .....	172,321	135,150	143,482	<b>Total .....</b>	<b>834,335</b>	<b>959,997</b>	<b>881,679</b>
Ecuador .....	68,899	38,285	43,961				
Peru .....	480	700	500	<b>Asia and Oceania:</b>			
Venezuela .....	5,919	5,466	5,759	Indonesia .....	30,167	33,173	37,231
<b>Total .....</b>	<b>247,619</b>	<b>179,601</b>	<b>193,702</b>	Malaysia .....	81,465	106,084	157,428
				Papua New Guinea .....	30,131	30,929	34,700
<b>Africa:</b>				Solomon Islands .....	1,753	2,037	2,696
Benin .....	16,077	13,119	6,070	Sri Lanka .....	1,092	647	804
Cameroon .....	88,486	89,667	104,796	Vanuatu .....	814	1,197	1,243
Comoro Islands .....	10	10	10	Western Samoa .....	535	1,285	767
Congo .....	1,572	1,190	1,160	<b>Total .....</b>	<b>145,957</b>	<b>175,352</b>	<b>234,869</b>
Equatorial Guinea .....	9,330	7,100	5,700				
Gabon .....	1,540	1,900	1,745	<b>Grand total .....</b>	<b>1,275,285</b>	<b>1,365,738</b>	<b>1,363,934</b>

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

**Table 352.—Coffee: Area, yield, production, marketing year average price, and value, Hawaii, 1974-75 to 1988-89**

Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value	Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974-75 .....	2,500	0.6	1,540	0.464	714	1982-83 .....	1,900	.5	990	2.15	2,129
1975-76 .....	2,000	.9	1,860	.752	1,399	1983-84 .....	1,800	1.6	2,800	2.25	6,300
1976-77 .....	2,000	1.1	2,120	1.85	3,922	1984-85 .....	1,700	1.0	1,750	2.75	4,813
1977-78 .....	2,000	1.1	2,270	1.38	3,133	1985-86 .....	1,650	1.1	1,850	2.80	5,180
1978-79 .....	1,900	.9	1,680	1.26	2,117	1986-87 .....	2,000	1.5	3,000	2.90	8,700
1979-80 .....	1,800	1.2	2,190	1.43	3,132	1987-88 .....	2,050	.8	1,800	2.70	4,860
1980-81 .....	1,700	.9	1,440	1.60	2,304	1988-89 <sup>1</sup> .....	2,150	.9	1,900	3.00	5,700
1981-82 .....	1,700	1.3	2,210	2.00	4,420						

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 353.—Coffee: United States imports by country of origin, 1986-88<sup>1</sup>**

Continent and country	1986	1987	1988 <sup>2</sup>	Continent and country	1986	1987	1988 <sup>2</sup>
	<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>		<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>
<b>North America:</b>				<b>Africa—Con.</b>			
Costa Rica .....	414	551	233	Cote d'Ivoire .....	698	476	654
Dominican Republic .....	488	446	366	Ethiopia .....	246	421	218
El Salvador .....	1,108	1,117	829	Kenya .....	436	277	143
Guatemala .....	1,666	1,439	605	Madagascar .....	59	6	4
Honduras .....	405	509	141	Rwanda .....	34	61	58
Mexico .....	2,283	2,764	1,719	Uganda .....	739	587	481
Other countries .....	208	132	78	Zaire .....	75	54	12
<b>Total .....</b>	<b>6,572</b>	<b>6,958</b>	<b>3,971</b>	Other countries .....	88	96	61
				<b>Total .....</b>	<b>2,517</b>	<b>2,054</b>	<b>1,695</b>
<b>South America:</b>				<b>Asia and Oceania:</b>			
Brazil .....	2,281	3,928	4,213	India .....	378	238	127
Colombia .....	2,675	2,549	2,235	Indonesia .....	1,358	911	731
Ecuador .....	1,375	1,285	801	Papua, New Guinea .....	93	47	15
Peru .....	679	573	435	Philippines .....	444	105	298
Venezuela .....	224	163	72	Thailand .....	282	302	296
Other countries .....	101	73	79	Other countries .....	197	52	55
<b>Total .....</b>	<b>7,335</b>	<b>8,571</b>	<b>7,835</b>	<b>Total .....</b>	<b>2,752</b>	<b>1,655</b>	<b>1,522</b>
<b>Africa:</b>				<b>Other countries .....</b>	<b>667</b>	<b>668</b>	<b>311</b>
Burundi .....	53	45	14	<b>Grand total .....</b>	<b>19,843</b>	<b>19,906</b>	<b>15,334</b>
Cameroon .....	89	31	50				

<sup>1</sup> Green coffee only; does not include roasted or soluble.<sup>2</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

## FOOTNOTES FOR TABLE 358

<sup>1</sup> Includes straw mushrooms.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 354.—Coffee: Exports from principal producing countries, 1985-87 <sup>1</sup>

Continent and country of origin	1985	1986	1987 <sup>2</sup>	Continent and country of origin	1985	1986	1987 <sup>2</sup>
	<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>		<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>
<b>North America:</b>				<b>Africa—Con.</b>			
Costa Rica.....	2,040	1,560	2,273	Central African Republic..	316	164	193
Dominican Republic.....	517	518	506	Ethiopia.....	1,133	1,250	1,226
El Salvador.....	2,632	2,072	2,580	Guinea.....	5	67	78
Guatemala.....	3,099	2,267	2,466	Cote d'Ivoire.....	4,662	4,186	2,815
Haiti.....	308	268	209	Kenya.....	1,698	2,046	1,601
Honduras.....	1,192	1,324	1,451	Madagascar.....	749	845	803
Mexico.....	3,294	3,354	3,652	Tanzania.....	710	843	791
Nicaragua.....	704	558	654	Togo.....	268	199	217
<b>Total.....</b>	<b>13,786</b>	<b>11,921</b>	<b>13,791</b>	Uganda.....	2,538	2,347	2,517
				Zaire.....	1,088	2,436	1,774
				<b>Total.....</b>	<b>15,094</b>	<b>16,482</b>	<b>13,691</b>
<b>South America:</b>				<b>Asia and Oceania:</b>			
Brazil.....	19,158	10,096	18,847	India.....	1,592	1,490	1,563
Colombia.....	9,994	11,380	11,284	Indonesia.....	4,869	4,991	4,839
Ecuador.....	1,588	1,920	1,863	Papua New Guinea.....	677	887	1,111
Peru.....	1,008	1,247	1,165	<b>Total.....</b>	<b>7,138</b>	<b>7,368</b>	<b>7,513</b>
Venezuela.....	146	336	212	<b>Grand total.....</b>	<b>67,912</b>	<b>60,750</b>	<b>68,366</b>
<b>Total.....</b>	<b>31,894</b>	<b>24,979</b>	<b>33,371</b>				
<b>Africa:</b>							
Angola.....	311	310	269				
Cameroon.....	1,616	1,789	1,407				

<sup>1</sup> Mostly green coffee, some countries include soluble or roasted. <sup>2</sup> Preliminary.  
Foreign Agricultural Service, International Coffee Organization.

Table 355.—Tea: United States imports by country of origin, 1986-88

Continent and country	1986	1987	1988 <sup>1</sup>	Continent and country	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North America:</b>				<b>Asia and Oceania—Con.</b>			
Canada.....	1,597	1,491	1,389	Hong Kong.....	1,724	1,088	318
<b>Total.....</b>	<b>1,597</b>	<b>1,491</b>	<b>1,389</b>	India.....	3,884	3,042	3,625
				Indonesia.....	16,270	10,395	14,380
<b>Central and South America:</b>				Japan.....	1,155	1,184	1,146
Argentina.....	16,367	15,897	13,815	Papua New Guinea.....	14	75	321
Brazil.....	5,554	5,418	4,147	Sri Lanka.....	7,755	4,799	5,919
Ecuador.....	453	576	1,580	Other countries.....	466	251	279
Other countries.....	691	257	354	<b>Total.....</b>	<b>49,688</b>	<b>38,422</b>	<b>49,979</b>
<b>Total.....</b>	<b>23,065</b>	<b>22,148</b>	<b>19,896</b>	<b>Africa:</b>			
				Kenya.....	4,330	4,145	6,198
<b>Europe:</b>				Malawi.....	1,205	1,991	1,645
Germany, Fed. Rep. of.....	2,535	3,422	5,198	Mozambique.....	278	184	66
Netherlands.....	4,053	3,258	3,843	Rwanda.....	1,182	591	680
United Kingdom.....	918	515	513	South Africa.....	305	68	31
Other countries.....	190	128	133	Tanzania.....	556	387	159
<b>Total.....</b>	<b>7,696</b>	<b>7,323</b>	<b>9,687</b>	Other countries.....	647	641	414
				<b>Total.....</b>	<b>8,503</b>	<b>8,007</b>	<b>9,193</b>
<b>Asia and Oceania:</b>				<b>Grand total.....</b>	<b>90,549</b>	<b>77,391</b>	<b>90,144</b>
China.....	16,925	16,728	22,950				
Taiwan.....	1,494	860	1,041				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 356.—Tea: Exports from principal producing countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
South America:				Asia and Oceania:			
Argentina .....	30,657	36,279	33,647	Bangladesh.....	30,306	27,675	21,606
Brazil .....	8,807	10,851	8,073	China .....	140,651	172,028	174,274
Ecuador .....	492	889	1,075	India .....	9,127	9,011	7,375
Total .....	39,956	48,019	42,795	Taiwan .....	214,021	203,149	204,230
Africa:				Indonesia .....	90,121	78,957	90,422
Burundi .....	4,146	3,451	4,260	Japan .....	1,805	1,261	1,107
Kenya .....	126,086	116,456	134,963	Malaysia .....	264	305	400
Malawi .....	37,357	40,189	33,404	Papua New Guinea .....	7,025	5,213	5,491
Mauritius .....	7,063	6,364	6,595	Sri Lanka .....	197,580	207,567	200,774
Mozambique .....	3,190	1,820	2,100	Turkey .....	1,859	798	177
Rwanda .....	11,622	11,000	12,008	Vietnam .....	10,000	10,000	10,000
Tanzania .....	13,042	14,370	11,441	Total .....	702,759	715,964	715,856
Uganda .....	1,254	2,792	2,079	Grand total.....	958,990	974,565	977,390
Zaire .....	2,479	2,321	1,784				
Zimbabwe .....	10,036	11,819	10,105				
Total .....	216,275	210,582	218,739				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

Table 357.—Mushrooms: Area, production, marketing year average price, and value, United States, 1975/76-1988/89 <sup>1</sup>

Year <sup>2</sup>	Area in production <i>1,000 sq. ft.</i>	Production <i>1,000 pounds</i>	Price per pound <i>Cents</i>	Value of production		
				Total <i>1,000 dollars</i>	Fresh market <i>1,000 dollars</i>	Processing <i>1,000 dollars</i>
1975-76 .....	114,711	309,816	61.7	191,098	102,234	88,864
1976-77 .....	117,692	347,129	73.7	255,678	124,613	131,065
1977-78 .....	135,101	398,703	77.1	307,588	172,159	135,429
1978-79 .....	146,738	454,007	79.7	361,800	217,770	144,030
1979-80 .....	150,758	470,069	78.4	368,597	245,201	123,396
1980-81 .....	140,346	469,576	79.8	374,499	260,439	114,060
1981-82 .....	141,326	517,146	81.0	418,706	308,805	109,901
1982-83 .....	135,395	490,826	87.9	431,421	338,048	93,373
1983-84 .....	142,810	561,531	86.6	486,388	374,327	112,061
1984-85 .....	139,133	595,681	82.9	493,648	392,762	100,886
1985-86 .....	129,565	587,966	83.9	493,093	404,914	88,179
1986-87 .....	129,496	615,387	86.5	531,658	443,037	88,621
1987-88 .....	130,527	631,819	86.1	544,300	444,967	99,333
1988-89 .....	132,271	667,367	89.1	594,550	472,377	122,173

<sup>1</sup> Area, production, price, and value estimates are primarily Agaricus, but also include exotic and specialty mushrooms through 1986-87. Statistics after 1986-87 are for Agaricus only.<sup>2</sup> Marketing year begins July 1 and ends June 30 the following year.

National Agricultural Statistics Service.

Table 358.—Mushrooms, canned: United States imports by country of origin, 1979–88

Country	1979	1980	1981 <sup>1</sup>	1982 <sup>1</sup>	1983 <sup>1</sup>	1984 <sup>1</sup>	1985 <sup>1</sup>	1986 <sup>1</sup>	1987 <sup>1</sup>	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Canada.....	29	38	8	35	42	5	11	64	31	7
China.....	119	6,723	12,449	16,617	16,639	20,530	20,854	22,021	28,438	23,925
Taiwan.....	20,528	24,371	11,030	17,345	19,289	28,072	22,162	23,763	26,200	11,590
Costa Rica.....	330									9
Dominican Rep.....	258	317	22	28						
France.....	89	93	70	50	257	798	209	118	92	107
Hong Kong.....	6,593	8,879	10,651	7,379	7,745	10,128	14,073	18,840	9,800	7,518
Netherlands.....			1	1	335	2,302	1,281	455	233	76
Japan.....	240	206	167	114	179	355	283	174	212	58
Korea, Rep. of.....	12,946	8,803	4,276	2,350	3,624	5,283	4,563	3,503	2,037	1,613
Macao.....	335	902	1,040	1,511	1,500	854	546	913	1	
Indonesia.....					1		401	970	1,412	3,983
Spain.....	237	46	78	16	1,047	6,967	4,795	1,998	2,201	2,523
Other.....	195	94	61	164	158	957	571	1,118	858	1,085
Total.....	41,899	50,472	39,853	45,610	50,816	76,251	69,749	73,937	71,515	52,494

See footnotes on page 238.

**Table 359.—Exotic mushrooms: Number of growers, total production, volume of sales, price per pound, and value of sales, July 1-June 30 <sup>1</sup>**

Year and variety	Growers	All sales			
		Total production <sup>2</sup>	Volume of sales <sup>3</sup>	Price per pound	Value of sales
	Number	1,000 pounds	1,000 pounds	Dollars	1,000 dollars
1986-87					
Shitake.....		3,448	3,436	5.42	18,608
Oyster.....		1,428	1,283	2.07	2,653
Other.....		303	299	3.13	935
US.....	61	5,179	5,018	4.42	22,196
1987-88					
Shitake.....		3,734	3,606	5.34	19,258
Oyster.....		961	931	2.33	2,167
Other.....		495	448	2.80	1,254
US.....	73	5,190	4,985	4.55	22,679
1988-89					
Shitake.....		3,705	3,526	4.70	16,589
Oyster.....		1,502	1,434	2.72	3,907
Other.....		564	533	2.68	1,427
US <sup>4</sup> .....	232	5,771	5,493	3.99	21,923

<sup>1</sup> Exotic mushroom estimates through the 1987-88 crop year represent commercial growers with sales of over \$10,000. Statistics after 1987-88 represent growers who have at least 200 natural wood logs or commercial indoor growing area.

<sup>2</sup> Total production includes all fresh market and processing sales plus amount harvested but not sold (shrinkage, cullage, dumped, etc.).

<sup>3</sup> Virtually all exotic mushroom sales are for fresh market.

<sup>4</sup> States reporting in 1988-89. East: Federal Regions I-IV include Conn., Fla., Ky., Mass., NC., Pa., Va., and W. Va. Central: Federal Regions V and VII include Ill., Ind., Iowa, Mich., Minn., Mo., Ohio, and Wis. West: Federal Regions VI, VIII, IX and X include Ark., Calif., Hawaii, Idaho, Okla., Oreg., S. Dak., Tex., Utah, and Wash.

National Agricultural Statistics Service.



Table 360.—Cut flowers: Sales and value, United States, 1978-88

Year	Quantity sold	Wholesale price	Value of sales at wholesale <sup>1</sup>	Quantity sold	Wholesale price	Value of sales at wholesale <sup>1</sup>
Standard carnations			Miniature carnations			
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Bunches</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1978.....	466,363	9.1	42,594	4,844	1.39	6,729
1979.....	408,840	11.0	44,784	5,838	1.44	8,425
1980.....	379,375	11.0	41,880	5,891	1.54	9,044
1981.....	345,747	11.8	40,936	5,989	1.60	9,605
1982.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1983.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1984.....	292,593	13.0	37,934	10,103	1.46	14,796
1985 <sup>3</sup> .....	289,985	15.9	46,156	11,458	1.68	18,883
1986 <sup>3</sup> .....	258,814	15.1	39,033	11,472	1.44	16,471
1987.....	274,865	14.7	40,479	13,258	1.43	18,995
1988.....	292,409	14.5	42,410	13,229	1.43	20,002
Standard chrysanthemums			Pompon chrysanthemums <sup>4</sup>			
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Bunches</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1978.....	124,424	25.7	31,920	37,892	1.03	38,910
1979.....	107,578	24.8	26,714	34,992	1.06	36,957
1980.....	93,753	27.6	25,848	34,900	1.08	37,737
1981.....	86,562	26.2	22,698	36,735	1.09	40,021
1982.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1983.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1984.....	67,113	33.3	22,335	33,323	1.17	38,846
1985 <sup>3</sup> .....	60,162	42.1	25,345	36,845	1.22	44,805
1986 <sup>3</sup> .....	43,657	35.8	15,625	32,666	1.10	35,822
1987.....	42,752	35.7	15,256	29,088	1.31	38,083
1988.....	43,718	35.7	14,213	29,797	1.31	37,642
Hybrid Tea roses			Sweetheart roses <sup>4</sup>			
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>
1978.....	306,806	22.5	69,069	112,449	16.0	18,005
1979.....	327,824	23.9	78,332	116,796	17.1	20,019
1980.....	313,631	27.1	85,036	112,036	19.9	22,322
1981.....	312,955	28.8	90,036	108,684	19.9	21,603
1982.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1983.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1984.....	354,131	30.2	106,761	108,308	22.4	24,231
1985 <sup>3</sup> .....	370,497	34.0	125,925	106,529	24.6	26,213
1986 <sup>3</sup> .....	354,702	35.3	125,038	107,475	24.3	26,166
1987.....	438,184	34.8	152,646	126,437	23.8	30,133
1988.....	434,879	34.9	151,590	124,700	24.3	30,263
Gladioli			Other cut flowers <sup>5</sup>			
	<i>1,000 Spikes</i>	<i>Cents</i>	<i>1,000 dollars</i>			<i>1,000 dollars</i>
1978.....	148,926	10.9	16,248			
1979.....	149,704	13.2	19,824			
1980.....	146,602	13.2	19,397			
1981.....	136,004	14.6	19,904			
1982.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )			
1983.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )			
1984.....	124,812	17.4	21,775			
1985 <sup>3</sup> .....	158,996	16.1	25,555			58,848
1986 <sup>3</sup> .....	170,788	15.5	26,534			75,137
1987.....	200,526	16.2	32,446			111,435
1988.....	199,396	16.2	33,932			122,427

<sup>1</sup> Equivalent wholesale value of all sales. <sup>2</sup> 1982-83 data not available because of program reduction. <sup>3</sup> 1985 and 1986 data not comparable with 1984. <sup>4</sup> Data for 1977-84 includes a small amount of standard chrysanthemums to avoid disclosure of individual operations. <sup>5</sup> Begun in 1985.

National Agricultural Statistics Service.

## CHAPTER VI

# STATISTICS OF HAY, SEEDS, AND MINOR FIELD CROPS

Chapter VI deals with hay, pasture, seeds, and various minor field crops. Table 370 shows the seeding rate for a number of specified crops. The state averages are based on surveys made in 1980. The United States average rates are derived by weighting the average for each State by the area planted to the particular crop. Rates are not shown for States where the crop is not estimated currently.

**Table 361.—Hay, all: Area, yield, production, disposition, and value, United States, 1974-88**

Year	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Marketing year average price per ton received by farmers	Value of production
	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974	60,195	2.10	126,384	100,897	25,487	50.90	5,790,715
1975	61,353	2.16	132,397	105,874	26,523	52.10	6,468,070
1976	60,377	1.99	120,125	94,675	25,450	60.20	6,814,924
1977	60,988	2.17	132,211	105,133	27,078	53.70	6,826,411
1978	62,113	2.32	143,817	115,544	28,273	49.80	6,668,678
1979	61,279	2.40	147,307	118,846	29,001	59.40	7,345,466
1980	58,870	2.22	130,740	( <sup>2</sup> )	( <sup>2</sup> )	71.00	8,084,666
1981	59,599	2.39	142,520	( <sup>2</sup> )	( <sup>2</sup> )	67.30	9,181,300
1982	59,812	2.50	149,241	( <sup>2</sup> )	( <sup>2</sup> )	69.30	9,529,516
1983	59,717	2.36	140,764	( <sup>2</sup> )	( <sup>2</sup> )	75.80	9,967,208
1984	61,445	2.45	150,648	( <sup>2</sup> )	( <sup>2</sup> )	72.70	10,203,921
1985	60,423	2.46	148,601	( <sup>2</sup> )	( <sup>2</sup> )	67.60	9,437,282
1986	62,419	2.49	155,529	( <sup>2</sup> )	( <sup>2</sup> )	59.70	8,610,996
1987	60,748	2.46	149,302	( <sup>2</sup> )	( <sup>2</sup> )	65.10	8,969,074
1988 <sup>1</sup>	65,559	1.93	126,817	( <sup>2</sup> )	( <sup>2</sup> )	87.10	10,792,631

<sup>1</sup> Preliminary.    <sup>2</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 362.—Hay, all: Stocks on farms, United States, 1974-89**

Year	Jan. 1	May 1	Year	Jan. 1	May 1
	<i>1,000 tons</i>	<i>1,000 tons</i>		<i>1,000 tons</i>	<i>1,000 tons</i>
1974	93,159	25,353	1982	99,160	24,981
1975	84,687	18,505	1983	103,396	28,118
1976	86,411	25,541	1984	89,280	20,148
1977	77,651	19,540	1985	100,589	26,853
1978	92,136	24,184	1986	96,555	26,698
1979	99,024	30,108	1987	<sup>1</sup> 121,734	32,418
1980	107,707	33,192	1988	119,845	27,353
1981	91,689	25,374	1989 <sup>2</sup>	90,887	17,627

<sup>1</sup> Per program modification, hay stocks survey reference data was changed from Jan. 1 to Dec. 1 previous year beginning Dec. 1, 1987.    <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 363.—Hay, alfalfa and alfalfa mixtures: Area, yield, and production, by States, 1986-88**

State	Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AZ.....	155	160	155	7.60	7.80	7.90	1,178	1,248	1,225
AR.....	35	35	35	3.00	3.00	2.30	105	105	81
CA.....	1,080	1,150	1,100	6.60	6.70	6.60	7,128	7,705	7,260
CO.....	770	830	780	3.40	3.50	3.40	2,618	2,905	2,652
CT.....	20	21	19	2.85	2.60	2.65	57	55	50
DE.....	7	9	9	3.00	2.75	3.75	21	25	34
ID.....	1,100	1,020	920	3.80	3.90	3.80	4,180	3,978	3,496
IL.....	630	570	950	4.10	3.90	2.50	2,583	2,223	2,375
IN.....	400	380	460	3.50	3.80	2.60	1,400	1,444	1,196
IA.....	1,600	1,450	2,400	3.80	3.75	2.35	6,080	5,438	5,640
KS.....	900	850	750	3.90	3.80	3.30	3,510	3,230	2,475
KY.....	255	260	320	3.20	3.30	2.80	816	858	896
LA.....	12	12	10	2.70	2.80	2.80	32	34	28
ME.....	23	24	21	2.35	2.25	2.50	54	54	53
MD.....	80	85	80	3.10	3.75	3.75	248	319	300
MA.....	29	30	31	3.10	2.60	2.50	90	78	78
MI.....	1,400	1,180	1,300	3.60	3.20	2.60	5,040	3,776	3,380
MN.....	1,950	1,700	2,400	3.90	3.50	1.90	7,605	5,950	4,560
MO.....	420	420	400	3.00	2.90	2.10	1,260	1,218	840
MT.....	1,300	1,300	1,100	2.30	2.20	1.90	2,990	2,860	2,090
NE.....	1,350	1,300	1,350	3.45	3.55	3.00	4,658	4,615	4,050
NV.....	240	245	250	4.10	4.20	4.20	984	1,029	1,050
NH.....	21	22	19	2.80	2.50	2.50	59	55	48
NJ.....	43	40	39	3.40	3.40	3.10	146	136	121
NM.....	240	240	220	5.00	5.10	4.90	1,200	1,224	1,078
NY.....	925	930	970	2.85	2.80	2.70	2,636	2,604	2,619
NC.....	30	25	30	2.00	2.80	2.75	60	70	83
ND.....	1,550	1,600	1,000	2.10	1.90	0.75	3,255	3,040	750
OH.....	730	725	725	3.70	3.70	2.90	2,701	2,683	2,103
OK.....	430	410	410	3.50	3.30	3.10	1,505	1,353	1,271
OR.....	460	430	415	4.20	4.10	4.10	1,932	1,806	1,702
PA.....	840	850	840	3.20	3.20	2.90	2,688	2,720	2,496
RI.....	3	3	2	3.00	2.70	2.75	9	8	6
SD.....	2,500	2,350	2,100	2.50	2.20	1.10	6,250	5,170	2,310
TN.....	100	120	100	3.00	2.70	2.10	300	324	210
TX.....	160	140	100	4.00	3.50	3.90	640	490	390
UT.....	470	465	480	3.90	4.10	3.90	1,833	1,907	1,872
VT.....	115	120	105	2.50	2.50	2.20	288	300	231
VA.....	110	124	120	2.40	2.80	3.20	264	347	384
WA.....	470	460	490	4.20	4.30	4.20	1,974	1,978	2,058
WV.....	90	80	70	2.50	2.80	2.30	225	224	161
WI.....	3,150	2,800	3,100	3.00	2.80	1.40	9,450	7,840	4,340
WY.....	600	570	520	2.50	2.40	2.50	1,500	1,368	1,300
US.....	26,793	25,535	26,695	3.42	3.32	2.60	91,552	84,794	69,282

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 364.—Hay, all other: Area, yield, and production, by States, 1986-88**

State	Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	700	700	750	1.60	2.10	2.00	1,120	1,470	1,500
AZ.....	22	30	25	3.80	4.50	4.00	84	135	100
AR.....	920	950	935	2.00	1.70	1.70	1,840	1,615	1,590
CA.....	600	520	580	2.50	2.50	2.40	1,500	1,300	1,392
CO.....	640	670	870	1.60	1.70	1.50	1,024	1,139	1,305
CT.....	66	67	60	2.30	2.15	2.25	152	144	135
DE.....	16	14	17	1.80	1.95	2.00	29	27	34
FL.....	260	275	270	2.60	2.90	2.70	676	798	729
GA.....	530	600	570	1.70	2.20	2.20	901	1,320	1,254
ID.....	300	250	220	1.80	2.10	1.75	540	525	385

See footnotes at end of table.

Table 364.—Hay, all other: Area, yield, and production, by States, 1986-88—Continued

State	Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
IL.....	470	430	550	2.30	2.20	1.70	1,081	946	935
IN.....	380	350	480	2.20	2.30	1.40	836	805	672
IA.....	800	550	800	2.40	2.30	1.40	1,920	1,265	1,120
KS.....	1,600	1,550	1,800	1.80	1.80	1.50	2,880	2,790	2,700
KY.....	1,540	1,900	1,950	1.80	1.80	1.50	2,772	3,420	2,925
LA.....	288	348	345	2.60	2.70	2.50	749	940	863
ME.....	202	192	195	1.95	1.95	1.85	394	374	361
MD.....	145	150	145	1.80	2.15	2.20	261	323	319
MA.....	98	97	95	2.40	2.20	2.25	235	213	214
MI.....	370	320	600	1.90	1.90	1.40	703	608	840
MN.....	900	925	1,600	2.30	2.00	1.50	2,070	1,850	2,400
MS.....	580	570	650	2.00	2.50	2.00	1,160	1,425	1,300
MO.....	2,980	3,100	3,600	1.60	1.60	1.20	4,768	4,960	4,320
MT.....	950	900	700	1.40	1.50	1.00	1,330	1,350	700
NE.....	2,100	1,800	2,050	1.30	1.25	1.20	2,730	2,250	2,460
NV.....	280	270	260	1.40	1.30	1.10	392	351	286
NH.....	66	63	65	2.10	2.00	2.10	139	126	137
NJ.....	72	72	71	2.10	2.10	1.90	151	151	135
NM.....	70	65	55	1.70	1.80	1.80	119	117	99
NY.....	1,320	1,300	1,190	2.10	2.05	1.95	2,772	2,665	2,321
NC.....	380	410	420	1.35	1.60	1.70	513	656	714
ND.....	1,550	1,350	1,800	1.40	1.30	.70	2,170	1,755	1,260
OH.....	730	725	900	2.20	2.40	1.60	1,606	1,740	1,440
OK.....	1,550	1,800	1,900	1.80	1.70	1.40	2,790	3,060	2,660
OR.....	650	690	650	1.85	1.75	1.65	1,202	1,208	1,073
PA.....	1,160	1,180	1,200	2.10	2.10	1.90	2,436	2,478	2,280
RI.....	6	5	6	2.35	2.20	2.30	14	11	14
SC.....	205	225	240	1.60	2.00	2.10	328	450	504
SD.....	2,200	1,600	2,000	1.40	1.20	.80	3,080	1,920	1,600
TN.....	1,280	1,450	1,500	1.40	1.60	1.40	1,792	2,320	2,100
TX.....	3,100	3,100	3,100	2.20	2.40	1.60	6,820	7,440	4,960
UT.....	155	160	140	1.95	2.10	1.90	302	336	266
VT.....	325	290	300	2.00	1.90	1.80	650	551	540
VA.....	1,000	1,200	1,080	1.20	1.50	1.70	1,200	1,800	1,836
WA.....	360	300	310	2.50	2.40	2.50	900	720	775
WV.....	480	550	550	1.20	1.40	1.30	576	770	715
WI.....	530	520	650	2.50	2.00	.90	1,325	1,040	585
WY.....	700	630	620	1.35	1.35	1.10	945	851	682
US.....	35,626	35,213	38,864	1.80	1.83	1.48	63,977	64,508	57,535

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 365.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 1974-88

Year beginning May	Farm carry-over May 1	Production	Total supply	Disappearance	Roughage-consuming animal units	Supply per animal unit	Disappearance per animal unit	Price received per ton
	Million tons	Million tons	Million tons	Million tons	Million units	Tons	Tons	Dollars
1974.....	25.4	126.4	151.8	133.3	103.8	1.46	1.28	50.90
1975.....	18.5	132.4	150.9	125.4	98.2	1.54	1.28	52.10
1976.....	25.5	120.1	145.6	126.1	94.8	1.54	1.33	60.20
1977.....	19.5	132.2	151.7	127.5	89.5	1.69	1.42	53.70
1978.....	24.2	143.8	168.0	137.9	86.0	1.95	1.60	49.80
1979.....	30.1	147.3	177.4	144.6	87.5	2.03	1.65	59.40
1980.....	33.2	130.7	163.9	138.5	89.9	1.82	1.54	71.00
1981.....	25.4	142.5	167.9	142.9	91.8	1.83	1.56	67.30
1982.....	25.0	149.2	174.2	146.1	90.2	1.93	1.62	69.30
1983.....	28.1	140.8	168.9	148.8	87.1	1.94	1.71	75.80
1984.....	20.1	150.6	170.7	143.8	83.6	2.04	1.72	72.70
1985.....	26.9	148.6	175.5	148.8	81.2	2.16	1.83	67.60
1986.....	26.7	155.5	182.2	149.8	79.0	2.31	1.90	59.70
1987.....	32.4	149.3	181.7	154.4	77.3	2.35	2.00	65.10
1988 <sup>1</sup> .....	27.4	126.8	154.2	136.5	77.7	1.98	1.76	87.10

<sup>1</sup> Preliminary.

Economic Research Service.

**Table 366.—Hay, all: Marketing Year average price and value of production, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per ton, baled			Value of production		
	1986	1987	1988	1986	1987	1988
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	65.50	63.50	63.50	73,360	93,345	95,250
AZ.....	70.50	81.50	92.00	88,971	112,715	121,900
AR.....	46.00	53.00	63.50	89,470	91,160	106,109
CA.....	72.50	77.50	94.50	625,530	697,888	817,614
CO.....	58.00	62.00	87.00	211,236	250,728	344,259
CT.....	95.00	99.00	110.00	19,855	19,701	20,350
DE.....	118.00	98.00	103.00	5,900	5,096	7,004
FL.....	72.00	72.00	68.00	48,672	57,456	49,572
GA.....	73.00	62.00	63.00	65,773	81,840	79,002
ID.....	53.50	49.50	79.00	252,352	222,899	306,599
IL.....	55.50	62.50	102.00	203,352	198,063	337,620
IN.....	47.50	56.00	118.00	106,210	125,944	220,424
IA.....	40.50	43.00	76.50	324,000	288,229	517,140
KS.....	43.00	58.50	85.00	274,770	352,170	439,875
KY.....	64.50	64.50	87.00	231,426	275,931	332,427
LA.....	49.00	44.00	53.00	38,269	42,856	47,223
ME.....	68.00	67.00	71.00	30,464	28,676	29,394
MD.....	116.00	96.00	101.00	59,044	61,632	62,519
MA.....	90.00	92.00	100.00	29,250	26,772	29,200
MI.....	52.00	60.50	98.00	298,636	265,232	415,560
MN.....	52.50	63.50	100.00	507,938	495,300	696,000
MS.....	48.00	38.00	44.00	55,680	54,150	57,200
MO.....	55.00	58.50	79.00	331,540	361,413	407,640
MT.....	51.00	45.00	88.00	220,320	189,450	245,520
NE.....	34.00	40.00	65.00	251,192	274,600	423,150
NV.....	74.00	77.00	97.00	101,824	106,260	129,592
NH.....	92.00	92.00	100.00	18,216	16,652	18,500
NJ.....	102.00	105.00	107.00	30,294	30,135	27,392
NM.....	74.50	89.00	106.00	98,266	119,349	124,762
NY.....	70.50	72.00	77.50	391,264	379,868	382,850
NC.....	97.00	88.00	63.00	55,581	63,888	50,211
ND.....	37.00	36.50	76.50	200,725	175,018	153,765
OH.....	64.50	79.50	117.00	277,802	351,629	414,531
OK.....	54.50	63.00	79.00	234,078	278,019	310,549
OR.....	65.00	88.00	79.00	203,710	204,952	219,225
PA.....	80.00	84.50	95.00	409,920	439,231	448,020
RI.....	104.00	105.00	110.00	2,392	1,995	2,200
SC.....	73.00	67.50	72.50	23,944	30,375	35,532
SD.....	32.00	36.00	70.00	298,560	255,240	281,520
TN.....	61.00	53.00	58.00	127,612	140,132	139,980
TX.....	60.00	65.00	79.50	447,600	515,450	425,325
UT.....	62.50	67.00	76.50	133,438	150,281	163,557
VT.....	76.00	80.00	92.00	71,288	68,080	70,932
VA.....	94.00	85.00	81.00	137,616	182,495	179,820
WA.....	60.00	54.50	78.50	172,440	147,041	222,391
WV.....	55.00	59.00	77.00	44,055	58,646	67,452
WI.....	53.00	53.50	114.00	571,075	475,080	561,450
WY.....	51.50	48.00	82.00	125,918	106,512	162,524
US.....	59.70	65.10	87.10	8,610,996	8,969,074	10,792,631

National Agricultural Statistics Service.

Table 367.—Hay, all: Area, yield, and production, by States, 1986-88

State	Area harvested			Yield per harvested acre			Production		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	700	700	750	1.60	2.10	2.00	1,120	1,470	1,500
AZ.....	177	190	180	7.13	7.28	7.36	1,262	1,383	1,325
AR.....	955	985	970	2.04	1.75	1.72	1,945	1,720	1,671
CA.....	1,680	1,670	1,680	5.14	5.39	5.15	8,628	9,005	8,652
CO.....	1,410	1,500	1,650	2.58	2.70	2.40	3,642	4,044	3,957
CT.....	86	88	79	2.43	2.26	2.34	209	199	185
DE.....	23	23	26	2.17	2.26	2.62	50	52	68
FL.....	260	275	270	2.60	2.90	2.70	676	798	729
GA.....	530	600	570	1.70	2.20	2.20	901	1,320	1,254
ID.....	1,400	1,270	1,140	3.37	3.55	3.40	4,720	4,503	3,881
IL.....	1,100	1,000	1,500	3.33	3.17	2.21	3,664	3,169	3,310
IN.....	780	730	940	2.87	3.08	1.99	2,236	2,249	1,868
IA.....	2,400	2,000	3,200	3.33	3.35	2.11	8,000	6,703	6,760
KS.....	2,500	2,400	2,550	2.56	2.51	2.03	6,390	6,020	5,175
KY.....	1,795	2,160	2,270	2.00	1.98	1.68	3,588	4,278	3,821
LA.....	300	360	355	2.60	2.71	2.51	781	974	891
ME.....	225	216	216	1.99	1.98	1.92	448	428	414
MD.....	225	235	225	2.26	2.73	2.75	509	642	619
MA.....	127	127	126	2.56	2.29	2.32	325	291	292
MI.....	1,770	1,500	1,900	3.24	2.92	2.22	5,743	4,384	4,220
MN.....	2,850	2,625	4,000	3.39	2.97	1.74	9,675	7,800	6,960
MS.....	580	570	650	2.00	2.50	2.00	1,160	1,425	1,300
MO.....	3,400	3,520	4,000	1.77	1.76	1.29	6,028	6,178	5,160
MT.....	2,250	2,200	1,800	1.92	1.91	1.55	4,320	4,210	2,790
NE.....	3,450	3,100	3,400	2.14	2.21	1.91	7,388	6,865	6,510
NV.....	520	515	510	2.65	2.68	2.62	1,376	1,380	1,336
NH.....	87	85	84	2.28	2.13	2.20	198	181	185
NJ.....	115	112	110	2.58	2.56	2.33	297	287	256
NM.....	310	305	275	4.25	4.40	4.28	1,319	1,341	1,177
NY.....	2,245	2,230	2,160	2.41	2.36	2.29	5,408	5,269	4,940
NC.....	410	435	450	1.40	1.67	1.77	573	726	797
ND.....	3,100	2,950	2,800	1.75	1.63	.72	5,425	4,795	2,010
OH.....	1,460	1,450	1,625	2.95	3.05	2.18	4,307	4,423	3,543
OK.....	1,980	2,210	2,310	2.17	2.00	1.70	4,295	4,413	3,931
OR.....	1,110	1,120	1,065	2.82	2.69	2.61	3,134	3,014	2,775
PA.....	2,000	2,030	2,040	2.56	2.56	2.31	5,124	5,198	4,716
RI.....	9	8	8	2.56	2.38	2.50	23	19	20
SC.....	205	225	240	1.60	2.00	2.10	328	450	504
SD.....	4,700	3,950	4,100	1.99	1.79	.95	9,330	7,090	3,910
TN.....	1,380	1,570	1,600	1.52	1.68	1.44	2,092	2,644	2,310
TX.....	3,260	3,240	3,200	2.29	2.45	1.67	7,460	7,930	5,350
UT.....	625	625	620	3.42	3.59	3.45	2,135	2,243	2,138
VT.....	440	410	405	2.13	2.08	1.90	938	851	771
VA.....	1,110	1,324	1,200	1.32	1.62	1.85	1,464	2,147	2,220
WA.....	830	760	800	3.46	3.55	3.54	2,874	2,698	2,833
WV.....	570	630	620	1.41	1.58	1.41	801	994	876
WI.....	3,680	3,320	3,750	2.93	2.67	1.31	10,775	8,880	4,925
WY.....	1,300	1,200	1,140	1.88	1.85	1.74	2,445	2,219	1,982
US.....	62,419	60,748	65,559	2.49	2.46	1.93	155,529	149,302	126,817

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 368.—Hay: Area and production, by kinds, United States, 1974–88

Year	Area harvested			Production		
	Alfalfa	All other hay	All hay	Alfalfa	All other hay	All hay
	1,000 acres	1,000 acres	1,000 acres	1,000 tons	1,000 tons	1,000 tons
1974.....	26,877	33,318	60,195	74,368	52,016	126,384
1975.....	27,288	34,065	61,353	76,183	54,214	132,397
1976.....	26,674	33,703	60,377	69,960	50,165	120,125
1977.....	27,150	33,838	60,988	80,814	51,397	132,211
1978.....	27,864	34,249	62,113	87,294	56,523	143,817
1979.....	27,550	33,729	61,279	88,110	59,197	147,307
1980.....	26,174	32,696	58,870	79,963	50,777	130,740
1981.....	26,243	33,356	59,599	83,696	58,824	142,520
1982.....	26,188	33,624	59,812	86,385	60,856	147,241
1983.....	25,710	34,007	59,717	82,212	58,552	140,764
1984.....	26,799	34,646	61,445	90,105	60,543	150,648
1985.....	25,608	34,815	60,423	85,048	63,553	148,601
1986.....	26,793	35,626	62,419	91,552	63,977	155,529
1987.....	25,535	35,213	60,748	84,794	64,508	149,302
1988 <sup>1</sup> .....	26,695	38,864	65,559	69,282	57,535	126,817

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 369.—Pasture and range: Condition,<sup>1</sup> first of month, United States, 1974–88

Year	April <sup>2</sup>	May	June	July	August	Septem-ber	October	Novem-ber	Decem-ber <sup>2</sup>
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1974.....	$\left. \begin{array}{l} 3\ 79 \\ 4\ 79 \\ 3\ 77 \\ 4\ 75 \\ 4\ 73 \\ 4\ 74 \end{array} \right\}$	81	84	82	66	71	75	70	* 71
1975.....	$\left. \begin{array}{l} 3\ 77 \\ 4\ 75 \\ 4\ 73 \\ 4\ 74 \end{array} \right\}$	76	86	88	80	76	80	77	* 74
1976.....	$\left. \begin{array}{l} 3\ 73 \\ 4\ 73 \\ 4\ 74 \\ 3\ 68 \\ 4\ 66 \\ 3\ 68 \\ 4\ 71 \end{array} \right\}$	79	77	75	70	61	63	66	* 64
1977.....	$\left. \begin{array}{l} 3\ 68 \\ 4\ 66 \\ 3\ 68 \\ 4\ 71 \\ 3\ 75 \\ 4\ 77 \end{array} \right\}$	76	74	68	64	71	76	75	* 72
1978.....	$\left. \begin{array}{l} 3\ 68 \\ 4\ 71 \\ 3\ 75 \\ 4\ 77 \end{array} \right\}$	75	85	85	77	75	77	73	* 70
1979.....	$\left. \begin{array}{l} 3\ 75 \\ 4\ 77 \\ 3\ 76 \\ 4\ 77 \end{array} \right\}$	84	87	86	84	86	81	77	* 75
1980.....	$\left. \begin{array}{l} 3\ 76 \\ 4\ 77 \\ 3\ 70 \\ 4\ 67 \\ 3\ 81 \\ 4\ 81 \end{array} \right\}$	80	81	78	60	61	63	65	* 63
1981.....	$\left. \begin{array}{l} 3\ 70 \\ 4\ 67 \\ 3\ 81 \\ 4\ 81 \end{array} \right\}$	79	80	84	82	82	80	80	* 78
1982.....	$\left. \begin{array}{l} 3\ 81 \\ 4\ 81 \end{array} \right\}$	79	87	90	86	82	81	80	.....
1983.....	84	80	85	88	76	63	66	73	.....
1984.....	74	75	79	80	75	70	66	74	.....
1985.....	79	83	81	77	70	75	76	79	.....
1986.....		76	80	83	76	79	83	85	.....
1987.....		81	84	82	78	76	79	71	.....
1988.....		73	68	46	51	54	60	59	.....

See footnotes on page 253.

Table 370.—Seeding rates: Quantity of seed

State	Corn <sup>1</sup>	Winter wheat	Durum wheat	Other spring wheat	Oats	Barley	Rye
	<i>Kernels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>
AL.....	19,100	1.8			2.9		
AZ.....	29,000	2.3	2.3			2.8	
AR.....	27,300	1.9			2.9		
CA.....	30,000	2.1	2.3		3.0	2.0	
CO.....	29,000	.65		1.6	2.0	1.5	0.65
CT.....	26,000						
DE.....	21,200	1.9				2.2	2.0
FL.....	19,100	1.6					
GA.....	21,900	2.0			3.1		2.2
ID.....	29,500	1.3		1.6	2.6	1.9	
IL.....	24,100	1.7			2.5		1.5
IN.....	23,800	1.8			2.3		1.3
IA.....	23,900	1.6			2.9		1.2
KS.....	23,600	1.0			2.1	1.3	1.2
KY.....	22,000	1.8			2.1	2.0	1.7
LA.....	26,300	1.6					
ME.....	26,000				2.9		
MD.....	23,200	1.9			2.6	2.3	2.0
MA.....	26,000						
MI.....	23,200	2.3			2.6	2.1	1.7
MN.....	25,000	1.5	1.7	1.7	2.9	1.8	1.8
MS.....	19,800	1.7					
MO.....	20,900	1.7			2.3		1.6
MT.....	29,000	.95	1.1	1.0	1.8	1.2	
NE.....	22,800	1.1			2.5	1.5	1.2
NV.....		1.6		1.9		2.3	
NH.....	26,000						
NJ.....	23,500	2.0			2.6	2.4	2.0
NM.....	28,900	.70				1.8	
NY.....	25,200	2.3			2.8		2.0
NC.....	22,600	1.8			2.7	2.1	1.5
ND.....	20,800	1.1	1.6	1.4	2.0	1.6	1.2
OH.....	25,500	2.1			2.6		1.9
OK.....	23,500	1.2			2.3	1.3	1.4
OR.....	30,000	1.3		1.6	2.9	1.7	1.1
PA.....	22,700	2.2			2.8	2.3	2.1
RI.....	26,000						
SC.....	21,100	1.8			2.9	2.1	1.9
SD.....	17,800	1.1	1.6	1.4	2.6	1.7	1.2
TN.....	21,500	2.1					
TX.....	24,000	1.1			2.5	1.0	.90
UT.....	30,000	1.2		1.5	3.0	2.2	
VT.....	26,000						
VA.....	23,000	1.9			2.4	2.2	1.7
WA.....	31,000	1.1		1.4	2.7	1.6	
WV.....	23,400	1.9			2.5		
WI.....	23,600	1.8		1.8	2.9	2.0	1.6
WY.....	29,700	.80		1.2	2.2	2.0	
US.....	23,500	1.27	1.58	1.40	2.62	1.64	1.65

<sup>1</sup> Approximately 1,650 kernels per pound.<sup>2</sup> Shelled basis (multiply by 1.33 to obtain unshelled basis).<sup>3</sup> Fuzzy, non-delinted equivalent basis.

National Agricultural Statistics Service. United States average is rate of seeding weighted by final 1988 area planted, by States except for winter wheat and rye which are weighted by preliminary 1989 area planted in 1988.



## SEEDING RATES

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used per acre for specified crops, by States

Flaxseed	Sorghum	Soybeans	Dry Beans	Sun-flowers	Rice	Potatoes (Irish)	Sweet-potatoes	Peanuts <sup>2</sup>	Cotton <sup>3</sup>
<i>Pounds</i>	<i>Pounds</i>	<i>Bushels</i>	<i>Pounds</i>	<i>Seeds</i>	<i>Pounds</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Pounds</i>	<i>Pounds</i>
	8.4	0.80				15.1	4.0	98	23
	10.0					20.0			18
	6.8	.80			121.8				19
	16.0		63		155.0	20.9	5.0		23
	4.0		44			23.5			
						18.0			
		1.00				15.0			
		.85				25.8		98	22
	10.7	.80					7.7	105	24
			92			20.0			
	7.5	1.00				19.0			
		.97				19.0			
		.93				14.0			
	4.3	.90	54						20
	7.0	.90							
	8.4	.95			130.0	8.0	10.0		18
						23.0			
		1.00				14.0	6.6		
						20.0			
		1.00	48			20.0			
45.0		1.00	60	23,200		18.0			
	7.0	.80			105.0		12.0		20
	6.9	.95			115.0				21
			60			19.0			
	6.0	.95	54			24.6			
						20.0			
		1.30				18.0	8.0		
	4.4					20.0		92	32
			83			23.0			
	13.0	.95				12.9	13.0	105	18
45.0		1.20	52	20,700		15.5			
		1.20				20.0			
	5.0	.80						83	25
						23.2			
		1.40				19.5			
						20.4			
	9.1	.70					12.0	86	14
50.0	6.0	.93		19,000		15.0			
	7.0	.80				11.0	13.0		21
	6.7	.90		16,000	105.0	12.7	13.0	74	31
			15			23.0			
		1.10				13.5	13.7	105	18
			83			23.0			
		1.30				17.0			
			70			21.0			
45.7	5.72	.96	57	20,498	124.19	19.9	10.6	97	26

Table 371.—Pasture and range: Condition,<sup>1</sup> June 1 and Sept. 1, by States, average 1977-86, annual 1987 and 1988

State	Condition June 1			Condition Sept. 1			State	Condition June 1			Condition Sept. 1		
	Average 1977-86	1987	1988	Average 1977-86	1987	1988		Average 1977-86	1987	1988	Average 1977-86	1987	1988
	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent		Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
AL.....	76	78	58	74	68	63	NV.....	86	79	61	82	69	58
AZ.....	78	87	84	78	81	98	NH.....	91	92	92	85	84	95
AR.....	89	72	61	68	64	51	NJ.....	87	95	99	76	75	66
CA.....	86	72	69	82	69	64	NM.....	75	95	74	80	89	99
CO.....	81	97	80	79	77	68	NY.....	88	84	89	77	80	60
CT.....	89	93	89	81	58	70	NC.....	82	89	85	74	52	65
DE.....	83	96	92	72	37	63	ND.....	72	86	38	68	85	22
FL.....	65	77	60	84	80	89	OH.....	86	89	77	80	66	64
GA.....	71	70	66	68	60	59	OK.....	87	79	73	70	83	52
ID.....	88	76	64	83	67	35	OR.....	88	75	77	81	70	64
IL.....	88	78	72	76	75	43	PA.....	87	93	91	77	56	56
IN.....	89	85	66	80	71	52	RI.....	91	96	90	88	50	90
IA.....	87	86	56	77	90	27	SC.....	70	73	67	67	60	54
KS.....	88	93	76	75	88	58	SD.....	74	88	61	75	80	39
KY.....	88	86	76	79	65	71	TN.....	88	79	76	77	69	56
LA.....	78	81	72	77	83	79	TX.....	72	86	56	59	74	50
ME.....	92	85	96	82	67	85	UT.....	85	85	84	82	84	57
MD.....	84	95	96	73	48	57	VT.....	90	84	94	81	83	80
MA.....	92	96	91	84	74	80	VA.....	86	95	94	79	37	72
MI.....	85	81	68	79	76	62	WA.....	83	74	78	78	72	69
MN.....	82	87	64	80	78	37	WV.....	83	90	89	80	36	49
MS.....	82	90	52	76	77	60	WI.....	86	85	58	83	80	39
MO.....	87	78	59	69	80	53	WY.....	86	95	80	82	86	42
MT.....	76	83	58	71	85	29							
NE.....	87	93	80	80	84	64	US.....	82	84	68	75	76	54

<sup>1</sup> Numerical equivalent of condition: 80 and over, good to excellent; 65-79, poor to fair; 50-64, very poor; 35-49, severe drought; and under 35, extreme drought.

National Agricultural Statistics Service.

Table 372.—Field seeds: Average retail price paid by farmers for seed, Apr. 15, United States, 1980-89

Kind of seed	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
	Price per 100 pounds									
	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>
Alfalfa, uncertified varieties.....	174.00	172.00	153.00	163.00	156.00	149.00	170.00	173.00	181.00	180.00
Alfalfa, certified varieties.....	213.00	218.00	202.00	208.00	219.00	219.00	219.00	222.00	245.00	249.00
Red clover.....	110.00	117.00	126.00	160.00	145.00	121.00	133.00	160.00	143.00	143.00
Ladino clover.....	250.00	317.00	326.00	346.00	364.00	355.00	339.00	323.00	300.00	294.00
Lepedeza, Korean.....	52.00	82.00	75.10	72.10	85.70	115.00	85.00	68.00	67.50	67.30
Lepedeza, Striate, Kobe.....	71.00	104.00	96.00	103.00	137.00	109.00	78.50	82.00	83.50	82.60
Lepedeza, Sericea.....	106.00	128.00	115.00	91.10	198.00	210.00	193.00	233.00	275.00	167.00
Timothy.....	80.00	98.20	62.00	69.20	69.30	58.80	78.10	107.00	132.00	132.00
Orchardgrass.....	95.00	98.00	101.00	96.10	94.70	80.90	86.90	115.00	116.00	117.00
Blue Grass, Kentucky: Public and common.....	160.00	129.00	107.00	89.00	91.00	103.00	211.00	246.00	244.00	225.00
Proprietary, including Merion.....	205.00	177.00	184.00	150.00	143.00	147.00	230.00	273.00	283.00	275.00
Ryegrass, annual.....	35.50	37.80	37.20	39.20	39.00	37.30	36.10	45.10	47.90	54.30
Tall fescue.....	49.50	65.40	59.50	73.80	72.90	53.10	66.70	107.00	71.80	111.00
Sudangrass.....	33.50	40.70	45.10	45.00	42.40	43.50	44.70	44.20	42.00	45.30
Potatoes.....	4.90	11.00	8.10	6.90	8.76	8.06	6.62	7.95	7.12	10.60
Peanuts.....	64.00	80.00	58.00	60.50	71.60	61.30	66.70	84.10	74.20	74.30
Sunflower.....	165.00	181.00	200.00	211.00	254.00	257.00	258.00	281.00	266.00	277.00
Cottonseed.....	35.20	40.60	41.60	42.80	48.00	48.20	46.60	48.10	47.70	50.10
Grain sorghums, hybrid.....	45.00	49.40	61.50	65.30	64.20	66.10	67.40	63.60	65.70	69.50
Forage sorghums.....	27.00	32.30								
	Price per bushel									
	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>
Corn, hybrid <sup>1</sup> .....	52.50	60.00	63.70	64.60	70.20	71.80	<sup>1</sup> 65.60	64.90	64.20	71.40
Wheat (spring).....	6.60	7.22	6.89	6.69	6.37	6.10	5.94	5.56	5.89	6.71
Wheat (winter) <sup>2</sup> .....									6.57	7.55
Oats (spring).....	3.95	4.42	4.51	4.37	4.52	4.18	3.63	3.99	4.37	5.89
Barley (spring).....	4.90	5.95	5.60	5.22	5.31	5.10	4.82	4.47	4.58	5.91
Soybeans for seed.....	10.40	14.00	10.70	10.10	13.40	11.90	10.80	11.30	11.90	14.70
Flaxseed.....	9.80	12.90	11.20	9.24	9.82	9.80	8.37	6.11	6.61	11.40

<sup>1</sup> Price per 80,000 kernels.   <sup>2</sup> Surveyed in Sept., prior to 1986.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 369

<sup>1</sup> Numerical equivalent of condition: 80 and over, good to excellent; 65-79, poor to fair; 50-64, very poor; 35-49, severe drought; and under 35, extreme drought.<sup>2</sup> Excludes Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin.<sup>3</sup> 30 States (April only). April only discontinued after 1985.<sup>4</sup> 37 States (April and December only).

National Agricultural Statistics Service.

**Table 373.—Beans, dry edible: Area, yield, production, disposition, and value, United States, 1974-88<sup>1 2</sup>**

Year	Area planted	Area harvested	Yield per harvested acre <sup>3</sup>	Production <sup>3</sup>	Used on farms where produced	Sold	Market- ing year average price per 100 pounds received by farmers	Value of produc- tion
	1,000 acres	1,000 acres	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	1,000 dollars
1974.....	1,587.4	1,517.8	1,339	20,330	163	20,167	19.80	402,367
1975.....	1,514.2	1,466.1	1,190	17,442	152	17,290	20.10	350,988
1976.....	1,531.8	1,489.3	1,198	17,836	149	17,687	15.50	276,876
1977.....	1,402.7	1,269.9	1,304	16,555	136	16,419	20.20	333,821
1978.....	1,503.9	1,454.4	1,302	18,935	134	18,801	17.30	327,512
1979.....	1,427.0	1,387.7	1,481	20,552	(*)	(*)	22.80	468,098
1980.....	1,920.0	1,859.0	1,438	26,729	(*)	(*)	27.60	737,447
1981.....	2,390.0	2,270.0	1,443	32,751	(*)	(*)	21.00	688,471
1982.....	1,924.5	1,777.0	1,439	25,563	(*)	(*)	14.20	363,809
1983.....	1,180.0	1,138.7	1,368	15,520	(*)	(*)	22.40	347,867
1984.....	1,501.0	1,460.3	1,443	21,070	(*)	(*)	18.70	394,969
1985.....	1,569.9	1,481.4	1,497	22,175	(*)	(*)	17.60	389,376
1986.....	1,673.8	1,495.0	1,531	22,886	(*)	(*)	19.10	436,254
1987.....	1,800.6	1,688.4	1,535	25,909	(*)	(*)	16.50	426,403
1988 <sup>4</sup> .....	1,498.4	1,366.0	1,408	19,230	(*)	(*)	30.30	528,221

<sup>1</sup> Figures include principal producing States only.<sup>2</sup> Excludes beans grown for garden seed.<sup>3</sup> Cleaned basis.<sup>4</sup> Estimates discontinued.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 374.—Beans, dry edible (cleaned basis): Production, by classes, United States, 1986-88<sup>1</sup>**

Class	1986	1987	1988 <sup>2</sup>	Class	1986	1987	1988 <sup>2</sup>
	1,000 cwt.	1,000 cwt.	1,000 cwt.		1,000 cwt.	1,000 cwt.	1,000 cwt.
Peas (navy).....	3,515	7,210	3,469	Black turtle soup.....	717	221	85
Great northern.....	2,724	2,480	2,900	Large lima.....	385	435	571
Small white.....	220	639	512	Baby lima.....	637	485	658
Pinto.....	10,038	9,465	7,235	Blackeye, California.....	727	1,110	858
Red kidney.....	1,381	1,845	1,150	Garbanzo.....	48	92	57
Pink.....	1,248	824	606	Other.....	477	504	447
Small red.....	549	394	562	Total.....	22,886	25,909	19,230
Cranberry.....	220	205	120				

<sup>1</sup> Excludes beans grown for garden seed.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 375.—Beans, dry edible: Area, yield, and production, by States, 1986-88 <sup>1</sup>

State	Area planted			Area harvested			Yield per harvested acre (cleaned basis)			Production (cleaned basis)		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.
CA .....	157.0	172.0	154.0	155.0	168.0	150.0	1,846	1,868	1,929	2,862	3,138	2,894
CO .....	191.0	185.0	160.0	185.0	180.0	155.0	1,460	1,450	1,650	2,701	2,610	2,558
ID .....	140.0	152.0	120.0	139.0	148.0	119.0	1,960	1,900	1,890	2,724	2,812	2,249
KS .....	24.0	26.0	21.0	23.0	25.0	20.0	1,650	1,450	1,550	380	363	310
MI .....	480.0	470.0	260.0	340.0	420.0	185.0	800	1,220	1,200	2,720	5,124	2,220
MN .....	65.0	75.0	65.0	61.0	74.0	60.0	1,650	1,600	800	1,007	1,184	480
MT .....	4.8	5.8	4.4	4.5	5.7	4.0	2,160	2,190	1,900	97	125	76
NE .....	215.0	230.0	200.0	205.0	197.0	193.0	2,100	1,780	1,950	4,305	3,507	3,764
NM <sup>3</sup> .....		11.0	9.5		11.0	9.5		1,930	2,200		212	209
NY .....	33.0	29.0	27.0	31.0	28.0	25.0	1,400	1,500	1,300	434	420	325
ND .....	290.0	370.0	400.0	280.0	359.0	370.0	1,550	1,400	730	4,340	5,026	2,701
UT .....	9.0	6.8	4.5	8.5	6.7	4.5	480	700	580	41	47	26
WA .....	32.0	36.0	37.0	31.0	35.0	36.0	2,160	2,130	2,060	670	746	742
WY .....	33.0	32.0	36.0	32.0	31.0	35.0	1,890	1,920	1,930	605	595	676
US .....	1,673.8	1,800.6	1,498.4	1,495.0	1,688.4	1,366.0	1,531	1,535	1,408	22,886	25,909	19,230

<sup>1</sup> Excludes beans grown for garden seed.

<sup>2</sup> Preliminary.

<sup>3</sup> Estimates begin with 1987 crop.

National Agricultural Statistics Service.

Table 376.—Beans, dry edible (cleaned basis): Marketing year average price and value of production, by States, crop of 1986, 1987, and 1988 <sup>1</sup>

State	Marketing year average price per cwt.			Value of production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
CA .....	28.50	27.50	36.10	81,567	86,295	104,473
CO .....	15.20	14.60	31.30	41,055	38,106	80,065
ID .....	15.90	15.60	28.70	43,312	43,867	64,546
KS .....	14.90	15.40	30.40	5,662	5,590	9,424
MI .....	23.60	14.80	32.50	64,192	75,835	72,150
MN .....	22.10	15.90	32.30	22,255	18,826	15,504
MT .....	15.00	12.00	28.00	1,455	1,500	2,128
NE .....	16.30	17.10	27.20	70,172	59,970	102,381
NM <sup>3</sup> .....		18.80	34.00		3,986	7,106
NY .....	19.50	15.10	28.70	8,463	6,342	9,328
ND .....	17.60	12.90	26.80	76,384	64,835	72,387
UT .....	15.00	15.30	31.60	615	719	822
WA .....	17.80	15.40	28.60	11,926	11,488	21,221
WY .....	15.20	15.20	30.60	9,196	9,044	20,686
US .....	19.10	16.50	30.30	436,254	426,403	582,221

<sup>1</sup> Excludes beans grown for garden seed.

<sup>2</sup> Preliminary.

<sup>3</sup> Estimates begin with 1987 crop.

National Agricultural Statistics Service.

**Table 377.—Beans, dry edible: Season average wholesale price per 100 pounds, selected markets, 1974-87**

Year beginning September	F.o.b. California points				F.o.b. Northern Colorado points: Pinto	F.o.b. Western Nebraska points: Great northern	F.o.b. Southern Idaho points: Small reds	F.o.b. Michigan points: Pea bean (Navy)
	Baby lima	Large lima	Blackeye	Light red kidney				
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1974.....	16.00	24.55	14.70	27.95	32.75	20.95	27.65	16.08
1975.....	17.71	32.68	21.77	23.81	17.85	21.15	19.95	28.11
1976.....	20.82	40.69	31.78	21.35	14.75	18.20	16.10	18.65
1977.....	20.41	31.45	23.00	37.92	23.25	23.80	22.55	22.10
1978.....	22.27	37.05	25.95	22.90	21.65	23.56	25.14	18.89
1979.....	21.13	43.58	24.22	31.22	31.76	27.25	33.06	22.74
1980.....	39.25	40.68	31.52	34.46	35.51	35.13	35.87	33.47
1981.....	26.78	36.92	31.17	21.39	17.82	26.62	21.04	31.88
1982.....	28.61	32.65	23.19	22.05	15.06	20.15	18.78	17.20
1983.....	26.60	51.07	30.33	38.47	21.84	23.47	22.28	26.49
1984.....	23.44	43.40	24.47	30.31	20.72	19.36	23.66	22.77
1985.....	20.38	23.40	22.84	26.80	22.09	27.02	23.24	18.56
1986.....	21.91	25.85	34.84	33.22	19.22	24.53	19.61	43.22
1987.....	38.75	41.16	25.46	26.18	20.22	23.07	22.68	20.93

<sup>1</sup> Data not collected prior to 1974.

Economic Research Service. Compiled from the Bean Market Summary (formerly Bean Market Review), Agricultural Marketing Service, U.S. Department of Agriculture, Denver, Colorado.

**Table 378.—Beans, dry edible: United States exports to specified countries, 1985/86-1988/89<sup>1 2</sup>**

Continent and country	1985/ 86	1986/ 87	1987/ 88	1988/ 89	Continent and country	1985/ 86	1986/ 87	1987/ 88	1988/ 89
	Metric tons	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons	Metric tons
North America:					Europe—Continued				
Canada.....	9,605	5,998	8,469	8,757	Italy.....	14,845	7,064	7,676	5,124
Dominican Republic.....	7,129	11,309	10,553	9,610	Netherlands.....	12,138	5,846	8,572	25,478
French West Indies.....	1,076	1,195	802	428	Spain.....	2,040	2,021	3,339	6,221
Mexico.....	35,704	132,087	6,175	46,197	United Kingdom.....	55,217	89,420	61,774	76,175
Panama.....	5,680	1,439	2,714	1,402	Total.....	110,683	128,995	120,435	142,223
Trinidad and Tobago.....	1,784	1,979	1,395	1,207	Asia:				
Total.....	60,978	154,007	30,108	67,601	Israel.....	289	440	471	179
South America:					Japan.....	29,733	22,604	27,019	30,349
Brazil.....	1,486	44	0	6,246	Philippines.....	730	1,287	1,504	2,513
Colombia.....	10	32	3,130	411	Total.....	30,752	24,331	28,993	33,041
Venezuela.....	6,028	4,885	8,733	5,157	Oceania:				
Total.....	7,524	4,961	11,863	11,814	Australia.....	2,452	3,027	3,745	3,677
Europe:					Other countries.....	77,868	95,963	151,441	81,958
Belgium and Luxembourg.....	8,210	3,428	5,068	5,489	Grand total.....	290,257	411,284	346,585	340,314
France.....	13,928	16,965	27,707	16,136					
Germany, Fed. Rep. of.....	4,805	4,251	6,299	7,600					

<sup>1</sup> Marketing year beginning previous September.<sup>2</sup> Excluding seed bean exports.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 379.—Beans, dry edible: United States exports by class and quantity, 1974-89

Year <sup>1</sup>	Navy or pea	Great northern	Other white	Pinto	Red kidney	Other <sup>2</sup>	Seed	Total
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974	56,112	19,776	5,743	30,996	3,662	43,933	5,600	165,822
1975	66,181	43,731	2,564	83,918	9,659	73,878	6,270	286,201
1976	42,737	12,480	1,437	22,217	6,518	39,154	6,782	131,325
1977	32,822	41,178	1,707	29,893	11,424	66,627	6,282	189,933
1978	31,348	39,699	3,585	32,187	10,189	65,933	6,267	239,208
1979	65,225	48,385	4,651	43,746	17,365	69,229	5,715	254,316
1980	73,276	50,380	5,002	92,249	38,190	73,792	9,261	342,150
1981	101,095	64,210	6,229	316,616	25,907	155,079	13,505	682,641
1982	80,279	70,195	5,398	383,635	21,684	207,237	10,876	779,304
1983	89,145	68,841	4,491	14,301	20,537	86,757	n.a.	284,071
1984	63,028	38,491	4,741	24,976	21,147	83,361	n.a.	235,744
1985	62,756	55,024	3,368	65,105	13,267	71,742	n.a.	271,262
1986	80,775	41,428	4,261	66,137	15,241	82,415	n.a.	290,257
1987	90,014	57,255	3,492	155,137	19,328	86,058	n.a.	411,284
1988	81,123	68,832	3,209	82,970	28,284	82,167	n.a.	346,585
1989	72,298	77,392	3,827	70,482	21,615	94,700	n.a.	340,314

<sup>1</sup> Marketing year beginning previous September.

<sup>2</sup> Includes other colored, black turtle, blackeye, and limas.

n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 380.—Peas, dry field: United States exports to specified countries, 1985/86-1988/89 <sup>1 2</sup>

Continent and country	1985/86	1986/87	1987/88	1988/89	Continent and country	1985/86	1986/87	1987/88	1988/89
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:					Europe—Continued				
Canada	492	624	536	864	Iceland	289	222	220	155
Mexico	96	987	766	1,163	Italy	885	655	668	672
Panama	249	693	209	184	Netherlands	158	579	3,583	3,545
Trinidad and Tobago	797	269	251	328	Norway	391	512	336	155
Total	1,634	2,273	1,762	2,539	Sweden	0	0	79	37
South America:					Switzerland	35	14	177	0
Brazil	5,758	7,089	1,161	0	United Kingdom	2,249	2,764	5,858	4,843
Colombia	12,842	15,730	11,679	11,236	Total	4,444	5,277	11,172	9,730
Peru	7,750	5,695	7,184	5,429	Asia:				
Surinam	0	0	18	176	Hong Kong	384	407	297	247
Venezuela	11,753	8,133	13,084	5,717	Israel	178	343	410	351
Total	38,103	36,647	33,126	22,558	Japan	5,802	6,609	6,847	4,499
Europe:					Philippines	1,418	2,222	2,700	10,128
Belgium and Luxembourg					Total	7,782	9,581	10,254	15,225
Denmark	461	53	93	54	Other countries	47,390	33,879	58,602	60,140
Germany, Fed. Rep. of	0	4	0	0	Grand total	99,353	87,657	114,916	110,192
	26	474	158	269					

<sup>1</sup> Marketing year beginning previous September.

<sup>2</sup> Excluding seed pea exports.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 381.—Hops: Marketing year average price and value of production, by States, crop of 1986, 1987, and 1988**

State	Marketing year average price per pound			Value of production		
	1986	1987	1988 <sup>1</sup>	1986	1987 <sup>1</sup>	1988 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CA <sup>2</sup> .....						
ID.....	2.59	2.74	1.09	13,209	10,549	4,273
OR.....	2.08	1.78	1.64	17,609	15,664	18,081
WA.....	1.59	1.32	1.36	56,439	49,365	54,061
Total.....	1.78	1.51	1.40	87,257	75,578	76,415

<sup>1</sup> Preliminary.<sup>2</sup> Data combined with Washington to avoid disclosure of individual operations.  
National Agricultural Statistics Service.**Table 382.—Hops: Area, yield, and production, by States, 1986-88**

State	Area harvested			Yield per acre			Production <sup>1</sup>		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
CA.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
ID.....	2.5	2.2	2.8	2,040	1,750	1,400	5,100	3,850	3,920
OR.....	5.1	6.0	7.5	1,660	1,470	1,470	8,466	8,800	11,025
WA.....	17.4	20.1	23.1	2,040	1,860	1,720	35,496	37,398	39,751
US.....	25.0	28.3	33.4	1,962	1,768	1,638	49,062	50,048	54,696

<sup>1</sup> Preliminary.<sup>2</sup> Data combined with Washington to avoid disclosure of individual operations.  
National Agricultural Statistics Service.



**Table 383.—Hops: Area, yield, production, farm disposition, value, and Sept. 1 stocks, United States, 1974-88**

Year	Area harvested	Yield per acre	Production <sup>1</sup>	Sales	Marketing year average price per pound received by farmers	Value of production	Stocks Sept. 1
	1,000 acres	Pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars	1,000 pounds
1974.....	32.4	1,759	56,979	56,928	79.8	45,486	33,720
1975.....	32.1	1,742	55,913	55,737	83.0	46,419	42,170
1976.....	30.9	1,870	57,774	57,774	84.8	48,982	50,400
1977.....	30.5	1,796	54,777	54,777	89.6	49,095	50,480
1978.....	30.9	1,782	55,071	54,856	90.1	49,599	47,540
1979.....	31.8	1,727	54,929	54,929	97.6	53,614	38,250
1980.....	37.1	2,037	75,560	( <sup>2</sup> )	151.0	114,194	32,800
1981.....	43.1	1,836	79,144	( <sup>2</sup> )	151.0	119,220	34,430
1982.....	39.6	1,984	78,558	( <sup>2</sup> )	174.0	136,884	47,030
1983.....	36.9	1,846	68,111	( <sup>2</sup> )	193.0	131,483	61,080
1984.....	30.8	1,824	56,167	( <sup>2</sup> )	210.0	117,701	68,096
1985.....	28.1	1,769	49,713	( <sup>2</sup> )	203.0	101,046	70,460
1986.....	25.0	1,962	49,062	( <sup>2</sup> )	178.0	87,257	70,950
1987.....	28.3	1,768	50,048	( <sup>2</sup> )	151.0	75,578	70,630
1988.....	33.4	1,638	54,696	( <sup>2</sup> )	140.0	76,615	60,000

<sup>1</sup> Includes the following quantities not marketed because of economic conditions, fire losses, and/or provisions under terms of a marketing agreement (1,000 pounds): 51 in 1974; 176 in 1975; 215 in 1978; 888 in 1980; 90 in 1981; 5 in 1982; 1,020 in 1983; 10 in 1984; and 40 in 1985.

<sup>2</sup> Series discontinued.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 384.—Hops: United States exports by country of destination and imports by country of origin, 1985/86-1987/88**

Item and country	Year beginning September			Item and country	Year beginning September		
	1985/86	1986/87	1987/88		1985/86	1986/87	1987/88
<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Other countries:			
Belgium/Luxembourg.....	20	60	49	Canada.....	715	721	1,082
Germany, Fed. Rep. of.....	271	115	624	Japan.....	310	484	290
Ireland.....	0	127	119	Nigeria.....	111	111	121
United Kingdom.....	45	158	190	South Africa.....	72	89	25
Other countries.....	124	144	217	Other countries.....	237	278	514
Total.....	460	604	1,199	Total.....	1,445	1,683	2,032
Latin America:				Grand total.....	5,613	6,264	8,099
Argentina.....	177	186	92	<b>IMPORTS</b>			
Brazil.....	1,528	1,776	2,891	Australia.....	73	0	3
Chile.....	37	43	89	Belgium/Luxembourg.....	11	11	0
Colombia.....	753	612	429	Canada.....	34	52	44
Guatemala.....	50	7	50	Czechoslovakia.....	1,243	2,430	531
Mexico.....	693	879	815	France.....	145	128	182
Peru.....	74	96	94	Germany, Fed. Rep. of.....	6,355	3,546	4,070
Uruguay.....	10	17	19	Poland.....	200	434	145
Venezuela.....	163	106	39	United Kingdom.....	2	2	4
Other countries.....	223	255	350	Yugoslavia.....	114	0	40
Total.....	3,708	3,977	4,868	Other countries.....	3	51	47
				Total.....	8,180	6,654	5,066

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

## CHAPTER VII

# STATISTICS OF CATTLE, HOGS, AND SHEEP

This chapter contains information about most kinds of farm livestock and livestock products, with the exception of dairy and poultry. The information relates to inventories, production, disposition, prices, and income for farm animals, and to livestock slaughter (including horse slaughter), meat production, and market statistics for meat animals.

**Table 385.—All cattle and calves: Number and value, United States, Jan. 1, 1974-89**

Year	Total number	Value		Year	Total number	Value	
		Per head	Total			Per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	127,788	293.00	37,477,181	1982.....	115,444	415.00	47,905,367
1975.....	132,028	159.00	20,999,808	1983.....	115,001	406.00	46,708,350
1976.....	127,980	190.00	24,334,959	1984.....	113,700	396.00	44,975,575
1977.....	122,810	206.00	25,249,390	1985.....	109,749	402.00	44,138,618
1978.....	116,375	232.00	27,030,385	1986.....	105,468	391.00	41,279,749
1979.....	110,864	403.00	44,697,773	1987.....	102,000	407.00	41,482,765
1980.....	111,242	502.00	55,844,204	1988.....	99,524	523.00	52,045,643
1981.....	114,351	473.00	54,123,534	1989 <sup>1</sup> .....	99,484	607.00	60,394,509

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 386.—All cattle and calves: Number, by classes, United States, Jan. 1, 1974-89**

Year	All cattle and calves	Cows and heifers that have calved		500 pounds and over					Calves under 500 pounds
		Beef cows	Milk cows	Heifers			Steers	Bulls	
				Beef cow replacements	Milk cow replacements	Other			
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974.....	127,788	43,182	11,297	8,193	3,941	6,852	17,760	2,643	33,922
1975.....	132,028	45,712	11,220	8,884	4,087	6,518	16,333	2,985	36,291
1976.....	127,980	43,901	11,071	7,192	3,956	7,391	17,094	2,845	34,531
1977.....	122,810	41,443	10,998	6,527	3,887	8,048	16,884	2,664	32,360
1978.....	116,375	38,738	10,896	5,858	3,886	7,949	16,868	2,538	29,643
1979.....	110,864	37,062	10,790	5,527	3,932	7,445	16,442	2,403	27,263
1980.....	111,242	37,107	10,758	5,942	4,159	7,132	16,049	2,492	27,603
1981.....	114,351	38,773	10,849	6,137	4,342	7,280	15,521	2,547	28,903
1982.....	115,444	39,230	10,986	6,607	4,547	7,190	15,497	2,611	28,777
1983.....	115,001	37,940	11,047	6,336	4,545	7,965	16,214	2,609	28,346
1984.....	113,700	37,494	11,109	6,183	4,532	7,851	16,371	2,549	27,611
1985.....	109,749	35,370	10,805	5,542	4,760	8,056	16,369	2,411	26,436
1986.....	105,468	33,633	11,177	5,149	4,761	8,090	15,967	2,261	24,431
1987.....	102,000	33,779	10,502	5,164	4,331	7,561	15,304	2,204	23,154
1988.....	99,524	33,112	10,298	5,227	4,116	7,805	15,732	2,163	21,070
1989 <sup>1</sup> .....	99,484	33,669	10,217	5,505	4,199	7,627	15,798	2,221	20,248

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 387.—All cattle and calves: Number and value, by States, Jan. 1, 1987-89

State	Number			Value					
	1987	1988	1989 <sup>1</sup>	Value per head			Total value		
				1987	1988	1989 <sup>1</sup>	1987	1988	1989 <sup>1</sup>
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>
AL	1,850	1,750	1,800	295.00	405.00	480.00	545,750	708,750	864,000
AK	9.5	9.5	9.2	620.00	655.00	620.00	5,890	6,223	5,704
AZ	1,000	960	880	385.00	500.00	565.00	385,000	480,000	497,200
AR	1,840	1,850	1,750	325.00	430.00	495.00	598,000	795,500	866,250
CA	4,750	4,650	4,700	545.00	630.00	695.00	2,588,750	2,929,500	3,266,500
CO	2,600	2,700	2,750	430.00	565.00	710.00	1,118,000	1,525,500	1,952,500
CT	83	77	73	570.00	625.00	665.00	47,310	48,125	48,545
DE	31	29	29	560.00	630.00	660.00	17,360	18,270	19,140
FL	2,140	1,970	2,025	345.00	480.00	550.00	738,300	945,600	1,113,750
GA	1,650	1,520	1,500	320.00	445.00	510.00	528,000	676,400	765,000
HI	195	199	208	360.00	410.00	390.00	70,200	81,590	81,120
ID	1,550	1,570	1,620	415.00	570.00	600.00	643,250	894,900	972,000
IL	2,250	2,050	1,950	420.00	550.00	605.00	945,000	1,127,500	1,179,750
IN	1,470	1,360	1,290	390.00	505.00	585.00	573,300	686,800	754,650
IA	4,650	4,650	4,750	430.00	540.00	605.00	1,999,500	2,511,000	2,873,750
KS	5,920	5,860	5,900	370.00	475.00	645.00	2,190,400	2,783,500	3,805,500
KY	2,450	2,450	2,500	380.00	475.00	530.00	931,000	1,163,750	1,325,000
LA	1,160	1,125	1,075	345.00	455.00	505.00	400,200	511,875	542,875
ME	120	113	105	515.00	555.00	625.00	61,800	62,715	65,625
MD	330	320	328	575.00	660.00	680.00	189,750	211,200	223,400
MA	85	70	70	570.00	625.00	655.00	48,450	43,750	45,850
MI	1,325	1,225	1,225	500.00	610.00	625.00	662,500	747,250	765,625
MN	3,150	2,900	2,940	465.00	600.00	665.00	1,464,750	1,740,000	1,955,100
MS	1,373	1,350	1,390	305.00	425.00	485.00	418,765	573,750	674,150
MO	4,600	4,400	4,500	390.00	495.00	550.00	1,794,000	2,178,000	2,475,000
MT	2,400	2,350	2,350	405.00	595.00	650.00	972,000	1,398,250	1,527,500
NE	5,500	5,450	5,400	410.00	510.00	640.00	2,255,000	2,779,500	3,456,000
NV	550	500	490	375.00	505.00	545.00	206,250	252,500	267,050
NH	62	55	55	550.00	585.00	620.00	34,100	32,175	34,100
NJ	90	80	75	610.00	675.00	755.00	54,900	54,000	56,625
NM	1,360	1,320	1,350	355.00	480.00	605.00	482,800	683,600	816,750
NY	1,854	1,702	1,584	550.00	665.00	785.00	1,013,700	1,131,830	1,164,240
NC	950	825	850	365.00	455.00	495.00	346,750	375,375	420,750
ND	1,900	1,800	1,600	420.00	595.00	650.00	798,000	1,071,000	1,040,000
OH	1,800	1,820	1,760	450.00	550.00	620.00	810,000	1,001,000	1,091,200
OK	5,200	5,100	5,200	330.00	445.00	545.00	1,716,000	2,269,500	2,834,000
OR	1,400	1,360	1,390	420.00	540.00	590.00	588,000	734,400	820,100
PA	1,950	1,920	1,920	550.00	665.00	690.00	1,072,500	1,276,800	1,324,800
RI	7.0	7.0	6.0	570.00	605.00	645.00	3,990	4,235	3,870
SC	620	620	610	355.00	440.00	470.00	220,100	272,800	286,700
SD	3,600	3,500	3,480	405.00	555.00	630.00	1,458,000	1,942,500	2,192,400
TN	2,400	2,300	2,300	335.00	465.00	515.00	804,000	1,069,500	1,184,500
TX	13,400	13,600	13,700	340.00	470.00	605.00	4,556,000	6,392,000	8,288,500
UT	770	760	770	410.00	545.00	645.00	315,700	414,200	496,650
VA	325	297	297	610.00	640.00	700.00	198,250	190,080	207,900
VT	1,860	1,700	1,670	365.00	465.00	520.00	678,900	790,500	868,400
WA	1,300	1,290	1,300	485.00	610.00	665.00	630,500	786,900	864,500
WV	560	490	500	355.00	440.00	495.00	198,800	215,600	247,500
WI	4,260	4,230	4,130	605.00	655.00	705.00	2,577,300	2,770,650	2,911,650
WY	1,300	1,290	1,330	400.00	570.00	640.00	520,000	735,300	851,200
US	102,000	99,524	99,484	407.00	523.00	607.00	41,482,765	52,045,643	60,394,509

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1988 and 1989

State	Cows and heifers that have calved				Heifers, 500 pounds and over					
	Beef cows		Milk cows		Beef cow replacements		Milk cow replacements		Other	
	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	890	901	40	39	135	142	12	14	53	54
AK.....	2.5	2.5	2.3	1.9	.6	.6	.7	.6	1	1
AZ.....	260	263	90	92	51	49	19	20	14	12
AR.....	948	932	69	68	144	145	30	25	46	45
CA.....	915	925	1,005	1,025	155	145	475	485	160	190
CO.....	777	775	73	75	120	140	32	30	613	590
CT.....	5	5	37	35	1	1	14	14	1	1
DE.....	2	3	9	9	1	1	2	2	1	1
FL.....	1,086	1,148	179	182	155	130	30	40	20	10
GA.....	703	700	102	104	105	105	38	40	57	50
HI.....	73	77	12	12	15	14	5	4	19	18
ID.....	510	520	160	170	90	95	68	67	132	135
IL.....	525	520	210	200	55	85	95	80	355	310
IN.....	370	350	190	180	50	45	85	80	110	115
IA.....	1,201	1,265	299	310	160	170	128	120	595	615
KS.....	1,466	1,450	104	104	206	202	41	41	923	917
KY.....	1,017	1,060	218	215	149	151	77	80	98	104
LA.....	615	582	87	88	98	96	26	25	20	19
ME.....	8	9	47	43	3	3	19	19	1	3
MD.....	53	60	113	109	13	17	44	43	9	7
MA.....	10	10	33	30	2	3	8	9	1	1
MI.....	130	125	358	345	29	33	161	157	43	40
MN.....	390	390	810	810	63	68	342	370	230	210
MS.....	706	712	68	68	121	129	24	26	19	25
MO.....	1,931	2,004	224	226	265	285	95	90	180	210
MT.....	1,275	1,324	25	25	255	296	7	7	156	148
NE.....	1,680	1,697	100	103	200	205	30	30	960	960
NV.....	246	231	19	19	34	44	7	7	14	16
NH.....	5	6	23	21	1	2	10	10	1	0
NJ.....	11	11	31	30	3	2	12	12	2	2
NM.....	527	578	59	63	91	110	18	16	80	64
NY.....	112	102	844	811	26	25	291	296	61	32
NC.....	320	343	105	107	50	63	34	37	21	19
ND.....	874	832	96	88	143	130	26	21	144	97
OH.....	412	385	368	367	65	70	165	176	100	97
OK.....	1,867	1,893	108	107	255	300	35	35	480	455
OR.....	547	573	94	94	97	110	44	44	85	84
PA.....	206	216	724	719	39	39	292	290	48	51
RI.....	.8	.8	2.9	2.4	.3	.3	1.2	1.1	0	0
SC.....	288	286	39	41	50	49	16	15	19	18
SD.....	1,448	1,506	147	144	224	230	42	38	368	358
TN.....	986	1,038	204	202	165	150	75	80	45	45
TX.....	5,260	5,445	340	355	920	970	100	120	1,090	1,100
UT.....	318	315	73	74	51	56	35	39	42	44
VT.....	9	12	170	170	2	2	52	53	1	3
VA.....	690	663	145	142	95	100	85	80	60	60
WA.....	359	359	211	216	72	83	80	104	133	105
WV.....	248	245	31	26	35	35	10	10	27	25
WI.....	200	150	1,790	1,740	41	30	775	795	80	57
WY.....	630	670	10	10	126	149	3	1	88	105
US.....	33,112	33,669	10,298	10,217	5,227	5,505	4,116	4,199	7,805	7,627

See footnotes at end of table.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1988 and 1989—Continued

State	Steers, 500 pounds and over		Bulls, 500 pounds and over		Calves under 500 pounds	
	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	100	95	60	60	460	495
AK.....	4	5	1.1	1.1	1.8	1.9
AZ.....	299	262	27	26	200	156
AR.....	95	80	61	55	457	400
CA.....	850	855	70	70	1,020	1,005
CO.....	730	790	45	45	310	305
CT.....	2	2	1	1	16	14
DE.....	7	6	1	1	6	6
FL.....	30	20	70	72	400	423
GA.....	75	74	50	50	390	377
HI.....	22	21	5	5	48	57
ID.....	265	281	30	32	315	320
IL.....	360	350	40	35	410	370
IN.....	195	195	25	25	335	300
IA.....	1,098	1,150	80	80	1,089	1,040
KS.....	1,850	1,971	71	73	1,200	1,142
KY.....	220	200	70	73	600	617
LA.....	27	26	37	34	215	205
ME.....	5	4	2	2	28	22
MD.....	22	21	5	7	61	64
MA.....	3	4	1	1	12	12
MI.....	203	238	16	17	285	270
MN.....	409	435	36	42	620	615
MS.....	45	55	50	50	317	325
MO.....	460	440	100	110	1,145	1,135
MT.....	254	233	72	75	306	242
NE.....	1,440	1,390	80	85	960	930
NV.....	28	30	14	13	138	130
NH.....	2	2	1	1	12	13
NJ.....	4	5	2	2	15	11
NM.....	220	234	37	35	288	250
NY.....	43	33	19	17	306	268
NC.....	47	35	26	26	222	220
ND.....	216	157	46	45	255	230
OH.....	250	241	40	40	420	384
OK.....	1,030	1,110	100	105	1,225	1,195
OR.....	166	185	32	35	295	265
PA.....	197	194	30	31	384	380
RI.....	4	2	1	1	1.3	1.1
SC.....	38	36	23	22	147	143
SD.....	497	494	70	73	704	637
TN.....	140	125	60	60	625	600
TX.....	2,780	2,700	390	410	2,720	2,600
UT.....	90	94	18	21	133	127
VT.....	4	4	3	3	56	50
VA.....	200	180	40	40	385	405
WA.....	233	233	22	25	180	175
WV.....	38	52	14	17	87	90
WI.....	295	300	34	33	1,015	1,025
WY.....	147	155	36	40	250	200
US.....	15,732	15,798	2,163	2,221	21,070	20,248

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 389.—Cattle and buffalo: Number in specified countries, 1987-89<sup>1</sup>

Continent and country	1987	1988	1989 <sup>2</sup>	Continent and country	1987	1988	1989 <sup>2</sup>
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
North America:				Other Western			
Canada.....	10,802	10,863	11,004	Europe—Con.			
Mexico.....	33,603	35,378	34,999	Sweden.....	1,665	1,667	1,676
United States.....	102,000	99,524	99,484	Switzerland.....	1,858	1,808	1,850
Total.....	146,405	145,765	145,487	Total other Western			
South America:				Europe.....	7,645	7,495	7,446
Argentina.....	51,683	50,782	50,282	Bulgaria.....	1,705	1,673	1,640
Brazil.....	97,030	98,335	98,340	Czechoslovakia.....	5,073	5,044	5,075
Colombia.....	18,819	18,400	17,627	German Dem. Rep.....	5,804	5,721	5,710
Uruguay.....	9,778	10,306	10,502	Hungary.....	1,725	1,664	1,690
Venezuela.....	12,331	12,756	13,095	Poland.....	10,522	10,200	10,100
Total.....	189,641	190,579	189,846	Romania.....	7,225	7,182	7,170
Central America and				Yugoslavia.....	5,030	4,881	4,759
Caribbean:				Total Eastern			
Costa Rica.....	1,620	1,753	1,735	Europe.....	37,084	36,365	36,144
Dominican Rep.....	1,990	2,000	1,990	Soviet Union.....	122,103	120,592	119,580
El Salvador.....	1,024	1,101	1,144	Mid East:			
Guatemala.....	2,560	2,550	2,225	Israel.....	197	188	191
Honduras.....	2,824	2,759	2,601	Saudi Arabia.....	264	281	250
Panama.....	1,479	1,502	1,502	Turkey.....	14,450	14,000	13,400
Total.....	11,497	11,665	11,197	Total.....	14,911	14,469	13,841
Europe:				Africa:			
Belgium-Luxembourg...	3,146	3,159	3,184	Egypt.....	4,900	4,616	4,648
Denmark.....	2,490	2,323	2,226	South Africa.....	12,002	12,187	12,675
France.....	22,171	21,052	19,609	Total.....	16,902	16,803	17,323
Germany, Fed. Rep. of...	15,305	14,887	14,659	Asia:			
Greece.....	743	720	723	China.....	91,670	94,650	97,950
Ireland.....	5,626	5,580	5,637	India.....	273,560	264,860	269,200
Italy.....	8,921	8,870	8,850	Japan.....	4,694	4,667	4,682
Netherlands.....	4,922	4,546	4,606	Korea, Rep. of.....	2,807	2,386	2,039
Portugal.....	1,257	1,332	1,359	Philippines.....	4,615	4,590	4,492
Spain.....	5,003	5,094	5,100	Taiwan.....	153	172	176
United Kingdom.....	12,476	11,849	11,902	Total.....	377,499	371,325	378,539
Total EC.....	82,060	79,412	77,855	Oceania:			
Austria.....	2,637	2,586	2,541	Australia.....	23,540	23,532	24,255
Finland.....	1,485	1,434	1,379	New Zealand.....	8,279	7,999	8,058
				Total.....	31,819	31,531	32,313
				Total selected			
				countries.....	1,037,566	1,026,001	1,029,571

<sup>1</sup> Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible.

<sup>2</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

## FOOTNOTES FOR TABLE 393

<sup>1</sup> Calves born during the year.

<sup>2</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.

<sup>3</sup> Includes cattle shipped in from other States and from central markets, but excludes cattle for immediate slaughter.

<sup>4</sup> Preliminary.

<sup>5</sup> Adjustments made for changes in inventory and for inshipments.

<sup>6</sup> Receipts from marketings and sale of farm slaughter.

<sup>7</sup> "Cash receipts from sales of cattle, calves, beef, and veal" plus "Value of cattle and calves slaughtered for home consumption."

National Agricultural Statistics Service.

Table 390.—Calf crop: Cows and heifers that have calved and calves born, by States, 1987 and 1988

State	Cows and heifers that have calved				Calves born	
	Jan. 1		July 1 <sup>2</sup>		1987	1988 <sup>1</sup>
	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	980	940			800	810
AK.....	4.8	4.4			3.9	3.3
AZ.....	350	355			295	300
AR.....	1,017	1,000			910	860
CA.....	1,920	1,950			1,710	1,850
CO.....	850	850			790	800
CT.....	42	40			40	36
DE.....	11	12			11	11
FL.....	1,265	1,330			1,040	1,100
GA.....	805	804			730	710
HI.....	85	89			71	76
ID.....	670	690			640	660
IL.....	735	720			610	610
IN.....	560	530			515	490
IA.....	1,500	1,575			1,490	1,540
KS.....	1,570	1,554			1,490	1,490
KY.....	1,235	1,275			1,150	1,200
LA.....	702	670			570	560
ME.....	55	52			51	51
MD.....	166	169			155	160
MA.....	43	40			46	37
MI.....	488	470			460	450
MN.....	1,200	1,200			1,180	1,190
MS.....	774	780			680	690
MO.....	2,155	2,230			2,000	2,050
MT.....	1,300	1,349			1,280	1,350
NE.....	1,780	1,800			1,650	1,680
NV.....	265	250			235	225
NH.....	28	27			25	27
NJ.....	42	41			36	34
NM.....	586	641			490	520
NY.....	956	913			880	860
NC.....	425	450			400	415
ND.....	970	920			960	950
OH.....	780	752			710	695
OK.....	1,975	2,000			1,850	1,925
OR.....	641	667			599	625
PA.....	930	935			860	880
RI.....	3.7	3.2			3.3	3.3
SC.....	327	327			275	275
SD.....	1,595	1,650			1,600	1,650
TN.....	1,190	1,240			1,100	1,130
TX.....	5,600	5,800			5,050	5,250
UT.....	391	389			350	352
VT.....	179	182			160	181
VA.....	835	805			810	770
WA.....	570	575			525	530
WV.....	279	271			240	240
WI.....	1,990	1,890			1,940	1,910
WY.....	640	680			620	660
US.....	43,411	43,887	44,400	44,300	40,086	40,872

<sup>1</sup> Preliminary.<sup>2</sup> Individual State estimates not available after July 1, 1981.

National Agricultural Statistics Service.

Table 391.—Cattle and calves: Number on feed, by States, by quarters, 1988 and 1989<sup>1</sup>

State	1988				1989	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AZ.....	351	291	211	214	275	237
CA.....	435	375	455	530	485	390
CO.....	940	815	825	795	885	915
ID.....	195	182	205	226	238	218
IL.....	380	370	330	280	340	350
IA.....	650	680	565	500	640	700
KS.....	1,440	1,490	1,555	1,475	1,460	1,670
MN.....	310	320	275	220	310	330
NE.....	2,000	2,000	1,730	1,740	1,950	1,950
OK.....	320	305	330	305	305	315
SD.....	300	290	260	215	260	290
TX.....	2,250	2,095	2,090	1,890	2,070	2,150
WA.....	198	172	170	201	190	163
13 States.....	9,769	9,385	9,001	8,591	9,408	9,678
AL.....	30				40	
AR.....	12				12	
FL.....	20				15	
GA.....	12				15	
HI.....	18				23	
IN.....	210				230	
KY.....	25				25	
LA.....	9				9	
MD.....	14				12	
MI.....	200				210	
MS.....	14				12	
MO.....	110				95	
MT.....	80				90	
NV.....	28				29	
NJ.....	3				3	
NM.....	154				130	
NY.....	22				19	
NC.....	25				23	
ND.....	45				40	
OH.....	200				200	
OR.....	95				91	
PA.....	75				75	
SC.....	20				20	
TN.....	30				20	
UT.....	45				48	
VA.....	40				40	
WV.....	5				10	
WI.....	110				100	
WY.....	100				109	
Other States.....	7				7	
US.....	11,527				11,160	

<sup>1</sup> Cattle and calves on feed are animals for slaughter market being fed a full ration of grain or other concentrates and are expected to produce a carcass that will grade Select or better. Data not available for all States in quarters where no figures are shown.

National Agricultural Statistics Service.

Table 392.—Cattle and calves: Number on feed, United States, Jan. 1, 1974-89<sup>1</sup>

Year	Number	Year	Number	Year	Number	Year	Number
	<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>
1974.....	13,643	1978.....	13,472	1982.....	10,618	1986.....	11,497
1975.....	10,170	1979.....	13,274	1983.....	12,051	1987.....	9,245
1976.....	12,941	1980.....	12,221	1984.....	11,594	1988.....	9,769
1977.....	12,580	1981.....	11,598	1985.....	12,458	1989 <sup>2</sup> .....	9,408

<sup>1</sup> Cattle and calves on feed are animals for slaughter market being fed a full ration of grain or other concentrates and are expected to produce a carcass that will grade Select or better.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.



**Table 393.—Cattle and calves: Production, disposition, cash receipts, and gross income, United States, 1974–88**

Year	Calf crop <sup>1</sup>	Death loss		Marketings <sup>2</sup>		Cattle shipped in for feeding and breeding <sup>3</sup>	Farm slaughter
		Cattle	Calves	Cattle	Calves		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
1974.....	50,873	2,006	4,104	48,383	9,514	18,103	729
1975.....	50,183	2,396	4,596	54,315	12,239	20,065	750
1976.....	47,384	1,821	3,369	55,394	12,485	21,238	722
1977.....	45,931	2,000	4,000	56,378	12,621	23,333	700
1978.....	43,818	1,940	3,860	54,737	11,938	23,695	550
1979.....	42,596	1,900	3,700	48,358	10,151	22,322	430
1980.....	44,938	1,795	3,618	46,026	10,502	20,513	401
1981.....	44,666	1,700	3,359	46,647	10,383	18,914	398
1982.....	44,200	1,843	3,586	49,549	10,560	21,289	395
1983.....	43,925	1,877	3,617	48,089	10,443	19,210	410
1984.....	42,500	1,873	3,591	50,862	10,253	20,515	388
1985.....	41,045	1,701	3,345	49,243	10,530	19,864	370
1986.....	41,141	1,718	3,280	49,995	10,477	21,211	351
1987.....	40,086	1,700	3,100	49,232	10,423	22,222	330
1988 <sup>4</sup> .....	40,872	1,651	2,975	48,076	10,248	22,324	286

Year	Quantity produced (live weight) <sup>5</sup>	Value of production	Cash receipts from sales of cattle, calves, beef and veal <sup>6</sup>	Value of cattle and calves slaughtered for home consumption	Gross income <sup>7</sup>	Average price per 100 pounds received by farmers	
						Cattle	Calves
	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1974.....	42,760,575	14,905,532	17,843,774	505,841	18,349,615	35.60	35.20
1975.....	40,900,606	12,804,719	17,520,176	458,250	17,978,426	32.20	27.20
1976.....	41,398,356	13,826,938	19,293,597	501,630	19,795,227	33.70	34.10
1977.....	40,744,629	13,977,695	20,225,347	482,340	20,707,687	34.40	36.90
1978.....	39,971,171	19,553,169	28,248,127	565,081	28,813,208	45.50	59.10
1979.....	38,803,335	26,246,763	35,024,950	693,892	35,718,842	66.10	88.70
1980.....	40,283,777	25,468,867	31,827,906	623,698	32,451,604	62.40	76.80
1981.....	41,178,209	23,682,144	29,537,848	600,885	30,133,733	58.60	64.00
1982.....	40,714,722	22,623,349	29,813,318	576,645	30,388,963	56.70	59.80
1983.....	40,301,302	22,013,607	30,664,444	554,663	29,240,149	55.50	61.70
1984.....	40,030,471	22,145,753	30,664,444	554,291	31,218,735	57.30	59.90
1985.....	40,157,633	21,196,736	29,050,683	485,093	29,535,776	53.70	62.10
1986.....	40,474,970	20,985,311	28,922,520	453,337	29,375,857	52.60	61.10
1987.....	40,327,023	24,660,211	33,443,726	474,585	33,918,311	61.10	78.50
1988 <sup>4</sup> .....	40,897,874	27,426,021	36,285,507	484,956	36,770,463	66.60	89.20

See footnotes on page 264.

**Table 394.—Cattle: Average price per 100 pounds, by grades, at Omaha, 1974–88**

Year	Steers <sup>1</sup>			Heifers <sup>1</sup>			Cows <sup>2</sup>	
	Prime	Choice	Select	Prime	Choice	Select	Commercial	Utility
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1974.....	43.13	41.89	38.71	42.11	40.97	38.00	25.45	25.56
1975.....		44.61	39.45		43.12	37.60	21.63	21.09
1976.....		39.11	35.87		37.98	34.10	26.08	25.31
1977.....		40.38	36.70		38.96	35.20	26.11	25.32
1978.....		52.34	47.98		50.30	46.11	37.80	36.78
1979.....		67.67	63.05		65.91	61.47	50.06	50.10
1980.....		67.05	62.16		64.90	61.22	44.91	45.72
1981.....		63.84	59.83		62.05	59.46	41.59	41.93
1982.....		64.22	59.47		62.79	59.82	40.35	39.96
1983.....		62.52	56.99		61.42	58.53	39.40	39.35
1984.....		65.34	59.14		64.59	61.18	40.75	39.81
1985.....		58.37	53.28		58.24	55.52	37.91	38.32
1986.....		57.74	52.04		57.56	54.76	36.96	37.22
1987.....		64.60	58.53		64.34	61.48	44.84	44.83
1988.....		69.58	67.06		68.16	65.35	45.80	47.94

See footnotes on page 269.

Table 395.—Cattle and calves: Receipts at selected public stockyards, 1974-88 <sup>1</sup>

Year	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting <sup>2,3</sup>
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
Cattle									
1974	130	434	1,230	355	347	980	943	8,580	12,999
1975	190	522	1,227	418	399	1,178	1,029	10,304	15,267
1976	123	384	1,089	424	323	1,112	946	9,588	13,989
1977	139	352	1,092	390	296	846	765	9,687	13,567
1978	108	313	829	358	252	754	707	8,271	11,592
1979	63	296	721	268	200	645	693	7,306	10,192
1980	50	207	746	258	196	603	566	7,103	9,729
1981	42	245	742	241	183	573	554	6,537	9,117
1982	(4)	245	612	241	185	549	425	6,707	8,964
1983		230	570	215	193	506	442	6,314	8,470
1984		223	474	198	179	461	373	6,532	8,440
1985		162	395	160	140	420	360	5,648	7,285
1986		164	320	153	140	391	230	5,430	6,829
1987		129	290	133	121	347	167	5,013	6,200
1988		97	230	107	108	336	150	4,886	5,914
Calves									
1974	82	39	32	16	21	105		342	637
1975	90	53	27	19	11	136		414	750
1976	81	32	24	13	8	156		419	733
1977	73	27	(5)	11	5	113		402	631
1978	54	45		9	5	85		126	324
1979	31	(9)		5	5	70		82	193
1980	44			7	5	59		67	182
1981	42			4	5	57		46	154
1982	(4)			3	10	53		67	133
1983				1	13	47		61	122
1983				1	10	42		80	133
1984				1	10	42		80	133
1985				1	13	38		53	100
1986				1	13	27		31	72
1987					13	18		31	62
1988						14		42	56

<sup>1</sup> Total rail and truck receipts unloaded at public stockyards. Saleable receipts 1978 on. <sup>2</sup> Rounded totals of the complete figures. <sup>3</sup> The number of stockyards varies from 23 to 46. <sup>4</sup> Data no longer reported. <sup>5</sup> Cattle and calves combined in 1977. <sup>6</sup> Cattle and calves combined in 1979.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 396.—Cattle and calves: Number slaughtered, United States, 1974-88

Year	Cattle slaughter					Calf slaughter				
	Commercial			Farm	Total	Commercial			Farm	Total
	Federally inspected	Other	Total <sup>1</sup>			Federally inspected	Other	Total <sup>1</sup>		
Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1974	33,319	3,493	36,812	515	37,327	2,355	632	2,987	185	3,172
1975	36,904	4,008	40,911	553	41,464	3,394	1,316	5,209	197	5,406
1976	38,992	3,663	42,654	542	43,196	4,438	912	5,350	178	5,528
1977	38,717	3,139	41,856	525	42,381	4,696	821	5,517	175	5,692
1978	36,948	2,605	39,552	418	39,970	3,620	550	4,170	132	4,302
1979	31,504	2,174	33,678	330	34,008	2,499	325	2,824	100	2,924
1980	31,642	2,164	33,807	309	34,116	2,294	294	2,588	91	2,679
1981	32,819	2,135	34,953	312	35,265	2,478	320	2,798	86	2,884
1982	33,907	1,937	35,843	312	36,155	2,729	292	3,021	82	3,103
1983	34,816	1,833	36,649	325	36,974	2,798	279	3,077	85	3,162
1984	35,880	1,702	37,582	310	37,892	3,030	267	3,297	80	3,377
1985	34,765	1,528	36,293	300	36,593	3,168	217	3,385	70	3,455
1986	35,913	1,375	37,288	280	37,568	3,195	213	3,408	70	3,478
1987	34,468	1,179	35,647	243	35,890	2,680	135	2,815	87	2,902
1988	34,048	1,031	35,079	245	35,324	2,411	95	2,506	50	2,556

See footnotes on page 269.

**Table 397.—Cattle and calves: Number slaughtered under Federal inspection, average live weight, and average cost to slaughters (live weight), 1974-88**

Year	Cattle		Calves		
	Number slaughtered	Average live weight	Number slaughtered	Average live weight	
	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	
1974	33,319	1,052	2,355	211	
1975	36,904	1,009	3,894	227	
1976	38,992	1,030	4,438	223	
1977	38,717	1,033	4,696	207	
1978	36,948	1,043	3,620	206	
1979	31,504	1,068	2,499	210	
1980	31,642	1,080	2,294	214	
1981	32,819	1,083	2,478	218	
1982	33,907	1,071	2,729	208	
1983	34,316	1,077	2,798	213	
1984	35,880	1,072	3,030	225	
1985	34,765	1,103	3,168	234	
1986	35,913	1,105	3,195	239	
1987	34,468	1,109	2,680	239	
1988	34,048	1,124	2,411	251	

National Agricultural Statistics Service.

**Table 398.—Cattle: Number slaughtered under Federal inspection, and percentage distribution, by classes, 1974-88**

Year	Number					Percentage of total				
	Steers	Cows and heifers			Bulls and stags	Steers	Cows and heifers			Bulls and stags
		Cows	Heifers	Total			Cows	Heifers	Total	
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1974	17,824	6,794	7,960	14,754	741	53.5	20.4	23.9	44.3	2.2
1975	16,071	10,420	9,419	19,839	994	43.6	28.2	25.5	53.7	2.7
1976	17,266	9,703	11,116	20,819	907	44.2	24.9	28.6	53.5	2.3
1977	17,892	9,128	10,866	19,994	832	46.2	23.6	28.1	51.7	2.1
1978	17,308	7,913	10,981	18,894	746	46.9	21.4	29.7	51.1	2.0
1979	16,258	5,546	9,112	14,658	586	51.6	17.6	28.9	46.5	1.9
1980	16,059	5,925	8,980	14,905	679	50.7	18.7	28.4	47.1	2.2
1981	16,437	6,238	9,416	15,654	728	50.1	19.0	28.7	47.7	2.2
1982	16,344	6,955	9,833	16,788	774	48.2	20.5	29.0	49.5	2.3
1983	16,613	7,215	10,221	17,436	768	47.7	20.7	29.4	50.1	2.2
1984	16,688	8,229	10,211	18,440	752	46.5	22.9	28.5	51.4	2.1
1985	16,201	7,076	10,763	17,839	725	46.5	20.4	31.0	51.4	2.1
1986	16,871	7,665	10,688	18,353	689	47.0	21.3	29.8	51.1	1.9
1987	16,867	6,388	10,545	16,933	668	49.0	18.5	30.6	49.1	1.9
1988	16,833	6,151	10,439	16,590	625	49.4	11.4	30.7	42.1	1.8

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 394

<sup>1</sup> 900 to 1,100 pound weight range; simple average of price range.<sup>2</sup> All weights; simple average of price range.

Agricultural Marketing Service.

## FOOTNOTES FOR TABLE 396

<sup>1</sup> Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 399.—Cattle and calves: Production, disposition, cash receipts, and gross income, by States, 1988 (preliminary)

State	Marketings <sup>1</sup>		Cattle shipped in for feeding and breeding	Farm slaughter of cattle and calves <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production	Cash receipts from sales of cattle, calves, beef, and veal <sup>4</sup>	Value of cattle and calves slaughtered for home consumption	Gross income <sup>5</sup>
	Cattle	Calves							
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	590	229	115	2	672,400	431,483	452,673	9,903	462,576
AK.....	1.6	0	2	1.3	2,310	1,469	1,159	666	1,825
AZ.....	720	92	490	3	531,780	352,027	518,411	3,050	521,461
AR.....	631	242	1	9	620,300	393,411	424,291	7,896	432,187
CA.....	2,119	303	867	25	2,093,710	1,305,689	1,613,819	23,406	1,637,225
CO.....	2,810	120	2,300	5	1,806,300	1,287,267	2,275,155	8,562	2,283,717
CT.....	19	20	6	1	17,290	10,171	13,388	1,402	14,790
DE.....	5	3	0	1	7,895	4,981	3,308	1,673	4,981
FL.....	239	795	56	2	501,340	374,990	372,431	3,173	375,604
GA.....	362	343	48	3	396,230	259,769	280,280	3,904	284,184
HI.....	57	5	0	0	63,300	30,359	27,984	438	28,422
ID.....	851	122	455	4	815,420	521,418	659,538	10,396	669,934
IL.....	1,022	175	570	8	779,330	548,361	811,786	19,858	831,644
IN.....	512	184	205	4	409,455	248,315	339,505	11,987	351,492
IA.....	2,706	80	1,550	9	2,168,090	1,458,394	2,007,035	14,461	2,021,496
KS.....	4,762	1	3,466	3	3,073,770	2,194,064	3,804,000	11,304	3,815,304
KY.....	733	465	195	7	739,560	497,427	537,893	13,374	551,267
LA.....	193	349	2	5	353,515	243,080	232,740	6,275	239,015
ME.....	32	25	6	2	31,450	18,409	22,031	2,285	24,316
MD.....	81	61	10	2	109,765	71,134	67,188	4,540	71,728
MA.....	10	22	1	1	10,810	6,406	5,918	1,635	7,553
MI.....	355	61	55	4	40,635	252,155	258,869	14,347	273,216
MN.....	1,250	160	465	10	1,281,365	810,740	956,741	20,751	977,492
MS.....	292	308	20	3	383,520	248,768	231,638	7,096	238,734
MO.....	962	813	40	10	1,236,130	911,397	839,399	26,458	865,857
MT.....	1,094	280	123	6	932,740	635,955	693,345	8,858	702,203
NE.....	5,493	70	4,000	2	3,583,020	2,518,909	4,412,086	10,535	4,422,621
NV.....	121	95	10	5	161,725	107,974	112,522	3,321	115,843
NH.....	14	10	1	1	18,150	10,703	10,362	1,159	11,521
NJ.....	14	24	3	1	22,510	14,272	16,282	874	17,156
NM.....	1,157	200	920	3	656,730	428,712	719,766	4,322	724,088
NY.....	230	635	14	7	260,780	154,369	200,979	7,502	208,481
NC.....	198	150	10	2	278,680	172,203	152,879	11,718	164,597
ND.....	657	515	90	5	631,290	489,315	651,113	7,906	659,019
OH.....	548	165	50	7	582,090	375,058	401,289	19,233	420,522
OK.....	2,942	123	1,500	10	2,090,330	1,332,500	1,799,285	20,310	1,819,595
OR.....	400	172	80	23	508,090	335,090	328,020	19,002	347,022

PA.....	512	355	100	13	611,290	384,154	406,934	19,111	426,045
RI.....	2	1.9	.3	.2	1,564	931	1,253	340	1,593
SC.....	204	62	15	2	238,800	137,112	140,846	5,064	145,910
SD.....	1,483	410	391	3	1,749,240	1,220,348	1,361,431	10,076	1,371,507
TN.....	863	362	220	5	775,230	462,811	528,344	8,514	536,858
TX.....	7,330	225	2,950	15	5,763,400	3,884,628	4,936,498	30,574	4,967,072
UT.....	298	111	118	2	314,500	219,958	266,665	4,309	270,974
VT.....	51	110	14	3	67,260	40,636	41,831	3,749	45,580
VA.....	589	120	17	8	624,220	401,483	419,693	10,313	430,006
WA.....	657	80	310	21	610,210	401,461	513,113	20,862	533,975
WV.....	36	168	14	6	83,380	61,801	57,155	6,600	63,755
WI.....	1,061	670	40	9	1,280,095	798,004	850,632	18,294	868,926
WY.....	807	156	410	2	506,880	355,950	506,004	3,570	509,574
US.....	48,076	10,248	22,324	286	40,897,874	27,426,021	36,285,507	484,956	36,770,463

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

<sup>3</sup> Adjustments made for changes in inventory and for inshipments.

<sup>4</sup> Includes receipts from marketings and sales of farm-slaughtered meat.

<sup>5</sup> Includes cash receipts from sales of cattle, calves, beef, and veal plus value of cattle and calves slaughtered for home consumption.

National Agricultural Statistics Service.

Table 400.—Cattle and calves: Number slaughtered commercially, total and average live weight, by States, 1989<sup>1</sup>

State	Cattle			Calves		
	Number slaughtered	Total live weight	Average live weight	Number slaughtered	Total live weight	Average live weight
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
AL.....	261.4	282,604	1,081	0.5	216	403
AZ.....	432.0	453,747	1,050	8.2	814	99
AR.....	46.3	42,516	918	.6	202	342
CA.....	1,214.6	1,408,151	1,159	174.2	36,811	211
CO.....	2,248.8	2,540,959	1,130	.1	17	216
DE and MD.....	49.4	57,906	1,173	23.9	8,976	375
FL.....	173.5	178,954	1,031	113.0	31,224	276
GA.....	203.4	187,999	924	15.8	6,015	381
HI.....	57.0	58,195	1,021			
ID.....	760.9	899,012	1,181		159	216
IL.....	1,321.0	1,463,464	1,108		44,990	310
IN.....	159.1	170,575	1,072	145.1	87,663	392
IA.....	1,920.1	2,213,136	1,153			
KS.....	6,306.6	7,011,766	1,112	.2	54	329
KY.....	110.5	107,219	970	.6	145	262
LA.....	36.4	34,035	935	65.8	30,350	461
MI.....	394.4	502,842	1,275	69.5	24,811	357
MN.....	1,098.6	1,909,360	1,192	2.2	560	256
MS.....	127.0	119,989	945	35.2	9,810	278
MO.....	397.8	432,615	1,087	5.1	1,429	281
MT.....	18.2	19,251	1,059	.1	18	193
NE.....	5,850.7	6,659,315	1,138			
NV.....	2.3	2,296	1,004	1.2	637	545
N ENG <sup>3</sup> .....	68.4	74,125	1,084	106.4	16,277	153
NJ.....	98.9	125,190	1,266	92.0	31,886	347
NM.....	125.7	126,867	1,009			
NY.....	175.6	212,850	1,212	439.0	62,909	143
NC.....	132.3	131,088	991	2.0	605	296
ND.....	162.0	189,113	1,167	.3	104	403
OH.....	423.9	472,294	1,114	141.1	26,381	187
OK.....	124.1	126,056	1,015	2.9	1,226	417
OR.....	54.6	60,395	1,107	13.2	4,300	326
PA.....	979.5	1,166,279	1,191	274.7	47,413	173
SC.....	107.8	117,524	1,090	10.7	5,335	501
SD.....	584.8	704,477	1,205	.1	7	122
TN.....	173.9	173,449	997	9.2	1,967	214
TX.....	5,957.3	6,266,885	1,052	125.8	52,534	418
UT.....	474.8	558,919	1,177	.4	114	301
VA.....	65.3	68,019	1,042	2.4	716	297
WA.....	911.2	1,073,808	1,178	56.1	11,600	207
WV.....	19.7	19,190	973	.2	55	290
WI.....	1,241.8	1,463,756	1,179	343.7	97,918	285
WY.....	7.3	7,697	1,056			
US <sup>3</sup> .....	35,078.9	39,293,886	1,120	2,505.8	646,286	258

<sup>1</sup> Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Totals may not add due to rounding.

<sup>2</sup> Data not shown to avoid disclosing individual operations, but are included in U.S. totals.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

**Table 401.—Beef, dressed (carlots): Average wholesale price per 100 pounds, by grade and weight, 1974-88 <sup>1</sup>**

Year	Steer beef		Heifer beef		Cow beef, all weights	
	Choice 700-800 lb.	Select 600-700 lb.	Choice 550-600 lb.	Select 550-600 lb.	Utility Breaking	Canner and Cutter
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1974.....	67.09	62.56	66.51	61.93	46.73	53.48
1975.....	73.64	67.88	71.62	65.87	43.20	43.09
1976.....	60.96	58.24	59.75	56.81	49.36	52.00
1977 <sup>2</sup> .....	62.66	58.21	60.94	56.20	45.51	51.55
1978.....	80.80	76.06	78.58	73.00	65.37	74.61
1979.....	101.72	97.32	100.00	95.49	85.64	100.48
1980.....	104.89	100.66	101.86	97.96	79.86	92.45
1981.....	99.85	96.85	97.48	94.55	75.47	84.06
1982.....	101.68	97.82	98.54	94.31	72.64	78.96
1983.....	97.97	93.50	94.45	91.03	70.48	78.48
1984.....	100.17	95.79	96.62	93.42	68.03	74.70
1985.....	90.68	87.50	88.48	84.67	64.86	74.13
1986.....	89.00	84.34	87.72	82.02	61.83	71.31
1987.....	97.24	91.78	96.21	90.65	70.21	83.70
1988.....	103.07	96.79	102.58	95.92	74.51	88.61

<sup>1</sup> Chicago prices through 1975, with 1975 reflecting only a Jan.-Sept. average. Midwest prices start with 1976.<sup>2</sup> Midwest prices; Chicago now included in Midwest Report.

Agricultural Marketing Service.

**Table 402.—Hogs and pigs: Number and value, United States, Dec. 1, 1974-88**

Year	Number	Value		Year	Number	Value	
		per head	Total			per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	54,693	44.90	2,457,052	1982.....	54,534	89.90	4,903,494
1975.....	49,267	80.40	3,959,360	1983.....	56,694	58.80	3,330,803
1976.....	54,934	47.00	2,582,568	1984.....	54,073	75.00	4,055,724
1977.....	56,539	63.20	3,575,279	1985.....	52,313	69.60	3,640,368
1978.....	60,356	83.20	5,023,454	1986.....	50,920	91.90	4,679,398
1979.....	67,318	56.00	3,772,812	1987.....	54,620	76.10	4,158,300
1980.....	64,462	74.70	4,815,218	1988 <sup>1</sup> .....	55,299	66.30	3,665,069
1981.....	58,698	70.10	4,114,350				

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 403.—Hogs and pigs: Number and value, by States, Dec. 1, 1986–88

State	Number			Value					
	1986	1987	1988 <sup>1</sup>	Value per head			Total value		
				1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>
AL.....	360	345	345	93.50	70.00	60.50	33,660	24,150	20,873
AK.....	1.0	.5	.6	127.00	161.50	167.00	127	81	100
AZ.....	155	130	130	112.00	93.50	75.00	17,360	12,155	9,750
AR.....	460	465	540	80.50	66.50	64.00	37,030	30,923	34,560
CA.....	150	130	120	102.50	92.00	88.50	15,375	11,960	10,620
CO.....	190	205	220	92.00	85.00	74.50	17,480	17,425	16,390
CN.....	7.0	6.5	6.8	74.50	83.00	84.50	522	540	575
DE.....	60	58	33	95.00	80.00	70.50	5,700	4,640	2,327
FL.....	140	150	140	85.50	73.00	70.00	11,970	10,950	9,800
GA.....	1,100	1,175	1,210	84.00	64.50	57.00	92,400	75,788	68,970
HI.....	50	47	43	125.00	127.50	127.50	6,250	5,993	5,483
ID.....	80	80	80	90.50	81.00	64.50	7,240	6,480	5,160
IL.....	5,000	5,400	5,600	95.50	78.50	65.50	477,500	423,900	366,800
IN.....	4,150	4,600	4,300	95.50	72.50	64.50	396,325	333,500	277,350
IA.....	12,600	14,100	13,900	92.50	78.50	65.50	1,165,500	1,106,850	910,450
KS.....	1,450	1,470	1,500	85.50	70.00	62.00	121,410	102,900	93,000
KY.....	880	900	1,090	86.50	67.00	63.00	76,120	60,300	68,670
LA.....	53	46	60	90.00	82.50	69.00	4,770	3,795	4,140
ME.....	8	8.3	8.0	100.00	89.50	89.50	800	743	716
MD.....	190	220	170	94.00	76.00	69.00	17,860	16,720	11,730
MA.....	32	33	31	90.00	86.00	81.00	2,880	2,838	2,511
MI.....	1,250	1,350	1,250	93.00	80.50	73.50	116,250	108,675	91,875
MN.....	4,260	4,500	4,690	93.00	74.50	67.50	396,180	335,250	316,575
MS.....	210	263	237	90.00	67.50	60.00	18,900	17,753	14,220
MO.....	2,850	3,000	2,850	88.50	70.50	63.50	252,225	211,500	180,975
MT.....	190	230	245	82.50	72.50	72.00	15,675	16,675	17,640
NE.....	3,950	4,050	4,050	95.00	78.00	70.50	375,250	315,900	285,525
NV.....	14	16	15	88.00	91.00	81.50	1,232	1,456	1,223
NH.....	8.8	9.0	9.1	88.00	89.50	90.50	774	806	824
NJ.....	40	45	38	89.00	80.00	71.50	3,560	3,600	2,717
NM.....	36	31	26	89.50	95.50	76.00	3,222	2,961	1,976
NY.....	128	124	151	100.00	87.50	70.00	12,800	10,850	10,570
NC.....	2,360	2,550	2,700	84.00	80.00	61.50	198,240	204,000	166,050
ND.....	275	325	340	88.50	78.00	66.50	24,338	25,350	22,610
OH.....	2,000	2,150	2,210	95.50	78.00	67.50	191,000	167,700	149,175
OK.....	220	200	240	80.00	77.50	67.50	17,600	15,500	16,200
OR.....	115	100	100	93.00	87.50	73.00	10,695	8,750	7,300
PA.....	890	860	970	99.00	75.50	70.50	88,110	64,930	68,385
RI.....	4.8	4.6	5.9	78.00	77.00	79.50	374	354	469
SC.....	420	400	450	81.00	71.50	70.00	34,020	28,600	31,500
SD.....	1,520	1,560	1,760	89.00	74.00	71.00	135,280	115,440	124,960
TN.....	770	820	1,050	91.00	79.50	66.00	70,070	65,190	69,300
TX.....	510	580	560	86.50	74.00	72.00	44,115	42,920	40,320
UT.....	25	26	33	83.00	84.00	69.50	2,075	2,184	2,294
VT.....	5.8	5.9	6.0	95.00	104.50	108.50	551	617	651
VA.....	360	420	400	86.00	72.00	64.00	30,960	30,240	25,600
WA.....	50	55	53	111.00	84.00	69.00	5,550	4,620	3,657
WV.....	37	36	37	89.00	88.00	81.50	3,293	3,168	3,016
WI.....	1,330	1,320	1,275	89.00	75.00	69.00	115,700	99,000	87,975
WY.....	35	20	21	88.00	84.00	72.00	3,080	1,680	1,512
US.....	50,920	54,620	55,299	91.90	76.10	66.30	4,679,398	4,158,300	3,665,069

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.



Table 404.—Sows farrowing and pig crop: Number, United States, 1974-88

Year	Sows farrowing		Pig crop			Year	Sows farrowing		Pig crop		
	Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total		Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974 .....	6,315	5,476	44,792	38,952	83,744	1982 .....	5,664	5,884	41,575	43,614	85,189
1975 .....	4,973	4,952	35,530	35,656	71,186	1983 .....	6,301	6,176	47,409	45,746	93,155
1976 .....	5,777	5,850	42,177	42,218	84,395	1984 .....	5,694	5,857	42,403	44,183	86,586
1977 .....	6,050	6,009	42,960	43,202	86,162	1985 .....	5,571	5,668	42,545	43,484	86,029
1978 .....	6,034	6,398	42,481	46,031	88,512	1986 .....	5,246	5,423	40,392	41,997	82,389
1979 .....	7,176	7,322	50,551	52,241	102,792	1987 .....	5,560	5,814	43,356	44,991	88,347
1980 .....	7,229	6,855	52,288	49,432	101,720	1988 <sup>1</sup> .....	6,025	6,002	46,834	45,732	92,566
1981 .....	6,440	6,268	47,605	46,248	93,853						

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 405.—Hogs and pigs: Number for breeding and market, United States, 1974-88

Year	All hogs and pigs	Kept for breeding	Market hogs by weight groups					Total
			Under 60 pounds	60 to 119 pounds	120 to 179 pounds	180 to 219 pounds	220 pounds and over	
June 1								
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974 .....	58,878	8,823	23,654	12,059	7,737	4,920	1,685	60,055
1975 .....	47,860	7,358	18,396	9,914	6,851	4,271	1,070	40,502
1976 .....	53,930	8,388	21,798	11,160	7,205	4,365	1,014	45,542
1977 .....	54,460	8,688	21,558	10,892	7,679	4,592	1,051	45,772
1978 <sup>1</sup> .....	55,240	8,857	20,934	11,309	8,013	5,016	1,111	46,383
1979 .....	65,020	10,368	25,223	13,186	9,197	7,046		54,652
1980 .....	65,255	9,481	25,002	13,550	9,781	7,441		55,774
1981 .....	59,740	8,358	23,046	12,231	9,047	7,058		51,382
1982 .....	52,260	7,414	19,074	10,999	8,267	6,506		44,846
1983 .....	57,945	8,113	22,029	12,031	8,879	6,893		49,832
1984 .....	52,815	7,401	19,377	11,387	8,111	6,539		45,414
1985 .....	52,250	6,997	18,968	11,200	8,245	6,840		45,253
1986 .....	48,825	6,420	17,645	10,565	7,990	6,205		42,405
1987 .....	52,200	7,040	19,600	11,080	8,170	6,310		45,160
1988 <sup>2</sup> .....	56,265	7,530	20,915	12,015	8,880	7,005		48,735
Dec. 1								
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974 .....	54,693	7,389	17,732	12,495	9,685	5,740	1,652	47,304
1975 .....	49,267	7,574	16,255	11,047	8,049	4,837	1,505	41,693
1976 .....	54,934	8,011	18,714	12,307	8,932	5,292	1,678	46,923
1977 .....	56,539	8,604	19,424	12,399	9,111	5,495	1,507	47,936
1978 <sup>1</sup> .....	60,356	9,605	21,244	13,086	9,443	6,979		50,751
1979 .....	67,318	9,645	22,834	15,429	11,281	8,130		57,674
1980 .....	64,462	9,118	22,131	13,977	10,996	8,240		55,344
1981 .....	58,698	7,844	19,490	12,926	10,439	7,999		50,854
1982 .....	54,534	7,475	18,830	11,942	9,875	6,912		47,059
1983 .....	56,694	7,391	19,028	12,626	9,985	7,664		49,303
1984 .....	54,073	6,933	18,071	12,013	9,850	7,446		47,140
1985 .....	52,313	6,783	17,301	11,700	9,320	7,210		45,580
1986 .....	50,920	6,671	16,756	11,228	9,106	7,159		44,250
1987 .....	54,620	7,153	17,764	11,979	9,702	8,022		47,467
1988 <sup>2</sup> .....	55,499	7,057	18,021	12,401	10,030	7,990		48,442

<sup>1</sup> The 180-219 pounds and 220 pounds and over market hog weight groups combined into the 180 pounds and over weight group starting Dec. 1978.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 406.—Hogs: Number in specified countries, 1987-89 <sup>1</sup>

Continent and country	1987	1988	1989 <sup>2</sup>	Continent and country	1987	1988	1989 <sup>2</sup>
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
<b>North America:</b>				<b>Europe—Con.</b>			
Canada.....	9,996	10,748	10,779	Bulgaria.....	4,050	4,034	4,075
Mexico.....	12,357	10,879	9,003	Czechoslovakia.....	6,833	7,235	7,384
United States <sup>3</sup> .....	50,920	54,620	55,499	German Dem. Rep.....	12,840	12,503	12,464
<b>Total.....</b>	<b>73,273</b>	<b>76,247</b>	<b>75,281</b>	Hungary.....	8,687	8,216	8,327
<b>South America:</b>				Poland.....	19,619	19,373	20,169
Brazil.....	31,700	31,700	33,200	Romania.....	14,711	15,224	15,400
Colombia.....	2,434	2,458	2,500	Yugoslavia.....	8,459	8,324	7,396
Guatemala.....	1,110	1,120	1,130	<b>Total Eastern</b>			
Venezuela.....	3,091	3,100	2,961	Europe.....	75,199	74,909	75,215
<b>Total.....</b>	<b>38,335</b>	<b>38,378</b>	<b>39,791</b>	<b>Soviet Union.....</b>	<b>79,501</b>	<b>77,403</b>	<b>78,143</b>
<b>Europe:</b>				<b>Asia:</b>			
Belgium-Luxembourg.....	5,838	5,958	6,234	China.....	337,191	327,730	342,220
Denmark.....	9,422	9,048	9,105	Japan.....	11,354	11,725	11,866
France.....	12,063	11,915	11,601	Korea, Rep. of.....	3,347	4,821	4,852
Germany, Fed. Rep. of.....	24,503	23,670	22,693	Philippines.....	7,114	7,581	7,775
Greece.....	1,226	1,269	1,114	Taiwan.....	7,057	7,129	6,954
Ireland.....	980	960	961	<b>Total.....</b>	<b>366,063</b>	<b>358,446</b>	<b>373,667</b>
Italy.....	9,278	9,400	9,400	<b>Oceania:</b>			
Netherlands.....	14,063	14,226	13,820	Australia.....	2,640	2,719	2,650
Portugal.....	2,454	2,450	2,326	New Zealand.....	435	426	414
Spain.....	15,782	16,941	16,268	<b>Total.....</b>	<b>3,075</b>	<b>3,145</b>	<b>3,064</b>
United Kingdom.....	7,955	7,915	7,628	<b>Total selected</b>			
<b>Total EC.....</b>	<b>103,564</b>	<b>103,752</b>	<b>101,415</b>	countries.....	748,271	741,701	755,966
Austria.....	3,800	3,933	3,874				
Finland.....	1,309	1,291	1,327				
Sweden.....	2,235	2,274	2,320				
Switzerland.....	1,917	1,923	1,869				
<b>Total Western</b>							
Europe.....	9,261	9,421	9,390				

<sup>1</sup> Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible.

<sup>2</sup> Preliminary.

<sup>3</sup> 50 States.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 407.—Sows farrowing and pig crop: Number, by States, 1987 and 1988

State	Sows farrowing				Pig crop					
	1987		1988		1987			1988		
	Dec.-May	June-Nov.	Dec.-May	June-Nov. <sup>1</sup>	Dec.-May	June-Nov.	Total	Dec.-May	June-Nov. <sup>1</sup>	Total <sup>1</sup>
<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	45	38	43	35	315	274	589	305	259	564
AK.....	.07	.08	.06	.06	.40	.50	.90	.42	.53	.95
AZ.....	15	15	14	13	123	119	242	113	101	214
AR.....	53	54	57	63	451	486	937	499	580	1,079
CA.....	16	15	16	14	123	116	239	118	105	223
CO.....	21	20	23	23	164	156	320	185	192	377
CT.....	.40	.60	.50	.50	3.0	4.3	7.3	4.0	3.9	7.9
DE.....	9.0	8.0	5.2	6.4	60	61	121	43	44	87
FL.....	18	21	21	21	131	149	280	145	144	289
GA.....	121	122	128	133	896	933	1,829	966	985	1,951
HI.....	4.8	5.0	4.5	4.6	30	36	66	29	33	62
ID.....	7.0	8.0	7.5	8.5	59	61	120	61	65	126
IL.....	550	590	670	640	4,235	4,439	8,674	5,188	4,734	9,922
IN.....	430	485	455	450	3,324	3,735	7,059	3,527	3,465	6,992
IA.....	1,380	1,470	1,495	1,450	10,952	11,430	22,382	11,628	10,839	22,467
KS.....	147	143	158	156	1,155	1,106	2,261	1,228	1,202	2,430
KY.....	109	105	114	126	807	798	1,605	840	958	1,798
LA.....	6.0	6.0	8.0	8.0	39	36	75	54	57	111
ME.....	1.0	1.1	1.0	1.1	6.4	8	14.4	5.5	7.4	12.9
MD.....	25	27	29	24	170	197	367	147	172	319
MA.....	2.5	3.0	2.6	3.0	18	21	39	16.7	20.6	37.3
MI.....	115	140	120	135	909	1,092	2,001	953	1,029	1,982
MN.....	445	480	490	510	3,585	3,815	7,400	3,962	4,009	7,971
MS.....	30	29	30	31	234	203	437	214	204	418
MO.....	345	350	360	335	2,588	2,607	5,195	2,714	2,487	5,201
MT.....	24	25	24	31	173	185	358	184	217	401
NE.....	395	405	420	415	3,142	3,200	6,342	3,337	3,258	6,595
NV.....	1.5	1.6	1.7	1.9	13	13	26	12.4	14.2	26.6
NH.....	.70	.90	.70	.90	4.9	6.4	11.3	5.0	6.8	11.8
NJ.....	2.5	2.6	2.5	1.5	22	16	38	13.1	10.6	23.7
NM.....	3.4	3.3	3.2	3.3	26	27	53	26	24	50
NY.....	12	14	13	18	88	113	201	103	136	239
NC.....	260	275	285	290	2,107	2,227	4,334	2,273	2,378	4,651
ND.....	35	37	36	39	277	292	569	273	292	565
OH.....	215	230	240	236	1,640	1,772	3,412	1,841	1,827	3,668
OK.....	25	18	25	24	180	126	306	170	170	340
OR.....	13	12	12	12	96	101	197	96	99	195
PA.....	83	73	72	81	664	599	1,263	605	668	1,273
RI.....	.30	.30	.40	.50	2.3	2.4	4.7	2.9	3.3	6.2
SC.....	39	45	39	49	273	311	584	273	353	626
SD.....	195	174	212	208	1,560	1,375	2,935	1,705	1,561	3,266
TN.....	82	85	105	125	599	646	1,245	799	938	1,737
TX.....	50	60	62	60	370	438	808	431	459	890
UT.....	2.3	2.1	2.9	3.0	17	17	34	22	24	46
VT.....	.80	.80	.80	.80	5.3	5.7	11	5.4	6.4	11.8
VA.....	53	47	54	43	408	353	761	403	332	735
WA.....	6.0	6.0	6.8	6.1	42	49	91	50	48	98
WV.....	2.8	3.0	3.1	3.7	17	22	39	19.6	26	45.6
WI.....	160	155	157	155	1,232	1,194	2,426	1,216	1,161	2,377
WY.....	2.6	2.3	3.2	3.1	20	18	38	23.2	23.0	46.2
US.....	5,560	5,814	6,025	6,002	43,356	44,991	88,347	46,834	45,732	92,566

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 408.—Hogs: Production, disposition, cash receipts, and gross income, United States, 1974-88**

Year	Marketings <sup>1</sup>	Shipped in for feeding and breeding	Farm slaughter <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production <sup>4</sup>	Cash receipts from sales of hogs, pork, and lard <sup>5</sup>	Value of hogs slaughtered for home consumption	Gross income <sup>6</sup>	Average price per 100 pounds received by farmers
	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Dollars
1974 <sup>7</sup>	85,504	3,979	1,321	19,976,384	6,838,022	6,946,761	219,400	7,166,161	34.20
1975	73,627	3,805	1,193	16,835,178	7,755,699	7,916,425	267,158	8,183,583	46.10
1976	75,747	4,191	1,181	18,160,337	7,856,375	7,487,676	268,802	7,756,478	43.30
1977	80,939	4,258	1,144	19,020,900	7,484,651	7,281,364	262,047	7,543,411	39.40
1978	81,271	4,714	1,086	19,466,200	9,065,998	8,753,229	285,238	9,038,467	46.60
1979	92,499	5,003	1,070	22,617,129	9,423,783	9,039,678	255,136	9,294,814	41.80
1980	100,651	4,668	1,100	23,401,728	8,863,535	8,942,539	214,930	9,157,469	38.00
1981	95,986	4,147	895	21,812,966	9,532,037	9,794,285	206,215	10,000,500	43.90
1982	86,972	3,827	655	19,657,921	10,297,021	10,658,841	178,109	10,836,950	52.30
1983	89,129	3,527	517	21,195,347	9,899,218	9,785,227	123,898	9,909,125	46.80
1984	87,344	3,527	473	20,195,699	9,498,230	9,703,385	115,087	9,818,472	47.10
1985	86,694	3,676	446	20,164,269	8,871,310	9,029,467	98,823	9,128,290	44.00
1986	82,738	3,447	358	19,415,403	9,555,767	9,716,044	89,401	9,805,445	49.30
1987	83,857	3,746	328	20,408,228	10,424,257	10,288,463	87,264	10,375,727	51.20
1988 <sup>8</sup>	90,476	3,676	341	21,630,015	9,128,050	9,213,630	79,036	9,292,666	42.30

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. <sup>2</sup> Excludes custom slaughtered for farmers at commercial establishments. <sup>3</sup> Adjustments made for changes in inventory and for inshipments. <sup>4</sup> Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. <sup>5</sup> Receipts from marketings and sale of farm slaughter includes allowance for higher average price of State outshipments of feeder pigs. <sup>6</sup> Cash receipts from sale of hogs, pork, and lard plus value of hogs slaughtered for home consumption. <sup>7</sup> Data for 12-month period—December of previous year through November of current year. <sup>8</sup> Preliminary.

National Agricultural Statistics Service.

**Table 409.—Hogs: Receipts at selected public stockyards and direct receipts at interior markets, 1974-88<sup>1</sup>**

Year	Receipts at selected public stockyards									Direct receipts in interior Iowa and Southern Minnesota <sup>4</sup>
	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting <sup>2,3</sup>	
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1974	80	897	1,478	1,530	1,790	2,676	2,365	8,255	19,071	19,979
1975	84	559	1,162	1,226	1,420	2,140	1,880	6,630	15,101	16,226
1976	77	497	1,102	1,327	1,547	2,423	1,975	7,064	16,012	18,190
1977	94	491	1,055	1,458	1,586	2,291	2,003	6,732	15,710	19,781
1978	72	445	1,039	1,479	949	1,603	1,543	5,628	12,758	20,194
1979	54	453	1,177	1,546	1,051	1,866	1,838	6,367	14,352	22,980
1980	72	415	1,101	1,525	994	1,728	1,677	5,993	13,505	24,686
1981	64	325	957	1,382	885	1,479	1,616	5,686	12,334	24,386
1982	(*)	246	821	1,141	740	1,125	1,406	4,671	10,150	21,499
1983		239	831	1,222	759	1,013	1,332	4,598	9,984	23,425
1984		203	837	1,065	669	960	1,230	4,175	9,139	23,116
1985		180	764	956	620	850	1,119	3,852	8,321	24,068
1986		160	667	967	560	738	940	3,330	7,361	21,983
1987		139	557	843	498	745	858	3,217	6,857	23,498
1988		121	562	800	477	800	827	3,100	6,687	24,626

<sup>1</sup> Total rail and truck receipts. Saleable receipts 1978 on.

<sup>2</sup> Rounded total of complete figures.

<sup>3</sup> The number of stockyards reporting varies from 41 to 68.

<sup>4</sup> Covers receipts at 14 packing plants and 30 concentration yards.

<sup>5</sup> Data no longer reported.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 410.—Hogs: Production, disposition, cash receipts, and gross income, by States, 1988 (preliminary)

State	Marketings <sup>1</sup>	Shipped in for feeding and breeding	Farm slaughter <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production <sup>4</sup>	Cash receipts from sales of hogs, pork, and lard <sup>5</sup>	Value of hogs slaughtered for home consumption	Gross income <sup>6</sup>
	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	516	16	4	107,634	44,278	46,689	699	47,388
AK.....	0 <sup>3</sup>	0	6	212	166	149	10	159
AZ.....	215	15	1	48,953	22,563	23,561	225	23,786
AR.....	976	10	3	223,879	89,025	86,548	521	87,069
CA.....	270	73	18	36,959	17,401	22,146	2,122	24,268
CO.....	342	10	1	78,859	35,143	34,973	210	35,183
CT.....	6.6	0	4	1,643	674	524	138	662
DE.....	111	5	1	18,458	7,812	9,622	181	9,803
FL.....	280	2	2	46,507	18,355	19,024	306	19,330
GA.....	1,879	74	8	435,648	179,854	178,266	1,560	179,826
HI.....	60	0	2	11,026	8,435	8,381	358	8,739
ID.....	117	2	3	28,611	11,466	10,420	1,158	11,578
IL.....	9,552	284	14	2,471,014	1,025,880	1,023,619	7,589	1,031,208
IN.....	7,219	225	8	1,644,640	684,921	716,587	1,204	717,791
IA.....	22,505	1,050	12	5,500,958	2,356,126	2,145,557	3,872	2,419,429
KY.....	2,493	195	2	619,586	253,529	260,196	1,453	261,649
LA.....	1,562	65	11	359,895	158,462	150,588	2,690	153,278
MA.....	87	3	4	22,100	7,654	4,621	2,443	7,064
ME.....	9.8	0	2.4	3,394	1,391	948	492	1,440
MD.....	365	17	5	62,243	27,022	30,858	710	31,568
MI.....	36	0	1.5	8,606	3,529	3,506	208	3,714
MN.....	1,998	38	7	454,515	188,214	193,744	1,739	195,483
MS.....	7,585	260	16	1,739,084	751,936	749,700	5,817	755,517
MO.....	405	7	8	91,552	38,480	39,393	1,233	40,626
MT.....	5,100	12	9	1,192,119	510,405	510,260	2,722	512,982
NE.....	369	7	4	84,620	30,948	30,633	516	31,149
NV.....	6,656	390	4	1,548,347	651,259	669,918	2,966	672,284
NH.....	27.8	1.4	2	5,563	1,850	1,903	31	1,934
NJ.....	9.4	0	1.2	2,826	831	1,625	256	1,155
NM.....	51	27.3	3	3,557	1,159	899	697	2,322
NY.....	52	1	1	9,952	4,223	4,545	119	4,664
NC.....	186	1	8	43,767	17,725	15,955	1,301	17,256
ND.....	4,532	253	22	1,059,125	443,021	444,162	4,410	448,572
OH.....	538	24	5	108,679	43,340	43,000	847	43,847
OK.....	3,591	206	13	892,097	371,284	376,575	3,184	379,759
OR.....	348	76	3	90,555	37,213	39,450	761	40,211
PA.....	186	0	2	44,739	19,730	19,263	582	19,845
PR.....	1,148	90	25	283,275	122,139	115,574	3,826	119,400
RI.....	4.1	0	4	1,334	547	441	64	505
SC.....	531	30	9	128,366	53,038	50,201	1,676	51,877
SD.....	2,960	35	6	754,046	321,797	310,584	1,838	312,422
TN.....	1,480	103	50	348,246	148,489	132,878	8,892	141,770
TX.....	873	19	4	236,658	97,449	99,144	885	100,029
UT.....	38.5	3	8	10,371	3,899	3,486	157	3,643
VT.....	8.9	0	2	3,139	1,287	1,029	320	1,349
VA.....	702	24	17	166,187	68,130	67,531	2,718	70,249
WA.....	89	0	3	21,629	8,717	7,925	764	8,689
WV.....	43.6	8	6	16,350	6,859	5,685	1,328	7,013
WI.....	2,308	12	6	547,441	225,902	226,892	1,726	228,618
WY.....	44.2	2	1	11,051	4,493	4,452	112	4,564
US.....	90,476	3,676	341	21,630,015	9,128,050	9,213,630	79,036	9,292,666

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

<sup>3</sup> Adjustments made for changes in inventory and for inshipments.

<sup>4</sup> Includes allowance for higher average price of State inshipments and outshipments of feeder pigs.

<sup>5</sup> Receipts from marketings and sale of farm-slaughter. Includes allowance for higher average price of State outshipments of feeder pigs.

<sup>6</sup> Cash receipts from sales of hogs, pork, and lard plus value of hogs slaughtered for home consumption.

National Agricultural Statistics Service.

Table 411.—Hogs: Number slaughtered, United States, 1974-88

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federally inspected	Other	Total <sup>1</sup>				Federally inspected	Other	Total <sup>1</sup>		
	Thousands	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands	Thousands
1974.....	77,071	4,691	81,762	1,321	83,083	1982.....	79,328	2,861	82,190	655	82,845
1975.....	64,926	3,761	68,687	1,193	69,880	1983.....	84,762	2,823	87,584	517	88,101
1976.....	70,454	3,330	73,784	1,181	74,965	1984.....	82,478	2,690	85,168	473	85,641
1977.....	74,019	3,285	77,303	1,144	78,447	1985.....	81,974	2,519	84,492	446	84,938
1978.....	74,139	3,176	77,315	1,086	78,401	1986.....	77,290	2,309	79,598	358	79,956
1979.....	85,425	3,674	89,099	1,070	90,169	1987.....	78,913	2,168	81,081	341	81,422
1980.....	91,882	4,192	96,074	1,100	97,174	1988.....	85,517	2,278	87,795	341	88,136
1981.....	87,851	3,724	91,575	895	92,470						

<sup>1</sup> Totals are based on unrounded numbers.  
National Agricultural Statistics Service.

Table 412.—Hogs: Number slaughtered commercially, total and average live weight, by States, 1988<sup>1</sup>

State	Number slaughtered	Total live weight	Average live weight	State	Number slaughtered	Total live weight	Average live weight
	Thousands	1,000 pounds	Pounds		Thousands	1,000 pounds	Pounds
AL.....	222.9	96,054	431	NV.....	2.4	502	209
AZ.....	18.0	4,293	239	N ENG <sup>2</sup> .....	52.3	12,026	230
AR.....	270.3	95,063	352	NJ.....	77.7	7,340	102
CA.....	2,137.0	485,263	227	NM.....	6.0	1,272	211
CO.....	152.5	35,420	232	NY.....	63.4	14,267	225
DE and MD.....	240.4	52,109	217	NC.....	2,861.3	671,631	235
FL.....	92.3	13,172	143	ND.....	81.0	17,443	215
GA.....	1,195.7	286,656	240	OH.....	3,008.4	753,762	251
HI.....	43.6	8,640	198	OK.....	149.2	48,753	327
ID.....	115.8	27,877	241	OR.....	176.2	42,837	243
IL.....	7,943.5	2,062,933	260	PA.....	1,678.5	392,414	234
IN.....	4,308.4	1,086,954	241	SC.....	630.9	147,292	233
IA.....	24,892.6	6,257,171	251	SD.....	4,004.8	1,053,110	263
KS.....	1,920.2	493,262	257	TN.....	2,007.3	547,301	273
KY.....	2,761.5	709,555	257	TX.....	924.1	249,325	270
LA.....	65.4	15,165	232	UT.....	261.5	62,736	240
MI.....	4,918.1	1,168,088	238	VA.....	4,815.2	1,142,118	237
MN.....	4,589.0	1,092,933	238	WA.....	18.2	4,281	235
MS.....	1,879.8	447,852	238	WV.....	24.6	8,188	374
MO.....	4,014.8	990,445	247	WI.....	283.4	106,772	377
MT.....	30.3	7,157	236	WY.....	7.9	1,998	252
NE.....	4,848.1	1,165,340	240	US.....	87,794.6	21,838,367	249

<sup>1</sup> Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Commercial slaughter not estimated in Alaska.

<sup>2</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

**Table 413.—Hogs: Number slaughtered, average dressed and live weights, Federally inspected and commercial, 1974-88 <sup>1</sup>**

Year	Federally inspected									Commercial		
	Barrows and gilts		Sows		Stags and boars		Total			All hogs and pigs		
	Number head	Avg. dressed weight	Number head	Avg. dressed weight	Number head	Avg. dressed weight	Number head	Avg. dressed weight <sup>2</sup>	Avg. live weight	Number head	Avg. dressed weight <sup>2</sup>	Avg. live weight
	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>
1974.....	71,048	.....	5,319	.....	704	.....	77,071	167	245	81,762	166	244
1975.....	60,709	.....	3,603	.....	614	.....	64,926	166	240	68,687	165	240
1976.....	66,512	.....	3,399	.....	548	.....	70,454	167	238	73,784	166	238
1977.....	69,191	163	4,055	282	783	237	74,019	170	237	77,303	170	237
1978.....	69,539	164	3,870	290	730	239	74,139	171	240	77,315	171	240
1979.....	79,744	164	4,798	295	888	234	85,425	172	242	89,099	172	242
1980.....	85,653	164	5,161	292	1,068	213	91,882	172	242	96,074	172	242
1981.....	82,206	165	4,609	292	1,036	206	87,851	173	243	91,575	173	243
1982.....	74,411	166	3,959	292	958	202	79,328	173	243	82,190	173	243
1983.....	79,322	166	4,496	293	944	205	84,762	173	243	87,584	173	243
1984.....	77,295	167	4,254	290	929	216	82,478	174	244	85,168	173	243
1985.....	77,232	169	3,894	300	847	212	81,973	175	245	84,492	175	245
1986.....	72,905	170	3,638	303	752	217	77,290	177	246	79,598	177	246
1987.....	74,807	171	3,411	306	695	206	78,913	177	248	81,081	177	247
1988.....	80,766	173	3,961	304	790	213	85,517	179	249	87,795	178	249

<sup>1</sup> All weights calculated using unrounded totals. Totals may not add due to rounding.

<sup>2</sup> 1974-76 shipper style, beginning 1977 packer style.

National Agricultural Statistics Service.

**Table 414.—Hogs and corn: Hog-corn price ratio and average price received by farmers for corn, North Central States and United States, 1974-88**

Year	Hog-corn price ratio <sup>1</sup>		Price of corn per bushel <sup>2</sup>		Year	Hog-corn price ratio <sup>1</sup>		Price of corn per bushel <sup>2</sup>	
	United States	North Central States	United States	North Central States		United States	North Central States	United States	North Central States
			<i>Dollars</i>	<i>Dollars</i>				<i>Dollars</i>	<i>Dollars</i>
1974.....	12.2	12.2	2.92	2.91	1982.....	23.0	22.5	2.37	2.36
1975.....	17.1	17.2	2.70	2.68	1983.....	15.8	16.7	2.99	2.97
1976.....	17.5	17.6	2.49	2.48	1984.....	15.4	15.4	3.05	3.08
1977.....	19.8	20.0	2.03	2.02	1985.....	17.6	17.8	2.49	2.47
1978.....	22.4	22.7	2.10	2.08	1986.....	26.1	( <sup>3</sup> )	1.96	( <sup>3</sup> )
1979.....	18.3	18.5	2.36	2.33	1987.....	33.6	( <sup>3</sup> )	1.56	( <sup>3</sup> )
1980.....	14.4	14.6	2.70	2.68	1988.....	19.3	( <sup>3</sup> )	2.21	( <sup>3</sup> )
1981.....	14.9	15.0	2.92	2.90					

<sup>1</sup> Number of bushels of corn required to buy 100 pounds of live hogs at local markets, based on average prices received by farmers for hogs and corn. Annual average is a simple average of monthly ratios, December through November.

<sup>2</sup> Average of entire month prices.

<sup>3</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 415.—Hogs: Average weight and cost of packer and shipper purchases, by classes, at Omaha, and at 7 markets combined, 1974-88**

Year	Omaha					Seven markets <sup>1</sup>				
	Barrows and gilts		Sows		Number of sows as percentage of all purchases	Barrows and gilts		Sows		Number of sows as percentage of all purchases
	Average live weight	Average cost per cwt.	Average live weight	Average cost per cwt.		Average live weight	Average cost per cwt.	Average live weight	Average cost per cwt.	
	<i>Pounds</i>	<i>Dollars</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Percent</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Percent</i>
1974.....	245	34.65	447	29.78	14	241	35.12	436	29.92	11
1975.....	241	47.93	449	43.67	12	238	48.32	448	43.65	9
1976.....	240	42.60	457	36.09	13	236	43.11	457	35.92	10
1977.....	237	40.65	459	36.20	14	234	41.07	454	36.01	10
1978.....	239	48.29	460	43.36	15	237	48.49	459	43.23	11
1979.....	241	41.56	450	36.65	18	237	42.06	452	35.43	12
1980.....	241	39.08	452	36.04	19	237	39.48	447	36.01	12
1981.....	243	43.87	458	40.40	17	238	44.05	454	40.27	11
1982.....	244	54.87	454	49.66	19	240	55.07	458	49.59	12
1983.....	240	47.32	444	40.55	20	239	47.33	455	40.68	13
1984.....	239	48.53	448	43.04	19	239	48.69	451	43.29	14
1985.....	244	44.47	473	39.57	15	241	44.50	466	39.41	13
1986.....	244	50.30	480	45.49	17	242	50.59	469	45.58	13
1987.....	252	50.88	480	44.11	21	246	51.04	473	44.08	14
1988.....	252	42.98	486	33.65	25	249	43.25	477	33.38	16

<sup>1</sup> Includes Indianapolis, Kansas City, Omaha, National Stock Yards, Sioux City, South St. Joseph, and South St. Paul. Prior to 1970, included Chicago. Agricultural Marketing Service.

**Table 416.—Pork cuts (less than carlots): Wholesale price per 100 pounds, New York, 1974-88**

Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, smoked, skinned, 14- to 17-lb. average <sup>1</sup>	Bacon, smoked, slab, 8- to 12-lb. average	Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, smoked, skinned, 14- to 17-lb. average <sup>1</sup>	Bacon, smoked, slab, 8- to 12-lb. average
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1974.....	78.56	61.98	.....	.....	1982.....	111.51	91.12	91.47	.....
1975.....	99.28	86.44	89.15	.....	1983.....	115.91	96.07	95.54	.....
1976.....	97.68	81.13	91.06	.....	1984.....	115.81	96.85	99.57	.....
1977.....	95.25	75.98	89.08	.....	1985.....	113.59	90.02	92.90	.....
1978.....	109.15	71.77	99.63	.....	1986.....	104.78	80.11	91.61	.....
1979.....	107.65	94.13	94.38	.....	1987.....	126.51	102.72	105.15	.....
1980.....	101.14	87.46	88.99	.....	1988.....	118.79	92.33	96.52	.....
1981.....	113.70	97.56	95.55	.....					

<sup>1</sup> Delete word "smoked" after 1974.

Agricultural Marketing Service.



**Table 417.—Lard, including rendered pork fat: Stocks Jan. 1, production, trade, and disappearance, United States, 1974-88**

Year	Supply						Disposition			
	Production				Stocks Jan. 1 <sup>1</sup>	Total <sup>2</sup>	Ex-ports <sup>3</sup>	Domestic disappearance		
	Federal-ly inspected	Other commercial	Farm	Total				Total	Direct use	
					Million pounds	Million pounds	Million pounds		Million pounds	Million pounds
1974	1,289	55	22	1,366	44	1,410	182	1,192	681	3.2
1975	956	39	17	1,012	36	1,048	88	932	633	3.0
1976	1,010	34	17	1,060	28	1,088	181	873	585	2.7
1977	994	27	16	1,038	34	1,072	182	861	510	2.3
1978	968	23	15	1,006	29	1,035	120	881	486	2.2
1979	1,109	32	14	1,129	38	1,167	96	1,021	569	2.5
1980	1,173	30	14	1,207	50	1,257	92	1,116	588	2.6
1981	1,131	24	12	1,159	49	1,207	149	1,031	573	2.5
1982	892	18	9	1,011	37	1,048	103	1,008	586	2.5
1983	952	20	7	973	37	1,010	89	888	487	2.1
1984	911	17	6	939	34	973	89	846	491	2.1
1985	906	17	6	927	39	966	105	826	425	1.8
1986	855	14	5	876	35	911	104	785	417	1.7
1987	844	13	5	863	22	885	107	745	440	1.8
1988 <sup>3</sup>			5	938	33	971	127	801	436	1.8

<sup>1</sup> Factory and warehouse stocks as reported by the Bureau of the Census.<sup>2</sup> Includes imports, which were less than 500,000 pounds.<sup>3</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce and the U.S. Department of Agriculture. Totals and per capita estimates computed from unrounded numbers.

**Table 418.—Lard, including rendered pork fat: United States exports by country of destination, 1985-88**

Continent and country	1985	1986	1987	1988 <sup>1</sup>	Continent and country	1985	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:					Europe:				
Belize	877	1,287	897	1,704	Belgium and Luxembourg	0	34	267	0
Canada	5,637	2,386	2,536	4,478	United Kingdom	1	0	0	4
Haiti	3,481	2,021	612	723	Other countries	1,276	21	622	6
Mexico	35,557	41,603	43,017	49,405	Total	1,277	55	890	10
Netherlands Antilles	91	101	50	97	Africa	23	44	6	2
Panama	5	5	58	20	Asia	38	50	4	1,009
Other countries	185	134	82	11	Oceania	1	0	0	0
Total	45,838	47,537	47,252	56,438	Grand total <sup>2</sup>	47,414	47,827	48,239	57,623
South America:									
Bolivia	100	0	0	0					
Colombia	82	45	35	51					
Other countries	61	94	52	113					
Total	243	140	87	164					

<sup>1</sup> Preliminary.<sup>2</sup> May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 419.—Sheep and lambs: Number and value, United States, Jan. 1, 1974-89

Year	Number	Value		Year	Number	Value	
		Per head	Total			Per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	16,310	32.80	534,766	1982.....	12,997	57.10	742,139
1975.....	14,515	30.50	442,491	1983.....	12,140	51.80	628,599
1976.....	13,311	37.30	496,281	1984.....	11,487	52.10	598,904
1977.....	12,722	42.50	540,158	1985.....	10,443	61.10	637,873
1978.....	12,421	51.60	641,476	1986.....	9,983	67.40	673,048
1979.....	12,365	72.10	890,970	1987.....	10,334	75.70	782,108
1980.....	12,699	78.20	993,093	1988.....	10,784	90.00	970,484
1981.....	12,947	69.90	904,303	1989 <sup>1</sup> .....	10,802	82.40	889,765

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 420.—Sheep and lambs: Number, by classes, United States, Jan. 1, 1974-89

Year	All sheep and lambs	Sheep and lambs on feed	Stock sheep				
			Total	Lambs		1 year and over	
				Ewes	Wethers and rams	Ewes	Wethers and rams
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974.....	16,310	2,625	13,685	1,804	359	11,058	464
1975.....	14,515	2,079	12,436	1,510	404	10,083	437
1976.....	13,311	1,884	11,427	1,345	350	9,314	418
1977.....	12,722	1,731	10,991	1,401	379	8,850	361
1978.....	12,421	1,623	10,798	1,508	328	8,588	374
1979.....	12,365	1,579	10,786	1,684	356	8,366	380
1980.....	12,699	1,622	11,077	1,810	368	8,533	366
1981.....	12,947	1,649	11,298	1,790	358	8,780	371
1982.....	12,997	1,564	11,433	1,810	423	8,811	389
1983.....	12,140	1,661	10,479	1,420	343	8,343	374
1984.....	11,487	1,718	9,769	1,237	318	7,874	340
1985.....	10,443	1,596	8,847	1,016	284	7,233	314
1986.....	9,983	1,492	8,491	1,048	318	6,817	310
1987.....	10,334	1,508	8,826	1,296	363	6,847	320
1988.....	10,784	1,644	9,141	1,282	332	7,192	335
1989 <sup>1</sup> .....	10,802	1,613	9,186	1,338	345	7,173	330

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 421.—Stock sheep: Number, by classes, by States, Jan. 1, 1988 and 1989

State	Lambs				One year and over			
	Ewes		Wethers and rams		Ewes		Wethers and rams	
	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
AK.....	0.3	0.4	0.2	0.2	1.2	1.4	0.7	0.7
AZ.....	28	26	17	19	180	185	12	9
CA.....	75	100	15	24	685	632	25	24
CO.....	53	64	11	13	320	355	11	13
CT.....	1.2	1.4	.5	.6	5.8	5.8	.5	.6
ID.....	48	46	4.0	5.0	247	220	6.0	6.0
IL.....	17	19	5.0	4.0	94	98	6.0	5.0
IN.....	10	11	2.0	2.0	57	68	4.0	5.0
IA.....	41	48	5.0	5.0	277	285	12	12
KS.....	12	16	4.0	5.0	150	135	6.0	8.0
KY.....	3.3	4	2.0	1.5	27	25	1.7	1.5
LA.....	1.8	2.1	.9	1.1	12	12	1.3	1.8
ME.....	2.3	1.9	1.8	1.2	12	11	.9	.9
MD.....	6.0	7.0	3.9	2.0	22	23	3.0	3.0
MA.....	2.0	2.3	1.8	1.1	9.2	9.7	1.0	.9
MI.....	11	10	3.0	3.0	67	72	3.0	4.0
MIN.....	36	40	7.0	7.0	135	170	7.0	8.0
MO.....	10	14	2.0	3.0	76	87	4.0	5.0
MT.....	106	105	5.0	9.0	350	410	12	14
NE.....	20	15	5.0	3.0	105	97	5.0	4.0
NV.....	13	12	1.0	1.0	78	70	2.0	2.0
NH.....	1.7	1.7	1.7	.8	8.0	7.6	.6	.9
NJ.....	3.2	2.2	1.5	2.5	9.0	9.0	1.3	1.3
NM.....	63	70	9.0	10	367	384	20	21
NY.....	12	14	7.0	13	42	52	2.0	2.0
NC.....	2.0	2.0	.5	.6	9.9	9.5	.6	.9
ND.....	20	22	3.0	5.0	114	111	5.0	5.0
OH.....	27	24	5.0	4.0	170	165	8.0	7.0
OK.....	12	14	7.0	7.0	78	94	3.0	5.0
OR.....	45	42	12	14	320	280	13	14
PA.....	19	22	8.0	11	76	91	7.0	10
SD.....	65	70	9.0	8.0	453	430	13	12
TN.....	1.7	.8	.7	.3	8.9	8.1	.7	.8
TX.....	290	270	120	110	1,310	1,280	80	70
UT.....	52	57	6.0	6.0	390	405	12	12
VT.....	2.5	2.8	1.1	2.2	9.7	11.3	.7	.7
VA.....	9.0	12	2.0	3.0	92	95	5.0	5.0
WA.....	12	14	4.0	5.0	54	51	2.0	4.0
WV.....	10	10	11	7.0	67	62	3.0	3.0
WI.....	10	11	2.0	2.0	53	60	3.0	3.0
WY.....	122	125	20	17	580	555	28	23
9 other States <sup>2</sup> .....	6.0	6.0	5.0	6.0	40.0	41.0	3.0	4.0
US.....	1,282.0	1,387.6	331.7	345.1	7,191.7	7,173.4	335.0	338.0

<sup>1</sup> Preliminary.<sup>2</sup> Includes AL, AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 422.—Sheep and lambs: Number of stock sheep and sheep on feed, by States, Jan. 1, 1987-89

State	Stock sheep			Sheep on feed <sup>2</sup>		
	1987	1988	1989 <sup>1</sup>	1987	1988	1989 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AK.....	2.4	2.4	2.7			
AZ.....	219	237	239	64	47	45
CA.....	795	800	780	185	190	160
CO.....	380	395	445	310	360	380
CT.....	8.8	8.0	8.4			
ID.....	299	305	277	15	19	10
IL.....	109	122	126	10	13	14
IN.....	82	73	86	9.0	7.0	9.0
IA.....	310	335	350	65	70	65
KS.....	166	172	164	70	105	98
KY.....	32	34	32			
LA.....	16	16	17			
ME.....	18	17	15			
MD.....	25	34	35			
MA.....	14	14	14			
MI.....	85	84	89	21	21	26
MN.....	165	185	225	72	73	38
MO.....	102	92	109	8.0	11	16
MT.....	500	503	538	23	27	30
NE.....	120	135	119	53	45	50
NV.....	86	94	85		2.0	2.0
NH.....	12	12	11			
NJ.....	14	15	15			
NM.....	450	459	485	30	30	31
NY.....	64	63	81			
NC.....	13	13	13			
ND.....	160	142	143	25	27	21
OH.....	245	210	200	55	60	46
OK.....	80	100	120	25	24	16
OR.....	320	390	350	95	100	125
PA.....	104	110	134			
SD.....	550	540	520	55	70	70
TN.....	13	12	10			
TX.....	1,780	1,800	1,730	150	160	170
UT.....	440	460	480	24	18	23
VT.....	16	14	17			
VA.....	116	108	115	52	40	43
WA.....	59	72	74			
WV.....	90	91	82			
WI.....	76	68	76	7.0	10	8
WY.....	690	750	720	85	115	117
9 other States <sup>3</sup> .....		54.0	57.0			
US.....	8,826.2	9,140.4	9,189.1	1,508.0	1,644.0	1,613.0

<sup>1</sup> Preliminary.

<sup>2</sup> Sheep and lambs on feed are animals being fattened for slaughter market on grain, other concentrates, or succulent pastures, and are expected to produce a carcass that will grade Good or better.

<sup>3</sup> Includes AL, AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 423.—Sheep: Number in specified countries, 1987-89 <sup>1</sup>

Continent and country	1987	1988	1989 <sup>2</sup>	Continent and country	1987	1988	1989 <sup>2</sup>
	<i>Thou- sand head</i>	<i>Thou- sand head</i>	<i>Thou- sand head</i>		<i>Thou- sand head</i>	<i>Thou- sand head</i>	<i>Thou- sand head</i>
North America:				Europe—Con.			
United States <sup>3</sup> .....	10,334	10,784	10,802	Hungary .....	2,337	2,336	2,216
Total .....	10,334	10,784	10,802	Poland .....	4,300	4,075	3,852
South America:				Romania .....	18,762	18,900	19,400
Argentina .....	28,998	29,202	29,345	Yugoslavia .....	7,819	7,824	7,564
Uruguay .....	25,707	27,365	28,420	Total Eastern Europe .....	46,515	45,764	45,453
Total .....	54,705	56,567	57,765	Soviet Union .....	142,210	140,783	140,684
Europe:				Africa:			
Belgium-Luxembourg .....	149	160	164	Egypt .....	1,550	1,650	1,719
Denmark .....	70	73	86	South Africa .....	29,753	29,640	30,935
France .....	10,580	10,360	10,150	Total .....	31,303	31,290	32,654
Germany, Fed. Rep. of .....	1,383	1,414	1,430	Asia and Mideast:			
Greece .....	10,000	10,512	10,694	India .....	55,482	51,684	53,486
Ireland .....	2,917	4,301	4,991	Turkey .....	43,500	40,000	34,850
Italy .....	11,451	11,450	11,453	Total .....	98,982	91,684	88,336
Netherlands .....	985	1,169	1,200	Oceania:			
Portugal .....	3,118	3,180	3,187	Australia .....	158,800	162,500	174,000
Spain .....	17,600	20,310	22,544	New Zealand .....	69,204	64,244	64,600
United Kingdom .....	25,976	27,820	29,045	Total .....	228,004	226,744	238,600
Total Western Europe .....	84,229	90,749	94,944	Total selected countries .....	696,282	694,365	709,238
Bulgaria .....	9,563	8,886	8,700	China <sup>4</sup> .....	166,220	180,340	201,530
Czechoslovakia .....	1,087	1,087	1,087	Total .....	862,502	874,705	910,768
German Dem. Rep. ....	2,647	2,656	2,634				

<sup>1</sup> Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible.

<sup>2</sup> Preliminary.

<sup>3</sup> 50 States.

<sup>4</sup> Includes goats in China.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 424.—Lamb crop: Number of lambs as percentage of ewes one year old and older, by States, 1986-88 <sup>1</sup>

State	1986		1987		1988 <sup>2</sup>	
	Number	Lamb crop as percent of ewes one year old and over, Jan. 1	Number	Lamb crop as percent of ewes one year old and over, Jan. 1	Number	Lamb crop as percent of ewes one year old and over, Jan. 1
	Thousands	Percent	Thousands	Percent	Thousands	Percent
AK.....	0.7	47	0.7	54	0.7	58
AZ.....	112	70	100	69	125	69
CA.....	630	87	625	91	590	86
CO.....	350	119	330	110	360	113
CT.....	9.4	147	8.5	142	8.4	145
ID.....	301	120	290	118	280	113
IL.....	103	134	96	122	115	122
IN.....	85	116	75	119	75	132
IA.....	330	144	330	129	350	126
KS.....	160	120	155	107	140	93
KY.....	23	105	27	113	27	100
LA.....	13	213	12	100	12	100
ME.....	17	131	15	115	14	117
MD.....	16	114	21	131	22	100
MA.....	11	157	11	116	11	120
MI.....	90	127	90	132	90	134
MN.....	195	163	170	131	175	130
MO.....	108	150	100	125	100	132
MT.....	450	122	440	119	460	121
NE.....	120	150	115	122	110	105
NV.....	73	112	80	116	74	95
NH.....	12	150	11	128	10	125
NJ.....	10	130	11	134	11	122
NM.....	300	85	275	80	300	82
NY.....	50	125	48	120	55	131
NC.....	9.0	127	11	118	10	101
ND.....	165	138	150	125	141	124
OH.....	230	124	205	103	195	115
OK.....	80	146	61	102	80	103
OR.....	290	106	320	125	320	100
PA.....	79	116	75	103	85	112
SD.....	525	127	510	118	500	110
TN.....	7.7	100	8.5	98	7.0	79
TX.....	1,130	90	1,130	87	950	73
UT.....	400	100	380	101	380	97
VT.....	15	167	13	118	15	155
VA.....	120	136	115	117	118	128
WA.....	58	132	58	132	65	120
WV.....	80	133	77	113	72	107
WI.....	78	150	78	147	75	142
WY.....	520	91	515	97	550	95
9 Other States <sup>3</sup> .....			47.0	118	45.0	113
US.....	7,355.8	108	7,189.7	106	7,123.1	99

<sup>1</sup> Lamb crop defined as lambs born in the native States and lambs docked or branded in the Western States.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes AL, AR, DE, FL, GA, HI, MS, RI and SC.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 439

<sup>1</sup> Includes shearing at commercial feeding yards.

<sup>2</sup> For Texas and California, the weight per fleece is the amount of wool shorn per sheep and lamb during the year.

<sup>3</sup> Production multiplied by annual average price.

<sup>4</sup> Preliminary.

<sup>5</sup> Price per pound calculated by weighting monthly prices by monthly sales of wool for footnoted States. The prices for remaining States are annual averages.

<sup>6</sup> U.S. average price per pound derived using unrounded value and production.

<sup>7</sup> Includes AL, AR, DE, FL, HI, GA, MS, RI, and SC.

National Agricultural Statistics Service.

Table 425.—Sheep and lambs: Production, disposition, cash receipts, and gross income, United States, 1974-88

Year	Lamb crop <sup>1</sup>	Marketings <sup>2</sup>		Inshipments	Farm slaughter	Quantity produced (live weight) <sup>3</sup>
		Sheep	Lambs			
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 pounds
1974.....	10,509	2,172	9,888	2,629	217	806,755
1975.....	9,857	1,812	9,089	2,349	212	785,394
1976.....	8,888	1,495	8,120	2,469	202	733,026
1977.....	8,573	1,450	7,361	2,148	198	706,395
1978.....	7,927	1,439	6,529	2,148	174	686,869
1979.....	7,974	1,347	6,336	2,143	172	704,593
1980.....	8,257	1,395	6,743	2,216	166	746,343
1981.....	8,820	1,510	7,103	1,885	189	772,382
1982.....	8,580	2,124	7,358	2,115	195	785,425
1983.....	8,209	1,820	7,104	1,838	171	767,553
1984.....	7,788	1,821	7,007	1,859	141	694,116
1985.....	7,412	1,569	6,478	1,693	135	694,217
1986.....	7,356	1,310	6,084	1,792	128	721,464
1987.....	7,190	1,232	6,024	1,814	113	728,863
1988 *.....	7,123	1,397	5,937	1,531	99	703,249

  

Year	Value of production	Cash receipts for sales of sheep, lambs, and mutton and lamb <sup>4</sup>	Value of sheep and lambs slaughtered for home consumption	Gross income <sup>6</sup>	Average price per 100 pounds received by farmers	
					Sheep	Lambs
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Dollars	Dollars
1974.....	272,048	368,747	7,870	376,617	11.20	37.00
1975.....	303,328	385,804	8,470	394,274	11.30	42.10
1976.....	315,581	393,101	9,173	402,274	13.10	46.90
1977.....	320,323	386,372	9,866	396,238	13.50	51.30
1978.....	381,621	452,935	11,223	464,158	21.80	62.80
1979.....	406,766	470,387	11,774	482,161	26.30	66.70
1980.....	402,689	470,782	11,636	482,418	21.30	63.60
1981.....	359,085	416,081	12,334	428,415	21.20	54.90
1982.....	355,703	445,134	13,000	458,134	19.50	53.10
1983.....	356,690	426,356	10,599	436,955	15.70	53.90
1984.....	376,512	466,528	11,129	477,657	16.40	60.10
1985.....	427,805	503,202	12,768	515,970	23.90	67.70
1986.....	443,899	483,768	12,709	496,477	25.60	69.00
1987.....	489,109	546,079	13,112	559,191	29.50	77.60
1988 *.....	418,550	473,423	10,633	484,056	25.60	69.10

<sup>1</sup> Lamb crop defined as lambs born in the native States, plus lambs docked or branded in the Western States for the period Oct. 1 through Sept. 30. <sup>2</sup> Includes animals custom slaughtered for use on farms where produced, but excludes interfarm sales within the State. <sup>3</sup> Adjustments made for changes in inventory and for inshipments. <sup>4</sup> Preliminary. <sup>5</sup> Receipts from marketings and sale of farm-slaughtered meat. <sup>6</sup> Cash receipts from sales of sheep, lambs, and mutton and lamb plus value of sheep and lambs slaughtered for home consumption.

National Agricultural Statistics Service.

Table 426.—Sheep and lambs: Average price per 100 pounds at San Angelo, 1974-88 <sup>1</sup>

Year	Sheep			Slaughter lambs			
	Good	Utility	Cull	Shorn		Spring	
				Prime	Choice	Prime	Choice
1974.....	15.40	13.16	10.81	40.80	40.06	43.12	40.98
1975.....	15.34	13.08	10.80	45.80	44.69	47.75	45.10
1976.....	17.69	14.56	11.40	50.20	49.81	54.74	53.27
1977.....	19.12	15.92	12.73	52.22	53.54	56.46	54.68
1978.....	23.39	23.85	19.18	.....	65.56	74.82	71.19
1979.....	30.20	27.48	22.68	.....	69.35	.....	73.55
1980.....	24.16	20.02	16.14	.....	64.41	70.50	68.18
1981.....	26.26	22.25	17.98	.....	56.73	.....	64.42
1982.....	21.80	17.80	13.77	.....	57.12	.....	64.25
1983.....	16.85	13.61	10.56	.....	56.47	.....	60.70
1984.....	20.04	15.58	11.49	.....	61.30	.....	62.84
1985.....	34.02	28.87	21.61	66.88	68.06	71.47	71.90
1986.....	35.10	28.20	20.44	66.95	66.95	73.06	73.06
1987.....	38.62	31.23	23.87	77.36	77.36	82.64	82.52
1988.....	38.88	31.30	22.98	70.84	70.52	66.71	66.71

See footnotes on page 290.

Table 427.—Sheep and lambs: Production, disposition, cash receipts, and gross income, by States, 1988 (preliminary)

State	Marketings <sup>1</sup>		Shipped in	Slaughter on farms <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production	Cash receipts from sales of sheep, lambs, and mutton and lamb <sup>4</sup>	Value of sheep and lambs slaughtered for home consumption	Gross income <sup>5</sup>
	Sheep	Lambs							
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AK.....	0	0.1	0.2	0.2	52	26	15	4	19
AZ.....	49	135	93	13	12,525	9,003	12,464	660	13,124
CA.....	41	745	231	10	73,509	53,091	66,547	990	67,537
CO.....	69	517	345	4	55,244	34,056	44,859	377	45,236
CT.....	1.2	4.9	0	.3	638	490	387	72	459
ID.....	71	240	30	3	28,001	15,703	17,177	1,021	18,198
IL.....	18	93	24	3	10,620	6,001	6,150	685	6,835
IN.....	7	53	10	1	7,210	3,696	3,287	100	3,387
IA.....	10	336	69	1	35,511	22,165	25,010	63	25,073
KS.....	30	160	60	1	16,371	10,542	13,090	256	13,346
KY.....	10	18	5.5	.5	2,588	1,472	1,587	72	1,659
LA.....	.8	5.5	0	2.1	455	360	247	165	412
ME.....	4.7	9.1	0	.6	1,179	752	729	146	875
MD.....	7	12	3	1	1,914	934	936	128	1,064
MA.....	2.9	6.1	0	.3	901	583	521	86	607
MI.....	4	60	2	1	8,647	5,082	4,565	218	4,783
MN.....	10	164.5	38	1.5	20,466	11,224	12,891	302	13,193
MO.....	2	64.2	6	.8	8,379	4,762	3,865	124	3,989
MT.....	45	304.2	26	1.8	36,237	19,940	19,302	226	19,528
NE.....	44	144	95	1	12,106	6,677	10,890	114	11,004
NV.....	15	43	4	3	5,481	2,641	2,943	125	3,068
NH.....	2.9	5.4	0	.4	691	394	414	60	474
NJ.....	.7	12.3	4.3	.3	845	652	806	99	905
NM.....	55	180	66	21	20,680	12,974	12,964	1,513	14,477
NY.....	8	25	8	1	4,800	2,692	1,881	129	2,010
NC.....	1.6	5.1	0	.5	631	299	274	20	294
ND.....	25	114	15	1	12,717	7,436	8,024	149	8,173
OH.....	52.5	134.5	2	1	17,336	9,383	10,623	79	10,702
OK.....	4	67	22	2	7,605	4,185	4,517	191	4,708
OR.....	76	212	0	2	30,675	17,477	16,902	358	17,260
PA.....	6	42	5	2	7,791	4,212	3,183	282	3,465
SD.....	85	398	46	3	50,964	32,916	35,149	311	35,460
TN.....	5.4	7.2	5.8	.2	425	311	558	8	566
TX.....	374	634	160	2	94,768	54,412	64,638	339	64,977
UT.....	22	281	10	5	31,010	17,038	16,109	387	16,496
VT.....	1.7	8.2	0	.5	1,349	909	641	81	722
VA.....	25	66	4	1	11,583	5,750	5,442	150	5,592
WA.....	6	55	8	1	6,399	3,715	3,920	114	4,034
WV.....	18	49	0	1	5,600	2,914	3,167	114	3,281
WI.....	3	57	2	0	7,630	4,345	4,276	0	4,276
WY.....	179	441	131	3	47,733	25,000	30,344	244	30,588
Other <sup>6</sup>	5	29	0	1	3,985	2,338	2,131	68	2,199
US.....	1,397	5,937	1,531	99	703,249	418,550	473,423	10,633	484,056

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

<sup>3</sup> Adjustments made for changes in inventory and for shipments.

<sup>4</sup> Receipts from marketings and sale of farm-slaughter.

<sup>5</sup> Cash receipts from sales of sheep, lambs, and mutton and lamb plus value of sheep and lambs slaughtered for home consumption.

<sup>6</sup> Includes AL, AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 426

<sup>1</sup> Simple average of monthly bulk-of-sales prices from data of the livestock reporting service. Agricultural Marketing Service.



Table 428.—Sheep and lambs: Receipts at selected public stockyards, 1974-88 <sup>1</sup>

Year	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting <sup>2 3</sup>
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1974.....	10	29	88	35	52	254	98	1,679	2,245
1975.....	7	22	81	29	41	247	81	1,394	1,902
1976.....	5	19	76	28	36	218	55	1,325	1,707
1977.....	4	14	73	25	36	165	47	1,247	1,611
1978.....	2	12	51	22	19	126	29	993	1,254
1979.....	1	14	54	18	20	126	23	1,037	1,293
1980.....	1	21	52	16	20	146	24	1,034	1,314
1981.....	1	20	44	17	17	146	25	1,033	1,303
1982.....	(*)	21	33	21	18	137	24	1,176	1,430
1983.....		17	24	22	21	131	18	1,072	1,305
1984.....		15	21	22	19	116	12	1,093	1,298
1985.....		12	15	18	13	105	8	794	965
1986.....		8	14	15	9	87	10	738	881
1987.....		5	13	14	7	74	18	767	898
1988.....		4	13	15	3	75	19	888	1,017

<sup>1</sup> Total rail and truck receipts unloaded at public stockyards. Saleable receipts only, 1978.<sup>2</sup> Rounded totals of complete figures.<sup>3</sup> The number of stockyards reporting varies from 41 to 68.<sup>4</sup> Data no longer reported.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 429.—Sheep and lambs: Number slaughtered commercially, total and average live weight, by States, 1988 <sup>1</sup>

State	Number slaughtered	Total live weight	Average live weight	State	Number slaughtered	Total live weight	Average live weight
	Thousands	1,000 pounds	Pounds		Thousands	1,000 pounds	Pounds
AL.....	0.2	17	83	N ENG <sup>2</sup> .....	32.2	3,200	99
AZ.....	1.4	164	121	NJ.....	43.7	4,560	104
AR.....	.9	88	96	NM.....	103.7	12,193	118
CA.....	785.4	98,834	126	NY.....	96.8	9,030	93
CO.....	1,279.1	171,273	134	NC.....	.7	65	91
DE and MD.....	19.4	2,063	107	ND.....	.9	121	127
FL.....	1.2	93	78	OH.....	25.2	2,605	103
GA.....	1.0	98	102	OK.....	2.2	260	119
HI.....	1.6	157	98	OR.....	7.4	848	114
ID.....	4.6	524	115	PA.....	100.9	10,870	108
IL.....	318.8	39,166	123	SC.....	.2	25	100
IN.....	12.6	1,350	107	SD.....	3.4	426	124
IA.....	566.3	71,210	126	TN.....	1.1	108	97
KS.....	435.8	55,678	128	TX.....	542.4	61,600	114
KY.....	11.1	1,365	123	UT.....	23.4	2,795	119
LA.....	5.5	557	101	VA.....	11.4	1,133	99
MI.....	256.9	29,809	116	WA.....	163.5	19,345	118
MN.....	395.4	47,949	121	WV.....	.7	82	113
MO.....	15.1	1,641	109	WI.....	9.0	1,015	113
MT.....	2.6	324	123	WY.....	4.4	500	113
NE.....	2.5	294	117	US.....	5,238.0	653,710	124
NV.....	2.3	276	120				

<sup>1</sup> Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms.<sup>2</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

Table 430.—Sheep and lambs: Number slaughtered, United States, 1974–88

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federal-ly inspected	Other	Total <sup>1</sup>				Federal-ly inspected	Other	Total <sup>1</sup>		
	Thousands	Thousands	Thousands				Thousands	Thousands	Thousands		
1974.....	8,556	291	8,847	217	9,064	1982.....	6,273	175	6,449	195	6,644
1975.....	7,552	283	7,835	212	8,047	1983.....	6,412	207	6,619	171	6,790
1976.....	6,474	240	6,714	202	6,916	1984.....	6,549	210	6,759	141	6,900
1977.....	6,133	223	6,356	198	6,554	1985.....	5,976	189	6,165	135	6,300
1978.....	5,169	200	5,369	174	5,543	1986.....	5,464	171	5,635	127	5,762
1979.....	4,833	184	5,017	172	5,189	1987.....	5,042	158	5,200	112	5,312
1980.....	5,363	216	5,579	166	5,745	1988.....	5,122	171	5,293	99	5,392
1981.....	5,789	219	6,008	189	6,197						

<sup>1</sup> Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 431.—Sheep and lambs: Number slaughtered, average dressed and live weights, percentage distribution, by class, Federally inspected and commercial, 1974–88 <sup>1</sup>

Year	Federally inspected									Commercial		
	Lambs and yearlings			Mature sheep			Total			All sheep and lambs		
	Number head	Pct. of total	Avg. dressed weight	Number head	Pct. of total	Avg. dressed weight	Number head	Avg. dressed weight	Avg. live weight	Number head	Avg. dressed weight	Avg. live weight
Thousands	Per cent	Pounds	Thousands	Per cent	Pounds	Thousands	Pounds	Pounds	Thousands	Pounds	Pounds	
1974.....	7,987	93.3	.....	569	6.7	.....	8,556	52	105	8,847	52	105
1975.....	6,993	92.6	.....	558	7.4	.....	7,552	51	109	7,835	51	104
1976.....	6,058	93.6	.....	416	6.4	.....	6,474	54	108	6,714	54	109
1977.....	5,643	92.0	54	489	8.0	55	6,133	54	108	6,356	54	108
1978.....	4,810	93.1	57	359	6.9	56	5,169	56	113	5,369	56	112
1979.....	4,499	93.1	57	334	6.9	55	4,833	57	114	5,017	57	114
1980.....	4,970	92.7	56	393	7.3	53	5,363	56	112	5,579	56	112
1981.....	5,388	93.1	55	401	6.9	53	5,789	55	110	6,008	54	110
1982.....	5,820	92.8	56	454	7.2	53	6,273	56	111	6,449	56	111
1983.....	5,933	92.5	56	479	7.5	54	6,412	56	113	6,619	56	112
1984.....	6,035	92.2	56	513	7.8	54	6,549	56	111	6,759	56	111
1985.....	5,578	93.3	58	399	6.7	56	5,976	57	115	6,165	57	114
1986.....	5,154	94.3	59	310	5.7	57	5,464	59	118	5,635	59	117
1987.....	4,771	94.6	60	271	5.4	59	5,042	60	120	5,200	60	119
1988.....	4,829	94.3	63	293	5.7	59	5,122	59	100	5,293	63	124

<sup>1</sup> All percents and weights calculated using unrounded totals.

National Agricultural Statistics Service.

Table 432.—Livestock: Average price per 100 pounds received by farmers, by States, 1987 and 1988

State	Cows <sup>1</sup>		Steers and heifers		Beef cattle <sup>2</sup>		Calves	
	1987	1988	1987	1988	1987	1988	1987	1988
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	42.20	46.20	62.80	70.70	53.30	60.30	74.40	84.60
AK.....	55.00	51.00	69.00	73.00	66.20	63.00	73.00	74.00
AZ.....	42.60	45.20	64.60	69.80	61.00	65.80	74.90	87.30
AR.....	42.90	46.10	67.90	75.90	55.30	60.40	78.10	88.60
CA.....	44.00	46.70	64.50	70.40	56.30	61.80	71.60	82.70
CO.....	45.90	49.10	67.40	72.50	66.00	70.90	82.50	93.20
CT.....	43.00	45.00	52.00	60.00	50.00	57.00	63.00	71.00
DE.....	43.30	48.60	60.10	68.30	54.20	61.40	67.80	78.20
FL.....	42.70	47.80	62.70	70.70	47.60	52.60	79.20	91.80
GA.....	42.40	46.90	61.20	70.20	51.10	57.80	71.70	83.40
HI.....	30.60	33.20	46.70	49.20	43.50	46.60	49.00	63.30
ID.....	42.00	45.40	63.40	66.90	59.10	62.40	77.80	88.50
IL.....	42.40	46.00	64.10	69.50	63.00	68.20	93.00	110.00
IN.....	42.20	44.90	61.00	65.70	55.40	58.10	68.90	78.40
IA.....	43.00	46.10	64.40	70.20	61.80	67.30	75.30	88.40
KS.....	45.00	48.60	65.90	73.10	64.80	71.50	79.00	90.20
KY.....	40.80	44.30	64.90	72.70	55.20	61.40	73.90	84.00
LA.....	42.30	45.40	64.60	71.30	48.10	52.90	78.80	88.20
ME.....	43.00	48.00	52.00	60.00	50.00	58.00	62.00	72.00
MD.....	43.30	48.60	60.10	68.30	54.20	61.40	67.80	78.20
MA.....	43.00	45.00	52.00	59.00	50.00	56.00	63.00	72.00
MI.....	42.80	45.80	59.50	64.00	52.50	56.10	71.90	85.40
MN.....	42.60	45.60	62.50	67.60	58.10	62.50	78.30	87.50
MS.....	41.70	46.80	63.40	71.80	47.70	55.20	78.70	88.70
MO.....	44.10	48.80	69.00	77.10	61.40	68.60	75.70	87.80
MT.....	44.20	46.40	70.30	77.80	61.10	65.70	80.70	90.60
NE.....	44.20	47.30	65.40	71.30	64.50	70.20	82.30	92.60
NV.....	41.10	42.70	62.10	69.70	54.90	61.60	66.70	85.50
NH.....	43.00	46.00	52.00	59.00	50.00	56.00	62.00	71.00
NJ.....	41.30	45.80	55.60	61.40	43.20	48.50	76.20	93.70
NM.....	43.10	47.20	67.90	72.80	57.20	62.30	84.50	92.30
NY.....	40.70	44.10	49.60	53.20	41.40	44.80	77.50	93.20
NC.....	44.70	48.30	58.60	64.00	51.50	56.00	70.60	80.00
ND.....	43.60	45.60	70.00	78.30	64.10	71.00	81.60	91.90
OH.....	42.50	45.70	62.50	68.60	58.60	63.70	73.10	86.10
OK.....	42.80	45.80	68.90	77.10	57.60	63.20	79.30	89.00
OR.....	42.70	45.20	67.10	75.00	57.80	64.00	76.00	85.60
PA.....	42.30	45.50	62.10	66.40	55.10	58.90	83.10	99.20
RI.....	43.00	45.00	52.00	60.00	50.00	57.00	63.00	72.00
SC.....	43.60	46.70	62.40	71.20	48.30	52.80	76.10	89.60
SD.....	44.30	47.30	67.10	73.90	62.50	67.40	84.40	97.40
TN.....	41.30	44.20	63.60	71.10	52.20	57.00	72.60	83.30
TX.....	43.90	46.10	66.30	71.80	62.10	67.20	78.70	86.90
UT.....	42.40	44.70	63.50	68.40	61.80	66.50	79.40	91.50
VT.....	43.00	47.00	52.00	61.00	50.00	58.00	62.00	70.00
VA.....	41.10	44.30	65.10	72.90	55.90	63.10	71.10	82.10
WA.....	42.70	45.30	63.60	68.30	61.00	65.30	76.00	84.80
WV.....	39.90	43.90	65.00	73.00	57.50	64.00	68.70	81.50
WI.....	43.00	45.50	58.00	64.20	50.80	53.70	108.00	124.00
WY.....	49.10	51.20	72.20	79.90	64.30	68.00	85.30	95.60
US.....	43.20	46.30	65.30	71.40	61.10	66.60	78.50	89.20

See footnotes at end of table.

**Table 432.—Livestock: Average price per 100 pounds received by farmers, by States, 1987 and 1988—Continued**

State	Hogs <sup>3</sup>		Lambs		Sheep	
	1987	1988	1987	1988	1987	1988
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	49.80	40.20				
AK.....	70.00	79.00	75.00	70.00	30.00	30.00
AZ.....	57.10	46.90	74.80	80.70	21.40	26.70
AR.....	47.40	38.60				
CA.....	58.00	47.00	74.90	70.30	25.10	23.60
CO.....	53.80	44.60	74.60	68.50	32.00	25.30
CT.....	49.00	41.00	93.00	89.00	39.00	34.00
DE.....	50.10	42.10				
FL.....	48.90	38.20				
GA.....	52.30	41.50				
HI.....	75.70	76.50				
ID.....	50.30	40.20	74.10	61.90	24.00	19.40
IL.....	50.70	41.70	75.50	65.20	23.70	23.60
IN.....	50.50	41.80	70.40	60.60	27.50	24.20
IA.....	51.90	43.20	74.80	65.20	29.60	22.80
KS.....	50.10	41.50	74.50	66.60	30.40	28.50
KY.....	51.70	42.90	75.00	65.00	23.00	21.00
LA.....	44.90	34.70	80.00	70.00	33.00	30.00
ME.....	49.00	41.00	87.00	82.00	39.00	34.00
MD.....	50.10	42.10	75.90	71.10	25.30	23.30
MA.....	49.00	41.00	95.00	90.00	39.00	34.00
MI.....	50.00	41.40	75.00	66.00	25.00	22.00
MN.....	51.80	43.10	75.60	67.20	24.60	20.80
MS.....	51.10	42.10				
MO.....	50.70	42.00	76.00	62.00	37.00	27.50
MT.....	45.80	36.60	80.50	66.30	27.40	22.20
NE.....	51.60	42.50	77.70	65.00	29.40	26.70
NV.....	44.30	33.40	71.30	56.50	25.70	20.60
NH.....	49.00	41.00	91.00	85.00	39.00	34.00
NJ.....	50.50	38.70	58.80	73.20	42.40	39.40
NM.....	50.20	41.70	83.30	71.00	33.90	32.60
NY.....	49.10	40.40	76.50	76.00	30.10	27.20
NC.....	51.30	42.20	69.00	57.00	28.00	20.00
ND.....	49.00	39.40	78.20	67.80	24.80	21.30
OH.....	51.00	42.20	77.10	65.10	33.30	30.00
OK.....	49.50	41.40	76.10	66.90	22.50	21.10
OR.....	53.20	44.10	75.80	62.30	23.30	20.30
PA.....	52.00	43.60	79.50	70.80	26.40	24.40
RI.....	49.00	41.00				
SC.....	51.20	41.70				
SD.....	51.40	42.20	84.50	70.10	34.90	26.70
TN.....	50.40	41.60	81.80	62.50	28.50	25.80
TX.....	50.60	41.30	84.80	75.10	33.00	28.80
UT.....	47.70	37.70	71.60	61.50	21.40	20.00
VT.....	49.00	41.00	87.00	83.00	39.00	34.00
VA.....	50.10	41.00	77.00	68.00	22.00	22.00
WA.....	50.00	40.30	74.40	62.20	24.00	20.20
WV.....	52.50	42.00	74.10	63.40	23.70	19.80
WI.....	50.10	40.80	74.10	65.20	24.50	18.20
WY.....	50.80	40.90	80.70	67.80	27.50	21.00
US.....	51.20	42.30	77.60	69.10	29.50	25.60

<sup>1</sup> Includes cull dairy cows sold for slaughter, but not cows for dairy herd replacement.

<sup>2</sup> Weighted average of prices for cows, and for steers and heifers.

<sup>3</sup> December of preceding year through November.

National Agricultural Statistics Service.

Table 433.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, value of production, pulled wool production, exports, imports, total new supply of apparel wool, and imports of carpet wool, United States, 1974-88

Year	Sheep and lambs shorn <sup>1</sup>	Weight per fleece	Shorn wool production	Price per pound <sup>2</sup>	Value of production <sup>3</sup>	Pulled wool production	
						Average weight per skin	Total
	Thousands	Pounds	1,000 pounds	Cents	1,000 dollars	Pounds	1,000 pounds
1974.....	15,956	8.23	131,382	59.2	77,788	3.31	5,700
1975.....	14,403	8.30	119,535	44.8	53,505	3.35	6,000
1976.....	13,536	8.21	111,100	66.0	73,332	3.34	4,850
1977.....	13,217	8.12	107,328	72.0	77,276	3.30	2,450
1978.....	12,719	8.09	102,942	74.5	76,690	3.15	1,000
1979.....	13,069	8.02	104,867	86.3	90,536	3.20	900
1980.....	13,263	7.95	105,419	88.1	92,846	3.10	1,050
1981.....	13,493	8.14	109,787	94.4	103,665	3.05	1,150
1982.....	13,199	8.04	106,129	68.6	72,782	(*)	(*)
1983.....	12,865	8.00	102,886	61.2	62,978		
1984.....	12,284	7.77	95,471	79.5	75,876		
1985.....	11,158	7.88	87,941	63.3	55,657		
1986.....	10,852	7.82	84,829	66.8	56,595		
1987.....	10,921	7.75	84,669	91.7	77,109		
1988 <sup>6</sup> .....	11,465	7.78	89,235	138.0	124,644		

  

Year	Total wool production <sup>6</sup>	Raw wool supply (clean)				Total new supply <sup>9</sup>
		Domestic production <sup>7</sup>	Exports <sup>8</sup>	Imports for consumption		
				Dutiable	Duty free	
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1974.....	137,082	73,525	4,271	11,799	15,148	96,201
1975.....	125,535	67,488	7,674	16,605	17,021	93,440
1976.....	115,950	62,197	1,130	38,387	19,076	118,530
1977.....	109,778	58,455	385	36,303	22,655	117,028
1978.....	103,942	55,082	425	27,000	23,404	105,061
1979.....	105,767	56,022	313	20,283	22,047	98,039
1980.....	106,469	56,426	304	30,491	25,992	112,605
1981.....	110,937	58,806	307	48,106	26,145	132,750
1982.....	106,129	56,036	1,351	39,988	21,433	116,106
1983.....	102,886	54,324	1,014	49,371	28,688	131,369
1984.....	95,471	50,409	488	63,271	30,905	144,097
1985.....	87,941	46,433	1,415	50,164	29,308	124,490
1986.....	84,829	44,790	788	66,090	30,901	140,993
1987.....	84,669	44,705	1,037	74,054	31,066	148,788
1988 <sup>6</sup> .....	89,235	47,116	1,247	72,324	24,417	142,610

<sup>1</sup> Includes sheep shorn at commercial feeding yards.

<sup>2</sup> Price computed by weighting State average prices for all wool sold during the year by sales of shorn wool.

<sup>3</sup> Production by States multiplied by annual average price.

<sup>4</sup> Estimates discontinued in 1982.

<sup>5</sup> Preliminary.

<sup>6</sup> Beginning 1982, shorn wool only.

<sup>7</sup> Conversion factors from grease basis to clean basis are as follows: Shorn wool production—52.8 percent (Stat. Bull. 616) from 1974-1988 pulled wool production—72.9 percent.

<sup>8</sup> Includes carpet wool exports.

<sup>9</sup> Production minus exports plus imports; stocks not taken into consideration.

Economic Research Service and National Agricultural Statistics Service. Imports and exports from reports of the U.S. Department of Commerce.

Table 434.—Wool: Price-support operations, United States, 1974-88

Marketing year	Shorn wool price per pound		Payment rate		Marketings covered by payments <sup>3</sup>		Amount of payments <sup>4</sup>		
	Support	Season average received by producers	Average for shorn wool per pound <sup>1</sup>	Unshorn lambs per cwt. <sup>2</sup>	Shorn wool	Unshorn lambs	Shorn wool	Unshorn lambs	Total
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1974.....	72	59.1	12.9	52	95	613	11.6	2.9	14.5
1975.....	72	44.7	27.3	109	135	571	35.1	5.7	40.8
1976.....	72	65.7	6.3	25	96	471	5.8	1.2	7.0
1977.....	99	72.0	27.0	108	96	424	24.3	4.6	28.9
1978.....	108	74.5	33.5	134	92	386	29.6	5.2	34.8
1979.....	115	86.8	28.7	115	95	392	26.3	4.5	30.8
1980.....	123	88.1	34.9	140	96	388	32.0	5.5	37.5
1981.....	135	94.5	40.5	162	104	444	40.3	6.7	47.0
1982.....	137	68.4	68.6	274	88	515	59.2	12.5	71.7
1983.....	153	61.3	91.7	367	114	550	99.2	17.5	116.7
1984.....	165	79.5	85.5	342	94	536	76.3	15.7	92.0
1985.....	165	63.3	101.7	407	85	532	82.7	18.6	101.3
1986.....	178	66.8	111.2	445	81	601	86.2	20.7	106.8
1987.....	181	91.7	97.4	357	79	620	67.7	16.9	84.4
1988.....	178	138.0	29.0	160	80	624	68.2	16.9	85.1

<sup>1</sup> Average needed to bring the return up to the support level. The payment to an individual producer is computed by applying the announced percentage to his receipts from marketing of shorn wool.

<sup>2</sup> For unshorn lambs sold.

<sup>3</sup> Unadjusted for weight of unshorn lambs produced.

<sup>4</sup> Payments for wool marketed during the year shown are made after Mar. 31 of the following year. This includes deductions for American Sheep Council.

Agricultural Stabilization and Conservation Service.

Table 435.—Wool: Average price per pound, clean basis, delivered to United States mills, 1974-88

Year	Territory <sup>1</sup>		Fleece % blood good French combing and staple <sup>2</sup>	Australian 64's good topmaking (in bond, American yield)
	Fine good French combing and staple	% blood good French combing and staple		
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1974 <sup>3</sup> .....	176	126	119	243
1975.....	150	96	86	206
1976 <sup>4</sup> .....	182	143	136	218
1977.....	183	161	158	222
1978.....	189	169	164	234
1979.....	218	182	175	277
1980.....	245	195	186	309
1981.....	278	185	177	316
1982.....	247	152	.....	300
1983.....	212	133	.....	274
1984.....	229	172	.....	278
1985.....	192	136	.....	259
1986.....	191	139	.....	248
1987.....	265	168	.....	367
1988.....	438	224	.....	584

<sup>1</sup> Wool grown in the range areas of Oregon, Washington, the intermountain States (including Arizona and New Mexico) and parts of the Dakotas, Kansas, Nebraska, and Oklahoma. These wools vary considerably in shrinkage and color.

<sup>2</sup> Most wool grown in the farm areas of the Dakotas, Nebraska, Kansas, Oklahoma, and parts of Minnesota, Wisconsin, Iowa, and Missouri is somewhat dark in color and of moderately heavy shrinkage. Most of that grown in the States which are east of the Mississippi River and in parts of Minnesota, Iowa, and Missouri is bright in color and of relatively light shrinkage.

<sup>3</sup> Beginning January 1973 reported as Australia Type 62-64's.

<sup>4</sup> Before January 1976 the unit designation terminology for wool prices changed to microns. For example 64's (20.60-22.04 microns) formerly was fine good French combing and staple. Two designations 56's (26.40-27.84 microns) and 58's (24.95-26.39 microns) have been averaged in the price data shown here and together were formerly the category fleece % blood good French combing and staple.

USDA—Economic Research Service and Agricultural Marketing Service.

**Table 436.—Wool: Mill consumption, by grades, on the woolen and worsted systems, scoured basis, United States, 1979–88 <sup>1</sup>**

Item	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Apparel wool: <sup>2</sup>										
Woolen system: <sup>3</sup>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
60's and finer.....	29.0	28.2	35.2	23.8	30.5	32.9	28.0	34.1	32.4	23.8
50's up to 60's <sup>4</sup> .....	28.3	28.8	29.3	24.6	30.2	32.3	27.7	32.2	28.6	20.9
48's and coarser.....										
Total.....	57.4	57.0	64.5	48.4	60.7	65.2	55.7	66.3	61.0	44.7
Worsted system:										
60's and finer.....	30.1	35.5	41.2	36.2	42.4	39.7	33.6	41.7	53.8	54.5
Coarser than 60's....	19.1	20.9	22.0	21.3	23.6	24.1	16.7	18.8	14.9	17.9
Total.....	49.2	56.4	63.3	57.5	66.0	63.8	50.3	60.5	68.7	72.4
Total apparel:										
60's and finer.....	59.2	63.8	76.4	60.0	72.9	72.6	61.6	75.8	86.2	78.3
Coarser than 60's....	47.4	49.6	51.4	45.9	53.8	56.4	44.4	51.0	43.5	38.8
Total.....	106.5	113.4	127.8	105.9	126.7	129.0	106.0	126.8	129.7	117.1
Carpet wool <sup>5</sup> .....	10.5	10.0	10.9	9.8	13.9	13.1	10.6	10.0	13.1	15.6
Total mill.....	117.0	123.4	138.7	115.7	140.6	142.1	116.6	136.8	142.8	132.7

<sup>1</sup> Scoured wool, plus greasy wool converted to a scoured basis, using assumed average yields. Includes both pulled and shorn, foreign and domestic wool. Wool was considered as consumed (1) on the woolen system when laid in mixes and (2) on the worsted system as the sum of top and noil production.

<sup>2</sup> Domestic, duty-paid, and duty-free foreign.

<sup>3</sup> Excludes wool consumed on the cotton system and in the manufacture of felt, hat bodies, and other miscellaneous products.

<sup>4</sup> Beginning 1978, 50's up to 60's and 48's and coarser combined.

<sup>5</sup> Duty-free foreign.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 437.—Wool: United States imports (for consumption), clean content, by grades, 1978–88 <sup>1</sup>**

Grade	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988 <sup>2</sup>
Dutiable: <sup>3</sup>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
56's and finer <sup>4</sup> .....	19.8	14.1	27.2	39.7	32.2	41.6	50.3	40.8	54.0	64.1	65.6
46's to 56's <sup>5</sup> .....	7.2	6.2	3.3	8.4	7.8	7.8	13.0	9.4	12.1	9.0	6.7
40's to 46's <sup>6</sup> .....											
Not finer than 40's.....											
Named and similar wools.....											
Total.....	27.0	20.3	30.5	48.1	40.0	49.4	63.3	50.2	66.1	74.0	72.3
Duty-free: <sup>3</sup>											
Named and similar wools.....	1.6	2.0	1.8	3.3	1.8	.5	.4	.6	.9	1.2	1.5
Other:											
Not finer than 40's....	12.8	10.2	10.1	8.0	7.4	8.8	7.8	6.2	7.2	9.1	4.5
40's to 44's.....	4.7	5.6	7.9	5.9	5.1	5.8	6.0	6.9	9.2	13.9	13.5
44's to 46's <sup>7</sup> .....	4.3	4.2	6.3	9.0	8.1	13.6	16.7	15.6	13.6	6.9	4.9
Total.....	23.4	22.0	26.0	26.2	21.4	28.7	30.9	29.3	30.9	31.1	24.4
Grand total.....	50.4	42.3	56.5	74.3	61.4	78.1	94.2	79.5	97.0	105.1	96.7

<sup>1</sup> Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition. <sup>2</sup> Preliminary. <sup>3</sup> Beginning November 1977 duty-free wools include and are limited to all 46's and coarser grades of wool by Public Law 95-162. Beginning January 1978 Bureau of Census data combined duty-free 46's and dutiable 48's wools. In recent years prior to the combination, imports of 48's were negligible compared with 46's. <sup>4</sup> Finer than 58's beginning in 1978. <sup>5</sup> 50's through 58's beginning in 1978. <sup>6</sup> Beginning in November 1977 duties were suspended through June 30, 1980. <sup>7</sup> Beginning in 1978 through June 30, 1980 the totals include all wools grading 48's and coarser except for named wools.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 438.—Wool: United States imports (for consumption), clean content, by country of origin, 1979-88 <sup>1</sup>

Country of origin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988 <sup>2</sup>
Dutiable:	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
Argentina .....	1.7	3.9	8.7	4.2	1.4	2.1	0.2	0.6	0.3	1.5
Australia .....	16.0	22.8	28.9	24.7	35.0	41.8	39.0	52.0	62.4	61.6
Canada .....	.2	.2	.7	.2	.1	.3	.1	.3	.5	.4
Chile .....	.5	.5	.8	1.0	.3	.5	.5	.7	.6	.5
New Zealand .....	.8	1.1	1.6	1.5	2.3	5.6	3.6	5.4	4.1	4.2
South Africa .....	.4	.2	1.9	4.7	8.3	8.8	4.1	4.5	.....	.....
United Kingdom .....	.1	.1	.2	.1	.....	.2	.3	.3	.6	.5
Uruguay .....	.5	1.2	4.0	3.1	1.7	3.5	1.9	2.2	4.0	2.2
Other .....	.1	.5	1.3	.5	.3	.5	.5	.1	1.5	1.4
Total .....	20.3	30.5	48.1	40.0	49.4	63.3	50.2	66.1	74.0	72.3
Duty-free:										
Argentina .....	3.3	2.3	2.3	1.5	2.0	1.8	1.3	1.7	1.5	1.2
Australia .....	.1	.3	.7	.3	.6	.7	.7	.7	.5	.4
Canada .....	.....	.....	.1	.2	.3	.5	.6	.8	.3	.2
New Zealand .....	15.0	20.2	18.0	15.1	21.7	23.8	21.5	23.4	23.8	19.0
Uruguay .....	.....	.....	.....	.1	.1	.1	.1	.1	.1	.....
South Africa .....	.2	.1	.2	.2	.4	.5	.2	.1	.....	.....
United Kingdom .....	2.3	1.7	3.5	3.2	3.4	3.5	4.6	3.8	4.5	3.2
Other .....	1.1	1.4	1.3	.8	.2	.....	.3	.3	.4	.4
Total .....	22.0	26.0	26.1	21.4	28.7	30.9	29.3	30.9	31.1	24.4
Grand total .....	42.3	56.5	74.3	61.4	78.1	94.2	79.5	97.0	105.1	96.7

<sup>1</sup> Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition.

<sup>2</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.



Table 439.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, and value of production, by States, 1986–88

State	Sheep and lambs shorn <sup>1</sup>			Weight per fleece <sup>2</sup>			Shorn wool production			Price per pound			Value of production <sup>3</sup>		
	1986	1987	1988 <sup>4</sup>	1986	1987	1988 <sup>4</sup>	1986	1987	1988 <sup>4</sup>	1986	1987	1988 <sup>4</sup>	1986	1987	1988 <sup>4</sup>
	Thousands	Thousands	Thousands	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
AK.....	1.9	1.8	2.2	10.6	9.4	9.5	20	17	21	67	75	125	13	13	26
AZ <sup>5</sup> .....	305	269	267	7.0	7.2	6.6	2,055	1,950	1,750	53	69	108	1,089	1,346	1,890
CA <sup>5</sup> .....	1,088	1,020	955	7.6	7.1	7.4	8,229	7,241	7,103	66	87	143	5,431	6,300	10,157
CO <sup>5</sup> .....	810	818	960	6.6	6.8	6.6	5,331	5,572	6,330	68	93	140	3,625	5,182	8,862
CT.....	7.7	7.4	6	7.1	6.9	7.5	55	51	45	51	64	74	28	33	33
ID <sup>5</sup> .....	278	293	292	9.7	9.5	9.9	2,683	2,778	2,890	67	89	118	1,798	2,472	3,410
IL <sup>5</sup> .....	153	149	153	7.3	6.8	6.8	1,038	1,018	1,038	45	54	68	467	550	706
IN <sup>5</sup> .....	91	81	82	6.8	7.0	6.8	617	569	558	41	48	62	253	273	346
IA <sup>5</sup> .....	435	495	525	7.0	6.9	7.0	3,054	3,424	3,701	45	55	74	1,374	1,883	2,739
KS <sup>5</sup> .....	223	230	251	6.7	6.6	6.9	1,502	1,509	1,722	51	69	104	766	1,041	1,791
KY.....	30	34	35	6.8	6.9	6.7	203	235	236	44	52	76	89	122	179
LA.....	18	16	17	6.4	6.8	6.7	119	109	114	55	58	76	65	63	87
ME.....	15	14	13	7.2	7.5	8.0	108	105	104	59	72	83	64	76	86
MD.....	17	24	28	7.3	7.7	7.0	124	185	197	68	63	87	84	117	171
MA.....	12	15	11	7.1	7.1	8.0	85	107	88	59	79	83	50	85	73
MI <sup>5</sup> .....	100	95	99	7.6	7.6	7.6	764	722	750	46	55	75	351	397	563
MN <sup>5</sup> .....	230	241	255	6.5	6.7	7.4	1,530	1,623	1,893	45	57	77	689	925	1,458
MO <sup>5</sup> .....	101	118	115	7.1	7.0	6.8	715	830	777	46	57	74	329	473	575
MT <sup>5</sup> .....	500	511	535	10.5	10.1	10.5	5,225	5,165	5,600	74	102	148	3,867	5,268	8,288
NE <sup>5</sup> .....	175	178	185	6.8	7.1	7.3	1,263	1,261	1,355	51	62	89	644	782	1,206
NV <sup>5</sup> .....	76	83	91	10.0	10.0	10.0	760	830	910	68	95	143	517	789	1,301
NH.....	10	10	10	7.1	7.0	7.7	71	70	77	59	73	73	42	51	56
NJ.....	9.0	10	11	6.9	7.0	7.0	62	70	77	65	57	92	40	40	71
NM <sup>5</sup> .....	480	467	444	9.0	8.7	9.2	4,313	4,083	4,079	75	120	185	3,235	4,900	7,546
NY.....	53	58	60	7.1	7.2	7.2	376	417	432	59	71	88	222	296	380
NC.....	9.7	11	11	6.8	6.9	7.1	66	76	78	58	54	84	38	41	66
ND <sup>5</sup> .....	157	169	169	9.6	9.5	9.6	1,509	1,605	1,620	58	72	106	875	1,156	1,717
OH <sup>5</sup> .....	270	273	260	7.2	7.2	7.1	1,956	1,959	1,845	46	54	71	900	1,058	1,310
OK.....	95	100	110	7.1	7.0	7.0	700	700	770	54	69	107	378	483	824
OR <sup>5</sup> .....	435	450	520	6.5	6.4	6.2	2,825	2,876	3,228	61	71	94	1,723	2,042	3,034
PA.....	99	105	104	6.9	6.5	6.5	683	680	681	62	66	86	423	449	586
SD <sup>5</sup> .....	525	630	620	8.4	8.5	8.6	4,554	5,382	5,333	62	84	132	2,823	4,521	7,040
TN.....	10	11.0	11	6.4	6.7	6.5	65	74	72	61	57	85	40	42	61
TX <sup>5</sup> .....	2,260	2,250	2,500	7.3	7.3	7.3	16,400	16,400	18,200	81	121	197	13,284	19,844	35,854
UT <sup>5</sup> .....	468	440	467	10.0	9.8	9.8	4,668	4,320	4,575	66	93	136	3,081	4,018	6,222
VT.....	13	12	14	7.2	7.4	7.0	94	89	98	64	71	82	60	63	80
VA.....	219	140	132	5.0	6.1	5.8	1,104	848	770	60	62	91	662	526	701
WA.....	66	70	76	8.1	8.9	8.7	533	626	658	60	77	101	320	482	665
WV.....	79	77	66	5.8	5.6	6.0	458	431	396	65	62	91	298	267	360
WI.....	93	92	94	7.2	7.6	7.5	672	695	705	44	57	77	296	396	543
WY <sup>5</sup> .....	835	810	867	9.9	9.5	9.3	8,240	7,709	8,095	76	105	165	6,262	8,094	13,357
<sup>9</sup> States <sup>7</sup> .....	.....	43	44	.....	6.0	6.0	.....	258	264	.....	.....	59	85	152	224
US.....	10,852	10,921	11,465	7.82	7.75	7.78	84,829	84,669	89,235	<sup>6</sup> 66.8	<sup>6</sup> 91.7	1.38	56,595	77,109	124,644

See footnotes on page 288.

**Table 440.—Goats and mohair: Number of goats clipped, mohair production, average price per pound received by farmers, and value of production, Texas, 1974–88 <sup>1</sup>**

Year	Goats clipped <sup>1</sup>	Average clip per goat	Mohair production	Price per pound	Value of production <sup>2</sup>
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	1,175	7.1	8,400	1.37	11,508
1975.....	1,215	7.1	8,600	1.85	15,910
1976.....	1,100	7.4	8,100	2.97	24,067
1977.....	1,215	6.5	8,000	2.87	22,960
1978.....	1,188	6.8	8,100	4.59	37,179
1979.....	1,275	7.3	9,300	5.10	47,430
1980.....	1,240	7.1	8,800	3.50	30,800
1981.....	1,300	7.8	10,100	3.50	35,350
1982.....	1,330	7.5	10,000	2.55	25,500
1983.....	1,360	7.8	10,600	4.05	42,930
1984.....	1,450	7.7	11,200	4.30	48,160
1985.....	1,730	7.7	13,300	3.45	45,885
1986.....	2,000	8.0	16,000	2.51	40,160
1987.....	2,000	8.1	16,200	2.63	42,606
1988.....	2,321	7.5	17,323	1.89	32,769

<sup>1</sup> The number clipped is the sum of goats and kids clipped in the spring and kids clipped in the fall.

<sup>2</sup> Production multiplied by price per pound.

National Agricultural Statistics Service.

**Table 441.—Mohair: Price-support operations, United States, 1974–88**

Marketing year	Price per pound		Average payment rate per pound <sup>1</sup>	Marketings covered by payments	Amount of payments <sup>2</sup>
	Support	Season average received by producers			
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Million dollars</i>
1974.....	80.2	137.0			
1975.....	80.2	185.0			
1976.....	80.2	297.0			
1977.....	149.8	287.0			
1978.....	164.7	459.0			
1979.....	194.3	510.0			
1980.....	290.3	350.0			
1981.....	371.8	350.0	21.8	8.3	1.9
1982.....	397.7	255.0	142.7	11.4	16.8
1983.....	462.7	405	57.7	11.5	6.3
1984.....	516.9	430	86.9	12.0	10.3
1985.....	443.0	345	98.0	13.0	12.6
1986.....	493.0	251	242.0	17.9	42.7
1987.....	495.0	263	232.0	15.8	35.3
1988.....	469.0	189	280.0	16.2	41.2

<sup>1</sup> Average needed to bring the return up to the support level. The payment to an individual producer is computed by applying the announced percentage to his receipts from marketing of mohair.

<sup>2</sup> Payments for mohair marketed during the year shown are made after Mar. 31 of the following year. Agricultural Stabilization and Conservation Service.

Table 442.—Red meat and lard: Production, by class of slaughter, United States, 1974–88

Year	Commercial			Farm	Total	Commercial			Farm	Total
	Federal-ly inspected	Other	Total <sup>1</sup>			Federal-ly inspected	Other	Total <sup>1</sup>		
<b>Beef</b>										
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	20,937	1,907	22,844	294	23,138	12,856	727	13,583	222	13,805
1975.....	21,626	2,045	23,671	303	23,974	10,733	581	11,314	189	11,503
1976.....	23,726	1,941	25,667	302	25,969	11,699	519	12,219	196	12,415
1977.....	23,364	1,622	24,986	293	25,279	12,518	533	13,051	196	13,247
1978.....	22,623	1,387	24,010	232	24,242	12,689	520	13,209	184	13,393
1979.....	20,059	1,202	21,261	185	21,446	14,668	602	15,270	180	15,450
1980.....	20,273	1,197	21,470	174	21,644	15,742	689	16,431	184	16,615
1981.....	21,043	1,171	22,214	175	22,389	15,114	605	15,719	156	15,875
1982.....	21,334	1,032	22,366	170	22,536	13,657	464	14,121	108	14,229
1983.....	22,057	1,001	23,058	183	23,241	14,659	461	15,120	82	15,202
1984.....	22,509	907	23,416	180	23,596	14,282	438	14,720	92	14,812
1985.....	22,709	848	23,557	171	23,728	14,312	414	14,726	79	14,805
1986.....	23,456	757	24,213	158	24,371	13,618	380	13,998	65	14,063
1987.....	22,746	659	23,405	161	23,566	13,954	358	14,312	62	14,374
1988.....	22,837	588	23,425	165	23,590	15,250	373	15,623	61	15,684
<b>Veal</b>										
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	285	157	442	44	486	440	14	454	11	465
1975.....	494	333	827	46	873	385	14	399	11	410
1976.....	563	250	813	40	853	349	12	361	10	371
1977.....	569	225	794	40	834	330	11	341	10	351
1978.....	447	153	600	32	632	290	10	300	9	309
1979.....	315	95	410	24	434	275	9	284	9	293
1980.....	296	83	379	21	400	299	11	310	8	318
1981.....	324	91	415	21	436	317	11	328	10	338
1982.....	341	82	423	25	448	347	9	356	9	365
1983.....	356	73	429	25	454	358	10	368	8	376
1984.....	408	71	479	16	495	362	10	372	8	380
1985.....	441	57	498	16	514	341	9	350	7	357
1986.....	455	54	509	15	524	322	8	330	7	337
1987.....	382	34	416	13	429	302	8	310	6	316
1988.....	362	24	386	9	395	320	9	329	6	335
<b>Lamb and mutton</b>										
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	34,518	2,805	37,323	571	37,894	1,289	55	1,344	22	1,366
1975.....	33,238	2,973	36,211	549	36,760	956	39	995	17	1,012
1976.....	36,337	2,722	39,060	548	39,608	1,010	34	1,044	17	1,061
1977.....	36,781	2,391	39,172	539	39,711	994	27	1,021	16	1,037
1978.....	36,049	2,070	38,119	457	38,576	968	23	991	15	1,006
1979.....	35,317	1,908	37,225	398	37,623	1,112	29	1,141	14	1,155
1980.....	36,611	1,979	38,590	387	38,977	1,173	30	1,203	14	1,217
1981.....	36,798	1,877	38,675	362	39,037	1,131	24	1,155	12	1,167
1982.....	35,680	1,586	37,266	312	37,578	892	18	910	9	919
1983.....	37,431	1,543	38,974	298	39,272	952	20	972	6	978
1984.....	37,561	1,426	38,987	296	39,283	911	18	929	7	936
1985.....	37,803	1,328	39,131	273	39,404	906	17	923	6	929
1986.....	37,851	1,199	39,050	245	39,296	855	14	869	5	874
1987.....	37,384	1,058	38,442	240	38,682	844	13	857	5	862
1988.....	38,770	993	39,763	241	40,004	919	14	933	5	938
<b>All meat, excluding lard</b>										
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	34,518	2,805	37,323	571	37,894	1,289	55	1,344	22	1,366
1975.....	33,238	2,973	36,211	549	36,760	956	39	995	17	1,012
1976.....	36,337	2,722	39,060	548	39,608	1,010	34	1,044	17	1,061
1977.....	36,781	2,391	39,172	539	39,711	994	27	1,021	16	1,037
1978.....	36,049	2,070	38,119	457	38,576	968	23	991	15	1,006
1979.....	35,317	1,908	37,225	398	37,623	1,112	29	1,141	14	1,155
1980.....	36,611	1,979	38,590	387	38,977	1,173	30	1,203	14	1,217
1981.....	36,798	1,877	38,675	362	39,037	1,131	24	1,155	12	1,167
1982.....	35,680	1,586	37,266	312	37,578	892	18	910	9	919
1983.....	37,431	1,543	38,974	298	39,272	952	20	972	6	978
1984.....	37,561	1,426	38,987	296	39,283	911	18	929	7	936
1985.....	37,803	1,328	39,131	273	39,404	906	17	923	6	929
1986.....	37,851	1,199	39,050	245	39,296	855	14	869	5	874
1987.....	37,384	1,058	38,442	240	38,682	844	13	857	5	862
1988.....	38,770	993	39,763	241	40,004	919	14	933	5	938

<sup>1</sup> Totals are based on unrounded data.  
National Agricultural Statistics Service.

**Table 443.—Meat and meat food products: Quantity prepared and processed under Federal inspection, United States, fiscal year, 1988<sup>1</sup>**

Product	Fiscal year 1988	Product	Fiscal year 1988
	<i>1,000 pounds</i>		<i>1,000 pounds</i>
Cured:		Sliced/packaged product:	
Beef.....	409,690	Sausage, loaves, luncheon meat.....	1,266,620
Pork.....	5,976,736	Ham.....	616,259
Other meats.....	113,124	Bacon.....	2,168,988
Smoked, dried, or cooked:		Other.....	780,295
Bacon.....	2,124,829	Convenience foods (frozen and/or unfrozen):	
Hams.....	2,517,799	Pizza.....	1,005,121
Pork.....	670,567	Pies.....	341,778
Beef.....	674,104	Dinners.....	428,887
Other smoked.....	453,905	Entrees.....	598,660
Fresh/frozen products:		Other.....	520,866
Beef cuts.....	12,478,447	Miscellaneous meat products:	
Pork cuts.....	14,432,016	Cured meat loaves.....	89,477
Other cuts.....	690,799	Non-specific loaves.....	153,508
Beef, boned.....	11,197,605	Meat patties.....	631,429
Pork, boned.....	4,724,445	Other formulated products.....	415,792
Other, boned.....	316,102	Horse and equine products.....	86,390
Steaks, chops, roasts (chopped/formed)....	2,718,567	Animal food.....	111,925
Hamburger/ground beef.....	4,914,037		
Mechanically processed beef product.....	6,458	Total.....	
Mechanically processed pork product.....	23,548		
Mechanically processed other product.....	27,381	Fats and oils:	
Other fresh/frozen.....	1,359,857	Lard, rendered.....	1,207,837
Sausage:		Lard, refined.....	786,550
Fresh.....	1,856,296	Tallow, edible.....	2,311,984
Uncooked cured.....	46,620	Compound containing animal fat.....	1,172,841
Dried/semi-dried.....	593,218	Oleomargarine containing animal fat.....	69,956
Frankfurters/wieners.....	1,825,275	Total.....	86,589,485
Bologna.....	879,237		
Liver sausage and braunschweiger.....	130,350	Total all products (includes canned).....	90,112,150
Other.....	1,163,310		

<sup>1</sup> Total represents pounds of product inspected and is greater than total amount of meat used for processed products. Some products move from fresh to cured, to smoked, etc., and will be counted in each of these categories.

Food Safety and Inspection Service.

**Table 444.—Canned meat products: Quantity produced under Federal inspection, United States, fiscal year, 1988<sup>1</sup>**

Product	Fiscal year 1988	Product	Fiscal year 1988
Luncheon meat.....	228,343	Byproducts, other than pickled.....	20,287
Canned hams.....	187,524	Miscellaneous sausage product.....	20,469
Hash products.....	127,761	Corned beef.....	1,963
Chili con carne.....	542,219	Soups.....	782,674
Viennas.....	124,201	Pork shoulder picnics and loins.....	5,092
Frankfurters and wieners.....	2,427	All other meat and/or meat byproducts	
Deviled ham.....	10,535	20% or more meat.....	135,845
Potted meat food products and spreads.....	40,488	All other meat and/or meat byproducts	
Tamales.....	31,209	under 20% meat.....	342,303
Sliced dried beef.....	2,725	Horse and equine products.....	58,177
Chopped beef, hamburgers.....	14,867	Animal food.....	53,048
Meat stew.....	221,574		
Pasta meat product.....	554,062	Total.....	3,522,665
Vinegar-pickled products.....	17,872		

<sup>1</sup> Total represents pounds of product inspected and is greater than total amount of meat used for processed products. Some products move from fresh to cured, to smoked, etc., and will be counted in each of these categories.

Food Safety and Inspection Service.

Table 445.—Meat: Production by types in specified countries, 1987 and 1988 <sup>1</sup>

Continent and country	Beef and veal		Pork <sup>a</sup>		Mutton, lamb, and goat meat		Total production	
	1987	1988 <sup>2</sup>	1987	1988 <sup>2</sup>	1987	1988 <sup>2</sup>	1987	1988 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>								
Canada.....	977	973	1,131	1,188			2,108	2,161
Mexico.....	1205	1,746	950	964	73	73	2,228	2,783
United States.....	10,884	10,884	6,520	7,114	143	152	17,547	18,146
Total.....	13,066	13,599	8,601	9,266	216	225	21,883	23,090
<b>South America:</b>								
Argentina.....	2,700	2,610			82	87	2,782	2,697
Brazil.....	2,250	2,500	1,200	1,100			3,450	3,600
Colombia.....	654	707	122	131			776	838
Uruguay.....	277	321			63	73	340	394
Venezuela.....	276	307	139	148			415	455
Total.....	6,157	6,445	1,461	1,379	145	160	7,751	7,984
<b>Central America and Caribbean:</b>								
Costa Rica.....	92	86					92	86
Dominican Republic.....	53	61					53	61
El Salvador.....	20	23					20	23
Guatemala.....	54	61	14	14			68	75
Honduras.....	43	59					43	59
Nicaragua.....		57						57
Panama.....	56	57					56	57
Total.....	318	347	14	14			332	361
<b>Europe:</b>								
Belgium and Luxembourg.....	327	323	788	813	7	7	1,122	1,143
Denmark.....	235	217	1,149	1,168	1	1	1,385	1,386
France.....	1,912	1,780	1,536	1,599	157	153	3,605	3,532
Germany, Fed. Rep. of.....	1,680	1,609	2,856	2,838	29	30	4,565	4,477
Greece.....	86	82	164	160	124	123	374	365
Ireland.....	484	452	141	142	48	50	673	644
Italy.....	1,170	1,130	1,190	1,180	68	68	2,428	2,378
Netherlands.....	535	506	1,520	1,623	10	12	2,069	2,141
United Kingdom.....	1,088	945	1,025	1,048	297	321	2,410	2,314
Portugal.....	105	111	217	211	29	30	351	352
Spain.....	449	450	1,489	1,722	225	231	2,163	2,403
Total EC.....	8,071	7,605	12,079	12,504	995	1026	21,145	21,135
Austria.....	230	222	388	399			618	621
Finland.....	123	111	175	168			298	279
Sweden.....	135	127	289	300			424	427
Switzerland.....	173	157	278	279			451	436
Total other Western Europe.....	661	617	1,130	1,146	0		1,791	1,763
Bulgaria.....	165	165	420	455	110	102	695	722
Czechoslovakia.....	458	451	843	938	10	10	1,311	1,399
German Dem. Rep.....	472	470	1,483	1,414	19	19	1,974	1,903
Hungary.....	114	93	1,064	986	5	4	1,183	1,083
Poland.....	835	782	1,745	1,828	29	25	2,609	2,635
Romania.....	240	230	900	840	63	60	1,203	1,130
Yugoslavia.....	317	301	871	855	65	70	1,233	1,226
Total Eastern Europe <sup>4</sup> .....	2,601	2,492	7,326	7,316	301	290	10,228	10,098
Total Europe.....	11,333	10,714	20,535	20,966	1,295	1,316	33,164	32,996
<b>Soviet Union <sup>5</sup>.....</b>	8,288	8,465	6,324	6,476	905	952	15,517	15,893
<b>Africa:</b>								
Egypt.....	477	450			50	52	527	502
South Africa.....	583	553			201	194	784	747
Total.....	1,060	1,003			251	246	1,311	1,249

See footnotes at end of table.

**Table 445.—Meat: Production by types in specified countries, 1987 and 1988<sup>1</sup>—  
Continued**

Continent and country	Beef and veal		Pork <sup>3</sup>		Mutton, lamb, and goat meat		Total production	
	1987	1988 <sup>2</sup>	1987	1988 <sup>2</sup>	1987	1988 <sup>2</sup>	1987	1988 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Asia and Middle East:</b>								
China.....	791	900	18,349	20,170	719	800	19,859	21,870
Hong Kong.....			30	34			30	34
India.....	690	550			486	527	1,176	1,077
Israel.....	39	35					39	35
Japan.....	505	569	1,581	1,578			2,146	2,147
Korea, Rep. of.....	206	175	376	433			582	609
Philippines.....	84	86	489	520			573	606
Saudi Arabia.....	18	24					18	24
Singapore.....			73	76			73	76
Taiwan.....	4	5	938	911			942	916
Turkey.....	240	245			382	385	622	630
<b>Total.....</b>	<b>2,637</b>	<b>2,589</b>	<b>21,836</b>	<b>23,722</b>	<b>1,587</b>	<b>1,712</b>	<b>26,060</b>	<b>28,023</b>
<b>Oceania:</b>								
Australia.....	1,549	1,533	283	298	591	546	2,423	2,377
New Zealand.....	563	562	44	43	583	576	1,190	1,811
<b>Total.....</b>	<b>2,112</b>	<b>2,095</b>	<b>327</b>	<b>341</b>	<b>1,174</b>	<b>1,122</b>	<b>3,498</b>	<b>4,188</b>
<b>Total selected countries<sup>6</sup>.....</b>	<b>44,971</b>	<b>45,257</b>	<b>59,098</b>	<b>62,164</b>	<b>5,574</b>	<b>5,733</b>	<b>109,643</b>	<b>113,154</b>

<sup>1</sup> Carcass weight basis; excludes offals, rabbit, and poultry meat.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes edible pork fat, but excludes lard and inedible greases (except United States).

<sup>4</sup> Official CEMA data (includes fats and offals) with adjustments for live animal trade.

<sup>5</sup> Slaughter weight basis (includes fats and offals) used in official Soviet Union statistics.

<sup>6</sup> Includes other countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 446.—Meats, frozen and cured: Cold-storage holdings, United States, first of month, 1987 and 1988**

Month	Frozen and cured beef		Frozen and cured pork		Frozen lamb and mutton	
	1987 <sup>1</sup>	1988	1987 <sup>1</sup>	1988	1987 <sup>1</sup>	1988
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	320,608	316,693	217,731	291,480	11,550	8,069
February.....	305,988	325,357	228,516	308,162	13,565	6,190
March.....	311,132	313,182	221,770	345,842	13,595	7,056
April.....	312,281	305,015	217,762	397,252	13,248	7,639
May.....	280,100	275,118	218,802	388,559	13,997	8,018
June.....	252,732	248,416	189,165	362,766	12,007	8,738
July.....	278,661	269,614	181,107	337,211	9,311	8,537
August.....	269,273	294,904	175,060	286,965	8,468	7,253
September.....	286,511	307,583	186,199	288,018	6,978	6,827
October.....	307,619	296,485	212,205	320,792	7,036	6,396
November.....	304,310	300,407	251,657	361,305	8,637	6,001
December.....	288,651	317,462	285,471	357,887	7,949	6,115

<sup>1</sup> Beginning Jan. 1, 1977, cured (cooler) beef and cured (cooler) pork are excluded from totals.

National Agricultural Statistics Service.

Table 447.—Meat: United States exports by type of product, 1974-88

Year	Beef and Veal		Lamb and mutton, fresh or frozen	Pork					Sausage, Bologna, frankfurters	Variety meats, fresh, chilled, or frozen	Other meats	Total <sup>1</sup>
	Fresh, chilled, and frozen	Prepared and preserved		Fresh, chilled, and frozen	Hams and shoulders, cured	Bacon	Other pork, prepared or preserved					
							Not canned	Canned				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	
1974	n.a.	n.a.	1,153	35,289	3,014	797	2,920	902	2,351	n.a.	n.a.	n.a.
1975	n.a.	n.a.	1,305	82,028	4,155	575	3,709	686	2,237	n.a.	n.a.	n.a.
1976	n.a.	n.a.	1,403	128,895	3,041	1,028	3,422	1,114	2,523	n.a.	n.a.	n.a.
1977	n.a.	n.a.	1,755	116,282	2,941	1,216	2,919	1,810	3,426	n.a.	n.a.	n.a.
1978	40,390	14,878	1,375	84,120	3,934	1,655	7,524	2,932	3,653	181,164	67,549	409,174
1979	45,908	11,495	562	83,058	3,380	912	8,912	1,123	3,003	164,125	64,631	387,109
1980	48,255	11,248	595	69,966	3,327	820	8,438	1,667	3,296	195,182	69,532	412,326
1981	62,371	12,297	972	86,652	2,363	1,079	9,130	1,662	3,819	206,891	56,102	443,338
1982	71,621	14,046	676	58,541	1,358	774	7,514	1,289	3,404	222,688	48,924	530,835
1983	80,976	12,070	632	62,141	1,794	601	5,581	695	3,139	213,155	35,311	416,095
1984	99,208	12,322	878	46,098	1,474	621	3,837	513	2,603	213,180	34,432	415,166
1985	99,923	9,605	460	34,394	1,175	450	4,066	638	2,908	239,451	37,712	430,782
1986	173,884	10,519	558	20,969	650	474	4,796	349	3,214	241,051	46,130	502,594
1987	200,180	10,789	668	29,145	1,227	617	3,597	376	4,582	222,342	61,206	534,729
1988	214,530	14,083	619	54,598	2,138	1,045	4,924	268	8,439	302,087	74,160	676,891

<sup>1</sup> May not add due to rounding.<sup>2</sup> Preliminary.

n.a. not available, earlier data series doesn't correspond directly to post-1978 series.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 448.—Meat: United States imports of meat subject to Public Law 96-177 (Meat Import Act), by country of origin, 1983-88 <sup>1</sup>

Country of origin	1983	1984	1985	1986	1987	1988
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Canada	129,998	166,207	187,762	169,947	152,634	131,119
Mexico	1,318					0
Belize			263	189	31	0
Guatemala	19,066	18,351	28,229	7,731	19,404	19,997
El Salvador	3,267	2,777	1,664	649	1,950	1,914
Honduras	34,102	22,317	15,116	20,824	18,901	19,232
Nicaragua	28,094	7,793	3,914			0
Costa Rica	33,427	38,270	54,660	68,965	57,933	49,142
Panama	1,900	1,277	118	90		0
Haiti	662	37	46			0
Dominican Republic	8,017	1,692	18,860	25,106	20,474	31,164
Guam			531	343	568	0
Sweden		2,020	3,444	7,008	3,320	1,385
Australia	601,135	542,774	595,692	668,294	739,206	810,094
New Zealand	367,877	328,248	398,576	364,016	438,726	451,344
European Community	11,223	9,708	9,725	6,172	6,528	5,879
Total <sup>2</sup>	1,240,086	1,141,471	1,318,600	1,399,334	1,459,674	1,521,243

<sup>1</sup> Fresh, chilled, and frozen beef, veal, mutton and goatmeat and certain prepared items from these. Excluding canned meat and certain items prepared from these meats.<sup>2</sup> May not add due to rounding.

Foreign Agricultural Service.

Table 449.—Meat: United States imports, products weight basis, by country of origin, 1988

Country of origin	Beef and Veal			Lamb, mutton, and goat, except canned	Pork				Mixed sausage	Variety meats, fresh, chilled and frozen	Other meats n.s.e.	Total
	Fresh, chilled and frozen	Canned, including sausage	Other prepared or preserved		Fresh, chilled and frozen	Canned	Other prepared or preserved	Sausage, all types				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Argentina.....	0	37,902	6,868	0	0	0	0	0	0	0	0	44,770
Australia.....	361,719	48	37	13,611	1,332	6	1	2	1	3,092	274	380,123
Brazil.....	0	26,859	2,474	0	0	0	0	0	0	0	0	29,349
Canada.....	63,025	173	184	29	213,108	7,260	6,101	1,275	447	4,238	98	295,938
Costa Rica.....	23,750	0	0	0	0	0	0	0	0	0	0	23,750
Denmark.....	3,518	4	61	0	57,141	57,332	234	1,072	2,133	80	0	121,575
Dominican Republic.....	14,393	0	0	0	0	0	0	0	0	0	0	14,393
El Salvador.....	1,055	0	0	0	0	0	0	0	0	0	0	1,055
Germany, Fed. Rep. of.....	0	0	0	0	0	1,379	25	135	0	17	0	1,556
Guatemala.....	10,374	0	0	0	0	0	0	0	0	0	0	10,374
Haiti.....	0	0	0	0	0	0	0	0	0	0	0	0
Honduras.....	9,660	0	0	0	0	0	0	0	0	0	0	9,660
Hungary.....	0	74	75	0	0	11,055	2,959	359	15	0	0	14,537
Ireland.....	160	0	0	0	0	3	69	60	0	0	0	292
Mexico.....	0	0	22	12	0	0	0	0	0	0	0	34
Netherlands.....	0	33	16	0	0	6,516	4	0	131	0	27	6,797
New Zealand.....	214,896	167	2	5,583	13	0	0	0	640	0	675	221,976
Nicaragua.....	0	0	0	0	0	0	0	0	0	0	0	0
Panama.....	0	0	0	0	0	0	0	0	0	0	0	0
Poland.....	0	0	0	0	0	38,631	0	0	0	0	0	38,631
Romania.....	0	0	0	0	0	4,375	13	3	0	0	0	4,391
United Kingdom.....	33	0	0	0	14	14	0	0	0	0	12	73
Uruguay.....	0	1,291	618	0	0	0	0	0	0	0	0	1,909
Yugoslavia.....	0	293	0	0	0	11,646	7	0	5	0	0	11,951
Other.....	831	75	10	4	10,358	5,070	801	0	1	838	2,875	20,863
Total <sup>1</sup> .....	703,414	66,919	10,367	19,239	281,966	143,357	10,214	2,906	2,733	8,905	3,977	1,253,997

<sup>1</sup> May not add due to rounding.  
n.s.e. not specified elsewhere.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



Table 450.—Meat: United States imports by type of product, 1974-88

Year	Beef and Veal			Lamb, mutton, and goat, except canned	Pork				Mixed sausage	Variety meats, fresh or frozen	Other meats n.s.e.	Total <sup>1</sup>
	Fresh, chilled, and frozen	Canned, including sausage	Other prepared or preserved		Fresh and frozen	Canned	Other prepared or preserved	Sausage, all types				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1974	489,276	42,621	20,517	9,839	21,599	138,724	1,447	2,425	2,165	2,671	n.a.	n.a.
1975	549,087	28,937	18,329	11,670	14,917	130,863	665	1,944	1,294	2,534	n.a.	n.a.
1976	587,404	53,902	30,979	15,949	11,192	130,158	585	2,094	1,359	2,427	n.a.	n.a.
1977	564,894	43,124	25,618	9,885	12,215	120,388	534	2,209	1,387	2,591	n.a.	n.a.
1978	675,415	46,779	28,689	17,447	27,891	126,045	1,285	2,082	1,743	2,454	n.a.	n.a.
1979	713,354	45,890	28,721	19,714	46,268	113,518	1,575	2,434	1,849	4,695	n.a.	n.a.
1980	642,268	42,729	17,799	15,482	93,143	98,529	1,990	2,929	2,230	4,562	3,116	924,777
1981	544,610	34,932	23,303	14,384	98,226	94,102	1,496	1,935	2,103	3,560	4,291	822,942
1982	607,184	37,747	17,402	8,649	125,282	96,831	1,547	2,372	2,242	2,823	4,408	906,487
1983	565,997	59,073	16,766	8,752	121,707	125,593	2,300	2,176	1,911	3,935	3,606	911,814
1984	516,960	57,863	19,864	8,693	207,703	142,423	3,372	2,243	2,121	5,707	5,088	972,037
1985	594,476	64,277	18,314	15,565	254,538	160,802	6,312	2,192	2,672	5,622	5,305	1,130,075
1986	637,718	45,779	20,778	16,596	263,488	151,730	8,221	2,640	2,849	6,475	4,621	1,160,895
1987	671,153	56,653	17,450	17,204	301,585	147,796	9,387	2,888	4,222	9,590	4,126	1,241,854
1988 <sup>2</sup>	703,414	66,919	10,367	19,239	281,965	143,357	10,214	2,906	2,732	8,905	3,977	1,253,997

<sup>1</sup> May not add due to rounding.<sup>2</sup> Preliminary.

n.s.e. not specified elsewhere.

n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 451.—Meat: International trade, selected countries, 1986-88 <sup>1</sup>

Continent and country	1986		1987		1988 <sup>2</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:						
Canada	376	130	394	157	405	170
Costa Rica	36	0	27	0	23	0
Dominican Republic	11	0	9	0	15	0
El Salvador	1	0	2	0	1	0
Guatemala	9	0	12	0	10	0
Honduras	10	0	9	0	10	0
Mexico	1	6	0	3	0	30
United States	279	1,506	327	1,602	402	1,630
Total <sup>3</sup>	723	1,642	780	1,762	866	1,830
South America:						
Argentina	261	0	294	0	327	0
Brazil	355	500	304	156	560	60
Colombia	11	0	12	0	4	0
Uruguay	198	0	104	0	142	0
Venezuela	0	0	0	21	6	8
Total <sup>3</sup>	825	500	714	177	1,039	68

See footnotes at end of table.

Table 451.—Meat: International trade, selected countries, 1986-88 <sup>1</sup>—Continued

Continent and country	1986		1987		1988 <sup>2</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe:						
Belgium-Luxembourg .....	394	77	424	78	464	76
Denmark .....	1,007	20	986	29	1,005	37
France .....	649	841	604	829	645	872
Germany, Fed. Rep. of .....	710	837	600	880	621	940
Greece .....	0	221	0	246	0	232
Ireland .....	473	26	496	30	451	25
Italy .....	186	961	168	952	155	955
Netherlands .....	1,216	104	1,265	109	1,334	135
United Kingdom .....	306	1,007	313	1,036	270	1,071
Portugal .....	0	31	0	36	0	57
Spain .....	6	92	19	90	35	93
Total EC .....	4,497	4,217	4,875	4,315	4,980	4,493
Austria .....	64	1	63	2	63	3
Finland .....	32	0	39	0	20	4
Sweden .....	75	15	42	28	45	37
Switzerland .....	5	16	6	20	1	18
Total other Europe <sup>3</sup> .....	176	32	150	50	129	62
Bulgaria .....	43	1	43	1	45	1
Czechoslovakia .....	88	15	73	15	78	15
German Dem. Rep. ....	353	0	333	0	315	9
Hungary .....	175	3	170	13	172	18
Poland .....	122	14	128	14	131	50
Romania .....	280	0	310	0	305	0
Yugoslavia .....	55	57	58	55	52	95
Total Eastern Europe <sup>3</sup> .....	1,116	90	1,115	98	1,098	188
Total Europe <sup>3</sup> .....	6,239	4,339	6,140	4,463	6,207	4,743
Soviet Union <sup>4</sup> .....	14	537	14	495	13	353
Africa:						
Egypt .....	0	156	0	237	0	154
South Africa .....	3	27	1	50	1	71
Total <sup>3</sup> .....	3	183	1	287	1	225
Asia:						
China .....	222	1	238	0	287	0
Hong Kong .....	1	300	1	281	1	313
India .....	76	0	79	0	69	0
Israel .....	2	42	8	41	4	44
Japan .....	0	712	0	869	0	994
Korea, Rep. of .....	15	14	19	16	33	45
Philippines .....	0	4	0	7	0	9
Saudi Arabia .....	0	55	4	72	5	43
Singapore .....	5	38	6	42	4	40
Taiwan .....	123	39	194	39	178	46
Turkey .....	36	25	23	23	21	12
Total <sup>3</sup> .....	480	1,230	553	1,390	569	1,546
Oceania:						
Australia .....	1,031	0	1,122	0	1,102	0
New Zealand .....	863	1	922	2	901	3
Total <sup>3</sup> .....	1,894	1	2,044	2	2,003	3
Total selected countries <sup>3</sup> .....	10,178	8,432	10,246	8,576	10,698	8,568

<sup>1</sup> Carcass weight equivalent of beef and veal, pork, and lamb, mutton and goat meat. Excludes fat, offals, and live animals. <sup>2</sup> Preliminary. <sup>3</sup> Totals may not add due to rounding. <sup>4</sup> Estimate based on trading partner data. Reported on product weight bases.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 452.—Meats and lard: Production and consumption, United States, 1974-88 <sup>1</sup>

Year	Beef			Veal			Lamb and mutton		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	23,137	24,683	115.4	486	500	2.3	464	483	2.3
1975.....	23,975	25,675	118.9	873	886	4.1	411	432	2.0
1976.....	25,969	27,770	127.4	852	862	4.0	371	397	1.8
1977.....	25,279	27,199	123.5	833	843	3.8	350	371	1.7
1978.....	24,241	26,235	117.9	631	651	2.9	310	343	1.5
1979.....	21,447	23,712	105.4	435	454	2.0	291	333	1.5
1980.....	21,643	23,513	103.2	400	418	1.8	318	349	1.5
1981.....	22,389	23,977	104.2	435	447	1.9	338	362	1.7
1982.....	22,536	24,118	103.7	448	463	2.0	365	384	1.7
1983.....	23,243	24,821	105.7	453	465	2.0	376	387	1.7
1984.....	23,598	25,000	105.5	495	507	2.1	379	398	1.7
1985.....	23,728	25,472	106.5	515	533	2.2	359	386	1.6
1986.....	24,371	25,935	107.3	524	549	2.3	338	376	1.6
1987.....	23,566	25,201	103.3	429	448	1.8	315	361	1.5
1988.....	23,589	25,188	102.3	396	410	1.7	335	386	1.6

  

Year	Pork			All meats			Lard		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	14,331	14,594	68.2	38,418	40,260	188.3	1,366	681	3.2
1975.....	11,779	11,959	55.4	37,038	38,952	180.4	1,012	633	3.0
1976.....	12,688	12,772	58.6	39,880	41,801	191.7	1,060	585	2.7
1977.....	13,248	13,315	60.5	39,710	41,728	189.5	1,038	510	2.3
1978.....	13,393	13,411	60.3	38,575	40,640	182.6	1,006	486	2.2
1979.....	15,451	15,468	68.7	37,624	39,968	177.6	1,129	569	2.5
1980.....	16,617	16,690	73.3	38,978	40,969	179.9	1,207	588	2.6
1981.....	15,873	16,076	69.9	39,035	40,862	177.6	1,159	573	2.5
1982.....	14,229	14,534	62.5	37,578	39,499	169.9	1,011	586	2.5
1983.....	15,199	15,436	65.7	39,270	41,109	175.1	973	487	2.1
1984.....	14,812	15,470	65.3	39,284	41,375	174.6	939	491	2.1
1985.....	14,807	15,733	65.8	39,409	42,125	176.0	927	425	1.8
1986.....	14,063	15,009	62.1	39,296	41,869	173.3	876	417	1.7
1987.....	14,374	15,235	62.4	38,684	41,244	169.1	863	440	1.8
1988.....	15,684	16,434	66.7	40,004	42,418	172.2	938	436	1.8

<sup>1</sup> Carcass weight equivalent or dressed weight. Beginning 1977, pork production was no longer reported as "pork, excluding lard." This series has been revised to reflect pork production in prior years on a dressed weight basis that is comparable with the method used to report beef, veal, and lamb and mutton. Edible offals are excluded.

Economic Research Service.

**Table 453.—Meat: United States exports and shipments to Territories, and imports into the United States, carcass weight equivalent, 1974-88 <sup>1</sup>**

Year	Exports and shipments to Territories				Imports				
	Beef and veal	Lamb and mutton	Pork <sup>2</sup>	All meat	Beef	Veal	Lamb and mutton	Pork <sup>2</sup>	All meat
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1974	130	8	204	342	1,615	31	26	488	2,160
1975	124	8	317	449	1,758	24	27	439	2,248
1976	169	7	422	599	2,073	22	36	469	2,601
1977	181	6	399	586	1,939	24	22	440	2,425
1978	220	4	422	647	2,297	25	39	495	2,856
1979	222	3	449	672	2,405	26	44	499	2,975
1980	224	4	406	635	2,064	21	33	550	2,668
1981	258	5	452	715	1,743	18	31	541	2,333
1982	310	4	365	680	1,939	19	21	612	2,591
1983	317	4	361	682	1,931	19	18	699	2,666
1984	383	5	311	700	1,823	24	20	954	2,821
1985	384	4	259	647	2,071	20	36	1,128	3,255
1986	579	3	218	800	2,129	27	41	1,122	3,319
1987	668	3	236	907	2,269	24	44	1,195	3,532
1988	756	2	321	1,079	2,379	27	51	1,137	3,594

<sup>1</sup> Carcass weight equivalent of all meat, including the meat content of minor meats and of mixed products. Includes shipments to Puerto Rico, the Virgin Islands, Guam, and Wake Island, 1968-69. Beginning 1970, includes shipments to Puerto Rico and Virgin Islands only.

<sup>2</sup> The pork series has been revised to a dressed weight equivalent rather than "Pork, excluding lard." (See Footnote 1, table 452.)

Economic Research Service. Data on imports and commercial exports and shipments are computed from records of the U.S. Department of Commerce, those on exports and shipments by the U.S. Department of Agriculture are separately estimated from deliveries and stocks.

**Table 454.—Hides, packer: Average price per hundred pounds, Central U.S., 1974-88**

Year	Steers					Cows/heifers		
	Heavy native	Light native	Heavy Texas	Butt branded	Colorado branded	Heavy <sup>1</sup> native	Light <sup>1</sup> native	Brand-ed <sup>2</sup>
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1974	23.38			19.77	18.13	23.46	27.19	19.61
1975	23.25			20.67	18.82	21.60	23.80	17.51
1976	36.11			33.41	31.33	36.25	40.65	33.02
1977	37.29			36.21	34.75	39.21	51.00	36.04
1978	46.54			41.83	42.64	45.55	51.42	45.24
1979	72.68	88.95		66.94	62.51	76.38	88.89	68.74
1980	45.70	50.85	44.18	42.33	38.95	47.07	54.02	43.44
1981	44.19	50.30	44.18	42.19	40.19	46.07	52.38	42.99
1982	42.31	49.82	41.38	39.82	37.17	45.10	49.41	41.78
1983	50.21	57.55	48.10	46.05	45.02	53.48	60.72	51.14
1984	61.02		57.90	58.46	54.02	67.02		64.98
1985	54.63		54.59	51.24	49.83	57.55		55.00
1986	64.09		63.60	61.32	59.40	68.06		60.64
1987	79.92		77.66	78.03	74.04	83.43		81.00
1988	87.99	89.56	85.66	81.88	79.20	86.50	96.89	85.60

<sup>1</sup> Heifers.

<sup>2</sup> Cows.

Agricultural Marketing Service.

Table 455.—Hides and skins: United States imports and exports, 1974-88

Year	Imports				Exports			
	Calf and kip	Cattle <sup>1</sup>	Goat and kid	Sheep and lamb <sup>2</sup>	Calf	Kip	Cattle <sup>3</sup>	Sheep and lamb <sup>2</sup>
	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces
1974.....	439	520	583	15,732	1,802	365	18,429	4,897
1975.....	222	959	879	15,520	2,051	352	21,269	4,571
1976.....	93	962	1,255	16,615	1,657	505	25,270	3,409
1977.....	91	932	1,137	15,468	2,052	447	24,484	836
1978.....	179	704	1,762	17,807	2,079	351	24,792	* 1,444
1979.....	126	673	2,444	15,529	1,970	352	23,731	2,279
1980.....	64	880	519	9,027	2,205	290	19,568	1,675
1981.....	99	1,028	821	14,237	2,542	485	19,703	1,232
1982.....	118	657	661	8,374	2,919	459	23,168	2,429
1983.....	138	664	222	7,935	2,204	442	21,861	2,003
1984.....	121	711	412	7,424	2,112	478	25,899	3,197
1985.....	173	1,044	388	6,259	2,234	486	25,428	2,538
1986.....	178	767	426	5,575	2,419	634	26,828	3,436
1987.....	256	488	467	4,649	2,200	874	24,255	5,588
1988 <sup>4</sup> .....	460	642	296	4,337	2,043	791	24,687	2,476

<sup>1</sup> Excludes pieces of cattle hides reported in units of pounds.

<sup>2</sup> Includes cabretta and hair sheepskins.

<sup>3</sup> Schedule B numbers 211.6000 and 211.7000 have been dropped from hides and skins count due to Schedule B changes implemented January 1, 1978.

<sup>4</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 456.—Hides and skins: United States imports by country of origin, 1986-88

Country of origin	1986	1987	1988 <sup>1</sup>	Country of origin	1986	1987	1988 <sup>1</sup>
	1,000 pieces	1,000 pieces	1,000 pieces		1,000 pieces	1,000 pieces	1,000 pieces
Cattle hides: <sup>2</sup>				Sheep and lambs: <sup>3</sup>			
Canada.....	595	338	477	Afghanistan.....	0	0	0
Honduras.....	0	0	0	Ethiopia.....	295	765	507
Other countries.....	172	150	165	United Kingdom.....	107	34	247
Total.....	767	488	642	South Africa.....	12	0	0
				Iran.....	356	188	63
Calf and kip:				Australia.....	190	319	114
Canada.....	135	168	208	New Zealand.....	3,134	2,025	1,371
Other countries.....	43	88	252	Germany, Fed. Rep. of.....	0	24	0
Total.....	178	256	460	France.....	223	226	207
				Argentina.....	9	26	5
Goat and kid:				Canada.....	212	193	202
Botswana.....	0	23	11	Sudan.....	572	345	634
Haiti.....	0	36	73	Nigeria.....	176	390	291
Sudan.....	30	12	58	Other countries.....	264	151	870
Greece.....	0	28	54	Total.....	5,560	4,709	4,511
Iran.....	9	156	0				
China.....	169	26	16				
Other countries.....	243	249	84				
Total.....	451	530	296				

<sup>1</sup> Preliminary.

<sup>2</sup> Excludes pieces of cattle hides reported in units of pounds.

<sup>3</sup> Includes cabretta and hair sheepskins; excludes pieces of sheep and lamb skins reported in pounds.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 457.—Hides and skins: United States exports by country of destination, 1986-88

Country of destination	1986	1987	1988 <sup>1</sup>	Country of destination	1986	1987	1988 <sup>1</sup>
	1,000 pieces	1,000 pieces	1,000 pieces		1,000 pieces	1,000 pieces	1,000 pieces
<b>Cattle hides: <sup>2</sup></b>				<b>Calf skins:</b>			
Canada .....	715	924	715	Canada .....	135	137	127
Mexico .....	1,042	1,437	155	Mexico .....	211	109	68
France .....	277	156	93	Czechoslovakia .....	0	0	0
Germany, Fed. Rep. of .....	85	56	97	Germany, Fed. Rep. of .....	16	0	0
Italy .....	1,299	394	320	Italy .....	272	712	818
Spain .....	255	200	143	Korea, Rep. of .....	9	18	2
Romania .....	704	292	624	Spain .....	6	5	25
Taiwan .....	3,598	3,177	249	Japan .....	1,380	1,041	872
Korea, Rep. of .....	9,418	10,148	9,986	Other countries .....	390	178	131
Japan .....	6,684	5,971	7,140	<b>Total .....</b>	<b>2,419</b>	<b>2,200</b>	<b>2,043</b>
Czechoslovakia .....	523	315	249				
Other countries .....	2,228	1,185	4,916	<b>Kipskins:</b>			
<b>Total .....</b>	<b>26,828</b>	<b>24,255</b>	<b>24,687</b>	Canada .....	62	56	51
<b>Sheep and lamb skins: <sup>3</sup></b>				Korea, Rep. of .....	9	34	10
Canada .....	25	128	109	Italy .....	104	35	77
Japan .....	213	542	314	Germany, Fed. Rep. of .....	0	0	1
Brazil .....	27	0	0	Hungary .....	18	0	0
Germany, Fed. Rep. of .....	43	18	64	Japan .....	268	651	549
Italy .....	1,360	1,912	658	Other countries .....	174	98	103
United Kingdom .....	139	347	98	<b>Total .....</b>	<b>635</b>	<b>874</b>	<b>791</b>
Poland .....	79	47	32				
Other countries .....	1,550	2,594	1,201				
<b>Total .....</b>	<b>3,436</b>	<b>5,588</b>	<b>2,476</b>				

<sup>1</sup> Preliminary.<sup>2</sup> Excludes pieces of cattle hides reported in units of pounds.<sup>3</sup> Schedule B numbers 211.6000 and 211.7000 have been dropped from hides and skins count due to Schedule B changes implemented January 1, 1978.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 458.—Livestock and poultry inventory: Index numbers, United States, Jan. 1, 1976-89 <sup>1</sup>

(1977 = 100)

Year	Total livestock and poultry	Meat animals	Milk cattle <sup>2</sup>	Poultry	Year	Total livestock and poultry	Meat animals	Milk cattle <sup>2</sup>	Poultry
1976.....	103	103	101	100	1983.....	95	94	103	101
1977.....	100	100	100	100	1984.....	94	94	104	97
1978.....	96	96	99	102	1985.....	90	90	102	99
1979.....	93	92	99	106	1986.....	4 87	87	105	4 98
1980.....	94	94	99	108	1987 <sup>3</sup> .....	4 84	84	99	4 98
1981.....	96	96	101	106	1988.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1982.....	96	96	103	103	1989.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

<sup>1</sup> For method of combining species and weights in construction of these index numbers see Agricultural Handbook No. 365, Volume II, major statistical series of the U.S. Department of Agriculture, April 1970. Weights based on 1967 sales values relative to milk cows are as follows: Milk cows, 1.00; beef cattle and calves, 0.71; hogs, 0.17; sheep and lambs, 0.07; chickens, 0.001; and turkey breeder hens, 0.014. Index computations for Jan. 1 uses turkey breeder hens, all chickens (excluding commercial broilers), and hogs and pigs on hand Dec. 1 preceding year.<sup>2</sup> Weights for milk cattle are as follows: Milk cows, 1.00; heifers weighing 500 lbs. and over, 0.56.<sup>3</sup> Preliminary.<sup>4</sup> Excludes turkey breeder hens due to discontinued estimates.<sup>5</sup> Data discontinued.

National Agricultural Statistics Service.

Table 459.—Mink pelts: Number produced by color class, major States, and United States, 1988 <sup>1</sup>

State	Stand- ard	Ranch wild	Demi- buff <sup>1</sup>	Pastel	Pale brown	Sap- phire	Gun- metal	Mahog- any	Pearl	Laven- der Hope	Pink	Violet type	White	Miscel- laneous and unclas- sified	Total pelts
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
ID.....	66,500	47,300	60,900	19,800	100	3,500	12,400	36,400	7,200	.....	2,000	2,100	3,700	100	262,000
IL.....	87,600	( <sup>2</sup> )	10,700	( <sup>2</sup> )	.....	.....	( <sup>2</sup> )	( <sup>2</sup> )	6,900	.....	( <sup>2</sup> )	600	( <sup>2</sup> )	.....	196,100
IN.....	10,500	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	.....	.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	.....	.....	( <sup>2</sup> )	.....	.....	16,200
IA.....	70,500	3,400	19,200	15,100	30	6,500	7,900	3,700	12,400	.....	.....	10,700	700	3,900	154,000
MA.....	2,100	( <sup>2</sup> )	( <sup>2</sup> )	1,300	.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2,500	.....	.....	( <sup>2</sup> )	.....	.....	10,700
MI.....	69,000	17,700	14,800	7,700	.....	( <sup>2</sup> )	( <sup>2</sup> )	23,700	8,900	( <sup>2</sup> )	.....	12,100	5,000	( <sup>2</sup> )	161,100
MN.....	195,900	165,000	41,600	23,700	( <sup>2</sup> )	5,400	19,800	41,000	7,900	.....	( <sup>2</sup> )	( <sup>2</sup> )	14,400	100	536,000
NY.....	55,300	( <sup>2</sup> )	14,400	4,000	( <sup>2</sup> )	( <sup>2</sup> )	2,700	7,600	3,500	.....	( <sup>2</sup> )	7,200	( <sup>2</sup> )	.....	104,100
OH.....	72,200	14,500	1,100	6,100	400	500	100	30,600	100	.....	.....	600	.....	200	126,400
OR.....	104,300	( <sup>2</sup> )	( <sup>2</sup> )	2,800	.....	20,900	90,500	6,400	60	.....	( <sup>2</sup> )	14,300	.....	.....	255,000
PA.....	43,400	( <sup>2</sup> )	17,800	9,700	( <sup>2</sup> )	13,300	23,800	24,500	4,400	( <sup>2</sup> )	9,000	3,500	( <sup>2</sup> )	1,200	162,700
SD.....	13,100	46,000	( <sup>2</sup> )	4,400	.....	.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	.....	.....	( <sup>2</sup> )	.....	.....	95,200
UT.....	394,300	30,800	161,800	16,900	400	14,600	34,700	78,600	16,200	.....	800	19,300	100	1,500	770,000
WA.....	123,200	7,600	46,900	3,500	.....	2,500	50,900	8,900	( <sup>2</sup> )	.....	( <sup>2</sup> )	( <sup>2</sup> )	.....	.....	244,000
WI.....	586,400	61,500	62,700	61,600	300	19,600	46,400	133,400	13,200	10,000	24,000	38,000	63,800	600	1,121,500
Other States.....	55,600	71,900	58,300	4,100	100	1,800	6,200	26,800	2,400	600	2,400	2,800	4,800	( <sup>2</sup> )	238,100
US.....	1,949,900	490,900	519,900	186,800	1,700	90,900	300,500	515,200	95,700	11,000	69,500	114,100	98,500	8,500	4,453,100

<sup>1</sup> Demi-buff includes crosses of Dark brown, Violet, Pastel, Standard, Pearl or others.

<sup>2</sup> Included in total to avoid disclosing individual operations.

National Agricultural Statistics Service.

**Table 460.—Mink farms, pelts produced and value of mink pelts, United States, 1974-88**

Year	Mink farms	Pelts produced	Average marketing price	Value of mink pelts
	<i>Number</i>	<i>Thousand</i>	<i>Dollars</i>	<i>Million dollars</i>
1974.....	1,221	3,128		
1975.....	1,084	3,067	24.10	73.9
1976.....	1,015	3,026	29.00	87.8
1977.....	1,040	3,076	28.30	87.1
1978.....	1,095	3,358	39.30	132.0
1979.....	1,105	3,394	41.10	139.5
1980.....	1,122	3,501	35.30	123.6
1981.....	( <sup>2</sup> )	( <sup>2</sup> )	32.20	( <sup>2</sup> )
1982.....	1,116	4,085	28.90	118.1
1983.....	1,098	4,137	29.90	123.7
1984.....	1,084	4,220	30.80	130.0
1985.....	1,042	4,171	28.00	116.8
1986.....	989	4,096	41.30	170.0
1987 <sup>3</sup> .....	1,027	4,122	43.00	177.2
1988 <sup>4</sup> .....	1,027	4,453	32.30	143.8

<sup>1</sup> Data not available prior to 1975.

<sup>2</sup> Data not available for 1981.

<sup>3</sup> Revised, based on additional information.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 461.—Livestock: Number of animals slaughtered under Federal inspection and number of whole carcasses condemned, 1974-88**

Year	Cattle		Calves		Sheep and lambs		Goats		Hogs		Horses	
	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>
	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>
1974.....	33,319	100.1	2,355	16.4	8,556	37.3	72		77,071	155.2	207	
1975.....	36,904	111.0	3,894	26.6	7,552	32.9	49		64,926	131.2	247	
1976.....	38,992	117.0	4,438	30.8	6,474	27.9	41		70,454	140.4	293	
1977.....	38,717	121.9	4,696	63.3	6,133	31.5	45	0.3	74,019	198.9	317	3.0
1978.....	36,948	143.0	3,620	54.9	5,169	41.3	45	.6	74,139	257.8	323	2.1
1979.....	31,504	111.8	2,499	39.4	4,833	30.1	63	.7	85,425	291.1	304	1.9
1980.....	31,642	108.2	2,294	33.0	5,363	31.9	93	.9	91,882	318.7	274	1.7
1981.....	32,819	110.9	2,478	31.2	5,789	36.8	63	.5	87,851	279.2	219	1.3
1982.....	33,907	121.3	2,729	37.8	6,273	57.1	84	1.2	79,328	247.8	149	.9
1983.....	34,816	122.9	2,798	36.1	6,412	31.3	79	.5	84,762	189.1	99	.7
1984.....	35,880	139.5	3,030	41.3	6,549	36.0	119	1.1	82,478	202.9	105	.5
1985.....	34,765	122.6	3,168	44.1	5,976	29.8	124	.8	81,974	179.1	128	.7
1986.....	35,913	132.1	3,195	51.9	5,464	22.9	153	1.0	77,290	168.9	199	1.0
1987.....	34,468	125.5	2,680	44.2	5,042	21.3	187	1.5	78,913	144.9	276	1.3
1988.....	34,048	130.7	2,411	39.4	5,122	23.8	224	1.4	85,517	170.1	323	1.2

<sup>1</sup> Condemnations for 1974-76 do not include ante-mortem cases of parts of carcasses. Beginning with 1977, condemnations include ante-mortem and post-mortem inspection. Beginning with 1980, condemnations are for the fiscal year ending September 30. Data reported by Food Safety and Inspection Service, USDA.

National Agricultural Statistics Service.



## CHAPTER VIII

# DAIRY AND POULTRY STATISTICS

Dairy statistics in this chapter include series relating to many phases of production, movement, prices, stocks, and consumption of milk and its products. Two series of number of milk cows on farms are included in this publication. One series is an inventory number of a specific classification estimated as one of the major groups making up the total cattle population on January 1. The other series identified as "milk cows" is an annual average number of milk cows during the year (excluding any not yet fresh) and is used in estimating milk production.

In comparing the several series of milk prices, it is important to note that prices received by farmers for all whole milk sold are for milk or milkfat content as actually sold, while certain prices paid by dealers for milk for fluid purposes or for specified manufacturing purposes may be quoted on a 3.5 percent butterfat basis, or for some types of manufacturing milk on the test of the milk used for that particular purpose.

Poultry and poultry products statistics include inventory numbers of chickens by classes; the production, disposition, cash receipts, and gross income from chickens and eggs; poultry and egg receipts at principal markets; commercial broiler production; turkey production, disposition, and gross income; poultry and eggs under Federal inspection; and the National Poultry Improvement Plan. Estimates relating to inventories, production, and income exclude poultry and eggs produced on places not classified as farms.

**Table 462.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, United States, Jan. 1, 1974–89**

Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements	Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements
	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>
1974.....	11,297	3,941	1982.....	10,986	4,547
1975.....	11,220	4,087	1983.....	11,047	4,545
1976.....	11,071	3,956	1984.....	11,109	4,532
1977.....	10,998	3,887	1985.....	10,505	4,760
1978.....	10,896	3,886	1986.....	11,177	4,761
1979.....	10,790	3,932	1987.....	10,502	4,331
1980.....	10,758	4,159	1988.....	10,298	4,116
1981.....	10,849	4,342	1989 <sup>1</sup> .....	10,217	4,198

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 463.—Milk cow rations: Quantities and value of concentrates fed, by States, 1987 and 1988

State	Grain and other concentrates fed during calendar year				Value per 100 pounds of concentrate rations fed during the year	
	Per cow		Per 100 pounds of milk produced		1987	1988
	1987	1988	1987	1988		
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	6,400	6,830	51	51	7.45	8.58
AK.....	7,570	7,020	50	48	12.70	12.50
AZ.....	7,800	8,090	49	48	6.22	6.88
AR.....	6,190	6,270	53	54	6.99	8.03
CA.....	7,550	7,360	42	40	6.52	7.25
CO.....	7,150	7,630	45	46	5.98	6.75
CT.....	5,520	5,710	38	38	7.42	9.00
DE.....	5,710	5,950	39	41	7.50	8.19
FL.....	9,480	10,200	76	79	6.22	7.38
GA.....	5,830	5,940	50	50	7.17	8.36
ID.....	5,680	6,100	38	39	5.38	6.25
IL.....	5,240	5,170	40	38	6.96	7.95
IN.....	5,480	5,440	44	42	7.07	7.95
IA.....	4,820	4,910	41	40	6.23	6.80
KS.....	5,670	6,100	48	50	6.04	6.95
KY.....	5,150	5,110	48	47	7.12	8.46
LA.....	5,480	5,990	55	56	7.44	8.46
ME.....	5,070	5,320	37	38	8.06	9.20
MD.....	5,030	4,900	38	37	7.75	8.49
MA.....	5,470	5,640	38	39	7.48	8.88
MI.....	6,250	6,420	43	43	5.82	6.86
MN.....	5,330	5,060	42	39	6.18	6.74
MS.....	5,570	5,600	51	48	7.16	8.20
MO.....	6,560	6,830	50	51	6.50	7.57
MT.....	5,430	5,630	41	40	6.21	6.94
NE.....	5,780	5,830	44	44	6.20	6.66
NV.....	5,410	4,780	37	34	7.08	8.00
NH.....	4,710	4,960	35	36	7.56	8.96
NJ.....	4,190	4,620	32	35	8.54	8.90
NM.....	7,760	8,690	46	49	5.68	6.44
NY.....	4,500	4,590	34	33	7.78	8.86
NC.....	6,080	6,160	43	42	8.05	9.15
ND.....	5,100	5,190	43	45	4.72	5.96
OH.....	5,460	5,390	42	41	6.97	8.02
OK.....	4,940	4,920	46	45	6.16	7.42
OR.....	6,080	5,920	38	37	7.60	8.24
PA.....	5,650	5,550	40	39	7.52	8.79
RI.....	5,240	5,490	38	38	7.44	8.94
SC.....	5,840	5,670	47	46	7.51	8.55
SD.....	5,590	5,160	47	43	5.90	6.64
TN.....	4,780	5,170	44	47	8.01	8.88
TX.....	6,670	7,110	51	51	6.38	7.50
UT.....	6,360	5,680	42	36	5.97	6.56
VT.....	4,710	4,800	34	34	7.82	9.08
VA.....	5,420	5,310	39	38	8.25	9.36
WA.....	6,510	6,790	36	37	6.78	7.60
WV.....	4,360	4,240	40	38	8.00	8.77
WI.....	5,250	5,330	38	37	6.94	7.99
WY.....	3,960	3,750	32	30	5.76	6.04
US.....	5,736	5,799	41.6	40.8	6.80	7.75

National Agricultural Statistics Service.

**Table 464.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, by States, Jan. 1, 1988 and 1989**

State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements		State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements	
	1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>		1988	1989 <sup>1</sup>	1988	1989 <sup>1</sup>
	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands
AL.....	40	39	12	14	NE.....	100	103	30	30
AK.....	2.3	1.9	7	6	NV.....	19	19	7	7
AZ.....	90	92	19	20	NH.....	23	21	10	10
AR.....	72	68	30	25	NJ.....	31	30	12	12
CA.....	1,005	1,025	470	485	NM.....	59	63	18	16
CO.....	72	75	32	30	NY.....	844	811	291	296
CT.....	37	35	14	14	NC.....	105	107	34	37
DE.....	9	9	2	2	ND.....	99	88	26	21
FL.....	179	182	30	40	OH.....	368	367	165	176
GA.....	102	104	38	40	OK.....	108	107	35	35
HI.....	12	12	5	4	OR.....	94	94	44	44
ID.....	160	170	68	67	PA.....	724	719	292	290
IL.....	210	200	95	80	RI.....	2.9	2.4	1.2	1.1
IN.....	190	180	85	80	SC.....	43	41	16	15
IA.....	299	310	128	120	SD.....	147	144	42	38
KS.....	104	104	41	41	TN.....	204	202	75	80
KY.....	218	215	77	80	TX.....	340	355	100	120
LA.....	87	88	26	25	UT.....	73	74	35	39
ME.....	47	43	19	19	VT.....	170	170	52	53
MD.....	113	109	44	43	WA.....	145	142	85	80
MA.....	33	30	8	9	WV.....	211	216	80	104
MI.....	358	345	161	157	WY.....	31	26	10	10
MN.....	810	810	342	370	WI.....	1,790	1,740	775	795
MS.....	68	68	24	26	WY.....	10	10	3	1
MO.....	224	226	95	90	US.....	10,298.2	10,217.3	4,115.9	4,198.7
MT.....	25	25	7	7					

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 465.—Dairy product-feed price ratios: Milk-feed; dairy feed, 16%; Milk-feed price ratios and value per 100 pounds of grain and concentrate rations fed to milk cows, United States, annual 1974-88**

Year	Milk price cwt.	16% dairy feed price cwt.	Milk-feed price ratio <sup>1 2</sup>	Value per 100 pounds of grain and concentrates fed to milk cows	Year	Milk price cwt.	16% dairy feed price cwt.	Milk-feed price ratio <sup>1 2</sup>	Value per 100 pounds of grain and concentrates fed to milk cows
	Dollars	Dollars	Pounds	Dollars		Dollars	Dollars	Pounds	Dollars
1974.....	8.33	6.90	1.22	6.23	1982.....	13.61	8.85	1.54	7.45
1975.....	8.75	6.75	1.31	6.25	1983.....	13.58	9.40	1.45	7.88
1976.....	9.66	7.05	1.37	6.31	1984.....	13.46	9.55	1.41	8.16
1977.....	9.72	7.00	1.39	6.20	1985.....	12.75	8.40	1.52	7.95
1978.....	10.60	6.90	1.53	6.08	1986.....	12.50	8.00	1.57	7.00
1979.....	12.02	7.80	1.55	6.68	1987.....	12.54	7.70	1.63	6.80
1980.....	13.05	8.85	1.48	7.42	1988.....	12.20	9.10	1.34	7.75
1981.....	13.77	9.60	1.44	8.02					

<sup>1</sup> Annual ratios based on average of monthly ratios.

<sup>2</sup> Pounds of 16% mixed dairy feed equal in value to one pound of whole milk.

National Agricultural Statistics Service.

**Table 466.—Official National Cooperative Dairy Herd Improvement Program testing plans: Numbers of herds and cows and milk, fat, and protein production, United States, 1974-88**

Year	Herds	Cows	Cows per herd	Average production			Cows with protein information	Average protein production	
				Milk	Fat			Pounds	Percent
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>	<i>Percent</i>
1974.....	32,222	2,432,961	75.5	13,421	3.76	505			
1975.....	32,232	2,438,365	75.7	13,632	3.75	511			
1976.....	33,755	2,581,164	76.5	14,435	3.73	539			
1977.....	34,972	2,704,064	77.3	14,681	3.70	542			
1978.....	36,105	2,792,175	77.3	14,644	3.70	542			
1979.....	37,576	2,966,558	78.9	14,786	3.70	547			
1980.....	39,524	3,197,353	80.8	14,960	3.70	553			
1981.....	40,933	3,382,977	82.6	15,134	3.68	558	2	3.28	507
1982.....	41,029	3,431,507	83.6	15,274	3.69	564	24	3.27	506
1983.....	40,745	3,446,570	84.6	15,520	3.68	572	41	3.27	515
1984.....	39,100	3,262,174	83.4	15,587	3.70	577	60	3.25	502
1985.....	37,661	3,322,771	88.2	16,279	3.69	600	70	3.23	519
1986.....	34,779	3,102,698	89.2	16,654	3.67	612	79	3.23	532
1987.....	34,413	3,160,551	91.8	17,008	3.68	625	86	3.22	541
1988.....	34,020	3,168,186	93.1	17,379	3.68	640	88	3.22	555

Agricultural Research Service.

**Table 467.—Cattle: Tuberculin tests in cooperation with States, 1974-88**

Year	Tuberculin Tests						Infected and exposed <sup>1</sup> herds (fiscal year)
	Herds and lots	Cattle	Reactors reported				
			Herds and lots		Cattle		
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>
1974.....	101,734	2,487,798	231	0.23	1,573	0.06	30
1975.....	94,769	2,367,458	158	.17	1,306	.06	47
1976.....	103,441	2,484,550	298	.29	1,879	.08	52
1977.....	98,483	2,322,110	175	.18	3,967	.17	29
1978.....	103,037	2,307,487	92	.09	490	.02	28
1979.....	108,813	2,422,334	54	.05	688	.03	17
1980.....	108,535	2,279,974	54	.05	1,668	.07	6
1981.....	106,715	2,221,228	57	.05	147	.01	13
1982.....	100,156	2,253,751	39	.04	187	.01	11
1983.....	92,333	2,172,572	46	.05	721	.03	14
1984.....	87,691	2,167,018	37	.04	244	.01	7
1985.....	38,961	2,413,451	58	.10	597	.02	30
1986.....	68,026	1,655,111	66	.04	308	.03	22
1987.....	52,659	1,361,793	29	.06	99	.01	17
1988.....	80,211	1,918,837	97	.12	457	.02	9

<sup>1</sup> All methods of surveillance and detection.

Animal and Plant Health Inspection Service.

Table 468.—Cattle: Brucellosis work in cooperation with States, 1974–87

Year	Milk ring tests <sup>1</sup>			Market cattle blood tests		
	Herd tests	Suspicious herd tests		Cattle tested	Reactor cattle	
	Number	Number	Percent	Number	Number	Percent
1974	881,195	2,247	0.3	10,007,454	72,348	0.7
1975	841,392	2,642	.3	13,524,598	90,949	.7
1976	730,737	2,096	.3	13,939,367	85,443	.6
1977	760,576	2,272	.3	13,608,558	71,994	.5
1978	849,527	2,285	.3	13,325,556	70,997	.5
1979	763,439	2,315	.3	10,462,153	52,236	.5
1980	805,507	3,357	.4	11,290,190	50,369	.4
1981	826,745	4,675	.6	11,589,338	50,010	.4
1982	938,779	3,295	.4	12,871,496	51,876	.4
1983	958,532	3,494	.4	13,571,664	45,752	.3
1984	853,123	2,450	.3	14,896,290	42,230	.3
1985	845,518	2,041	.2	13,475,371	37,293	.3
1986	820,301	2,975	.4	13,505,732	33,835	.3
1987						

  

Year	Cattle blood tested on farm or ranch <sup>2</sup>						Adjusted cattle infection rate <sup>3</sup>	Calves vaccinated
	Herd or lot tests	Infected herds or lots		Cattle tested	Reactor cattle			
	Number	Number	Percent	Number	Number	Percent		
1974	228,897	34,144	14.9	6,073,077	157,027	2.6	0.9	4,010,475
1975	238,184	37,117	15.6	6,947,008	181,214	2.6	.9	3,720,441
1976	258,710	36,901	14.3	7,454,452	181,165	2.4	.9	3,779,108
1977	268,750	32,904	12.2	7,247,352	168,607	2.3	.8	3,780,309
1978	271,335	28,846	10.6	6,895,966	154,877	2.2	.8	4,269,151
1979	266,991	27,567	10.3	6,713,199	141,665	2.1	.7	5,341,033
1980	279,053	28,692	10.3	7,249,853	148,019	2.0	.8	6,355,745
1981	292,495	26,488	9.1	7,509,101	136,148	1.8	.3	7,090,102
1982	264,508	23,767	9.0	6,682,461	121,635	1.8	.6	7,675,006
1983	243,395	19,962	8.2	6,163,513	102,180	1.7	.5	8,353,098
1984	206,997	15,511	7.5	5,339,039	75,864	1.4	.4	9,203,815
1985	186,491	12,141	6.5	5,003,729	61,466	1.2	.3	9,214,216
1986	167,671	9,343	5.6	4,628,755	46,558	1.0	.3	8,704,296
1987								

<sup>1</sup> Represents multiple milk ring tests each year for the commercial dairy herd.

<sup>2</sup> Includes an increasing proportion of herds tested each year because of suspicious milk ring or market cattle test results.

<sup>3</sup> Percent of cattle infected based on results of tests conducted on farm and ranch, livestock markets, slaughter plants, and negative cattle represented under the milk ring testing program.

Animal and Plant Health Inspection Service.

**Table 469.—Milk and milkfat production: Number of producing cows, yield per cow, and total quantity produced, United States, 1974-88**

Year	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	11,230	10,298	377	3.67	115,586	4,238
1975.....	11,139	10,360	381	3.68	115,398	4,240
1976.....	11,032	10,894	399	3.66	120,180	4,402
1977.....	10,945	11,206	410	3.65	122,654	4,481
1978.....	10,803	11,243	412	3.67	121,461	4,455
1979.....	10,734	11,492	420	3.66	123,350	4,512
1980.....	10,799	11,891	435	3.65	128,406	4,692
1981.....	10,898	12,183	444	3.64	132,770	4,836
1982.....	11,011	12,306	450	3.65	135,505	4,950
1983.....	11,098	12,585	460	3.66	139,672	5,105
1984.....	10,833	12,503	458	3.66	135,450	4,964
1985.....	11,016	12,994	476	3.67	143,147	5,249
1986.....	10,813	13,260	486	3.67	143,381	5,258
1987.....	10,329	13,802	504	3.65	142,557	5,208
1988 <sup>3</sup> .....	10,239	14,213	522	3.67	145,527	5,347

<sup>1</sup> Average number during year, excluding heifers not yet fresh.<sup>2</sup> Excludes milk sucked by calves.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 470.—Milk: Quantities used and marketed by farmers, United States, 1974-88**

Year	Milk used on farms where produced			Milk marketed by producers			
	Fed to calves <sup>1</sup>	Consumed as fluid milk or cream	Total	Sold to plants and dealers <sup>2</sup>		Sold directly to consumers <sup>3</sup>	Total
				As whole milk	As farm separated cream		
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1974.....	1,558	1,643	3,201	110,420	421	1,544	112,385
1975.....	1,566	1,495	3,061	110,460	314	1,563	112,337
1976.....	1,567	1,392	2,959	115,479	230	1,512	117,221
1977.....	1,541	1,283	2,824	118,154	182	1,495	119,831
1978.....	1,497	1,168	2,665	117,203	102	1,490	118,795
1979.....	1,442	1,040	2,483	119,379	(*)	1,489	120,869
1980.....	1,395	943	2,338	124,598	(*)	1,470	126,067
1981.....	1,418	886	2,304	128,994	(*)	1,472	130,467
1982.....	1,521	839	2,361	131,859	(*)	1,285	133,144
1983.....	1,527	842	2,369	136,090	(*)	1,211	137,301
1984.....	2,134	804	2,938	131,371	(*)	1,141	132,513
1985.....	1,747	709	2,456	139,436	(*)	1,255	140,691
1986.....	1,736	677	2,412	139,792	(*)	1,176	140,969
1987.....	1,606	656	2,263	139,092	(*)	1,202	140,294
1988 <sup>5</sup> .....	1,615	621	2,235	142,118	(*)	1,173	143,292

<sup>1</sup> Excludes milk sucked by calves.<sup>2</sup> Includes milk produced by dealers' own herds.<sup>3</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds.<sup>4</sup> Equivalent amount of milk included in whole milk to plants and dealers.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 471.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1987

State	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
AL.....	40	12,550	456	3.63	502	18.2
AK.....	2.3	15,130	517	3.42	34.8	1.2
AZ.....	90	15,911	592	3.72	1,432	53.3
AR.....	64	11,688	415	3.55	748	26.6
CA.....	998	17,966	652	3.63	17,930	650.9
CO.....	75	15,893	583	3.67	1,192	43.7
CT.....	38	14,921	555	3.72	567	21.1
DE.....	9.5	14,632	540	3.69	139.0	5.1
FL.....	177	12,480	438	3.51	2,209	77.5
GA.....	99	11,717	425	3.63	1,160	42.1
HI.....	11.6	13,448	459	3.41	156.0	5.3
ID.....	159	14,937	539	3.61	2,375	85.7
IL.....	212	13,090	480	3.67	2,775	101.8
IN.....	194	12,376	459	3.71	2,401	89.1
IA.....	302	12,066	438	3.63	3,644	132.3
KS.....	105	12,010	440	3.66	1,261	46.2
KY.....	218	10,725	395	3.68	2,338	86.0
LA.....	88	10,011	356	3.56	881	31.4
ME.....	48	13,958	526	3.77	670	25.3
MD.....	114	13,228	487	3.68	1,508	55.5
MA.....	35	14,457	542	3.75	506	19.0
MI.....	361	14,537	528	3.63	5,248	190.5
MN.....	823	12,680	458	3.61	10,436	376.7
MS.....	72	10,917	395	3.62	786	28.5
MO.....	222	13,243	483	3.65	2,940	107.3
MT.....	25	13,560	477	3.52	339	11.9
NE.....	102	13,137	481	3.66	1,340	49.0
NV.....	19.0	13,053	470	3.60	248.0	8.9
NH.....	24	13,458	510	3.79	323	12.2
NJ.....	33	13,212	482	3.65	436	15.9
NM.....	58	16,879	601	3.56	979	34.9
NY.....	858	13,331	487	3.65	11,438	417.5
NC.....	110	14,136	526	3.72	1,555	57.8
ND.....	93	11,688	417	3.57	1,087	38.8
OH.....	370	13,014	479	3.68	4,815	177.2
OK.....	109	10,734	386	3.60	1,170	42.1
OR.....	92	15,989	598	3.74	1,471	55.0
PA.....	721	14,123	513	3.67	10,183	373.7
RI.....	2.9	13,793	509	3.69	40.0	1.5
SC.....	39	12,487	491	3.93	487	19.1
SD.....	148	11,608	418	3.60	1,718	61.8
TN.....	203	10,872	399	3.67	2,207	81.0
TX.....	329	13,070	467	3.57	4,300	153.5
UT.....	74	15,149	544	3.59	1,121	40.2
VT.....	174	13,851	517	3.73	2,410	89.9
VA.....	145	13,924	510	3.66	2,019	73.9
WA.....	208	18,091	668	3.69	3,763	138.9
WV.....	32	10,906	400	3.67	349	12.8
WI.....	1,795	13,816	510	3.69	24,800	915.1
WY.....	9.7	12,371	449	3.63	120.0	4.4
US <sup>3</sup> .....	10,329	13,802	504	3.65	142,557	5,207.5

<sup>1</sup> Average number during year, excluding heifers not yet fresh.<sup>2</sup> Excludes milk sucked by calves.<sup>3</sup> U.S. total will not add due to rounding.

National Agricultural Statistics Service.

Table 472.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1988 (preliminary)

State	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	Thousands	Pounds	Pounds	Percent	Million pounds	Million pounds
AL.....	39	13,385	489	3.65	522	19.1
AK.....	2.1	14,619	506	3.46	30.7	1.1
AZ.....	89	16,854	632	3.75	1,500	56.3
AR.....	68	11,603	414	3.57	789	28.2
CA.....	1,015	18,403	674	3.66	18,679	683.7
CO.....	74	16,581	614	3.70	1,227	45.4
CT.....	36	15,028	562	3.74	541	20.2
DE.....	9.3	14,516	537	3.70	135.0	5.0
FL.....	182	12,912	457	3.54	2,350	83.2
GA.....	104	11,875	436	3.67	1,235	45.3
HI.....	12.0	13,333	463	3.47	160.0	5.6
ID.....	168	15,643	566	3.62	2,628	95.1
IL.....	206	13,617	498	3.66	2,805	102.7
IN.....	186	12,941	481	3.72	2,407	89.5
IA.....	307	12,267	443	3.61	3,766	136.0
KS.....	104	12,202	445	3.65	1,269	46.3
KY.....	214	10,874	401	3.69	2,327	85.9
LA.....	87	10,690	381	3.56	930	33.1
ME.....	46	14,000	531	3.79	644	24.4
MD.....	109	13,239	490	3.70	1,443	53.4
MA.....	32	14,469	545	3.77	463	17.5
MI.....	350	14,937	547	3.66	5,228	191.3
MIN.....	802	12,983	473	3.64	10,412	379.0
MS.....	68	11,676	425	3.64	794	28.9
MO.....	224	13,393	490	3.66	3,000	109.8
MT.....	25	14,080	493	3.50	352	12.3
NE.....	103	13,243	486	3.67	1,364	50.1
NV.....	19.0	14,053	510	3.63	267.0	9.7
NH.....	22	13,773	523	3.80	303	11.5
NJ.....	30	13,200	483	3.66	396	14.5
NM.....	62	17,726	633	3.57	1,099	39.2
NY.....	822	13,900	512	3.68	11,426	420.5
NC.....	106	14,670	549	3.74	1,555	58.2
ND.....	92	11,543	421	3.65	1,062	38.8
OH.....	368	13,139	485	3.69	4,835	178.4
OK.....	108	10,926	396	3.62	1,180	42.7
OR.....	94	15,989	603	3.77	1,503	56.7
PA.....	717	14,232	527	3.70	10,204	377.5
RI.....	2.7	14,444	539	3.73	39.0	1.5
SC.....	39	12,333	486	3.94	481	19.0
SD.....	146	12,000	436	3.63	1,752	63.6
TN.....	201	11,010	405	3.68	2,213	81.4
TX.....	349	13,940	502	3.60	4,865	175.1
UT.....	74	15,770	571	3.62	1,167	42.2
VT.....	169	14,124	531	3.76	2,387	89.8
VA.....	143	13,986	512	3.66	2,000	73.2
WA.....	216	18,361	683	3.72	3,966	147.5
WV.....	27	11,148	411	3.69	301	11.1
WI.....	1,763	14,407	535	3.71	25,400	942.3
WY.....	10.0	12,500	456	3.65	125.0	4.6
US <sup>3</sup> .....	10,239	14,213	522	3.67	145,527	5,347.1

<sup>1</sup> Average number during year, excluding heifers not yet fresh.<sup>2</sup> Excludes milk sucked by calves.<sup>3</sup> U.S. total will not add due to rounding.

National Agricultural Statistics Service.



Table 473.—Milk: Quantities used and marketed by producers, by States, 1988  
(preliminary)

State	Milk used where produced			Milk marketed by producers		
	Fed to calves <sup>1</sup>	Used for milk, cream, and butter	Total	Sold to plants and dealers <sup>2</sup>	Sold directly to consumers <sup>3,4</sup>	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
AL.....	1	1	2	520		520
AK.....	9	.4	1.3	29.1	0.3	29.4
AZ.....	8	2	10	1,490		1,490
AR.....	17	7	24	765		765
CA.....	50	9	59	18,278	342	18,620
CO.....	34	8	42	1,155	30	1,185
CT.....	6	2	8	515	18	533
DE.....	1.0	1.0	2.0	133.0		133.0
FL.....	7	3	10	2,340		2,340
GA.....	3	2	5	1,230		1,230
HI.....	1.8	1.1	2.9	157.1		157.1
ID.....	41	7	48	2,580		2,580
IL.....	28	6	34	2,771		2,771
IN.....	30	10	40	2,367		2,367
IA.....	86	40	126	3,640		3,640
KS.....	16	5	21	1,248		1,248
KY.....	51	45	96	2,231		2,231
LA.....	8	12	20	910		910
ME.....	11	4	15	620	9	629
MD.....	11	4	15	1,428		1,428
MA.....	6	2	8	439	16	455
MI.....	60	15	75	5,140	13	5,153
MN.....	150	27	177	10,235		10,235
MS.....	3	5	8	780	6	786
MO.....	45	15	60	2,940		2,940
MT.....	8	8	16	333	3	336
NE.....	24	10	34	1,330		1,330
NV.....	3	2	5	262		262
NH.....	4	1	5	295	3	298
NJ.....	2	1	3	381	12	393
NM.....	7	6	13	1,060	26	1,086
NY.....	160	64	224	11,170	32	11,202
NC.....	11	29	40	1,515		1,515
ND.....	36	5	41	1,021		1,021
OH.....	21	15	36	4,785	14	4,799
OK.....	17	13	30	1,150		1,150
OR.....	30	10	40	1,408	55	1,463
PA.....	74	40	114	9,810	280	10,090
RI.....	1	0	1	35	3	38
SC.....	9	5	14	455	12	467
SD.....	10	7	17	1,785		1,785
TN.....	154	35	189	2,015	9	2,024
TX.....	25	5	30	4,785	50	4,835
UT.....	20	4	24	1,095	48	1,143
VT.....	24	10	34	2,350	3	2,353
VA.....	16	6	22	1,978		1,978
WA.....	20	4	24	3,766	176	3,942
WV.....	5	4	9	285	7	292
WI.....	254	102	356	25,038	6	25,044
WY.....	4	1	5	120		120
US <sup>5</sup> .....	1,615	621	2,235	142,118	1,173	143,292

<sup>1</sup> Excludes milk sucked by calves.<sup>2</sup> Includes the equivalent amounts of milk for cream sold to plants and dealers and milk produced by dealers' own herds, except for New York and California, where such milk is included as sold directly to consumers.<sup>3</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds.<sup>4</sup> For States not published, sales are nominal. Included in milk sold to plants.<sup>5</sup> Sum of parts may not equal sum of totals due to rounding.

National Agricultural Statistics Service.

Table 474.—Milk: Production in specified countries, 1986-88

Country	Production								
	Milk cows			Yield per cow			Total milk product <sup>1</sup>		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
1,000 head	1,000 head	1,000 head	Metric ton	Metric ton	Metric ton	1,000 metric tons	1,000 metric tons	1,000 metric tons	
Argentina.....	2,450	2,400	2,860	2,570	2,743	2,733	6,296	6,582	6,450
Australia <sup>3</sup> .....	1,770	1,707	1,697	3,506	3,730	3,711	6,205	6,367	6,297
Austria.....	989	976	965	3,781	3,778	3,706	3,739	3,687	3,576
Belgium/ Luxembourg.....	1,012	984	948	4,163	4,140	4,114	4,213	4,074	3,900
Brazil.....	14,500	14,700	14,700	800	905	898	11,600	13,300	13,200
Canada.....	1,547	1,481	1,487	5,123	5,392	5,601	7,925	7,986	8,217
Chile.....	670	600	630	1,687	1,888	1,968	1,190	1,133	1,240
China.....	1,460	1,846	2,164	1,959	1,788	1,705	2,860	3,301	3,690
Czechoslovakia.....	1,817	1,796	1,786	3,861	3,854	3,852	7,015	6,920	6,880
Denmark.....	864	811	774	5,916	5,993	6,123	5,111	4,860	4,739
Finland.....	603	580	545	5,093	5,066	5,114	3,071	2,938	2,787
France.....	6,506	6,359	5,850	4,315	4,269	4,501	28,074	27,146	26,330
Germany, Dem. Rep. of.....	2,064	2,045	2,049	4,382	4,576	4,507	9,044	9,358	9,234
Germany, Fed. Rep. of.....	5,437	5,277	5,000	4,846	4,631	4,770	26,350	24,436	23,850
Greece.....	350	350	345	1,837	1,794	1,826	643	628	680
Hungary.....	591	585	580	4,623	4,735	4,810	2,792	2,770	2,790
India.....	28,400	28,500	29,000	687	744	776	19,500	21,200	22,500
Ireland.....	1,528	1,490	1,444	3,806	3,860	3,809	5,816	5,751	5,500
Italy.....	3,021	3,021	3,020	3,402	3,409	3,311	10,278	10,300	10,000
Japan.....	1,099	1,052	1,046	6,785	6,972	7,273	7,457	7,335	7,608
Mexico.....	5,890	6,300	6,400	1,358	1,424	1,456	8,000	8,971	9,320
Netherlands.....	2,247	2,043	1,947	5,650	5,713	5,854	12,695	11,672	11,397
New Zealand <sup>4</sup> .....	2,221	2,252	2,280	3,704	3,217	3,481	8,226	7,245	7,936
Norway.....	374	357	346	5,219	5,493	5,514	1,952	1,961	1,908
Peru.....	695	700	702	938	936	950	652	655	668
Poland.....	5,207	4,937	4,806	3,024	3,133	3,121	15,747	15,467	15,000
Portugal.....	262	388	393	4,580	3,229	3,257	1,200	1,253	1,280
Romania.....	2,119	2,111	2,110	2,000	2,025	2,038	4,289	4,275	4,300
South Africa.....	1,775	1,985	1,814	1,239	1,214	1,351	2,200	2,410	2,450
Soviet Union.....	42,900	42,400	42,000	2,382	2,439	2,533	102,173	103,400	106,400
Spain.....	1,920	1,890	1,870	3,110	3,143	3,196	5,971	5,941	5,976
Sweden.....	600	576	565	5,888	6,036	6,138	3,533	3,477	3,465
Switzerland.....	806	790	793	4,770	4,770	4,779	3,845	3,768	3,790
United Kingdom.....	3,293	3,311	3,166	4,925	4,639	4,720	16,218	15,360	14,945
United States.....	10,813	10,329	10,239	6,015	6,260	6,447	65,037	64,668	66,010
Venezuela.....	1,230	1,298	1,270	1,293	1,264	1,217	1,591	1,641	1,545
Yugoslavia.....	2,600	2,610	2,595	1,793	1,815	1,811	4,661	4,736	4,700
World total.....	161,630	160,897	159,667				426,999	426,968	430,508

<sup>1</sup> May include milk other than cow's milk.<sup>2</sup> Preliminary.<sup>3</sup> Year ending June 30.<sup>4</sup> Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 475.—Marketings, income, and value of milk production, by States, 1988  
(preliminary)

State	Milk sold to plants and dealers <sup>1</sup>				Milk sold directly to consumers <sup>3</sup>		
	Quantity	Percent fluid grade <sup>2</sup>	Price per 100 pounds	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	520	99	14.20	73,840			
AK.....	29.1	100	20.20	5,878	140	65	91
AZ.....	1,490	100	12.40	184,760			
AR.....	765	96	13.70	104,805			
CA.....	18,278	97	10.94	1,999,613	159,070	51	81,126
CO.....	1,155	(3)	13.20	152,460	13,953	59	8,283
CT.....	515	100	13.20	67,980	8,372	57	4,772
DE.....	133.0	100	13.00	17,290			
FL.....	2,340	100	15.20	355,680			
GA.....	1,230	100	14.30	175,890			
HI.....	157.1	100	20.49	* 32,190			
ID.....	2,580	69	11.20	288,960			
IL.....	2,771	87	12.20	338,062			
IN.....	2,367	91	12.30	291,141			
IA.....	3,640	71	11.80	429,520			
KS.....	1,248	89	12.00	149,760			
KY.....	2,231	91	12.60	281,106			
LA.....	910	100	13.90	126,490			
ME.....	620	100	13.40	83,080	4,186	59	2,470
MD.....	1,428	100	13.00	185,640			
MA.....	439	100	13.30	58,387	7,442	59	4,391
MI.....	5,140	97	12.40	637,360	6,047	55	3,326
MN.....	10,235	72	11.67	1,194,425			
MS.....	780	98	13.60	106,080	2,791	55	1,535
MO.....	2,940	87	12.20	358,680			
MT.....	333	98	12.20	40,626	1,395	45	628
NE.....	1,330	71	11.70	155,610			
NV.....	262	100	12.10	31,702			
NH.....	295	100	13.20	38,940	1,395	56	781
NJ.....	381	100	13.40	51,054	5,581	51	2,847
NM.....	1,060	100	12.20	129,320	12,093	61	7,377
NY.....	11,170	100	12.40	1,385,080	14,884	55	8,186
NC.....	1,515	95	14.50	219,675			
ND.....	1,021	51	10.90	111,289			
OH.....	4,785	90	12.00	574,200	6,512	67	4,363
OK.....	1,150	95	12.90	148,350			
OR.....	1,408	97	12.10	170,368	25,581	45	11,512
PA.....	9,810	99	13.10	1,285,110	130,233	45	58,605
RI.....	35	100	13.30	4,655	1,395	57	795
SC.....	455	100	14.80	67,340	5,581	67	3,740
SD.....	1,735	52	11.50	199,525			
TN.....	2,015	92	13.10	263,965	4,186	51	2,135
TX.....	4,785	100	13.20	631,620	23,256	50	11,628
UT.....	1,095	30	11.60	127,020	22,326	42	9,377
VT.....	2,350	100	12.30	300,800	1,395	56	781
VA.....	1,978	97	13.30	263,074			
WA.....	3,766	100	12.00	451,920	81,860	50	40,930
WV.....	285	(3)	12.20	34,770	3,256	70	2,279
WI.....	25,038	30	11.97	2,997,049	2,791	43	1,200
WY.....	120	(3)	11.50	13,800			
US.....	142,118	90	12.24	17,395,938	545,721	50.0	273,105

See footnotes at end of table.

Table 475.—Marketings, income, and value of milk production, by States, 1988  
(preliminary)—Continued

State	Combined marketing of milk and cream				Used for milk, cream, and butter where produced		Gross producer income <sup>8</sup>	Value of all milk produced <sup>9</sup>
	Milk utilized	Average returns <sup>6</sup>		Cash receipts from marketings	Milk utilized	Value <sup>7</sup>		
		Per 100 pounds milk	Per pound milkfat					
	Million pounds	Dollars	Dollars	1,000 dollars	Million pounds	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	520	14.20	3.89	73,840	1	142	73,982	74,124
AK.....	29.4	20.30	5.87	5,969		81	6,050	6,233
AZ.....	1,490	12.40	3.31	184,760	2	248	185,008	186,000
AR.....	765	13.70	3.84	104,805	7	959	105,764	108,093
CA.....	18,620	11.17	3.05	2,080,739	9	1,006	2,081,745	2,087,332
CO.....	1,185	13.56	3.67	160,693	8	1,085	161,777	166,388
CT.....	533	13.65	3.65	72,752	2	273	73,025	73,844
DE.....	133.0	13.00	3.51	17,290	1.0	130	17,420	17,550
FL.....	2,340	15.20	4.29	355,680	3	456	356,136	357,200
GA.....	1,230	14.30	3.90	175,890	2	286	176,176	176,605
HI.....	157.1	20.49	5.90	32,190	1.1	225	32,415	32,784
ID.....	2,580	11.20	3.09	288,960	7	784	289,744	294,336
IL.....	2,771	12.20	3.33	338,062	6	732	338,794	342,210
IN.....	2,367	12.30	3.31	291,141	10	1,230	292,371	296,061
IA.....	3,640	11.80	3.27	429,520	40	4,720	434,240	444,388
KS.....	1,248	12.00	3.29	149,760	5	600	150,360	152,280
KY.....	2,231	12.60	3.41	281,106	45	5,670	286,776	293,202
LA.....	910	13.90	3.90	126,490	12	1,668	128,158	129,270
ME.....	629	13.60	3.59	85,550	4	544	86,094	87,590
MD.....	1,428	13.00	3.51	185,640	4	520	186,160	187,590
MA.....	455	13.80	3.66	62,778	2	276	63,054	63,881
MI.....	5,153	12.43	3.40	640,686	15	1,865	642,551	650,011
MN.....	10,235	11.67	3.21	1,194,425	27	3,151	1,197,575	1,215,080
MS.....	786	13.69	3.76	107,615	5	685	108,299	108,710
MO.....	2,940	12.20	3.33	358,680	15	1,830	360,510	366,000
MT.....	336	12.28	3.51	41,254	8	982	42,236	43,218
NE.....	1,330	11.70	3.19	155,610	10	1,170	156,780	159,588
NV.....	262	12.10	3.33	31,702	2	242	31,944	32,307
NH.....	298	13.33	3.51	39,721	1	133	39,855	40,388
NJ.....	393	13.72	3.75	53,901	1	137	54,038	54,312
NM.....	1,086	12.59	3.53	136,697	6	755	137,452	138,333
NY.....	11,202	12.44	3.38	1,393,266	64	7,960	1,401,226	1,421,126
NC.....	1,515	14.50	3.88	219,675	29	4,205	223,880	225,475
ND.....	1,021	10.90	2.99	111,289	5	545	111,834	115,758
OH.....	4,799	12.06	3.27	578,563	15	1,808	580,371	582,903
OK.....	1,150	12.90	3.56	148,350	13	1,677	150,027	152,220
OR.....	1,463	12.43	3.30	181,880	10	1,243	183,123	186,852
PA.....	10,090	13.32	3.60	1,343,715	40	5,327	1,349,042	1,358,896
RI.....	38	14.34	3.85	5,450	0	0	5,450	5,594
SC.....	467	15.22	3.86	71,080	5	761	71,841	73,210
SD.....	1,735	11.50	3.17	199,525	7	805	200,330	201,480
TN.....	2,024	13.15	3.57	266,100	35	4,602	270,701	290,948
TX.....	4,835	13.30	3.70	643,248	5	665	643,913	647,239
UT.....	1,143	11.93	3.30	136,397	4	477	136,874	139,261
VT.....	2,353	12.82	3.41	301,581	10	1,282	302,863	305,939
VA.....	1,978	13.30	3.63	263,074	6	798	263,872	266,000
WA.....	3,942	12.50	3.36	492,850	4	500	493,350	495,851
WV.....	292	12.69	3.44	37,049	4	508	37,557	38,191
WI.....	25,044	11.97	3.23	2,998,249	102	12,211	3,010,460	3,040,869
WY.....	120	11.50	3.15	13,800	1	115	13,915	14,375
US.....	143,292	12.33	3.36	17,669,043	621	78,075	17,747,118	17,947,096

<sup>1</sup> Includes the equivalent amounts of milk for cream sold to plants and dealers.

<sup>2</sup> Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products.

<sup>3</sup> Also includes milk produced by institutional herds.

<sup>4</sup> Based on unrounded value. Includes milk sold directly to consumers.

<sup>5</sup> Not published to avoid disclosing individual operations.

<sup>6</sup> Cash receipts divided by milk for milkfat represented in combined marketings.

<sup>7</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

<sup>8</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter.

<sup>9</sup> Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 476.—Marketings, income and value of milk production, United States, 1974-88

Year	Milk sold to plants and dealers			Cream sold to plants and dealers <sup>1</sup>			Milk sold directly to consumers		
	Quantity	Price per 100 pounds	Cash receipts	Quantity milkfat	Price per pound fat	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974	110,420	8.33	9,193,111	15,287	63.2	9,669	717,955	34.9	250,867
1975	110,460	8.75	9,664,349	11,437	70.3	8,039	726,837	35.4	257,362
1976	115,479	9.66	11,158,050	8,350	83.4	6,966	703,114	36.4	255,651
1977	118,154	9.72	11,488,120	6,586	92.0	6,058	695,162	36.7	255,314
1978	117,203	10.60	12,400,075	3,679	102.0	3,762	693,210	38.8	268,990
1979	119,379	12.02	14,347,397				692,698	42.3	293,347
1980	124,598	13.05	16,259,004				683,488	45.3	309,484
1981	128,994	13.77	17,764,463				684,744	48.3	330,763
1982	131,859	13.61	17,945,778				597,767	48.1	287,693
1983	136,090	13.58	18,484,507				563,395	48.4	272,423
1984	131,371	13.46	17,682,385				530,837	49.2	261,233
1985	139,436	12.75	17,778,640				583,860	48.7	284,321
1986	139,792	12.51	17,488,800				547,116	48.3	264,388
1987	139,092	12.54	17,437,188				559,209	48.7	272,172
1988 <sup>2</sup>	142,118	12.24	17,395,938				545,721	50.0	273,105

  

Year	Combined marketings of milk and cream				Used for milk, cream, and butter on farms where produced		Gross farm income from dairy products <sup>5</sup>	Farm value of all milk produced <sup>4,6</sup>
	Milk utilized	Average returns <sup>3</sup>		Cash receipts from marketings	Milk utilized	Value <sup>4</sup>		
		Per 100 pounds milk	Per pound milkfat					
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974	112,385	8.41	2.29	9,453,647	1,643	140,079	9,593,726	9,723,186
1975	112,337	8.84	2.41	9,929,750	1,495	133,026	10,062,776	10,198,831
1976	117,221	9.74	2.66	11,420,667	1,392	136,765	11,557,432	11,706,043
1977	119,831	9.81	2.68	11,749,492	1,283	126,448	11,875,940	12,023,440
1978	118,795	10.67	2.91	12,672,827	1,168	125,155	12,797,982	12,956,601
1979	120,869	12.11	3.31	14,640,744	1,040	127,038	14,767,781	14,941,518
1980	126,067	13.14	3.60	16,563,488	943	124,815	16,693,303	16,875,623
1981	130,467	13.87	3.81	18,095,225	886	124,050	18,219,275	18,415,052
1982	133,144	13.69	3.75	18,233,471	839	115,809	18,349,280	18,559,413
1983	137,301	13.66	3.74	18,756,930	842	115,894	18,872,823	19,081,427
1984	132,513	13.54	3.69	17,943,618	804	109,831	18,053,449	18,340,937
1985	140,691	12.84	3.50	18,062,961	709	92,329	18,155,290	18,379,194
1986	140,969	12.59	3.43	17,753,188	677	86,296	17,839,484	18,058,057
1987	140,294	12.62	3.46	17,709,360	656	84,343	17,793,703	17,997,274
1988 <sup>2</sup>	143,292	12.33	3.36	17,669,043	621	78,075	17,747,118	17,947,096

<sup>1</sup> After 1978 equivalent amounts of milk included in milk sold to plants and dealers.

<sup>2</sup> Preliminary.

<sup>3</sup> Cash receipts divided by milk or milkfat represented in combined marketings.

<sup>4</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

<sup>5</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter.

<sup>6</sup> Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 477.—Federal Milk Order Markets: Measures of growth, 1974-88

Year	Markets <sup>1</sup>	Population of Federal milk marketing areas <sup>2</sup>	Handlers <sup>1</sup>	Producers <sup>3</sup>	Producer deliveries	Producer deliveries used in Class I	Percentage of producer deliveries used in Class I
	<i>Number</i>	<i>Thousands</i>	<i>Number</i>	<i>Number</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>
1974.....	61	146,264	1,312	126,805	67,778	39,293	58.0
1975.....	56	150,666	1,315	123,855	69,149	40,106	57.9
1976.....	50	157,295	1,305	122,675	74,586	40,985	54.9
1977.....	47	159,504	1,260	122,755	77,947	41,125	52.8
1978.....	47	161,224	1,189	119,326	78,091	41,148	52.7
1979.....	47	163,053	1,127	116,447	79,436	41,011	51.6
1980.....	47	164,908	1,091	117,490	83,998	41,034	48.3
1981.....	48	166,863	1,058	119,323	87,989	40,746	46.3
1982.....	49	172,775	1,010	120,743	91,611	40,807	44.5
1983.....	46	175,524	958	121,052	95,757	41,091	42.9
1984.....	45	177,524	912	119,033	91,676	41,517	45.3
1985.....	44	176,440	884	116,765	97,762	42,201	43.2
1986.....	44	177,992	849	112,322	95,791	42,725	43.2
1987.....	43	180,374	797	105,882	98,182	42,876	43.7
1988.....	42	184,180	776	104,212	100,066	43,144	43.1

Year	Prices at 3.5 percent butterfat content per hundredweight <sup>4</sup>		Receipts as percentage of milk sold to plants and dealers		Daily deliveries per producer	Gross value of blend price adjusted for butterfat content	
	Class I	Blend	Fluid grade	All milk		Per producer	All producers
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	9.35	8.86	78	61	1,464	45,376	5,753,852
1975.....	9.36	8.64	78	63	1,532	49,233	6,097,768
1976.....	10.70	9.75	80	65	1,661	60,277	7,394,486
1977.....	10.59	9.69	80	66	1,740	62,692	7,695,764
1978.....	11.40	10.57	80	67	1,793	70,528	8,415,787
1979.....	12.88	11.97	80	66	1,870	83,262	9,695,637
1980.....	13.77	12.86	80	67	1,954	93,685	11,007,001
1981.....	14.69	13.63	80	68	2,021	102,354	12,213,199
1982.....	14.63	13.53	81	69	2,079	104,591	12,628,576
1983.....	14.69	13.53	82	70	2,168	109,142	13,211,805
1984.....	14.41	13.33	81	70	2,104	104,944	12,491,788
1985.....	13.88	12.61	80	70	2,294	107,871	12,595,522
1986.....	13.60	12.38	80	71	2,413	111,581	12,515,451
1987.....	13.90	12.51	80	71	2,542	118,402	12,529,800
1988.....	13.42	12.14	<sup>5</sup> 79	<sup>5</sup> 70	2,625	119,176	12,420,180

<sup>1</sup> End of year. (Date on which pricing provisions became effective.) <sup>2</sup> End of year. Data for 1980 according to the 1980 U.S. Census of Population. Data for 1974-1979 and 1981 to date are estimated. <sup>3</sup> Average for year. <sup>4</sup> Weighted averages. <sup>5</sup> The decrease in these percentages results from handlers electing, because of blend and Class III price levels, not to pool milk that normally would have been pooled under Federal milk orders.

Agricultural Marketing Service.

Table 478.—Dairy products: Factory production of specified items, by States, 1986-88

State	Butter			Total American cheese <sup>2</sup>			Total cheese <sup>3</sup>		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
AL									
AZ									
AR									
CA	214,641	215,191	229,016	190,116	218,538	232,380	443,370	492,852	540,326
CO									
CT									
DE									
FL									
GA									
ID				97,676	91,879	94,810	132,885	140,839	153,053
IL							96,485	97,779	108,963
IN				41,959	35,331	32,188	41,959	35,331	32,188
IA				116,436	123,163	131,662	231,726	245,701	258,943
KS	17,230	17,365	22,715	30,249	29,080	35,574	38,917	39,881	47,268
KY				34,271	25,257	13,175	52,711	44,923	33,336
LA									
ME									
MD									
MA									
MI	37,677	27,495	31,058	22,110	24,751	20,163	53,566	55,075	69,043
MN	156,678	141,003	129,566	515,151	521,338	572,974	566,872	580,944	635,025
MS				11,318	6,296	9,406	11,522	6,500	9,610
MO	21,927	17,297		69,268	60,918	75,593	152,581	148,261	181,850
MT	1,843	1,533	1,350						
NE				18,327			92,248	94,072	91,524
NV									
NH									
NJ							43,375	44,455	42,821
NM									
NY	40,541	26,839	27,415	73,383	85,550	84,858	484,300	500,996	509,372
NC									
ND	6,086	5,200	4,997	48,493	44,948	41,754	48,493	44,948	41,754
OH	20,290	13,539		30,807	20,607	16,734	107,487	97,953	97,426
OK		13,463	16,551						
OR	12,886	12,791	14,225	26,716	30,896	31,197	26,812	30,997	31,324
PA	68,215	57,232	59,720				227,898	223,444	223,161
RI									
SC									
SD				85,016	78,435	73,934	127,259	134,082	134,859
TN							17,513	16,012	16,474
TX									
UT									
VT	7,936	9,007	10,686	41,035	33,097	35,897	68,450	58,017	63,563
VA				5,826	3,093		106,587	106,444	113,071
WA	86,067	81,954	95,113	33,565	32,178		5,826	3,093	
WI	273,939	261,493	295,576	1,081,188	1,031,110	26,594	57,175	57,879	53,732
WV						998,056	1,813,542	1,874,492	1,901,379
US <sup>4</sup> .....	1,202,392	1,104,135	1,207,540	2,798,160	2,716,659	2,756,577	5,209,252	5,344,364	5,571,623

See footnotes at end of table.

Table 478.—Dairy products: Factory production of specified items, by States, 1986–88—  
Continued

State	Evaporated and sweetened condensed whole milk (case goods) <sup>2</sup>			Nonfat dry milk for human food			Total ice cream		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 gallons	1,000 gallons	1,000 gallons
AL							18,983	20,788	21,756
AZ							6,711	6,906	7,012
AR							6,629	6,200	6,705
CA				273,940	287,761	279,346	106,560	108,288	106,900
CO							10,335	9,948	10,287
CT									
DE									
FL							37,180	32,621	29,645
GA							9,768	9,577	8,925
ID							5,063		
IL							31,504	29,471	31,451
IN							28,347	27,666	24,712
IA				94,881	80,430	68,615	24,126	23,926	23,914
KS							7,171	8,371	7,058
KY									
LA							8,477	7,564	
ME							1,055		
MD							17,695	17,529	15,085
MA							45,186	48,826	44,994
MI				94,559	71,462	59,068	33,520	34,508	29,378
MN				184,241	149,781	90,113	38,906	41,080	37,759
MS							3,109	3,321	3,171
MO							20,681	22,165	18,272
MT							1,882	1,511	
NE									
NV									
NH									
NJ							23,536	22,038	18,707
NM									
NY				51,625	22,731		47,456	46,984	45,856
NC							31,377	30,269	33,580
ND				7,736	3,958	2,376	2,074	2,048	2,018
OH				24,737			45,444	43,804	41,615
OK							12,272	12,887	12,224
OR							8,429	8,363	7,574
PA							88,413	90,297	87,308
RI									
SC							11,984	15,155	14,952
SD									
TN							21,075	21,267	18,800
TX							55,239	52,606	49,767
UT							9,447	9,824	10,639
VT									
VA							13,319	14,324	14,022
WA							18,557	18,652	17,411
WV							2,998	2,755	
WI				95,618	60,477	60,595	23,061	25,434	21,103
US <sup>4</sup>	584,426	579,722	588,686	1,284,143	1,056,797	978,483	923,597	928,356	881,522

<sup>1</sup> Preliminary.

<sup>2</sup> Includes colby, washed curd, high and low moisture jack, Monterey, and granular cheese.

<sup>3</sup> Includes full-skim American cheese; excludes cottage cheese.

<sup>4</sup> Includes data for individual States which have less than 3 plants and are not shown separately.

<sup>5</sup> Combined to avoid disclosure of individual operations.

National Agricultural Statistics Service.



**Table 479.—Milk cows, milk, and fat in cream: Average prices received by farmers, United States, 1974-88**

Year	Milk cows, per head <sup>1</sup>	Milk per 100 pounds <sup>2</sup>						Milkfat in cream, per pound <sup>4</sup>
		Eligible for fluid market <sup>3</sup>		Of manufacturing grade		All milk wholesale		
		Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	
	Dollars	Dollars	Percent	Dollars	Percent	Dollars	Percent	Cents
1974	500.00	8.66	3.67	7.13	3.66	8.33	3.67	63.5
1975	412.00	9.02	3.67	7.63	3.66	8.75	3.68	71.0
1976	477.00	9.93	3.67	8.56	3.65	9.66	3.66	83.4
1977	504.00	9.96	3.65	8.70	3.66	9.72	3.65	92.0
1978	675.00	10.80	3.66	9.65	3.67	10.60	3.67	102.0
1979	1,040.00	12.20	3.65	11.06	3.68	12.02	3.66	119.0
1980	1,190.00	13.23	3.65	12.01	3.67	13.05	3.65	( <sup>5</sup> )
1981	1,200.00	13.95	3.64	12.72	3.66	13.77	3.64	
1982	1,110.00	13.80	3.65	12.60	3.68	13.61	3.65	
1983	1,030.00	13.75	3.65	12.61	3.67	13.58	3.66	
1984	895.00	13.61	3.66	12.49	3.69	13.46	3.66	
1985	860.00	12.90	3.67	11.72	3.68	12.75	3.67	
1986	820.00	12.62	3.66	11.46	3.68	12.50	3.67	
1987	920.00	12.68	3.65	11.37	3.66	12.53	3.65	
1988	990.00	12.34	3.67	11.15	3.68	12.22	3.67	

<sup>1</sup> Simple average of monthly prices, by States, weighted by the number of milk cows on farms Jan. 1 of the current year.

<sup>2</sup> Average price at average fat test for all milk sold at wholesale to plants and dealers, based on reports from milk-market administrators, cooperative milk-market associations, whole-milk distributors, and milk-products manufacturing plants, f.o.b. plant or receiving station (whichever is the customary place for determining prices) before hauling costs are deducted and including all premiums.

<sup>3</sup> Milk eligible for fluid market, including surplus diverted to manufacturing.

<sup>4</sup> Weighted average of monthly prices, by States, weighted by the estimated quantity of fat sold.

<sup>5</sup> Estimate discontinued.

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**Table 480.—Milk markets under Federal order program: Whole milk and lowfat and skim milk products sold for fluid consumption within defined marketing areas, 1987 and 1988 <sup>1</sup>**

Federal milk order marketing area	Whole milk items <sup>2</sup>				Lowfat and skim milk items <sup>3</sup>				Total fluid milk items			
	Quantity		Milkfat test		Quantity		Milkfat test		Quantity		Milkfat test	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Percent</i>	<i>Percent</i>
Alabama-West Florida.....	511,167	496,055	3.30	3.29	401,202	417,949	1.43	1.42	912,369	914,003	2.48	2.43
Black Hills, South Dakota.....	11,957	11,081	3.31	3.27	26,107	27,165	1.87	1.81	38,065	38,246	2.32	2.23
Central Arizona.....	312,207	313,885	3.51	3.36	462,696	483,019	1.71	1.68	774,904	796,904	2.43	2.34
Central Arkansas.....	127,271	126,873	3.29	3.27	94,393	98,912	1.57	1.60	221,664	225,785	2.56	2.57
Central Illinois.....	54,856	52,078	3.25	3.25	142,322	147,228	1.77	1.74	197,178	199,306	2.18	2.13
Chicago Regional, Ill.-Wis.....	851,440	793,213	3.28	3.27	1,915,022	1,958,252	1.66	1.63	2,766,462	2,751,465	2.16	2.10
Eastern Colorado, Colo.-Kans.....	239,382	227,261	3.28	3.30	401,842	416,745	1.72	1.69	641,224	644,006	2.30	2.26
Eastern Ohio-Western Pa., Ohio-W. Va.-Pa.....	784,398	729,102	3.26	3.25	1,087,959	1,164,115	1.75	1.72	1,872,352	1,893,217	2.38	2.31
Eastern South Dakota, S. Dakota- Iowa-Minn.....	16,757	15,837	3.25	3.23	93,118	95,189	1.67	1.64	109,874	111,027	1.91	1.87
Georgia.....	660,054	639,767	3.27	3.27	483,986	520,428	1.35	1.38	1,144,040	1,160,195	2.46	2.42
Great Basin, Utah-Nev.-Wyo.-Idaho <sup>4</sup> .....	225,313	222,671	3.33	3.54	508,620	539,894	1.78	1.76	733,933	762,565	2.26	2.28
Greater Kansas City, Mo.-Kans.....	197,495	179,553	3.25	3.25	339,052	344,664	1.63	1.63	536,547	524,217	2.22	2.17
Greater Louisiana.....	368,039	348,423	3.32	3.31	193,181	207,724	1.49	1.49	561,220	556,146	2.69	2.63
Indiana, Ind.-Mich.....	329,168	315,113	3.26	3.26	857,570	879,659	1.74	1.71	1,186,738	1,194,772	2.16	2.11
Iowa, Iowa-Ill.....	125,386	118,024	3.31	3.29	502,017	518,010	1.61	1.55	627,403	636,033	1.95	1.87
Louisville-Lex.-Evans, Ky.-Ind.....	247,550	228,695	3.29	3.28	423,349	438,175	1.74	1.71	670,899	666,870	2.31	2.25
Lubbock-Plainview, Texas.....	58,467	56,706	3.31	3.30	27,067	27,594	1.43	1.40	85,534	84,300	2.71	2.68
Memphis, Tenn.-Miss.-Ark.....	108,134	100,656	3.27	3.30	98,864	106,541	1.48	1.52	206,998	207,198	2.42	2.38
Michigan Upper Peninsula, Mich.-Wis.....	22,578	21,858	3.28	3.25	70,466	78,588	1.69	1.68	93,044	100,447	2.08	2.02
Middle Atlantic, Del.-D.C.-Md.- N.J.-Pa.-Va.....	1,613,609	1,544,124	3.27	3.27	1,273,097	1,366,722	1.47	1.43	2,886,706	2,910,847	2.48	2.41
Nashville, Tenn.-Ky.....	187,924	188,725	3.35	3.30	173,272	188,401	1.49	1.50	361,197	377,126	2.46	2.40
Nebraska-Western Iowa, Nebr.- Iowa-S. Dak.....	129,631	119,370	3.24	3.23	339,235	346,484	1.60	1.56	468,866	465,854	2.05	1.99
New England, Mass.-Conn.- N.H.-R.I.-Vt.....	1,657,538	1,566,816	3.32	3.33	1,099,911	1,182,491	1.18	1.19	2,757,449	2,749,308	2.47	2.41
New Orleans-Mississippi, La.-Miss.....	492,594	468,433	3.31	3.31	281,897	295,887	1.31	1.33	774,491	764,320	2.58	2.55
New York-New Jersey.....	3,156,554	3,034,466	3.38	3.38	1,371,569	1,452,207	1.27	1.30	4,528,123	4,486,673	2.78	2.75
Ohio Valley, Ind.-Ky.- Mich.-Ohio-W. Va.....	683,707	650,902	3.25	3.26	1,178,291	1,208,910	1.26	1.74	1,861,998	1,859,812	2.31	2.27

Oregon-Washington.....	204,988	200,577	3.34	3.33	687,057	712,677	1.72	1.68	892,045	913,254	2.09	2.04
Paducah, Ky.-Mo.....	38,720	36,898	3.26	3.30	40,003	44,053	1.63	1.61	78,723	80,951	2.43	2.38
Puget Sound-Inland, Wash., Idaho.....	263,819	252,890	3.30	3.30	704,287	712,677	1.75	1.68	968,107	988,047	2.17	2.13
Rio Grande Valley, N. Mex., Texas-Colo.....	290,406	295,219	3.36	3.36	119,965	131,751	1.53	1.53	410,371	426,970	2.82	2.81
Southeastern Florida.....	554,917	549,498	3.29	3.29	315,059	332,711	1.32	1.32	869,976	882,209	2.58	2.54
Southern Illinois-Eastern Missouri <sup>5</sup> .....	154,380	143,805	3.24	3.23	343,099	357,250	1.76	1.74	497,479	501,055	2.22	2.17
Southern Michigan.....	870,799	823,649	3.26	3.25	1,048,060	1,095,443	1.38	1.37	1,918,859	1,919,092	2.23	2.18
Southwestern Idaho-Eastern Oregon.....	40,450	37,003	3.26	3.28	106,738	111,125	1.79	1.77	147,188	148,129	2.19	2.15
Southwest Plains, Okla., Kans., Mo., Ark. <sup>6</sup> .....	646,543	646,792	3.29	3.25	520,081	547,357	1.56	1.54	1,166,625	1,194,148	2.52	2.47
Tampa Bay, Fla.....	396,180	396,686	3.29	3.29	337,764	368,576	1.20	1.24	733,944	765,262	2.32	2.30
Tenn. Val.-Ky.-Va.-W. Va., Ga.....	325,478	321,657	3.30	3.25	386,827	399,763	1.56	1.53	712,305	721,420	2.36	2.30
Texas.....	1,879,605	1,820,407	3.33	3.32	1,031,933	1,120,842	1.42	1.41	2,911,538	2,941,249	2.65	2.59
Texas Panhandle, Texas.....	54,015	54,971	3.29	3.23	20,812	23,737	1.50	1.47	74,828	78,708	2.79	2.70
Upper Florida.....	454,145	450,683	3.28	3.28	354,864	381,371	1.26	1.30	809,009	832,054	2.40	2.37
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa.....	197,702	190,587	3.27	3.26	1,215,633	1,266,055	1.45	1.41	1,413,335	1,456,642	1.71	1.65
Western Colorado.....	25,218	19,111	3.26	3.30	33,935	34,657	1.71	1.72	59,154	53,769	2.37	2.28

<sup>1</sup> In-area sales include total sales in each of the areas by handlers regulated under the respective order, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handlers' in-area sales are partially estimated. <sup>2</sup> Plain, flavored, and miscellaneous whole milk products. <sup>3</sup> Plain, fortified, and flavored skim and lowfat milk, buttermilk, and miscellaneous lowfat and skim milk products. <sup>4</sup> Effective April 1, 1988, the Great Basin marketing area was expanded to include the old Lake Mead marketing area and previously unregulated area. The data for 1987 have been estimated based on the new marketing area. <sup>5</sup> Effective May 1, 1988, the Southern Illinois marketing area was expanded to include previously unregulated area in eastern Missouri. The data for 1988 have been estimated based on the old marketing area. <sup>6</sup> Effective May 1, 1987, the Southwest Plains marketing area was expanded to include the old Fort Smith marketing area and previously unregulated area in northwestern Arkansas and southwestern Missouri. The data for 1987 have been estimated based on the new marketing area.

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Table 481.—Milk: Supply and

Item	1974	1975	1976	1977
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Milk production .....	115,586	115,398	120,180	122,654
Net imports of ingredients (milk equivalent) <sup>2</sup> .....	181	181	219	228
Net change in storage cream (milk equivalent) <sup>3</sup> .....	-33	-17	39	-16
Total supply .....	115,734	115,562	120,438	122,866
Utilization (milk equivalent):				
Used in manufactured products:				
Creamery butter, total milk equivalent.....	21,571	21,992	21,947	24,396
Milk equivalent of butter from whey cream.....	2,237	2,119	2,543	2,543
Net milk equivalent.....	19,334	19,873	19,404	21,853
Cheese:				
American .....	18,550	16,452	20,581	20,480
Other.....	7,119	7,431	8,182	8,385
Cottage cheese, creamed.....	1,018	1,028	1,050	1,056
Canned milk:				
Evaporated and sweetened condensed.....	2,223	2,020	1,892	1,809
Bulk condensed whole milk:				
Unsweetened.....	432	510	435	398
Sweetened.....	160	176	208	182
Dry whole milk.....	499	464	554	514
Ice cream and other frozen dairy products, total milk equivalent.....	13,277	14,046	13,722	13,805
Milk equivalent of butter and condensed milk used in ice cream.....	2,089	2,148	2,099	2,098
Net milk equivalent.....	11,188	11,898	11,623	11,707
Other manufactured products <sup>4</sup> .....	804	672	744	684
Total manufactured products.....	61,327	60,524	64,673	67,068
Available for use in fluid products:				
Sold by dealers.....	48,970	49,560	49,990	49,885
Sold by producers directly to consumers <sup>5</sup> .....	1,544	1,563	1,512	1,495
Total available for fluid products.....	50,514	51,123	51,502	51,380
Used on farms where produced:				
Fed to calves.....	1,558	1,666	1,567	1,541
Used for farm-churned butter.....	1,643	1,495	1,392	1,283
Total used on farms.....	3,201	3,061	2,959	2,824
Residual <sup>6</sup> .....	692	854	1,304	1,594
Total utilization.....	115,734	215,562	120,562	122,866

<sup>1</sup> Preliminary.<sup>2</sup> Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures.<sup>3</sup> Whole milk equivalent of net out-of-storage movement of fluid and plastic cream during the year. A negative figure represents a net movement of cream into storage.<sup>4</sup> Whole milk equivalent of dry cream, malted milk powder, part-skim milk, dry or concentrated ice cream mix, dehydrated butterfat, and other miscellaneous products using milkfat.

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## Utilization, United States, 1974-88

1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988 <sup>1</sup>
Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
121,641	123,350	128,406	132,770	135,505	139,672	135,450	143,147	143,381	142,557	145,527
232	237	203	192	273	263	220	254	254	238	212
-11	24	-3	11	7	18	-2	-12	16	18	0
121,682	123,611	128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,808	145,739
22,372	22,191	25,824	27,806	28,352	29,342	24,877	28,079	27,073	24,966	27,116
2,660	2,810	2,998	3,192	3,365	3,554	3,406	3,694	3,799	3,894	4,017
19,712	19,381	22,826	24,614	24,987	25,788	21,471	24,385	23,274	21,072	23,099
20,737	21,856	23,765	26,215	27,540	29,314	26,403	28,556	27,976	27,297	27,571
9,180	9,701	10,160	10,331	11,363	11,692	12,315	13,144	14,263	15,554	16,540
1,056	1,028	1,016	977	950	941	932	917	914	884	857
1,725	1,752	1,594	1,669	1,490	1,525	1,419	1,509	1,278	1,272	1,285
348	381	377	475	543	475	544	656	666	707	640
186	187	147	164	161	173	180	161	169	184	172
549	627	607	686	758	823	880	877	901	1,067	1,263
13,859	13,767	14,010	14,080	14,268	14,720	14,783	15,021	15,451	15,697	15,115
2,115	2,088	2,084	2,116	2,133	2,122	2,123	2,166	2,225	2,241	2,155
11,744	11,679	11,926	11,964	12,135	12,598	12,660	12,855	13,226	13,456	12,960
707	912	909	821	656	663	488	477	559	452	388
65,944	67,504	73,327	77,916	80,583	83,992	77,292	83,537	83,226	81,945	84,775
49,685	49,884	49,385	48,743	48,061	48,494	49,464	50,750	51,460	52,232	53,277
1,490	1,489	1,470	1,472	1,285	1,211	1,141	1,264	1,176	1,202	1,173
51,175	51,373	50,855	50,215	49,346	49,705	50,605	52,014	52,636	53,434	54,450
1,497	1,442	1,395	1,418	1,521	1,527	2,134	1,747	1,736	1,606	1,615
1,188	1,040	943	886	839	842	804	709	677	656	621
2,665	2,483	2,338	2,304	2,361	2,369	2,938	2,456	2,412	2,263	2,235
1,898	2,251	2,086	2,538	3,495	3,887	4,833	5,382	5,377	5,166	4,279
121,682	123,611	128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,808	145,739

<sup>5</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds.

<sup>6</sup> Includes minor miscellaneous uses and any inaccuracies in production and utilization estimates.

**Table 482.—Milk markets under Federal order program: Blend and Class I milk deliveries used in Class I, Class I percentage, average daily deliveries per producer,**

Federal milk order marketing area	Average minimum prices per 100 pounds				Average number of producers	
	Blend price <sup>1</sup>		Class I price <sup>2</sup>		1987	1988
	1987	1988	1987	1988		
	Dollars	Dollars	Dollars	Dollars	Number	Number
Alabama-West Florida <sup>2</sup> .....	13.86	13.45	14.42	13.95	1,012	984
Central Arizona <sup>3</sup> .....	12.75	12.32	13.86	13.39	146	142
Central Arkansas <sup>4</sup> .....	13.67	13.24	14.11	13.62	616	652
Central Illinois <sup>5</sup> .....	12.31	11.85	12.95	12.47	252	260
Chicago Regional, Ill.-Wis. <sup>6 7</sup> .....	11.73	11.40	12.74	12.26	17,613	18,093
Eastern Colorado, Col.-Kans. <sup>8</sup> .....	13.04	12.60	14.07	13.59	572	573
Eastern Ohio-Western Pa., Ohio-Pa.-W. Va. <sup>9</sup> .....	12.35	11.97	13.34	12.87	5,605	5,478
Georgia <sup>10</sup> .....	13.96	13.47	14.43	13.95	1,376	1,468
Great Basin, Utah-Nev.-Wyo. <sup>11</sup> .....	12.25	11.96	13.20	12.75	755	735
Greater Kansas City, Mo.-Kans. <sup>12</sup> .....	12.36	12.04	13.27	12.77	1,293	1,131
Greater Louisiana <sup>13</sup> .....	13.98	13.53	14.62	14.14	604	590
Indiana <sup>14</sup> .....	12.62	12.19	13.34	12.87	2,634	2,641
Iowa, Iowa-Ill. <sup>7 15</sup> .....	11.84	11.55	12.89	12.43	3,689	3,681
Louisville-Lex.-Evans, Ky.-Ind. ....	12.71	12.37	13.45	13.01	1,531	1,847
Lubbock-Plainview, Texas.....	13.59	13.13	13.85	13.35	35	34
Memphis, Tenn.-Miss.-Ark.....	13.53	13.12	14.11	13.56	495	517
Michigan Upper Peninsula, Mich.-Wis. <sup>16 17</sup> .....	12.98	12.00	12.69	12.22		
Middle Atlantic, Del.-D.C.-Md.-N.J.-Pa.-Va. <sup>18</sup> .....	12.83	12.47	14.37	13.90	6,406	6,196
Nashville, Tenn.-Ky.....	13.60	13.11	13.87	13.59	354	401
Nebraska-Western Iowa, Nebr.-Iowa-S. Dak. <sup>7 19</sup> .....	11.99	11.62	13.10	12.62	1,870	1,932
New England, Mass.-Conn.-N.H.-R.I.-Vt. <sup>20</sup> .....	13.27	12.92	14.58	14.11	5,412	5,182
New Orleans-Mississippi, La.-Miss. <sup>21</sup> .....	14.20	13.67	15.19	14.71	1,170	1,147
New York-New Jersey <sup>22</sup> .....	12.74	12.43	14.48	13.96	14,715	13,954
Ohio Valley, Ind.-Ky.-Mich.-Ohio-W. Va. <sup>23</sup> .....	12.51	12.11	13.38	12.89	4,589	3,820
Oregon-Washington <sup>24</sup> .....	12.06	11.70	13.29	12.80	883	862
Paducah, Ky.-Mo.....	13.27	12.74	13.73	13.24	233	322
Puget Sound-Inland, Wash.-Idaho <sup>25</sup> .....	12.00	11.67	13.19	12.72	1,070	1,064
Rio Grande Valley, N. Mex.-Tex.-Colo. <sup>26</sup> .....	13.06	12.54	13.69	13.21	92	75
Southeastern Florida <sup>27</sup> .....	15.08	14.68	15.49	15.08	176	148
Southern Illinois—Eastern Missouri, Il.-Mo. <sup>7 28</sup> .....	12.55	12.05	13.26	12.79	2,622	2,726
Southern Michigan <sup>29</sup> .....	12.11	11.76	13.09	12.62	5,055	4,925
SW. Idaho-Eastern Oregon <sup>30</sup> .....	11.55	11.24	12.84	12.36	290	308
Southwest Plains <sup>31</sup> .....	12.88	12.44	14.11	13.64	3,360	3,378
Tampa Bay, Fla.....	14.81	14.14	15.30	14.74	199	191
Tenn. Val., Tenn.-Va.-W. Va.-Ky.-Ga. <sup>32</sup> .....	13.45	13.03	14.12	13.69	1,549	1,497
Texas <sup>33</sup> .....	13.45	12.88	14.62	14.15	2,559	2,553
Texas Panhandle, Texas-Okla. <sup>34</sup> .....	13.32	13.06	13.84	13.35	53	49
Upper Florida <sup>35</sup> .....	14.47	13.94	14.93	14.46	229	182
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa <sup>36</sup> .....	11.47	11.17	12.54	12.06	14,714	14,419

<sup>1</sup> For individual-handler pools, weighted average of blend prices for all handlers. For markets with base-excess plans, weighted average of base and excess prices. <sup>2</sup> Zone 2 (Birmingham). <sup>3</sup> Phoenix. <sup>4</sup> Little Rock. <sup>5</sup> Peoria. <sup>6</sup> Zone I (Chicago). <sup>7</sup> Because the blend price adjusted for location was equal to or less than the Class III price in the outer zones of these markets in some months, in 1988, handlers elected not to pool milk that normally would have been pooled under those orders. <sup>8</sup> Denver. Note: Price data are for Eastern Colorado. Other data are a combination of Eastern Colorado and Western Colorado. <sup>9</sup> Cleveland and Pittsburgh. <sup>10</sup> Atlanta. <sup>11</sup> Salt Lake City, Utah. Effective April 1, 1988, the Lake Mead market was merged with the Great Basin market. Data for 1987 and January-March 1988 are the combination of the data for the two merged markets. <sup>12</sup> Kansas City and Topeka. Note: Price data are for Greater Kansas City. Other data are a combination of Greater Kansas City, Eastern South Dakota, and Black Hills. <sup>13</sup> Monroe and Shreveport. <sup>14</sup> Indianapolis. <sup>15</sup> Zone I (Des Moines). <sup>16</sup> Some of the data were restricted—pertains to fewer than three firms. <sup>17</sup> Zone II (Marquette). <sup>18</sup> Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent delivery differential applicable to milk delivered to Philadelphia. <sup>19</sup> Zone I (Omaha).

Agricultural Marketing Service. Compiled from reports of market administrators.

prices at 3.5 percent fat test, number of producers, producer deliveries, producer average fat test of milk delivered, by markets, 1987 and 1988

Producer deliveries		Producer deliveries used in Class I		Class I utilization percentage		Daily deliveries per producer		Average fat test	
1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Million pounds	Million pounds	Million pounds	Million pounds	Percent	Percent	Pounds	Pounds	Percent	Percent
1,175	1,152	956	951	81	82	3,208	3,221	3.64	3.66
1,444	1,504	826	836	57	56	27,269	29,294	3.72	3.73
449	466	376	392	84	84	2,615	2,565	3.51	3.52
159	172	96	99	60	57	1,732	1,811	3.69	3.67
14,528	14,554	2,901	2,888	20	20	2,260	2,213	3.68	3.70
1,207	1,276	734	751	60	59	5,781	6,087	3.67	3.71
3,842	3,920	2,023	2,052	53	52	1,877	1,955	3.71	3.71
1,601	1,731	1,340	1,424	84	82	3,191	3,294	3.63	3.67
1,705	1,736	736	775	43	45	6,189	6,458	3.61	3.63
1,064	997	541	513	51	52	2,254	2,412	3.65	3.65
569	576	468	471	82	82	2,588	2,591	3.60	3.62
1,947	2,031	1,193	1,214	61	60	2,025	2,102	3.71	3.72
2,734	2,885	786	824	28	29	2,092	2,201	3.64	3.63
984	1,196	652	798	66	67	1,764	1,782	3.70	3.71
121	119	109	107	90	90	17,795	18,723	3.54	3.61
335	350	261	287	78	82	2,494	2,529	3.59	3.61
6,281	6,199	3,152	3,084	50	50	2,686	2,734	3.69	3.71
195	259	169	197	87	76	1,571	1,771	3.65	3.68
1,637	1,779	586	598	36	34	2,428	2,550	3.66	3.66
5,173	5,118	2,813	2,815	54	55	2,619	2,698	3.72	3.74
980	1,013	705	698	72	69	2,290	2,409	3.62	3.62
11,321	11,221	4,594	4,606	41	41	2,107	2,197	3.64	3.67
3,242	2,872	1,820	1,632	56	57	1,935	2,058	3.69	3.67
2,188	2,230	887	892	41	40	6,791	7,067	3.74	3.71
169	210	137	161	81	77	2,009	1,792	3.80	3.78
2,727	2,899	1,006	1,051	37	36	6,983	7,448	3.67	3.70
494	505	354	343	72	68	19,547	23,201	3.57	3.62
975	1,027	866	913	89	89	15,038	17,835	3.51	3.56
2,174	2,342	1,318	1,272	61	54	2,269	2,345	3.66	3.68
4,616	4,618	1,998	2,003	43	43	2,502	2,562	3.63	3.66
687	874	128	137	19	16	6,490	7,759	3.65	3.66
2,891	3,086	1,389	1,392	48	45	2,407	2,581	3.63	3.64
927	987	799	814	86	83	12,230	14,181	3.53	3.55
1,307	1,286	997	951	76	74	2,316	2,351	3.68	3.68
4,725	5,222	2,934	2,945	62	56	5,063	5,594	3.57	3.61
105	104	85	89	81	85	11,377	14,286	3.60	3.57
717	742	611	617	85	83	8,159	10,049	3.60	3.61
10,736	10,804	1,529	1,547	14	14	1,999	2,083	3.66	3.68

<sup>20</sup> Zone I (Boston). Price at 201-210 mile zone: Class I and blend are 72 cents less. <sup>21</sup> Zone I (New Orleans).  
<sup>22</sup> New York metropolitan area. Prices at 201-210 mile zone: Class I and blend 59 cents less. <sup>23</sup> Zone 3 (Columbus). <sup>24</sup> Portland. <sup>25</sup> Zone I (Seattle). <sup>26</sup> Albuquerque, Santa Fe, and El Paso. <sup>27</sup> Miami.  
<sup>28</sup> Base zone (Alton). Effective May 1, 1988, the Southern Illinois market was expanded to include several counties in eastern Missouri. <sup>29</sup> Zone I, Detroit. Price excludes direct delivery differential applicable to milk delivered to Detroit of 10 cents. <sup>30</sup> Boise, Idaho. <sup>31</sup> Zone I (Oklahoma City). Beginning in 1987, includes Fort Smith.  
<sup>32</sup> Bristol, Chattanooga, and Knoxville. <sup>33</sup> Zone I (Dallas). <sup>34</sup> Amarillo. <sup>35</sup> Jacksonville and Tallahassee.  
<sup>36</sup> Zone I (Minneapolis).

Table 483.—Dairy products: Quantities manufactured, United States, 1981–88

Product	1981	1982	1983	1984	1985	1986	1987	1988 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Creamery butter.....	1,228,190	1,256,964	1,299,247	1,103,316	1,247,792	1,202,392	1,104,135	1,207,540
American cheese:								
Whole milk.....	2,642,263	2,752,298	2,927,716	2,648,459	2,855,230	2,798,160	2,716,659	2,756,577
Part skim.....	5,860	6,928	4,115	2,711	2,380	2,051	858	1,050
Swiss cheese (including block).....	214,410	221,085	209,467	207,958	222,886	227,340	227,241	250,111
Munster cheese.....	67,359	71,681	69,599	76,046	82,096	88,488	92,629	82,947
Brick cheese.....	13,878	14,251	14,157	16,032	20,131	20,387	28,339	24,946
Limburger cheese.....	1,248	1,456	1,149	1,225	1,049	1,119	1,067	975
Cream and Neufchatel cheese.....	241,335	262,780	269,993	276,466	293,769	321,504	342,230	375,808
Blue cheese.....	30,214	31,013	31,496	34,115	33,433	34,198	35,863	37,789
All Italian varieties of cheese.....	994,398	1,087,781	1,200,204	1,318,816	1,491,314	1,632,921	1,799,770	1,937,118
All other varieties of cheese <sup>2</sup> .....	66,596	92,396	90,572	92,165	77,742	82,097	99,108	104,302
Total of all cheese <sup>2</sup> .....	4,277,561	4,541,669	4,819,471	4,673,993	5,080,942	5,209,252	5,344,364	5,571,623
Cottage cheese:								
Curd <sup>3</sup> .....	647,541	628,949	618,162	606,219	598,845	600,122	573,778	556,660
Creamed <sup>3</sup> .....	773,321	748,869	742,506	736,061	715,581	704,819	674,805	647,083
Lowfat <sup>3</sup> .....	208,333	217,572	215,941	229,331	244,390	265,475	270,528	290,854
Sweetened condensed milk:								
Bulk goods:								
Skimmed.....	46,007	49,148	51,394	51,343	49,551	55,416	57,541	58,530
Unskimmed.....	70,351	69,639	74,704	66,061	69,481	72,803	78,728	73,946
Unsweetened condensed milk (plain, condensed):								
Bulk goods:								
Skimmed.....	659,641	632,133	693,832	803,641	841,100	957,039	954,683	961,555
Unskimmed.....	195,619	223,889	193,348	238,273	272,044	276,530	292,219	265,119
Evaporated and condensed milk:								
Case goods:								
Skimmed.....	20,490	19,531	16,038	18,035	20,837	17,673	16,966	20,030
Unskimmed.....	757,919	734,921	694,185	647,663	635,292	584,426	579,722	588,686
Condensed or evaporated buttermilk.....	41,159	50,869	51,011	37,899	41,264	41,549	51,908	79,917
Dry buttermilk.....	43,814	38,632	46,497	43,485	51,523	65,677	55,627	58,692
Dry whole milk.....	92,724	102,226	111,209	119,622	118,856	122,366	145,861	172,329
Nonfat dry milk.....	1,314,270	1,400,455	1,499,902	1,160,670	1,390,033	1,284,143	1,056,797	978,483
Dry skim milk (animal feed).....	7,846	9,731	10,324	7,672	8,262	9,718	19,823	18,744
Dry whey.....	778,720	790,502	892,164	897,946	986,829	1,031,033	1,097,349	1,136,987
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Ice cream.....	832,450	852,072	881,543	894,468	901,449	923,597	928,356	881,522
Sherbet (does not include water ices).....	45,732	45,575	47,732	47,488	48,206	49,679	49,998	52,155
Ice milk <sup>4</sup> .....	290,992	280,559	294,913	299,825	301,312	314,673	327,561	354,246

<sup>1</sup> Preliminary.<sup>2</sup> Includes full-skim American cheese beginning 1978.<sup>3</sup> Cottage cheese curd includes pot and bakers' cheese. Creamed cottage cheese contains not less than 4 percent milkfat. Lowfat cottage cheese contains less than 4 percent milkfat and has not been legal in interstate commerce, but beginning 1972, is legal under Federal standards if its content of milkfat is not less than 0.5 percent and not more than 2.0 percent by weight.<sup>4</sup> Includes freezer-made milkshake in most States.

National Agricultural Statistics Service.



**Table 484.—Mellorine-type frozen desserts: Production by States, United States totals, 1974-88**

Year	Ala-bama	Arizo-na	Arkan-sas	Cali-fornia	Illi-nois	Louis-i-ana	Mis-souri	Mon-tana	Okla-homa	Or-egon	Texas	United States <sup>1</sup>
	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons
1974.....		526	922	8,295	1,915	336	1,377		1,198	532	17,008	34,605
1975.....		546	713	6,747	1,402	217	993		1,037	532	15,833	30,038
1976.....		437	656	5,258	1,140	112	889		657	402	11,507	23,284
1977.....		393	571	4,077	1,004	116	752		536	295	9,100	18,795
1978.....			468	3,421	954	32	527		456	261	7,949	16,264
1979.....			413	2,725	1,070		519	58	375	230	6,913	15,674
1980.....			393	2,263	912		487		241	203	6,052	13,190
1981.....			378	1,744	857	4	479		204	190	5,642	11,191
1982.....			399	1,146	812		495		196		5,120	10,130
1983.....	147		310	807	639		170		167		5,473	10,086
1984.....			621	665	716				138		3,857	8,886
1985.....			528	594	346				103		4,184	8,752
1986.....			267	287	168				64		4,622	8,429
1987.....			602	281	149						4,690	10,110
1988 <sup>2</sup> .....												9,988

<sup>1</sup> Includes several minor producing States which are not shown separately.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 485.—Dairy products: Manufacturers' average selling price of specified products, United States, 1974-88**

Year	Unsweetened evaporated milk, per case of 48 14½-ounce cans, f.o.b. factory	Nonfat dry milk for human food, per pound, f.o.b. factory	Dry skim milk for animal feed, per pound, f.o.b. factory	Dry whole milk, per pound, f.o.b. factory <sup>1</sup>
	Dollars	Cents	Cents	Cents
1974.....	10.18-12.75	58.37	37.74	66.08
1975.....	10.98-14.15	62.13	37.93	71.30
1976.....	11.88-14.77	63.30	34.60	79.24
1977.....	12.05-15.62	66.65	32.02	80.69
1978.....	( <sup>2</sup> )	71.01	33.14	89.63
1979.....		79.94	35.63	101.58
1980.....		88.58	40.31	110.97
1981.....		93.92	43.66	118.53
1982.....		( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1983.....		93.84	39.91	119.65
1984.....		91.17	40.64	118.38
1985.....		84.59	41.18	114.18
1986.....		80.94	40.78	111.87
1987.....		79.30	43.57	112.71
1988.....		76.58	48.11	113.50

<sup>1</sup> Includes milk sold in bulk and in package.

<sup>2</sup> Estimate discontinued.

<sup>3</sup> Data not available for 1982.

National Agricultural Statistics Service.

**Table 486.—Dairy products: Manufacturers' stocks, end of month, United States, 1987 and 1988**

Month	Evaporated and sweetened condensed whole milk (case goods)		Dry whole milk		Nonfat dry milk (human food)	
	1987	1988	1987	1988	1987	1988
January.....	49,908	40,223	6,501	9,146	55,251	56,938
February.....	53,256	51,829	8,049	9,035	66,543	63,501
March.....	55,004	59,694	7,407	6,611	60,459	56,209
April.....	58,822	71,298	9,183	8,355	65,348	70,839
May.....	69,877	85,109	6,562	9,313	86,803	74,146
June.....	84,241	94,330	8,198	10,566	83,384	67,686
July.....	93,910	103,452	7,283	11,439	71,274	71,300
August.....	100,880	105,312	6,285	11,434	65,416	53,325
September.....	85,548	92,323	5,669	11,151	55,096	44,432
October.....	64,158	89,383	6,404	10,618	44,992	49,938
November.....	34,765	51,547	6,543	10,774	45,122	39,116
December.....	31,757	44,133	8,042	12,779	65,097	45,071

National Agricultural Statistics Service.

**Table 487.—Dairy products: Cold-storage holdings, first of month, United States, 1987 and 1988**

Month	Creamery butter		American cheese		Swiss cheese		Total natural cheese <sup>1</sup>	
	1987	1988	1987	1988	1987	1988	1987	1988
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	206,613	157,318	590,341	364,861	11,982	9,086	683,856	455,097
February.....	231,603	198,851	564,290	359,900	10,751	10,056	652,421	448,343
March.....	253,967	221,115	557,083	354,099	12,071	9,231	646,518	443,800
April.....	247,892	240,404	553,304	359,190	10,676	10,240	645,118	451,876
May.....	251,087	280,540	569,441	366,701	11,692	10,582	666,784	460,117
June.....	237,912	293,350	564,678	381,895	11,226	11,563	659,026	480,927
July.....	211,210	295,767	547,089	388,357	11,671	9,635	642,489	496,053
August.....	187,266	294,447	509,692	351,089	11,434	8,750	606,624	460,782
September.....	176,200	253,415	485,301	314,832	11,381	7,119	580,790	421,283
October.....	165,553	237,330	441,158	293,249	13,992	9,159	537,982	400,693
November.....	158,486	226,176	403,351	260,832	10,991	10,266	495,935	366,695
December.....	143,212	214,687	367,411	283,415	9,961	9,932	457,124	388,114

<sup>1</sup> Includes American, Swiss, and other types of natural cheese.

National Agricultural Statistics Service.

Table 488.—Dairy products: Dec. 31 stocks, United States, 1974-88

Year	Butter <sup>1 2</sup>	Cheese <sup>1 3</sup>	Canned milk <sup>4</sup>	Dry whole milk	Nonfat dry milk for human consumption <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1974.....	49,227	493,973	79,199	6,419	293,203
1975.....	10,856	368,579	58,617	5,636	468,943
1976.....	47,058	478,465	70,677	9,085	485,396
1977.....	184,907	486,031	75,164	5,972	677,886
1978.....	206,930	457,261	70,300	4,383	585,091
1979.....	177,760	512,221	76,955	4,312	485,242
1980.....	304,646	690,730	53,009	5,268	586,770
1981.....	429,184	975,762	46,808	5,953	889,699
1982.....	466,822	1,064,224	52,878	6,024	1,281,967
1983.....	499,372	1,266,388	47,656	6,411	1,405,178
1984.....	309,849	1,061,881	41,952	5,434	1,247,693
1985.....	216,698	944,276	63,283	6,509	1,011,112
1986.....	251,789	789,100	50,553	6,692	686,841
1987.....	147,291	460,154	33,914	8,042	177,191
1988.....	214,992	397,706	45,316	12,779	53,077

<sup>1</sup> Includes Government holdings.<sup>2</sup> Includes butter equivalent of butteroil held by CCC.<sup>3</sup> Exclude cottage and full-skim American cheese. Includes process American cheese held by CCC.<sup>4</sup> Includes stock held by CCC.

Economic Research Service.

Table 489.—Fluid milk and cream: Total and per capita consumption, United States, 1974-88 <sup>1</sup>

Year	Consumption		Year	Consumption	
	Total	Per capita		Total	Per capita
	<i>Billion pounds</i>	<i>Pounds</i>		<i>Billion pounds</i>	<i>Pounds</i>
1974.....	55.6	260	1982.....	54.6	235
1975.....	56.3	261	1983.....	55.2	235
1976.....	56.6	260	1984.....	56.1	237
1977.....	56.6	258	1985.....	57.3	240
1978.....	56.4	254	1986.....	57.8	240
1979.....	56.3	251	1987.....	57.8	237
1980.....	55.8	246	1988.....	58.1	236
1981.....	55.5	242			

<sup>1</sup> Sales of beverage, cream, and specialty fluid products plus farm household use.

Economic Research Service.

**Table 490.—Dairy products: Total disappearance, and total and per capita civilian consumption, United States, 1974-88<sup>1</sup>**

Year	Butter <sup>1</sup>			Cheese <sup>2</sup>			Condensed and evaporated milk <sup>3</sup>		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	972	956	4.5	3,117	3,071	14.6	1,278	1,175	5.6
1975.....	1,024	1,012	4.7	3,115	3,072	14.3	1,239	1,118	5.3
1976.....	945	934	4.3	3,418	3,375	15.7	1,192	1,067	5.0
1977.....	950	946	4.3	3,560	3,522	16.0	1,036	940	4.3
1978.....	974	969	4.4	3,792	3,747	16.8	1,019	901	4.0
1979.....	1,016	1,011	4.5	3,909	3,862	17.2	1,028	913	4.1
1980.....	1,020	1,017	4.5	4,038	3,992	17.5	970	856	3.8
1981.....	1,107	975	4.2	4,240	4,181	18.2	1,035	932	4.1
1982.....	1,222	1,011	4.3	4,722	4,632	19.9	1,028	926	4.0
1983.....	1,270	1,150	4.9	4,905	4,816	20.5	978	905	3.9
1984.....	1,295	1,162	4.9	5,184	5,076	21.4	968	881	3.7
1985.....	1,345	1,164	4.9	5,501	5,376	22.5	966	877	3.7
1986.....	1,171	1,114	4.6	5,660	5,561	23.0	955	878	3.6
1987.....	1,214	1,128	4.6	5,939	5,850	24.0	977	910	3.7
1988.....	1,144	1,098	4.5	5,886	5,806	23.6	925	855	3.5

  

Year	Ice cream (product weight)			Dry whole milk			Nonfat dry milk (human food)		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	3,753	3,679	17.4	67	15	0.07	916	884	4.2
1975.....	4,015	3,945	18.5	63	16	.08	828	703	3.3
1976.....	3,928	3,858	17.9	75	33	.15	911	764	3.5
1977.....	3,887	3,887	17.7	72	34	.16	917	729	3.3
1978.....	3,914	3,914	17.6	77	56	.25	1,015	690	3.1
1979.....	3,893	3,893	17.3	85	66	.29	1,011	740	3.3
1980.....	3,984	3,984	17.5	82	63	.28	1,064	686	3.0
1981.....	3,996	3,996	17.4	104	83	.36	1,014	493	2.1
1982.....	4,090	4,090	17.6	102	88	.38	1,011	492	2.1
1983.....	4,231	4,231	18.0	111	94	.40	1,378	526	2.2
1984.....	4,293	4,293	18.1	121	98	.42	1,321	596	2.5
1985.....	4,327	4,327	18.1	117	105	.44	1,630	540	2.3
1986.....	4,435	4,435	18.4	122	113	.47	1,610	597	2.5
1987.....	4,456	4,456	18.3	145	133	.54	1,571	612	2.5
1988.....	4,231	4,231	17.2	167	143	.58	1,104	631	2.6

<sup>1</sup> Total disappearance is based on production, imports, and change in stocks during the year. Production statistics for these commodities appear in other tables in this chapter. The total apparent civilian consumption was obtained by subtracting ending stocks, shipments, and exports, from the total supply. The per capita consumption for each year was obtained by dividing the total apparent consumption by the number of persons.

<sup>2</sup> Includes all kinds of cheese except cottage and full-skim American.

<sup>3</sup> The evaporated milk is unskimmed, unsweetened, case goods. The condensed milk is unsweetened (plain condensed), unskimmed, bulk goods; and sweetened condensed milk, unskimmed, case and bulk goods.

Economic Research Service.

Table 491.—Dairy products: Average price per pound for specified products, 1968 and 1985-88

Item and market	1968	1985	1986	1987	1988
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Butter, bulk, wholesale selling prices, Chicago:					
Grade AA (93-score).....	0.6671	1.4197	1.4522	1.4172	1.3412
Grade A (92-score).....	.6668	1.4111	1.4452	1.4020	1.3248
Butter, one-pound prints, wholesale selling prices, California cities:					
Grade AA (93-score).....	.7898	1.6894	1.7140	1.6748	1.6097
Butter, spot cash call prices, <sup>1</sup> Chicago Mercantile Exchange:					
Grade AA (93-score):					
High.....	.6875	1.4550	1.5375	1.5000	1.3700
Low.....	.6575	1.3825	1.3625	1.3050	1.3050
Grade A (92-score):					
High.....	.6850	1.4500	1.5375	1.5000	1.3600
Low.....	.6575	1.3825	1.3625	1.3000	1.3000
Cheese, Cheddar, f.o.b. Wisconsin Assembly Points:					
Barrels.....		1.2208	1.2029	1.1698	1.1832
40-pound blocks.....	.4522	1.2772	1.2730	1.2321	1.2380
Cheese, prices <sup>1</sup> National Cheese Exchange, Inc.: <sup>2</sup>					
Cheddar, barrels:					
High.....	.4200	1.3075	1.2450	1.2000	1.2875
Low.....	.4025	1.1650	1.1725	1.1000	1.0900
Cheddar, 40-pound blocks:					
High.....	.4400	1.3450	1.3050	1.3000	1.3225
Low.....	.4225	1.2125	1.2175	1.1900	1.1400
Nonfat dry milk, f.o.b. plant, Central States Production Area:					
Extra Grade <sup>3</sup> .....	1.2075	.8406	.8064	.7908	.7969
Grade A.....		.8503	.8159	.8131	.8237
Whey powder, f.o.b. plant, Central States Production Area:					
Edible (nonhygroscopic).....		.1520	.1816	.2351	.1882
Used for animal feed (spray process).....		.1386	.1176	.2128	.1719

<sup>1</sup> Prices represent high and low for the year.<sup>2</sup> Green Bay, Wisconsin.<sup>3</sup> Average for high and low heat processing.<sup>4</sup> Includes Grade A.

Agricultural Marketing Service.

Table 492.—Butter: Production in specified countries, 1986–88

Continent and country	1986	1987	1988 <sup>1</sup>	Continent and country	1986	1987	1988 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Czechoslovakia.....	156	149	147
Canada.....	109	95	105	German Dem. Rep.....	320	322	310
Mexico.....	21	26	32	Hungary.....	33	33	30
United States.....	545	508	548	Poland.....	289	290	290
Total.....	675	629	685	Romania.....	52	42	44
				Yugoslavia.....	9	8	8
South America:				Total Eastern Europe.....	859	844	829
Argentina.....	32	34	33	Total Europe.....	3,285	2,934	2,680
Brazil.....	65	65	75	Soviet Union.....	1,700	1,742	1,794
Venezuela.....	5	5	4	Africa:			
Total.....	102	104	112	South Africa.....	15	11	12
Europe:				Asia:			
Belgium and Luxembourg.....	108	94	80	India.....	720	750	800
Denmark.....	112	96	94	Japan.....	88	69	69
France.....	633	569	512	Total.....	808	819	869
Germany, Fed. Rep. of.....	567	464	392	Oceania:			
Greece.....	6	5	5	Australia <sup>2</sup> .....	105	104	98
Ireland.....	160	150	135	New Zealand <sup>3</sup> .....	299	248	279
Italy.....	70	70	65	Total.....	404	352	377
Netherlands.....	264	199	170	Grand total.....	6,989	6,591	6,529
Portugal.....	9	8	8				
Spain.....	23	29	24				
United Kingdom.....	222	174	144				
Total EC.....	2,180	1,858	1,629				
Austria.....	46	41	39				
Finland.....	72	68	61				
Norway.....	25	25	23				
Sweden.....	66	64	63				
Switzerland.....	37	34	36				
Total other Western Europe.....	246	232	222				

<sup>1</sup> Preliminary.<sup>2</sup> Year ending June 30.<sup>3</sup> Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 493.—Cheese: Production in specified countries, 1986-88

Continent and country	1986	1987	1988 <sup>1</sup>	Continent and country	1986	1987	1988 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
<b>North America:</b>				<b>Europe—Con.</b>			
Canada.....	226	246	251	Sweden.....	106	107	112
Mexico.....	262	298	431	Switzerland.....	131	128	131
United States.....	2,363	2,424	2,527	<b>Total other Western Europe.....</b>	<b>464</b>	<b>466</b>	<b>479</b>
<b>Total.....</b>	<b>2,851</b>	<b>2,968</b>	<b>3,209</b>	Czechoslovakia.....	134	142	140
<b>South America:</b>				German Dem. Rep.....	253	264	264
Argentina.....	256	277	265	Hungary.....	50	52	54
Brazil.....	185	195	190	Poland.....	114	123	120
Venezuela.....	83	82	83	Romania.....	84	86	89
<b>Total.....</b>	<b>524</b>	<b>554</b>	<b>538</b>	Yugoslavia.....	45	48	50
<b>Europe:</b>				<b>Total Eastern Europe.....</b>	<b>680</b>	<b>715</b>	<b>717</b>
Belgium and Luxembourg.....	53	59	64	<b>Total Europe.....</b>	<b>5,205</b>	<b>5,347</b>	<b>5,458</b>
Denmark.....	252	271	258	Soviet Union.....	844	861	890
France <sup>2</sup> .....	1,320	1,342	1,375	<b>Africa:</b>			
Germany, Fed. Rep. of.....	530	553	570	South Africa.....	39	44	46
Greece.....	203	197	198	<b>Asia and Oceania:</b>			
Ireland.....	63	65	78	Japan.....	24	25	25
Italy.....	694	704	700	Australia <sup>3</sup> .....	170	177	176
Netherlands.....	534	552	558	New Zealand <sup>4</sup> .....	127	113	129
Portugal.....	46	47	48	<b>Total.....</b>	<b>321</b>	<b>315</b>	<b>330</b>
Spain.....	110	113	115	<b>World total.....</b>	<b>9,784</b>	<b>10,089</b>	<b>10,471</b>
United Kingdom.....	256	263	298				
<b>Total EC.....</b>	<b>4,061</b>	<b>4,166</b>	<b>4,262</b>				
Austria.....	78	78	82				
Finland.....	77	78	80				
Norway.....	72	75	74				

<sup>1</sup> Preliminary. <sup>2</sup> Includes uncurd cheese. <sup>3</sup> Year ending June 30. <sup>4</sup> Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 494.—Dairy products: United States imports by type of product, 1974-88

Year	Dried milk <sup>1</sup>	Cheese				Butter	Casein
		Swiss <sup>2</sup>	Cheddar <sup>3</sup>	Other	Total		
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	52,200	35,892	48,635	58,637	143,164	5,252	51,206
1975.....	1,121	26,717	4,834	49,862	81,413	239	26,510
1976.....	824	34,639	3,649	55,714	94,002	255	50,867
1977.....	831	33,978	4,246	56,760	94,984	337	65,429
1978.....	1,120	42,010	4,880	62,988	110,998	334	62,204
1979.....	989	34,169	4,653	73,820	112,642	357	68,415
1980.....	2,218	30,214	4,858	69,778	104,850	258	69,019
1981.....	1,248	29,990	4,750	77,600	112,340	810	57,981
1982.....	878	30,479	5,751	85,944	122,174	764	80,175
1983.....	1,136	31,045	5,781	93,014	129,840	768	72,428
1984.....	1,113	31,513	6,300	100,997	138,810	742	87,357
1985.....	1,316	31,627	5,778	99,811	137,216	852	87,321
1986.....	969	29,904	6,445	97,610	133,959	926	107,938
1987.....	1,301	26,665	4,493	88,824	119,982	905	108,136
1988 <sup>4</sup> .....	988	23,307	5,438	83,618	112,363	1,020	73,676

<sup>1</sup> Includes whole and skimmed milk.

<sup>2</sup> Includes Emmentaler with eye-formation.

<sup>3</sup> Includes colby cheese.

<sup>4</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 495.—Dairy products: United States imports by country of origin, 1986–88

Commodity and country of origin	1986	1987	1988 <sup>1</sup>	Commodity and country of origin	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Cheese, all types:</b>				<b>Cheese, cheddar:<sup>2</sup></b>			
Canada.....	1,782	2,301	2,556	Canada.....	605	787	794
Argentina.....	4,038	4,014	5,060	Austria.....	5	4	0
Austria.....	7,523	7,383	6,319	Ireland.....	18	18	39
Belgium and Luxembourg.....	2,730	325	208	United Kingdom.....	192	139	123
Denmark.....	13,212	10,508	9,485	Australia.....	1,184	1,262	1,221
Finland.....	10,478	10,423	8,800	New Zealand.....	4,300	2,101	3,055
France.....	10,374	9,491	8,446	Other countries.....	160	183	206
Germany, Fed. Rep. of.....	10,359	9,230	8,579	<b>Total.....</b>	<b>6,461</b>	<b>4,494</b>	<b>5,438</b>
Iceland.....	623	522	189	<b>Cheese, Swiss:<sup>3</sup></b>			
Ireland.....	562	1,838	1,629	Austria.....	6,891	6,709	5,565
Italy.....	12,665	15,998	14,238	Denmark.....	1,370	794	983
Netherlands.....	7,013	6,837	5,921	Finland.....	9,218	9,052	7,340
Norway.....	7,319	7,549	7,083	France.....	577	281	276
Portugal.....	2,238	5,509	3,530	Germany, Fed. Rep. of.....	4,774	1,631	770
Sweden.....	1,412	1,318	1,365	Iceland.....	300	257	105
Switzerland.....	5,313	4,362	4,389	Netherlands.....	1,194	605	619
United Kingdom.....	2,402	2,177	974	Norway.....	6,863	7,060	6,663
Israel.....	930	883	870	Switzerland.....	4,082	3,263	3,148
Czechoslovakia.....	123	236	153	Other countries.....	1,948	3,240	2,796
Hungary.....	862	717	1,360	<b>Total.....</b>	<b>37,217</b>	<b>32,892</b>	<b>28,265</b>
Poland.....	1,093	1,153	1,361				
New Zealand.....	22,574	9,944	18,307				
Other countries.....	8,334	7,883	8,755				
<b>Total.....</b>	<b>133,959</b>	<b>120,161</b>	<b>114,577</b>				

<sup>1</sup> Preliminary.<sup>2</sup> Includes colby cheese.<sup>3</sup> Includes Emmenthaler with eye-formation and Gruyère process cheese.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



Table 496.—Dairy products: Exports by principal exporting countries, 1986-88

Commodity and country of destination	1986	1987	1988 <sup>1</sup>	Commodity and country of destination	1986	1987	1988 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Butter:</b>				<b>Sweetened condensed milk:</b>			
Belgium Luxembourg .....	137,000	169,000	164,000	United States .....	2,622	1,121	2,467
Denmark .....	66,000	70,000	60,000	Belgium/Luxembourg.....	5,542	8,464	n.a.
France .....	112,000	182,000	172,000	France.....	32,430	32,572	n.a.
Germany, Fed. Rep. of.....	206,000	246,000	259,000	Germany, Fed. Rep. of.....	6,911	12,300	n.a.
Ireland .....	78,000	147,000	172,000	Netherlands.....	100,205	94,238	n.a.
Netherlands.....	252,000	417,000	473,000	<b>Total.....</b>	<b>147,710</b>	<b>148,695</b>	
United Kingdom.....	34,000	133,000	119,000				
Australia <sup>2</sup> .....	49,000	35,000	52,000	<b>Milk, dried whole:</b>			
New Zealand <sup>3</sup> .....	224,000	236,000	240,000	United States .....	1,317	3,966	8,699
<b>Total.....</b>	<b>1,310,000</b>	<b>1,829,000</b>	<b>1,881,000</b>	Belgium/Luxembourg.....	31,136	54,864	74,000
				Denmark .....	86,945	84,585	81,000
<b>Cheese: <sup>4</sup></b>				France.....	162,296	179,181	210,000
Denmark .....	198,000	212,000	195,000	Germany, Fed. Rep. of.....	43,036	57,735	120,000
Finland .....	33,000	34,000	29,000	Ireland .....	26,869	37,326	36,000
France .....	237,000	247,000	262,000	Netherlands.....	188,635	257,808	281,000
Germany, Fed. Rep. of.....	296,000	305,000	315,000	United Kingdom.....	44,395	61,077	78,000
Ireland.....	67,000	56,000	74,000	Australia <sup>2</sup> .....	49,000	52,000	48,000
Italy.....	48,000	55,000	56,000	New Zealand <sup>3</sup> .....		182,000	159,000
Netherlands.....	376,000	383,000	400,000	<b>Total.....</b>	<b>788,629</b>	<b>970,458</b>	<b>1,087,699</b>
Switzerland.....	64,000	60,000	62,000				
Australia <sup>2</sup> .....	66,000	61,000	74,000	<b>Milk, nonfat dry milk:</b>			
New Zealand <sup>3</sup> .....	91,000	101,000	105,000	Canada.....	66,000	46,000	55,000
<b>Total.....</b>	<b>1,733,000</b>	<b>1,788,000</b>	<b>1,845,000</b>	United States .....	408,000	384,000	189,000
				Belgium/Luxembourg.....	118,000	87,000	51,000
<b>Evaporated milk:</b>				Denmark .....	18,000	22,000	5,000
United States.....	2,287	1,227	1,010	France.....	285,000	110,000	78,000
Denmark .....	8,840	11,935	n.a.	Germany, Fed. Rep. of.....	406,000	590,000	819,000
France.....	34,670	29,098	n.a.	Ireland .....	132,000	119,000	80,000
Germany, Fed. Rep. of.....	176,452	146,860	n.a.	Netherlands.....	181,000	155,000	219,000
Netherlands.....	330,797	314,841	n.a.	United Kingdom.....	170,000	102,000	83,000
United Kingdom.....	1,262	659	n.a.	Australia <sup>2</sup> .....	83,000	84,000	75,000
<b>Total.....</b>	<b>554,308</b>	<b>504,620</b>		New Zealand <sup>3</sup> .....	179,000	183,000	183,000
				<b>Total.....</b>	<b>2,003,962</b>	<b>1,893,781</b>	<b>1,930,000</b>

<sup>1</sup> Preliminary.<sup>2</sup> Year ending June 30.<sup>3</sup> Year ending May 31.<sup>4</sup> Excludes fresh cheese.

n.a. not available.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 497.—Dairy products: United States exports <sup>1</sup> by country of destination, 1986-88

Commodity and country of destination	1986	1987	1988 <sup>2</sup>	Commodity and country of destination	1986	1987	1988 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Butter:</b>				<b>Cheese, all types:</b>			
Bahamas .....	20	19	0	Australia .....	31	11	31
Canada .....	8	56	8	Bahamas .....	138	129	198
Dominican Rep.....	0	0	139	Barbados.....	22	31	27
Egypt.....	2,025	0	0	Bermuda.....	90	138	278
Jamaica.....	104	543	551	Belize.....	51	47	60
Mexico.....	3,758	3,030	450	Canada.....	840	1,442	1,741
Mozambique.....	0	3,175	0	Cayman Island.....	95	98	90
Poland.....	84	0	0	Chile.....	185	839	63
Trust Territory of the Pacific Islands .....	0	0	0	Colombia.....	77	110	68
Iraq.....	0	477	5,069	Dominican Rep.....	25	68	75
Other countries.....	166	172	587	Egypt.....	506	0	0
<b>Total <sup>3</sup> .....</b>	<b>6,165</b>	<b>7,472</b>	<b>6,804</b>	Haiti.....	105	218	137
				Hong Kong.....	65	146	166

See footnotes at end of table.

Table 497.—Dairy products: United States exports<sup>1</sup> by country of destination, 1986-88—Continued

Commodity and country of destination	1986	1987	1988 <sup>2</sup>	Commodity and country of destination	1986	1987	1988 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cheese, all types—Con.				Burkina.....	5,801	5,656	851
Indonesia.....	15	12	13	Chad.....	0	0	0
Jamaica.....	1,035	1,033	66	Chile.....	6,481	3,560	1,519
Japan.....	784	929	1,137	Egypt.....	4,376	2,293	1,138
Korea.....	76	105	66	El Salvador.....	6,413	5,304	1,409
Leeward-Windward Is.....	27	17	28	Ethiopia.....	21,557	4,014	2,686
Mexico.....	6,065	9,729	424	Guatemala.....	7,372	6,620	1,029
Mozambique.....	0	1,103	0	Haiti.....	4,040	7,653	736
Netherlands.....	0	22	23	India.....	535	0	5,486
Netherlands Antilles.....	145	157	151	Indonesia.....	4,653	4,351	3,696
Panama.....	429	364	255	Iraq.....	6,066	14,037	12,680
Peru.....	8	4	0	Jamaica.....	9,968	5,739	1,547
Poland.....	0	0	0	Kenya.....	0	0	0
Saudi Arabia.....	42	75	132	Mauritania.....	3,810	520	257
Singapore.....	47	54	82	Mexico.....	58,291	61,612	83,027
South Africa.....	44	46	46	Morocco.....	6,639	2,934	4,035
Taiwan.....	21	0	42	Nigeria.....	1,970	5	423
Trinidad and Tobago.....	181	75	96	Pakistan.....	3,709	0	0
Trust Territory of the Pacific Islands.....	0	12	5	Peru.....	14,517	4,706	8,299
Venezuela.....	32	20	14	Philippines.....	14,580	24,917	32,908
Other countries.....	1,259	2,531	18,560	Poland.....	1,828	0	0
Total.....	12,440	19,560	24,007	Senegal.....	2,032	1,526	628
				Somalia.....	1,601	873	0
				South Africa.....	244	367	0
				Spain.....	0	0	1,012
				Sudan.....	3,093	0	1,555
				Other countries.....	67,959	75,322	50,077
				Total <sup>3</sup> .....	399,223	311,852	218,634
Evaporated milk:				Infants dietary supplements, dry milk base:			
Bahamas.....	135	56	0	Canada.....	256	228	133
Haiti.....	256	483	363	Dominican Republic.....	18	16	99
Mexico.....	1,452	354	313	Bermuda.....	59	101	55
Nigeria.....	109	0	0	Bahamas.....	102	61	77
Trinidad—Tobago.....	92	0	0	Israel.....	129	12	29
Trust Territory of the Pacific Islands.....	108	0	0	Mexico.....	13	7	0
Other countries.....	135	334	334	Panama.....	38	39	16
Total.....	2,287	1,227	1,010	Poland.....	77	20	24
				Peru.....	8	0	0
				Taiwan.....	128	0	110
				Hong Kong.....	378	549	1,002
				Malaysia.....	76	41	126
				Italy.....	35	8	3
				Spain.....	9	9	22
				Singapore.....	22	38	55
				United Kingdom.....	47	15	57
				Australia.....	101	77	122
				El Salvador.....	0	993	35
				Soviet Union.....	0	1,579	87
				Iraq.....	0	748	852
				Other countries.....	1,232	837	856
				Total <sup>3</sup> .....	2,728	5,378	3,760
Milk, nonfat dry:							
Angola.....	4,356	2,955	0				
Austria.....	28,905	10,115	0				
Bolivia.....	6,436	7,436	3,636				
Brazil.....	101,491	73,373	0				

<sup>1</sup> Excludes exports for relief.<sup>2</sup> Preliminary.<sup>3</sup> Totals may not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 498.—Dairy products: Price-support operations, United States, 1974-88

Marketing year <sup>1</sup>	Manufacturing milk			Butter-fat <sup>3</sup>	Product purchase price per pound <sup>4</sup>			Product purchases <sup>6</sup>			
	Support level		Average price received by farmers per cwt.		Butter <sup>5</sup>	Cheddar cheese <sup>6</sup>	Nonfat milk, spray process <sup>7</sup>	Quantity		Percentage of milk and cream marketed by farmers	
	At National Average Milkfat test, per cwt.	Percentage of parity equivalent price <sup>2</sup>		Average price received by farmers per lb.				Milk-fat content	Non-fat solids content	Milk-fat content	Non-fat solids content
	Dollars	Percent	Dollars	Cents	Cents	Cents	Cents	Million pounds	Million pounds	Per cent	Per cent
1974	6.57	81	6.87	61.3	60.57	70.75	56.6	90	415	2.2	4.3
	12 7.24	89			12 68.07	77.25	12 60.6				
1975	7.24	79	8.12	74.6	69.19	79.25	60.06	36	280	1.0	3.0
	13 7.71	84			13 79.69	85.00	13 62.4				
1976	8.13	80	8.52	83.4	85.817	90.50	62.4	126	213	2.9	2.1
	14 8.26	81			14 90.817	92.50					
(18)	(9.00)	(82)	(8.65)		(100.71)	(98.00)	(68.0)	(139)	(362)	(6.2)	(6.9)
1977	9.00	82	9.30	92.0	100.71	98.00	68.0	125	343	2.9	3.4
	17 9.43	86			106.71	103.25	71.0				
1978	9.87	80	10.86	102.0	111.30	106.0	73.75	44	202	1.0	2.0
	18 10.76	87			121.80	116.0	79.0				
1979	11.49	80	11.75	119.0	131.33	124.0	84.0	301	679	6.7	6.3
	19 12.36	86			140.58	132.5	89.5				
1980	13.10	80	12.71		149.00	139.5	94.0	465	928	9.9	8.3
1981	13.49	75	12.66		153.00	143.25	96.5	508	1,104	10.5	9.7
	20 13.10	73			149.00	139.50	94.0				
1982	13.10	69	12.66		149.00	139.50	94.0	604	1,268	12.1	10.9
	21 13.10	65	12.47		149.00	139.50	94.0	374	914	7.5	7.7
1983	12.60	62			143.25	134.75	91.0				
	22 12.60	57	12.08		143.25	134.75	91.0	420	974	8.4	8.3
1984	12.10	54			139.75	123.00	80.75				
	23 11.60	55	11.31		139.75	125.00	80.75				
1985	11.60	53			139.75	125.00	80.75				
1986	11.35	54	11.42		137.75	122.50	78.75				
	25 11.10	52			135.75	120.00	76.75				
1987	10.60	50	11.03		132.00	115.25	72.75				
	26 10.60	50			132.00	115.25	72.75				
1988	11.10	52			132.00	116.25	79.0				
	28 10.60	50			120.50	111.50	79.0				

<sup>1</sup> Marketing year changed from April-March to October-September on Oct. 1, 1977. <sup>2</sup> Percentage of the parity equivalent price for manufacturing milk and the parity price for butterfat as of the beginning of the marketing year. <sup>3</sup> The Agricultural Act of 1949, as amended, required that the price of butterfat be supported through March 31, 1970. This requirement was superseded by the Agricultural Act of 1970 and terminated by the Agriculture and Consumer Protection Act of 1973. <sup>4</sup> Announced purchase prices for products in bulk containers. <sup>5</sup> Through March 31, 1985, indicated price is for Chicago (which represents an approximate U.S. average purchase price) based on New York prices less 80 percent of the lowest rail freight rate from Chicago to New York. Effective April 1, 1985, single nationwide price. <sup>6</sup> U.S. Grade A or higher, standard moisture basis. <sup>7</sup> U.S. Extra Grade, not more than 3.5 percent moisture content. Prices quoted are for product in 100-lb. bags, Nov. 4, 1955 through Aug. 18, 1967 and 50-lb. bags beginning Aug. 19, 1967. <sup>8</sup> Milkfat and nonfat solids content of butter, cheese, and nonfat dry milk purchased under price support and related programs. (Excludes purchases of fluid milk partly paid for by CCC under military and veterans milk program). Includes purchases at market prices for domestic school lunch and welfare programs beginning with the 1966-67 marketing year and ending in the 1973-74 marketing year under Section 709 of the Food and Agriculture Act of 1965. Includes purchases with Section 32 funds for distribution to needy persons of evaporated milk beginning in the 1968-69 marketing year and purchases of dry whole milk during 1971-72 through 1974-75. Purchases were also made in 1973-74 through 1975-76 marketing year under Section 4(a) of the Agriculture and Consumer Protection Act of 1973. <sup>9</sup> Effective Jan. 10, 1971. <sup>10</sup> Effective Mar. 15, 1973. <sup>11</sup> Effective Aug. 10, 1973. <sup>12</sup> Effective Jan. 4, 1975. <sup>13</sup> Effective Oct. 2, 1975. <sup>14</sup> Effective Oct. 1, 1976. <sup>15</sup> Calendar year average, discontinued after 1979. <sup>16</sup> Transition period. <sup>17</sup> Effective Apr. 1, 1978 (80 percent of parity as of that date). <sup>18</sup> Effective Apr. 1, 1979 (78 percent of parity as of that date). <sup>19</sup> Effective Apr. 1, 1980 (79 percent of parity as of that date). <sup>20</sup> Effective Oct. 21, 1981. <sup>21</sup> Effective Dec. 1, 1983. <sup>22</sup> Effective Apr. 1, 1985. <sup>23</sup> Effective July 1, 1985. <sup>24</sup> Effective Dec. 23, 1985. <sup>25</sup> Effective Dec. 23, 1986. <sup>26</sup> Effective Jan. 1, 1988.

Agricultural Stabilization and Conservation Service.

Table 499.—Dairy products: United States exports<sup>1</sup> by type of product, 1974–88

Year	Butter	Cheese	Milk and cream			
			Evaporated (unsweet- ened)	Condensed (sweetened)	Whole dried	Nonfat dry milk
			<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974	264	3,433	18,449	1,013	20,284	3,039
1975	313	3,879	24,019	957	15,783	41,074
1976	199	3,989	20,185	2,141	14,098	4,684
1977	272	4,660	13,057	2,408	10,579	17,580
1978	270	4,775	14,967	1,819	5,877	49,840
1979	424	5,405	17,968	1,531	4,418	68,135
1980	591	5,715	17,435	2,037	3,474	101,060
1981	53,588	5,731	14,469	1,049	2,663	112,705
1982	62,682	17,959	8,355	167	2,604	126,416
1983	27,577	17,447	2,272	280	1,950	250,944
1984	44,178	16,731	3,290	377	1,041	268,875
1985	29,965	15,695	4,425	838	749	347,329
1986	6,165	12,434	2,287	2,622	1,317	365,962
1987	7,472	19,560	1,227	1,121	3,966	298,781
1988 <sup>2</sup>	6,804	24,007	1,010	2,467	8,699	218,634

<sup>1</sup> Excludes exports for relief and charity.<sup>2</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 500.—Chickens: Number and value, United States, Dec. 1, 1974–88<sup>1</sup>

Year	Hens	Pullets			Other chickens	All chickens	Value per head	Total value
		Of laying age	3 months old and older not of laying age	Under 3 months old				
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974	121,849	164,184	46,752	45,832	5,484	394,101	1.70	653,905
1975	122,513	157,230	48,404	46,261	5,346	379,754	1.74	659,960
1976	119,083	160,695	47,776	45,175	5,632	378,361	1.70	643,720
1977	117,645	169,032	47,653	46,191	5,997	386,518	1.69	651,851
1978	123,191	170,115	48,992	48,681	5,954	396,933	1.75	696,019
1979	120,140	174,793	50,186	49,048	6,418	400,585	1.81	726,365
1980	122,058	172,009	47,183	44,358	6,323	391,931	1.88	737,495
1981	128,946	164,840	42,400	42,298	6,836	385,338	1.89	728,460
1982	133,382	156,255	40,479	42,547	6,556	379,219	1.85	702,566
1983	132,674	145,843	37,747	42,331	6,285	364,880	1.96	716,700
1984	119,243	166,605	39,013	42,703	6,444	374,008	2.02	754,312
1985	130,623	149,146	37,649	44,512	6,618	368,548	1.90	700,150
1986	125,040	154,900	40,225	41,746	7,220	369,131	1.87	690,818
1987	124,743	161,021	41,028	44,457	6,478	377,727	1.87	706,131
1988 <sup>2</sup>	122,779	152,573	33,327	40,789	6,021	355,489	2.04	725,016

<sup>1</sup> Does not include commercial broilers.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 501.—Chickens: Hens and pullets of laying age, by States, Dec. 1, 1986–88

State	Hens and pullets of laying age								
	Hens			Pullets			Total		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands
AL.....	4,750	4,955	4,270	6,435	6,455	5,695	11,185	11,410	9,965
AK.....	10	1	3	43	3	1	53	4	4
AZ.....	315	221	200	165	149	100	480	370	300
AR.....	7,508	5,597	6,138	7,684	11,053	7,955	15,192	16,650	14,098
CA.....	15,400	15,800	18,400	17,500	18,200	13,400	32,900	34,000	31,800
CO.....	1,470	1,440	1,570	1,130	1,550	1,605	2,600	2,990	3,175
CT.....	2,182	2,505	2,598	3,211	1,997	1,590	5,393	4,502	4,188
DE.....	150	131	193	465	545	415	615	676	608
FL.....	6,750	6,310	7,510	3,710	4,850	3,830	10,460	11,160	11,340
GA.....	7,335	6,932	5,947	11,134	11,724	12,240	18,469	18,656	18,187
HI.....	609	598	633	364	384	372	973	982	1,005
ID.....	509	550	465	371	370	405	880	920	870
IL.....	1,230	1,240	1,190	1,450	1,820	2,000	2,680	3,060	3,190
IN.....	8,855	9,200	6,300	12,745	13,340	15,650	21,600	22,540	21,950
IA.....	2,600	2,900	3,620	3,400	3,900	4,900	6,000	6,800	8,520
KS.....	650	660	550	1,270	1,040	1,120	1,920	1,700	1,670
KY.....	880	950	850	925	985	960	1,805	1,935	1,810
LA.....	720	580	740	800	870	640	1,520	1,450	1,380
ME.....	2,148	3,240	2,737	2,714	1,927	1,973	4,862	5,167	4,710
MD.....	1,424	1,415	1,054	2,395	2,209	2,484	3,819	3,624	3,538
MA.....	600	305	417	630	585	541	1,130	890	958
MI.....	2,550	2,650	2,200	4,150	3,950	3,600	6,700	6,600	5,800
MN.....	4,700	4,400	4,500	5,300	5,200	4,500	10,000	9,600	9,000
MS.....	2,460	2,279	2,918	2,888	2,893	2,387	5,348	5,172	5,305
MO.....	2,700	2,500	3,100	3,600	4,600	2,800	6,300	7,100	5,900
MT.....	352	331	285	438	439	405	790	770	690
NE.....	1,800	1,800	1,740	1,600	2,080	1,840	3,400	3,880	3,580
NV.....	10	10	9	2	3	4	12	13	13
NH.....	157	98	102	146	167	108	303	265	210
NJ.....	1,020	1,070	735	900	580	965	1,920	1,650	1,700
NM.....	743	660	605	427	560	477	1,170	1,220	1,082
NY.....	2,400	1,500	1,600	3,200	2,800	2,550	5,600	4,300	4,150
NC.....	6,570	5,745	4,710	7,380	8,455	9,700	13,950	14,200	14,410
ND.....	128	95	132	102	140	108	230	235	240
OH.....	6,350	9,000	7,000	9,550	8,600	10,450	15,900	17,600	17,450
OK.....	1,300	900	1,445	2,100	2,300	2,310	3,400	3,200	3,755
OR.....	1,610	1,300	1,460	965	1,005	1,040	2,575	2,305	2,500
PA.....	5,700	7,100	6,700	11,600	11,400	13,300	17,300	18,500	20,000
RI.....	35	89	128	192	104	53	227	193	181
SC.....	2,750	2,570	2,030	3,490	3,710	3,145	6,240	6,280	5,175
SD.....	821	600	640	719	900	630	1,540	1,500	1,270
TN.....	1,000	1,260	730	1,585	1,210	1,000	2,585	2,470	1,730
TX.....	6,100	6,500	7,100	8,700	7,600	6,600	14,800	14,100	13,700
UT.....	1,213	1,086	1,237	645	939	631	1,858	2,025	1,868
VT.....	72	99	42	148	116	116	220	215	158
VA.....	1,590	1,531	1,748	2,113	2,034	1,919	3,703	3,565	3,667
WA.....	2,744	2,160	2,768	2,357	2,899	2,106	5,101	5,059	4,874
WV.....	341	347	271	157	271	196	498	618	467
WI.....	1,818	1,520	1,450	1,894	2,100	1,750	3,712	3,620	3,200
WY.....	11	13	9	11	10	7	22	23	16
US.....	125,040	124,743	122,779	154,900	161,021	152,573	279,940	285,764	275,352

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 502.—Chickens: Pullets not of laying age, and other chickens, by States, Dec. 1, 1986–88**

State	Pullets 3 months old and older not of laying age			Pullets under 3 months old			Other chickens		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	2,270	2,000	1,855	2,120	2,040	2,075	940	855	775
AK.....	3	0	1	1	1	0	1	1	0
AZ.....	21	6	3	11	4	1	16	5	6
AR.....	4,322	3,654	3,113	3,609	3,941	3,198	1,259	1,098	1,031
CA.....	4,800	3,400	2,200	2,900	3,100	2,600	300	200	200
CO.....	124	234	310	200	240	498	11	6	3
CT.....	842	818	754	385	1,090	650	14	80	8
DE.....	104	107	235	145	175	76	74	69	67
FL.....	1,300	980	1,280	1,700	1,580	1,160	150	150	130
GA.....	3,085	3,038	1,981	3,040	3,324	2,606	1,102	977	813
HI.....	107	124	135	105	106	77	0	0	0
ID.....	137	213	245	165	156	156	15	11	9
IL.....	290	380	340	280	520	200	40	50	30
IN.....	2,770	3,150	2,450	3,470	3,215	3,350	75	75	50
IA.....	800	750	740	850	800	800	50	50	40
KS.....	210	210	250	220	180	320	20	10	10
KY.....	320	180	70	120	435	330	55	50	40
LA.....	250	370	330	385	330	295	95	100	95
ME.....	579	1,012	874	1,054	1,103	835	13	9	6
MD.....	591	677	241	615	849	970	104	60	72
MA.....	30	134	38	130	222	182	20	24	24
MI.....	620	720	570	750	1,150	1,000	30	30	30
MN.....	1,260	1,000	1,000	1,485	1,250	1,645	55	50	55
MS.....	1,120	1,047	1,050	1,410	1,348	1,332	397	358	416
MO.....	750	1,000	830	870	500	1,100	80	100	70
MT.....	91	152	84	125	61	131	4	7	5
NE.....	225	200	185	350	350	370	25	20	15
NV.....	2	3	2	2	1	1	1	1	1
NH.....	63	21	50	56	75	46	8	4	3
NJ.....	10	90	25	135	5	120	5	5	5
NM.....	111	80	123	328	141	112	6	4	3
NY.....	500	480	410	570	600	470	30	20	20
NC.....	3,535	2,960	2,535	3,245	3,050	2,050	830	730	760
ND.....	30	52	7	24	23	4	6	5	4
OH.....	1,950	3,700	2,740	2,900	3,200	2,780	100	100	30
OK.....	480	670	350	450	590	400	170	140	145
OR.....	330	280	60	410	370	470	50	20	20
PA.....	2,200	2,400	1,560	2,400	2,920	2,710	150	130	130
RI.....	23	53	39	3	32	21	0	7	1
SC.....	960	730	740	1,150	1,030	1,055	100	60	80
SD.....	94	114	95	211	182	131	5	4	4
TN.....	265	290	150	550	410	130	100	80	60
TX.....	1,200	1,600	1,490	1,100	2,100	2,500	400	400	510
UT.....	203	325	202	345	167	186	3	3	4
VT.....	48	27	34	45	38	16	2	3	1
VA.....	624	771	504	472	549	433	172	215	167
WA.....	220	390	609	352	540	590	27	16	12
WV.....	41	45	112	75	73	116	56	54	35
WI.....	314	390	345	374	290	490	53	30	25
WY.....	1	1	1	1	1	1	1	2	1
US.....	40,225	41,028	33,327	41,746	44,457	40,789	7,220	6,478	6,021

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 503.—Chickens: Number, value per head, and total value, by States, Dec. 1, 1986-88 <sup>1</sup>

State	Number			Value per head			Total value		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	16,515	16,305	14,670	2.15	2.30	2.90	35,507	37,502	42,543
AK.....	58	6	5	4.85	4.10	4.60	281	25	23
AZ.....	528	385	310	2.25	1.60	1.60	1,188	616	496
AR.....	24,382	25,343	21,435	2.50	2.70	3.60	60,955	68,426	77,166
CA.....	40,900	40,700	36,800	1.50	1.75	1.60	61,350	71,225	58,880
CO.....	2,935	3,470	3,988	1.35	1.45	1.60	3,962	5,032	6,378
CT.....	6,634	6,490	5,600	2.35	2.60	1.90	15,590	16,874	10,640
DE.....	938	1,027	986	4.05	4.35	5.00	3,799	4,467	4,930
FL.....	13,610	13,870	13,890	1.95	1.90	1.55	26,540	18,031	21,530
GA.....	25,696	25,995	23,587	2.25	2.45	2.60	57,816	63,688	61,326
HI.....	1,185	1,212	1,217	2.90	2.95	2.80	3,437	3,575	3,408
ID.....	1,270	1,300	1,280	1.60	1.35	1.40	2,032	1,755	1,792
IL.....	3,270	4,010	3,760	1.85	1.95	1.55	6,050	7,820	5,828
IN.....	27,915	28,980	27,800	1.40	1.30	1.25	39,081	37,674	34,750
IA.....	7,700	8,400	10,100	1.90	1.60	1.75	14,630	13,440	17,675
KS.....	2,370	2,100	2,250	1.60	1.25	1.15	3,792	2,625	2,588
KY.....	2,300	2,600	2,250	1.80	1.70	1.90	4,140	4,420	4,275
LA.....	2,250	2,250	2,100	2.20	2.15	2.25	4,950	4,838	4,725
ME.....	6,508	7,291	6,425	2.35	2.25	2.25	15,294	16,405	14,456
MD.....	5,129	5,210	4,321	2.15	1.80	2.65	11,027	9,378	12,776
MA.....	1,310	1,270	1,202	1.95	2.10	1.85	2,555	2,667	2,224
MI.....	8,100	8,500	7,400	1.45	1.30	1.55	11,745	11,050	11,470
MN.....	12,800	11,900	11,700	1.40	1.45	1.45	17,920	17,255	16,965
MS.....	8,275	7,925	8,103	2.65	2.80	3.15	21,929	22,190	25,524
MO.....	8,000	8,700	7,900	1.65	1.75	1.60	13,200	15,225	12,640
MT.....	1,010	990	910	2.00	2.45	2.30	2,020	2,426	2,093
NE.....	4,000	4,450	4,150	2.15	2.40	1.95	8,600	10,680	8,093
NV.....	17	18	17	2.90	3.10	3.20	49	56	54
NH.....	430	365	309	2.75	2.20	2.20	1,183	803	680
NJ.....	2,070	1,750	1,850	1.95	2.20	2.45	4,037	3,850	4,533
NM.....	1,615	1,445	1,320	2.45	2.00	1.40	3,957	2,890	1,848
NY.....	6,700	5,400	5,050	1.70	1.85	1.85	11,390	9,990	9,343
NC.....	21,560	20,940	19,755	1.85	1.55	3.10	39,886	32,457	61,241
ND.....	290	315	255	2.10	2.20	2.20	609	693	561
OH.....	20,850	24,600	23,000	1.45	1.40	1.30	30,233	34,440	29,900
OK.....	4,500	4,600	4,650	3.30	3.25	3.15	14,850	14,950	14,648
OR.....	3,365	2,975	3,050	1.90	1.60	1.60	6,394	4,760	4,880
PA.....	22,050	23,950	24,400	1.85	1.70	1.70	40,793	40,715	41,480
RI.....	253	285	242	2.05	2.85	1.95	519	812	472
SC.....	8,450	8,100	7,050	1.35	1.40	2.05	11,408	11,340	14,453
SD.....	1,850	1,800	1,500	1.60	1.85	1.65	2,960	3,330	2,475
TN.....	3,500	3,250	2,070	1.70	1.25	1.25	5,950	4,063	2,588
TX.....	17,500	18,200	18,200	1.60	1.70	1.75	28,000	30,940	31,850
UT.....	2,409	2,520	2,260	1.80	1.80	1.65	4,336	4,536	3,729
VT.....	315	283	209	2.35	2.15	2.20	740	608	460
VA.....	4,971	5,100	4,771	2.95	3.15	3.20	14,664	16,065	15,267
WA.....	5,700	6,005	6,085	1.60	1.60	1.65	9,120	9,608	10,040
WV.....	670	790	730	3.40	3.15	3.25	2,278	2,489	2,373
WI.....	4,453	4,330	4,060	1.80	1.70	1.70	8,015	7,361	6,902
WY.....	25	27	19	2.40	2.55	2.65	60	69	50
US.....	369,131	377,727	355,489	1.87	1.87	2.04	690,818	706,131	725,016

<sup>1</sup> Excludes commercial broilers.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 504.—Total poultry meat: Production in specified countries, 1986-88

Continent and country	1986	1987	1988 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:			
Canada.....	628	646	656
Mexico.....	590	515	592
United States.....	8,262	9,105	9,428
Total.....	9,480	10,266	10,676
Central America:			
Guatemala.....	52	74	78
South America:			
Argentina.....	370	410	370
Brazil.....	1,680	1,865	1,997
Venezuela.....	366	413	373
Total.....	2,416	2,688	2,740
Europe:			
Belgium and Luxembourg.....	169	172	186
Denmark.....	115	113	117
France.....	1,325	1,393	1,434
Germany, Fed. Rep. of.....	376	389	411
Greece.....	146	148	150
Ireland.....	57	58	59
Italy.....	940	982	996
Netherlands.....	442	471	488
Portugal.....	162	197	205
Spain.....	759	790	829
United Kingdom.....	922	999	1,056
Total EC.....	5,413	5,712	5,931
Austria.....	73	75	75
Finland.....	22	27	28
Sweden.....	45	46	47
Switzerland.....	28	29	31
Total other Western Europe.....	168	177	181
Bulgaria.....	167	169	170
Czechoslovakia.....	176	181	211
Germany, Dem. Rep.....	156	157	165
Hungary.....	445	470	465
Poland.....	332	343	347
Romania.....	455	425	370
Yugoslavia.....	329	323	330
Total Eastern Europe.....	2,060	2,068	2,058
Total Europe.....	7,641	7,957	8,170
Soviet Union.....	2,988	3,126	3,184
Africa:			
Egypt.....	160	150	135
South Africa.....	484	534	597
Total Africa.....	644	684	732
Asia, Middle East, and Oceania:			
Australia.....	367	403	401
Hong Kong.....	42	40	35
India.....	175	206	221
Iraq.....	239	172	250
Israel.....	152	157	178
Japan.....	1,432	1,465	1,471
Korea.....	19	144	153
Kuwait.....	19	19	20
New Zealand.....	46	47	50
Philippines.....	220	215	235
Saudi Arabia.....	196	236	248
Singapore.....	67	62	65
Syria.....	78	75	80
Taiwan.....	384	400	418
Thailand.....	431	464	498
Turkey.....	119	221	236
United Arab Emirates.....	14	14	14
Yemen (Sanaa).....	67	70	80
Total.....	4,169	4,410	4,653
Grand total.....	27,390	29,205	30,323

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.



Table 505.—Chickens: Lost, sold, and value of sales, 1988 (preliminary) <sup>1</sup>

State	Number lost <sup>2</sup>	Number sold	Pounds sold	Price per pound	Value of sales
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	1,450	12,500	66,250	8.2	5,433
AK.....	1	8	4	59.0	2
AZ.....	61	245	980	7.0	69
AR.....	2,500	19,200	86,400	13.0	11,232
CA.....	3,700	22,200	88,800	4.5	3,996
CO.....	250	1,840	7,912	13.0	1,029
CT.....	304	2,067	10,335	5.0	517
DE.....	210	838	6,285	9.0	566
FL.....	1,690	5,000	24,000	10.0	2,400
GA.....	2,780	17,200	89,440	10.5	9,391
HI.....	159	346	1,246	13.8	172
ID.....	114	598	2,272	5.8	132
IL.....	400	2,300	10,580	9.0	952
IN.....	3,100	16,500	59,400	6.8	4,039
IA.....	1,100	5,400	18,900	9.5	1,796
KS.....	95	1,320	5,940	13.0	772
KY.....	300	1,400	4,760	10.0	476
LA.....	280	1,100	6,270	13.0	815
ME.....	650	2,196	10,980	5.0	549
MD.....	490	2,600	13,780	9.0	1,240
MA.....	81	717	3,585	5.0	179
MI.....	625	5,300	24,380	7.5	1,829
MN.....	1,400	6,500	23,400	8.9	2,083
MS.....	1,000	8,100	49,410	9.5	4,694
MO.....	1,050	5,500	30,250	13.0	3,933
MT.....	195	724	2,896	6.0	174
NE.....	450	1,890	7,560	11.0	832
NV.....	4	4	16	9.7	2
NH.....	8	193	965	5.0	48
NJ.....	200	1,230	4,920	19.0	935
NM.....	114	647	2,523	5.0	126
NY.....	600	4,500	17,100	5.2	889
NC.....	1,900	12,700	99,060	11.0	10,897
ND.....	120	200	800	8.0	64
OH.....	2,100	11,270	40,572	12.2	4,950
OK.....	480	3,000	21,300	13.0	2,769
OR.....	270	1,400	7,000	6.0	420
PA.....	2,300	17,300	77,850	7.0	5,450
RI.....	12	68	340	5.0	17
SC.....	700	4,900	22,050	9.3	2,051
SD.....	250	1,200	4,800	6.0	288
TN.....	280	1,570	6,280	10.0	628
TX.....	1,960	9,400	31,020	12.0	3,722
UT.....	202	1,070	4,280	6.7	287
VT.....	11	158	790	5.0	40
VA.....	216	3,011	22,583	6.5	1,468
WA.....	450	3,600	13,320	6.0	799
WV.....	80	480	2,160	8.6	186
WI.....	500	2,950	11,210	9.0	1,009
WY.....	12	18	77	5.0	4
US.....	37,204	224,458	1,047,031	9.2	96,346

<sup>1</sup> Estimates cover the 12-month period, Dec. 1, previous year through Nov. 30 and excludes broilers.<sup>2</sup> Includes death and other losses during the 12-month period.

National Agricultural Statistics Service.

**Table 506.—Chickens: Production, disposition, cash receipts, and gross income, United States, 1974–88 <sup>1</sup>**

Year	Number				
	Raised	Lost <sup>2</sup>	Produced <sup>3</sup>	Consumed on production units	Sold
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974.....	288,353	46,235	242,118	14,421	252,865
1975.....	276,085	43,210	232,825	13,451	223,721
1976.....	270,678	42,077	228,601	12,775	217,219
1977.....	288,162	42,775	245,387	12,164	225,066
1978.....	283,066	41,371	241,695	11,420	219,860
1979 <sup>4</sup> .....	293,260	42,545	250,715	11,207	235,856
1980.....	285,057	44,421	240,636	10,795	238,495
1981.....	282,963	40,468	242,485	10,502	238,576
1982.....	281,865	35,191	246,174	10,266	242,027
1983.....	272,551	40,835	231,716	9,345	236,710
1984.....	288,698	46,229	242,469	8,677	224,664
1985.....	.....	37,502	.....	.....	220,395
1986.....	.....	35,820	.....	.....	216,338
1987.....	.....	36,479	.....	.....	216,487
1988 <sup>5</sup> .....	.....	37,204	.....	.....	224,458

  

Year	Pounds (live weight)			Price per pound live weight	Value of chickens produced	Cash receipts (sales)	Value of chickens consumed on production units	Gross income
	Produced	Consumed on production units	Sold					
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	1,186,148	55,162	1,202,562	9.7	114,896	116,414	5,213	121,627
1975.....	1,066,512	51,893	1,047,000	9.9	104,669	104,093	5,175	109,268
1976.....	1,108,914	49,595	1,046,091	13.0	144,981	135,539	6,279	141,818
1977.....	1,171,656	47,491	1,082,313	12.3	145,429	132,675	5,706	138,381
1978.....	1,136,231	44,606	1,050,474	12.4	141,840	130,048	5,476	135,524
1979 <sup>4</sup> .....	1,216,156	43,802	1,147,638	13.9	170,593	160,088	6,084	166,172
1980.....	1,177,554	41,776	1,167,017	11.0	128,698	128,268	4,539	132,807
1981.....	1,214,886	41,443	1,187,255	11.1	135,282	132,271	4,508	136,779
1982.....	1,171,585	40,899	1,158,703	10.3	121,021	118,915	4,080	122,995
1983.....	1,137,215	36,820	1,158,551	12.7	145,327	147,454	4,670	152,124
1984.....	1,137,774	34,246	1,067,729	15.9	180,823	169,732	5,488	175,220
1985.....	.....	.....	1,029,146	14.8	152,175	.....	.....	.....
1986.....	.....	.....	1,019,446	12.5	127,572	.....	.....	.....
1987.....	.....	.....	1,019,376	11.0	112,129	.....	.....	.....
1988 <sup>5</sup> .....	.....	.....	1,047,031	9.2	96,346	.....	.....	.....

<sup>1</sup> Excludes broiler production.

<sup>2</sup> Loss during year.

<sup>3</sup> The quantity available for utilization during the year, i.e., sales plus home consumption plus or minus the change in inventory.

<sup>4</sup> Included are layers destroyed because of possible PCB contamination.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 507.—Chickens and turkeys: Participation in the National Poultry and Turkey Improvement Plans, by States 1987<sup>1</sup>

State	National Poultry Improvement Plan				National Turkey Improvement Plan			
	Hatcheries		Supply flocks		Hatcheries		Supply flocks	
	Number	Egg capacity	Flocks	Birds	Number	Egg capacity	Flocks	Birds
	Thousands	Number	Thousands		Thousands	Number	Thousands	
AL.....	60	76,401	649	8,320				
AZ.....			1					
AR.....	41	40,977	482	3,830	2	1,205	23	138
CA.....	3		11	83	7		147	822
CO.....			8	0	2	945	16	115
CT.....	6	1,973	196	386				
DE.....	4	11,361	22	97				
FL.....	38	18,609	178	1,387	2	394		
GA.....	37	68,113	642	7,372	1	400	4	17
ID.....	2	1,158	2	85				
IL.....	95	2,115	179	211	1	212	2	7
IN.....	31	9,442	165	829	2	664	23	60
IA.....	26	5,426	80	219	3	720		
KS.....	14	1,324	297	77	3	578	7	50
KY.....	5	1,393	21	28				
LA.....	2	3,175	119	786				
ME.....	5	4,506	83	160			6	2
MD.....	15	31,050	250	337	2	33	3	1
MA.....	7	1,364	176	110			3	2
MI.....	3	866	34	99	1	617	5	34
MN.....	61	7,051	93	464	7	9,453	137	939
MS.....	85	31,530	355	3,573				
MO.....	16	5,297	218	120	5	4,020	29	295
MT.....	6	138	4	0				
NE.....	13	1,230	57	21			6	20
NH.....	1	1,200	44	105	1	58	2	2
NJ.....	16	274	30	18	2	82	3	4
NM.....	6	778			3	350		
NY.....	88	608	39	33				
NC.....	38	56,377	1,006	9,812	8	6,564	169	1,174
ND.....	2	96	6	5				
OH.....	15	2,331	127	122	3	2,717	27	281
OK.....	48	7,880	573	307	2	665		
OR.....	12	4,878	31	79	3	405	3	11
PA.....	33	17,371	134	889	4	493	4	11
RI.....			21	1	1	20	1	1
SC.....	6	2,970	60	205	1	832		
SD.....	22	912	31	41	1	10		
TN.....	15	1,033	57	266				
TX.....	27	8,578	37	154	2	646	17	172
UT.....	1	500	1	10	2	810	2	46
VT.....			16	15				
VA.....	7	9,812	238	1,913	3	1,788	43	213
WA.....	7	2,363	29	135			3	27
WV.....	2	2,058	2	302	1	215	2	17
WI.....	34	3,402	33	228	3	976	23	98
US.....	955	442,920	6,837	43,734	78	35,872	710	4,509

<sup>1</sup> Year beginning July 1, 1986.<sup>2</sup> Not reported.<sup>3</sup> Less than 1,000 birds.

Animal and Plant Health Inspection Service.

**Table 508.—Chickens: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1974–88**

Year	Production			Com- mercial storage at begin- ning of year	Exports and ship- ments to ter- ritories	Com- mercial storage at end of year	Consumption	
	Com- mercial broilers	Other chickens	Total <sup>1</sup>				Total <sup>1</sup>	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	8,126	789	8,915	147	235	175	8,652	40.4
1975.....	8,127	696	8,823	175	273	115	8,610	39.8
1976.....	9,067	684	9,752	115	451	155	9,261	42.4
1977.....	9,418	700	10,118	155	481	139	9,652	43.9
1978.....	10,129	665	10,793	139	505	102	10,325	46.4
1979.....	11,219	731	11,950	102	597	142	11,312	50.3
1980.....	11,353	756	12,109	142	781	136	11,334	49.7
1981.....	11,985	757	12,742	136	920	149	11,810	51.3
1982.....	12,167	744	12,912	149	675	135	12,251	52.7
1983.....	12,400	717	13,117	135	591	113	12,548	53.4
1984.....	13,016	672	13,688	113	580	139	13,083	55.2
1985.....	13,762	636	14,397	139	582	171	13,784	57.6
1986.....	14,316	627	14,943	171	734	187	14,192	58.7
1987.....	15,594	639	16,233	187	920	213	15,287	62.7
1988 <sup>2</sup> .....	16,180	638	16,818	213	949	192	15,889	64.6

<sup>1</sup> Totals may not add due to rounding.    <sup>2</sup> Preliminary.  
Economic Research Service.

**Table 509.—Chickens: Broiler production and value, United States, 1974–88<sup>1</sup>**

Year	Production		Price per pound <sup>2</sup>	Value of produc- tion <sup>3</sup>	Year	Production		Price per pound <sup>2</sup>	Value of produc- tion <sup>3</sup>
	Number	Weight				Number	Weight		
	<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1974 <sup>4</sup> .....	2,992,820	11,320,396	21.5	2,436,224	1982.....	4,148,970	16,759,860	26.9	4,502,214
1975.....	2,950,099	11,096,015	26.3	2,915,017	1983.....	4,183,660	17,037,998	28.6	4,872,707
1976.....	3,273,556	12,481,136	23.6	2,945,058	1984.....	4,282,391	17,862,944	33.7	6,017,504
1977.....	3,393,897	12,961,942	23.6	3,059,497	1985.....	4,478,749	18,850,790	30.1	5,680,188
1978.....	3,613,647	13,999,702	26.3	3,675,628	1986.....	4,646,312	19,651,075	34.5	6,780,124
1979.....	3,951,291	15,521,728	26.0	4,031,945	1987.....	5,002,934	21,520,242	28.7	6,175,721
1980.....	3,963,211	15,538,573	27.7	4,302,818	1988 <sup>5</sup> .....	5,235,605	22,455,150	33.1	7,432,451
1981.....	4,147,521	16,519,568	28.4	4,699,379					

<sup>1</sup> Broilers are young chickens of the heavy breeds and other meat-type birds, to be marketed at 2–5 pounds live weight, and from which no pullets are kept for egg production. These figures are not included in farm production of chickens.

<sup>2</sup> Live weight equivalent price.

<sup>3</sup> Includes value of consumption in households of producers, which is less than 1 percent of total production.

<sup>4</sup> Commercial broilers reported on a Dec. 1 through Nov. 30 marketing year.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 510.—Chickens: Broiler production and gross income, by States, 1987 and 1988 <sup>1</sup>

State	1987				1988 <sup>4</sup>			
	Production		Price per pound <sup>2</sup>	Value of production <sup>3</sup>	Production		Price per pound <sup>2</sup>	Value of production <sup>3</sup>
	Number	Weight			Number	Weight		
	Thousands	1,000 pounds	Cents	1,000 dollars	Thousands	1,000 pounds	Cents	1,000 dollars
AL.....	666,538	2,732,806	27.0	737,858	702,784	2,881,414	32.5	936,460
AR.....	878,574	3,690,011	30.0	1,107,003	896,832	3,677,011	34.0	1,250,184
CA.....	196,120	921,764	37.0	241,053	212,199	997,335	34.0	339,094
DE.....	209,818	1,049,090	30.5	319,972	217,455	1,087,275	36.5	396,855
FL.....	116,980	479,618	26.5	127,099	123,198	505,112	31.0	156,585
GA.....	733,417	3,153,693	26.5	835,729	772,825	3,400,430	31.5	1,071,135
HI.....	2,311	9,475	52.0	4,927	2,261	9,496	52.0	4,938
IA.....	2,600	23,400	27.0	6,318	3,000	27,000	32.0	8,640
KY.....	2,894	12,155	27.0	3,282	2,704	11,086	32.0	3,548
MD.....	264,196	1,162,462	30.5	354,551	252,400	1,085,320	36.5	396,142
MI.....	675	2,903	29.0	842	750	3,225	35.0	1,129
MN.....	31,700	145,820	26.0	37,913	33,100	155,570	32.0	49,782
MS.....	343,395	1,407,920	29.5	415,336	360,971	1,479,981	34.0	503,194
MO.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	54,500	239,800	33.0	79,134
NE.....	1,074	5,907	31.0	1,831	1,129	6,210	38.0	2,360
NY.....	2,100	9,450	30.0	2,835	2,500	11,250	34.0	3,825
NC.....	477,700	2,197,420	26.5	582,316	500,100	2,300,460	31.0	713,143
OH.....	11,000	47,300	23.0	10,879	12,000	51,600	28.5	14,706
OK.....	90,600	362,400	29.0	105,096	120,900	471,510	33.0	155,598
OR.....	17,000	79,900	28.0	22,372	17,300	83,040	33.0	27,403
PA.....	115,635	485,667	29.0	140,843	126,900	532,980	33.0	175,883
SC.....	68,051	272,204	26.5	72,134	70,832	283,328	31.5	89,248
TN.....	92,500	388,500	25.5	99,068	87,000	365,400	31.0	113,274
TX.....	259,000	1,087,800	31.0	337,218	266,300	1,118,460	35.0	391,461
VA.....	154,036	708,566	23.5	201,941	175,748	790,866	33.5	264,940
WA.....	26,200	120,520	29.0	34,951	28,200	129,720	31.5	40,862
WV.....	32,770	121,249	25.5	30,918	35,166	130,114	33.5	43,588
WI.....	13,200	55,440	30.5	16,909	13,100	56,330	32.0	18,026
Other States.....	192,850	786,803	28.5	224,526	143,451	563,827	32.2	181,315
Total.....	5,002,934	21,520,242	28.7	6,175,721	5,235,605	22,455,150	33.1	7,432,451

<sup>1</sup> Commercial broiler production including other meat-type breeds; excludes States producing less than 500,000 birds. Estimates of commercial broilers are for a Dec. 1 through Nov. 30 marketing year. <sup>2</sup> Live-weight equivalent price. <sup>3</sup> Value income including home consumption. <sup>4</sup> Preliminary. <sup>5</sup> Not published separately in 1987. National Agricultural Statistics Service.

Table 511.—Chicks hatched by commercial hatcheries: Number, average price, and value, United States, 1974-88

Year	Chicks hatched			Average price of baby chicks per 100	Value of chick production <sup>1</sup>
	Broiler-type	Egg-type	All		
	Thousands	Thousands	Thousands	Dollars	1,000 dollars
1974.....	3,104,430	473,403	3,557,833	14.10	473,759
1975.....	3,169,071	453,804	3,622,875	14.60	493,198
1976.....	3,488,326	492,180	3,980,506	15.40	568,957
1977.....	3,636,672	501,913	4,138,585	15.80	612,591
1978.....	3,879,339	491,578	4,370,917	16.30	667,723
1979.....	4,197,758	518,953	4,716,711	16.80	749,572
1980.....	4,280,338	484,622	4,764,960	17.10	777,664
1981.....	4,416,641	454,175	4,870,816	18.10	843,926
1982.....	4,445,583	444,420	4,890,003	18.20	854,091
1983.....	4,446,999	406,935	4,853,934	18.30	851,142
1984.....	4,593,930	458,530	5,052,460	19.20	930,487
1985.....	4,802,156	406,837	5,208,993	18.80	939,116
1986.....	5,013,303	423,721	5,437,024	18.70	975,780
1987.....	5,379,228	427,785	5,807,013	19.80	1,105,993
1988.....	5,601,039	368,349	5,969,388	18.10	1,046,460

<sup>1</sup> Excludes egg-type cockerels destroyed. National Agricultural Statistics Service.

**Table 512.—Chicks hatched by commercial hatcheries: Number and average price, by regions, 1987 and 1988**

Region <sup>1</sup>	Broiler-type chicks				Egg-type chicks			
	Hatched		Average price per 100		Hatched		Average price per 100	
	1987	1988	1987	1988	1987	1988	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast.....	667,507	676,228	16.70	17.50	64,419	59,456	44.40	43.70
Lake States.....	47,873	50,976	45.30	58.30	41,583	39,216	44.00	48.00
Corn Belt.....	94,687	99,509	38.80	36.20	116,056	111,054	52.10	50.60
Appalachian.....	736,935	770,162	17.70	16.40	19,975	16,198	38.70	40.00
Southeast.....	1,786,588	1,883,341	15.70	11.90	73,455	59,174	64.50	68.10
Delta States.....	1,423,653	1,462,886	15.50	15.70	30,643	18,510	38.20	36.70
Southern Plains....	358,309	373,688	31.40	30.40	9,770	7,725	42.00	41.00
Pacific.....	259,257	279,942	33.80	26.70	53,658	42,424	56.40	55.60
US <sup>2</sup> .....	5,379,228	5,601,039	18.60	17.00	427,785	368,349	51.10	50.50

<sup>1</sup> Northeast—New England, Delaware, Maryland, New Jersey, New York, Pennsylvania; Lake States—Michigan, Minnesota, Wisconsin; Corn Belt—Illinois, Indiana, Iowa, Missouri, Ohio; Appalachian—Kentucky, North Carolina, Tennessee, Virginia, West Virginia; Southeast—Alabama, Florida, Georgia, South Carolina; Delta States—Arkansas, Mississippi, Louisiana; Southern Plains—Oklahoma, Texas; Pacific—California, Oregon, Washington.

<sup>2</sup> Includes other regions not published separately.

National Agricultural Statistics Services.

**Table 513.—Poultry: Feed-price ratios, and poultry ration cost, United States, 1974-88**

Year	Ratios <sup>1 2</sup>			Year	Ratios <sup>1 2</sup>		
	Egg-feed	Broiler-feed	Turkey-feed		Egg-feed	Broiler-feed	Turkey-feed
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>		<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1974.....	7.0	2.6	3.3	1982.....	6.2	2.6	3.3
1975.....	7.0	3.2	4.0	1983.....	6.0	2.6	3.0
1976.....	7.8	2.8	3.7	1984.....	6.9	2.9	3.9
1977.....	7.3	2.7	3.8	1985.....	6.2	3.0	4.5
1978.....	6.9	3.1	4.6	1986.....	7.0	3.7	4.1
1979.....	7.0	2.8	4.2	1987.....	6.5	3.2	3.2
1980.....	6.1	2.7	3.6	1988.....	5.3	3.1	3.0
1981.....	6.0	2.5	3.1				

<sup>1</sup> Number of pounds of poultry feed equivalent in value at local market prices to 1 dozen eggs, or 1 pound of chicken or turkey live weight. Simple average of monthly ratios.

<sup>2</sup> Ratio computed on a December through November marketing year rather than a calendar year.

National Agricultural Statistics Service.

**Table 514.—Poultry: Slaughtered under Federal inspection, United States, by classes, 1986-88**

Class	Number inspected			Pounds inspected (live weight)		
	1986	1987	1988	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	4,642,784	4,971,470	5,158,710	19,675,636	21,339,550	22,207,755
Mature chickens.....	190,881	197,925	192,330	859,494	890,163	876,833
Total chickens.....	4,833,665	5,169,395	5,351,040	20,535,130	22,229,713	23,084,588
Young turkeys.....	191,429	224,590	232,505	3,879,405	4,609,521	4,876,206
Old turkeys.....	1,222	1,642	1,725	27,371	37,573	40,587
Fryer-roaster turkeys.....	4,222	4,903	3,223	40,264	46,639	30,952
Total turkeys.....	196,873	231,075	237,453	3,947,050	4,693,733	4,947,745
Ducks.....	22,882	23,216	24,008	149,335	150,552	158,331
Other poultry.....				4,871	5,826	7,688
Total poultry.....				24,636,386	27,079,824	28,198,352

  

Class	Pounds certified (ready-to-cook)			Pounds condemned		
	1986	1987	1988	Ante-mortem (live weight)		
				1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	14,265,627	15,502,464	16,124,400	61,331	71,958	77,468
Mature chickens.....	530,668	552,048	540,230	9,751	10,584	11,537
Total chickens.....	14,796,295	16,054,512	16,664,630	71,082	82,542	89,005
Young turkeys.....	3,080,588	3,651,843	3,868,498	12,519	15,964	16,990
Old turkeys.....	21,181	23,806	30,950	237	357	457
Fryer-roaster turkeys.....	31,309	36,435	24,004	109	81	100
Total turkeys.....	3,133,078	3,717,084	3,923,452	12,865	16,402	17,547
Ducks.....	104,620	106,495	112,434	247	304	370
Other poultry.....	2,371	3,455	4,628	10	10	20
Total poultry.....	18,036,864	19,881,546	20,705,144	84,204	99,258	106,942

  

Class	Pounds condemned—Continued		
	Post-mortem (New York dressed weight)		
	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	321,427	349,317	369,646
Mature chickens.....	30,922	34,169	36,691
Total chickens.....	352,340	383,486	406,337
Young turkeys.....	67,555	86,281	92,337
Old turkeys.....	1,097	1,918	2,104
Fryer-roaster turkeys.....	462	566	419
Total turkeys.....	69,114	88,765	94,860
Ducks.....	2,037	1,873	1,981
Other poultry.....	50	78	118
Total poultry.....	423,564	474,202	503,296

National Agricultural Statistics Service.

**Table 515.—Poultry: Inspected for further processing and cut up under Federal inspection, United States, 1974-88**

Year	Young chickens		Mature chickens		Turkeys			Other poultry <sup>1</sup>		Total poultry	
	Further processed	Cut up	Further processed	Cut up	Further processed		Cut up	Further processed <sup>3</sup>	Cut up	Further processed	Cut up
					Whole <sup>2</sup>	Other					
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1974.....	495,659	2,465,624	423,278	6,885	386,953	509,397	295,444	89,722	706	1,905,009	2,768,659
1975.....	540,640	2,582,072	356,247	9,926	371,623	536,224	312,764	87,500	483	1,892,234	2,905,245
1976.....	643,443	3,113,600	435,859	8,202	446,215	607,724	387,067	117,270	684	2,250,511	3,509,553
1977.....	715,839	3,521,522	417,921	10,495	459,294	665,452	426,125	129,547	2,115	2,388,053	3,960,257
1978.....	830,229	3,717,089	453,299	10,898	500,892	710,438	466,067	127,358	2,339	2,622,216	4,196,393
1979.....	989,120	3,988,043	472,933	4,260	537,739	799,653	525,905	138,212	1,174	2,937,657	4,519,382
1980.....	1,219,325	4,882,312	518,036	5,123	671,124	952,774	655,797	204,658	2,281	3,566,517	5,545,513
1981.....	1,352,259	5,237,755	503,546	15,183	705,498	984,606	701,287	275,850	2,239	3,821,759	5,956,444
1982.....	1,510,095	5,791,426	496,935	23,107	747,421	1,003,939	733,976	324,967	2,569	4,083,357	6,551,078
1983.....	1,846,364	6,439,971	550,316	26,495	708,678	1,144,446	809,195	360,564	15,168	4,610,368	7,290,829
1984.....	2,192,917	6,761,109	549,366	5,950	648,992	1,248,625	942,065	372,948	12,646	5,012,848	7,721,770
1985.....	2,377,537	7,247,536	529,378	29,223	683,423	1,289,960	837,278	359,534	11,241	5,239,832	8,125,278
1986.....	2,969,684	8,101,601	579,053	26,712	844,307	1,498,543	1,084,686	337,045	20,120	6,228,632	9,233,119
1987.....	3,420,568	8,697,617	660,505	9,815	1,068,465	1,658,599	1,360,857	384,759	25,042	7,192,896	10,093,331
1988 <sup>4</sup> .....											

<sup>1</sup> Poultry parts and fat used in further processing that cannot be identified by class are included in "Other poultry."

<sup>2</sup> Whole carcass turkeys which have been injected, basted, marinated, smoked, or barbecued, and packaged as such. Beginning 1974, "Whole" and "Other" estimated separately.

<sup>3</sup> Includes whole carcass turkeys.

<sup>4</sup> Data collection discontinued during 1988 by FSIS.

National Agricultural Statistics Service.

**Table 516.—Poultry and poultry products: Cold-storage holdings, first of month, United States, 1987-88**

Month	Shell eggs		Frozen eggs		Turkeys		Total poultry	
	1987	1988	1987	1988	1987	1988	1987	1988
	1,000 cases	1,000 cases	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	20	67	14,296	18,293	198,100	281,844	388,836	508,971
February.....	25	53	13,481	18,321	211,376	321,515	408,931	548,956
March.....	32	33	14,459	14,104	225,981	339,006	426,836	580,392
April.....	28	14	14,892	17,333	250,822	370,732	457,077	614,763
May.....	38	21	17,371	20,306	298,114	410,121	512,932	630,605
June.....	32	30	16,917	25,333	381,589	456,791	593,064	667,772
July.....	34	28	17,315	22,861	472,739	496,152	675,831	711,913
August.....	32	25	17,485	24,520	560,017	551,886	745,318	735,294
September.....	33	23	16,467	22,225	618,749	572,818	819,695	761,328
October.....	51	24	17,928	20,015	612,905	583,306	824,477	781,214
November.....	40	26	17,359	17,934	291,874	303,530	500,826	509,700
December.....	43	9	17,274	19,639	266,211	249,749	485,266	451,267

National Agricultural Statistics Service.



**Table 517.—Chickens and turkeys: Number classified as “U.S. Pullorum-Typhoid Clean,” and number and percentage of reactors, United States, 1974–87**

Year beginning July	Chicken tests				Turkey tests			
	States reporting	Chickens in tested flocks (first test)	Reactors <sup>1</sup>		States reporting	Turkeys in tested flocks (first test)	Reactors	
	Number	Thousands	Number	Percent	Number	Number	Number	Percent
1974.....	47	25,133	165	0.0029	47	2,888,688	0	0.0000
1975.....	47	26,699	38	.0008	47	2,891,148	0	.0000
1976.....	47	28,846	90	.0019	47	2,693,782	0	.0000
1977.....	47	30,313	12	.0002	47	2,496,872	0	.0000
1978.....	47	33,506	1	.0000	47	2,984,142	0	.0000
1979.....	47	36,112	41	.0011	47	3,256,844	0	.0000
1980.....	47	35,767	97	.0032	47	3,172,056	0	.0000
1981.....	47	36,024	14	.0004	47	3,135,338	0	.0000
1982.....	47	36,565	344	.0127	47	2,846,709	0	.0000
1983.....	47	36,128	0	.0000	47	2,592,421	0	.0000
1984.....	47	33,811	1	.0000	47	2,974,904	0	.0000
1985.....	47	36,484	9	.0000	47	2,972,518	0	.0000
1986.....	47	37,324	187	.0005	47	3,917,589	0	.0000
1987.....	47	43,788	36	.0001	47	4,505,067	0	.0000

<sup>1</sup> Number of reacting birds and percent of birds tested. Animal and Plant Health Inspection Service.

**Table 518.—Turkey breeder hens: Number, value per head, and total value, Dec. 1, 1973–87 <sup>1</sup>**

Year	Number	Value per head	Total value	Year	Number	Value per head	Total value	Year	Number	Value per head	Total value
	<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	3,148	9.47	32,378	1978.....	3,370	12.53	42,222	1983.....	3,155	17.59	55,500
1974.....	2,970	9.81	29,126	1979.....	3,705	13.57	50,288	1984 <sup>2</sup> .....	3,159	16.54	52,244
1975.....	3,014	10.81	32,580	1980.....	3,749	14.11	52,887	1985.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1976.....	3,069	11.13	34,168	1981.....	3,514	15.35	53,962	1986.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1977.....	3,098	11.39	34,614	1982.....	3,429	14.60	50,053	1987.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Major producing States. <sup>2</sup> Estimates of Turkey Breeder Hens are terminated with 1984 data. National Agricultural Statistics Service.

**Table 519.—Turkeys: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1974–88**

Year	Production	Commercial storage at beginning of year	Exports and shipments to territories	Commercial storage at end of year	Consumption	
					Total <sup>1</sup>	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1974.....	1,921	281	43	275	1,884	8.8
1975.....	1,803	275	53	195	1,830	8.5
1976.....	2,059	195	71	203	1,979	9.1
1977.....	2,023	203	56	168	2,003	9.1
1978.....	2,098	168	57	175	2,034	9.1
1979.....	2,344	175	57	240	2,223	9.9
1980.....	2,432	240	81	198	2,392	10.5
1981.....	2,577	198	68	238	2,468	10.7
1982.....	2,522	238	56	204	2,501	10.8
1983.....	2,649	204	54	162	2,637	11.2
1984.....	2,685	162	34	125	2,688	11.3
1985.....	2,942	125	34	150	2,884	12.3
1986.....	3,271	150	31	178	3,212	13.3
1987.....	3,828	178	37	282	3,686	15.1
1988 <sup>2</sup> .....	3,968	282	56	250	3,945	16.0

<sup>1</sup> Totals may not add due to rounding.<sup>2</sup> Preliminary.

Economic Research Service.

**Table 520.—Turkeys: Production, and value, United States, 1974–88**

Year	Number raised <sup>1</sup>	Pounds (live weight) produced	Price per pound live weight	Value of production
1974.....	131,909	2,437,121	28.0	683,164
1975.....	124,165	2,276,504	34.8	793,271
1976.....	140,021	2,606,265	31.7	825,095
1977.....	136,390	2,562,825	35.5	910,396
1978.....	138,939	2,654,788	43.6	1,157,200
1979.....	156,457	2,957,612	41.1	1,214,357
1980.....	165,243	3,076,858	41.3	1,271,637
1981.....	170,375	3,264,463	38.2	1,247,803
1982.....	165,464	3,175,060	39.5	1,254,700
1983.....	170,723	3,335,519	38.0	1,269,051
1984.....	171,296	3,385,248	48.9	1,655,256
1985.....	185,352	3,702,894	49.1	1,818,626
1986.....	207,216	4,141,697	47.0	1,948,438
1987.....	240,389	4,893,707	34.8	1,702,784
1988 <sup>2</sup> .....	242,023	5,069,466	38.6	1,954,750

See footnotes on page 365.

Table 521.—Turkeys: Production and value, by States, 1988

State	Number raised <sup>1</sup>	Pounds produced <sup>2</sup>	Price per pound <sup>3</sup>	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AR.....	18,000	370,800	32.0	118,656
CA.....	26,500	572,400	35.0	200,340
CT.....	30	600	98.0	588
GA.....	2,400	70,800	42.0	29,736
IL.....	1,700	34,850	45.0	15,683
IN.....	12,900	255,420	41.0	104,722
IA.....	7,800	187,200	40.0	74,880
KS.....	227	5,221	35.0	1,827
MD and DE *.....	135	2,835	60.0	1,701
MA.....	150	3,000	102.0	3,060
MI.....	3,000	84,000	38.0	31,920
MN.....	38,500	704,550	38.0	267,729
MO.....	16,500	334,950	40.0	133,980
NE.....	1,772	30,833	38.0	11,716
NH.....	26	520	106.0	551
NJ.....	100	2,430	102.0	2,479
NY.....	343	6,380	37.0	2,361
NC.....	47,900	938,840	36.0	337,982
ND.....	1,200	27,120	40.0	10,848
OH.....	3,600	98,600	36.0	33,696
OR.....	1,650	29,700	43.0	12,771
PA.....	7,900	158,000	44.0	69,520
SC.....	5,570	164,315	37.0	60,797
SD.....	2,370	66,597	37.0	24,641
UT.....	3,900	90,090	54.0	48,649
VA.....	16,300	306,440	38.0	116,447
WV.....	2,300	43,240	38.0	16,431
Other States <sup>4</sup> .....	19,250	484,735	45.6	221,039
US <sup>5</sup> .....	242,023	5,069,466	38.6	1,954,750

<sup>1</sup> Based on turkeys placed Sept. 1, 1987 through Aug. 31, 1988. Excludes young turkeys lost.

<sup>2</sup> Includes home consumption.

<sup>3</sup> Liveweight equivalent price.

<sup>4</sup> CO, OK, TX, and WI combined to avoid disclosing individual operations.

<sup>5</sup> May not add due to rounding.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 520

<sup>1</sup> Total poults hatched less death loss of poults and young turkeys during the year.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 522.—Turkeys: Poult placed by commercial hatcheries, by breeds, United States, 1974-88**

Year	Total all heavy breeds <sup>1</sup>	Light breeds <sup>2</sup>	Total all breeds
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974 <sup>3</sup>	125,559	14,420	140,019
1975 <sup>3</sup>	121,158	15,918	137,076
1976 <sup>3</sup>	130,980	18,494	149,474
1977 <sup>3</sup>	136,029	12,354	148,383
1978 <sup>3</sup>	148,838	8,689	157,527
1979 <sup>3</sup>	166,014	13,955	179,969
1980 <sup>3</sup>	171,842	16,824	188,666
1981 <sup>3</sup>	176,939	10,395	187,334
1982 <sup>3</sup>	176,769	7,472	184,241
1983	176,253	5,869	182,122
1984	(*)	(*)	184,238
1985	(*)	(*)	198,683
1986	(*)	(*)	225,380
1987	(*)	(*)	264,228
1988	(*)	(*)	261,406

<sup>1</sup> Birds for which the normal mature marketing live weight is 12 pounds or over.<sup>2</sup> Birds for which the normal mature marketing live weight is less than 12 pounds.<sup>3</sup> Poults hatched prior to 1983. Poults placed beginning in 1983 which excludes exported poults.<sup>4</sup> Heavy breeds and light breeds not published.

National Agricultural Statistics Service.

**Table 523.—Turkeys: Poults placed by commercial hatcheries, U.S. and regions, 1987 and 1988**

Month	United States			1988				
	1987	1988	1988 as percent of 1987	East North Central	West North Central	North and South Atlantic	South Central	West
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
All breeds:								
Jan	21,646	22,315	103	2,323	6,537	7,501	2,503	3,451
Feb	21,265	23,100	109	2,596	7,250	7,177	2,706	3,371
Mar	25,401	25,101	99	3,000	8,358	7,530	2,585	3,628
Apr	26,703	24,718	93	2,720	8,179	7,570	2,617	3,632
May	26,623	25,559	96	2,907	8,349	8,067	2,577	3,659
June	27,265	26,075	96	3,220	8,531	7,719	2,620	3,985
July	25,999	23,677	91	2,795	6,781	7,984	2,148	3,969
Aug	19,889	19,458	98	2,262	5,314	7,016	1,666	3,200
Sept	15,024	15,725	105	1,900	4,408	5,557	1,304	2,556
Oct	16,743	16,821	100	2,343	4,508	6,079	1,404	2,487
Nov	17,714	18,413	104	2,345	4,798	6,190	2,186	2,894
Dec	19,956	20,444	102	2,779	5,105	7,265	2,228	3,067
Total	264,228	261,406	99	31,190	78,118	85,655	26,544	39,899

National Agricultural Statistics Service.

Table 524.—Eggs: Number of hens and pullets, rate of lay, and production, by States, 1987 and 1988 <sup>1</sup>

State	1987			1988		
	Hens and pullets, average number during year	Rate of lay per layer during year <sup>2</sup>	Eggs produced	Hens and pullets, average number during year	Rate of lay per layer during year <sup>2</sup>	Eggs produced
	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>
AL.....	11,018	236	2,605	11,002	236	2,596
AK.....	31	213	6.6	4	175	7
AZ.....	389	252	98	324	265	86
AR.....	16,084	241	3,874	15,778	240	3,784
CA.....	33,376	240	8,023	31,467	245	7,718
CO.....	2,719	236	641	3,056	257	784
CT.....	4,901	245	1,200	4,373	256	1,121
DE.....	688	209	144	677	216	146
FL.....	10,376	247	2,568	11,121	248	2,758
GA.....	18,407	243	4,476	17,822	241	4,294
HI.....	975	229	223.3	1,016	221	2,244
ID.....	969	246	238	921	236	217
IL.....	2,819	252	709	3,114	250	780
IN.....	22,178	259	5,750	21,435	263	5,644
IA.....	6,175	248	1,534	7,759	255	1,979
KS.....	1,886	258	486	1,529	259	396
KY.....	1,919	243	466	1,845	248	457
LA.....	1,472	219	323	1,401	222	311
ME.....	4,809	276	1,327	4,880	266	1,300
MD.....	3,742	247	926	3,554	262	932
MA.....	1,056	259	273	973	269	262
MI.....	6,628	250	1,656	6,079	255	1,553
MN.....	9,175	247	2,263	9,005	250	2,250
MS.....	5,272	239	1,259	5,170	242	1,251
MO.....	6,280	243	1,525	6,145	248	1,526
MT.....	789	260	205	773	251	194
NE.....	3,570	243	869	3,672	246	902
NV.....	12	183	2.2	13	169	2.2
NH.....	284	268	76	202	252	51
NJ.....	1,796	264	475	1,794	271	486
NM.....	1,207	250	302	1,141	252	287
NY.....	4,367	255	1,115	3,878	261	1,013
NC.....	13,886	234	3,251	14,281	238	3,396
ND.....	246	236	58	246	240	59
OH.....	16,662	261	4,351	17,129	261	4,477
OK.....	3,463	232	805	3,424	235	803
OR.....	2,488	256	698	2,351	262	617
PA.....	18,266	266	4,853	19,758	268	5,302
RI.....	213	258	55	201	259	52
SC.....	6,305	254	1,604	5,500	260	1,432
SD.....	1,501	239	358	1,414	246	348
TN.....	2,684	250	670	2,120	251	532
TX.....	14,347	239	3,424	13,901	242	3,363
UT.....	1,919	258	496	1,946	253	493
VT.....	224	268	60	205	263	54
VA.....	3,774	248	937	3,659	249	911
WA.....	5,016	260	1,303	5,008	265	1,327
WV.....	587	218	128	568	222	126
WI.....	3,597	244	877	3,417	255	873
WY.....	23	187	4.3	19	189	3.6
US <sup>3</sup> .....	280,564	248	69,531	277,050	251	69,476

<sup>1</sup> Annual estimates cover the period Dec. 1, previous year through Nov. 30.<sup>2</sup> Total egg production divided by average number of layers on hand.<sup>3</sup> Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

Table 525.—Eggs: Production in specified countries, 1986-88

Continent and country	1986	1987	1988 <sup>1</sup>	Continent and country	1986	1987	1988 <sup>1</sup>
	<i>Mil- lions</i>	<i>Mil- lions</i>	<i>Mil- lions</i>		<i>Mil- lions</i>	<i>Mil- lions</i>	<i>Mil- lions</i>
<b>North America:</b>				<b>East Europe:</b>			
Canada.....	5,898	5,706	5,721	Bulgaria.....	2,820	2,846	2,850
Mexico.....	18,563	16,685	15,040	Czechoslovakia.....	5,558	5,554	5,596
United States.....	68,460	69,628	69,253	Germany, Dem. Rep.....	5,634	5,680	5,680
<b>Total.....</b>	<b>92,921</b>	<b>92,019</b>	<b>90,014</b>	Hungary.....	4,290	4,237	4,695
				Poland.....	8,303	7,966	8,103
<b>South America:</b>				Romania.....	7,900	8,000	7,650
Argentina.....	3,200	3,300	3,300	Yugoslavia.....	4,770	4,922	4,972
Brazil.....	13,000	15,400	14,850	<b>Total.....</b>	<b>39,275</b>	<b>39,195</b>	<b>39,546</b>
Venezuela.....	2,691	2,585	2,700				
<b>Total.....</b>	<b>18,891</b>	<b>21,285</b>	<b>20,850</b>	<b>Middle East:</b>			
				Iraq.....	1,636	1,350	1,900
<b>EC-12:</b>				Israel.....	1,760	1,674	1,902
Belgium and Luxembourg.....	2,935	2,908	2,830	Saudi Arabia.....	2,490	2,071	2,765
Denmark.....	1,398	1,316	1,366	Turkey.....	5,900	6,100	6,100
France.....	14,970	14,540	15,300	<b>Total.....</b>	<b>11,786</b>	<b>11,195</b>	<b>12,667</b>
Germany, Fed. Rep. of.....	12,765	12,315	12,280				
Greece.....	2,496	2,480	2,485	<b>Africa:</b>			
Ireland.....	640	640	640	Algeria.....	2,200	2,875	3,200
Italy.....	10,300	10,743	11,234	Egypt.....	2,200	2,100	1,800
Netherlands.....	10,930	10,930	10,840	South Africa.....	3,235	3,369	3,723
Portugal.....	1,428	1,587	1,633	<b>Total.....</b>	<b>7,635</b>	<b>8,344</b>	<b>8,723</b>
Spain.....	10,877	10,500	10,856				
United Kingdom.....	13,150	13,300	13,500	<b>Asia:</b>			
<b>Total.....</b>	<b>81,889</b>	<b>81,259</b>	<b>82,964</b>	Hong Kong.....	41	44	40
				Japan.....	37,080	39,567	40,137
<b>Other West Europe:</b>				Korea, Rep. of.....	6,011	6,574	7,204
Austria.....	1,832	1,818	1,757	Taiwan.....	4,070	4,298	4,400
Finland.....	1,426	1,370	1,304	<b>Total.....</b>	<b>47,202</b>	<b>50,483</b>	<b>51,781</b>
Switzerland.....	753	690	708				
<b>Total.....</b>	<b>4,011</b>	<b>3,878</b>	<b>3,769</b>	<b>Soviet Union.....</b>	<b>79,892</b>	<b>81,917</b>	<b>84,069</b>
				<b>Oceania:</b>			
				Australia <sup>2</sup> .....	3,215	3,210	3,238
				<b>Total selected countries..</b>	<b>386,717</b>	<b>392,785</b>	<b>397,621</b>

<sup>1</sup> Preliminary.<sup>2</sup> Year ending June 30.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 526.—Eggs: Production, disposition, cash receipts, and gross income, United States, 1974-88<sup>1</sup>

Year	Hens and pullets, average number during year	Rate of lay per layer during year <sup>2</sup>	Eggs			Price per dozen	Cash receipts (sales)	Value of eggs consumed on production units	Value of production <sup>3</sup>
			Total produced	Consumed on production units	Sold				
	<i>Thous- ands</i>	<i>Number</i>	<i>Millions</i>	<i>Millions</i>	<i>Millions</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974 <sup>3</sup> .....	284,732	230	65,620	580	65,040	53.2	2,884,478	25,044	2,909,522
1975.....	278,101	232	64,626	586	64,090	52.4	2,796,785	22,490	2,819,275
1976.....	274,135	235	64,511	514	63,997	58.3	3,109,304	24,060	3,133,364
1977.....	274,875	235	64,602	495	64,117	55.6	2,973,176	21,781	2,994,957
1978.....	281,544	239	67,157	468	66,689	52.2	2,901,020	19,768	2,920,788
1979 <sup>4</sup> .....	288,623	240	59,209	454	68,755	58.3	3,338,438	21,434	3,359,872
1980.....	287,705	242	69,686	451	69,235	56.3	3,247,120	20,443	3,267,563
1981.....	287,774	243	69,825	441	69,384	63.1	3,648,406	22,737	3,671,143
1982.....	286,369	243	69,718	427	69,291	59.5	3,437,901	20,972	3,458,873
1983.....	276,263	247	68,169	415	67,754	61.1	3,448,613	20,755	3,469,368
1984.....	278,022	245	68,230	390	67,840	72.3	4,087,773	23,147	4,110,920
1985.....	276,680	247	68,407			57.1			3,252,519
1986.....	276,255	248	68,398			61.6			3,510,273
1987.....	280,564	248	69,531			54.9			3,178,185
1988 <sup>5</sup> .....	277,050	251	69,476			52.8			3,058,998

See footnotes on page 369.

Table 527.—Eggs: Production and value, by States, 1988 (preliminary) <sup>1</sup>

State	Eggs produced	Price per dozen	Value of production	State	Eggs produced	Price per dozen	Value of production
	<i>Mil- lions</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Mil- lions</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	2,596	66.3	143,429	NE.....	902	41.5	31,194
AK.....	.....	143.0	83	NV.....	2.2	38.8	71
AZ.....	86	43.0	3,082	NH.....	51	89.0	3,783
AR.....	3,784	72.1	227,355	NJ.....	486	59.0	23,895
CA.....	7,718	46.3	297,786	NM.....	287	54.0	12,915
CO.....	784	55.0	35,933	NY.....	1,013	47.0	39,676
CT.....	1,121	88.0	82,207	NC.....	3,396	67.3	190,459
DE.....	146	106.0	12,897	ND.....	59	35.0	1,721
FL.....	2,758	41.1	94,461	OH.....	4,477	37.2	138,787
GA.....	4,294	64.4	230,445	OK.....	803	79.4	53,132
HI.....	224.4	73.8	13,801	OR.....	617	52.0	26,737
ID.....	217	47.1	8,517	PA.....	5,302	42.0	185,570
IL.....	780	57.0	37,050	RI.....	52	83.0	3,597
IN.....	5,644	43.4	204,125	SC.....	1,432	52.1	62,173
IA.....	1,979	37.7	62,174	SD.....	348	31.0	8,990
KS.....	396	32.3	10,659	TN.....	532	46.0	20,393
KY.....	457	47.7	18,166	TX.....	3,363	64.9	181,882
LA.....	311	87.1	22,573	UT.....	493	52.0	21,363
ME.....	1,300	83.0	89,917	VT.....	54	94.0	4,230
MD.....	932	56.0	43,493	VA.....	911	65.6	49,801
MA.....	262	93.0	20,305	WA.....	1,327	50.1	55,402
MI.....	1,553	36.5	47,237	WV.....	126	94.8	9,954
MN.....	2,250	38.0	71,250	WI.....	873	38.4	27,936
MS.....	1,251	71.0	74,018	WY.....	3.6	66.5	199
MO.....	1,526	36.5	46,416	US <sup>2</sup> .....	69,476	52.8	3,058,998
MT.....	194	48.0	7,760				

<sup>1</sup> Estimates cover the 12-month period Dec. 1, previous year through Nov. 30.

<sup>2</sup> Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 526

<sup>1</sup> Annual production, disposition, cash receipts, and gross income estimates for eggs reported on Dec. 1 through Nov. 30 marketing year.

<sup>2</sup> Number of eggs produced during the year divided by the average of hens and pullets of laying age on hand during the year.

<sup>3</sup> Value of sales plus value of eggs consumed in households of producers.

<sup>4</sup> Included are layers and eggs destroyed because of possible PCB contamination.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 528.—Eggs: Supply, distribution, and per capita consumption, United States, 1974-88 <sup>1</sup>**

Year	Total egg production	Storage at beginning of the year <sup>1</sup>	Imports <sup>2</sup>	Exports and shipments to territories <sup>2</sup>	Eggs used for hatching	Consumption		
						Storage at end of the year <sup>2</sup>	Total	Per capita
	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Number</i>
1974.....	5,461	34	13	57	366	42	5,042	283
1975.....	5,382	42	5	62	372	28	4,967	276
1976.....	5,377	28	3	65	419	21	4,903	270
1977.....	5,408	21	14	91	427	24	4,901	267
1978.....	5,608	24	11	120	466	20	5,037	272
1979.....	5,777	20	9	104	498	19	5,186	277
1980.....	5,806	19	5	167	499	19	5,146	271
1981.....	5,825	19	5	257	507	17	5,068	264
1982.....	5,802	17	2	185	506	20	5,111	264
1983.....	5,659	20	23	112	500	9	5,081	260
1984.....	5,708	9	32	86	530	11	5,123	259
1985.....	5,688	11	13	101	548	11	5,052	253
1986.....	5,704	11	14	130	567	10	5,023	250
1987.....	5,802	10	6	136	599	14	5,068	249
1988 <sup>3</sup> .....	5,771	14	5	168	605	15	5,003	244

<sup>1</sup> Calendar years.<sup>2</sup> Shell eggs and the approximate shell-egg equivalent of egg product.<sup>3</sup> Preliminary.

Economic Research Service.

**Table 529.—Eggs, shell: Average price per dozen on consumer Grade A cartoned white eggs to volume buyers, store-door delivery, New York metropolitan area, 1974-88**

Year	Large	Year	Large	Year	Large
	<i>Cents</i>		<i>Cents</i>		<i>Cents</i>
1974.....	64.49	1979.....	68.15	1984.....	80.87
1975.....	63.93	1980.....	66.86	1985.....	64.97
1976.....	70.33	1981.....	73.21	1986.....	71.38
1977.....	63.27	1982.....	70.10	1987.....	61.60
1978.....	61.68	1983.....	75.16	1988.....	62.10

Agricultural Marketing Service.



**Table 530.—Eggs: Products under Federal inspection, United States, fiscal years 1987 and 1988**

Item	Quantity		Item	Quantity		
	1987	1988		1987	1988	
Shell eggs broken.....	1,000 dozen 922,709	1,000 dozen 977,945	Liquid product produced for immediate consumption and processing: <sup>3</sup>	1,000 pounds	1,000 pounds	
Edible liquid from shell eggs broken:				Whole plain.....	253,988	301,533
Whole.....	549,590	607,406		Whole blends.....	105,861	107,670
White.....	382,556	389,995		White.....	245,732	248,467
Yolk.....	216,751	220,583		Yolk plain.....	52,255	52,978
Total.....	1,148,897	1,217,984		Yolk blends.....	78,749	86,144
Inedible liquid from shell eggs broken.....	81,754	89,766		Total.....	736,585	796,792
Liquid egg used in processing: <sup>1</sup>				Frozen product produced: <sup>3</sup>		
Whole.....	696,137	781,244		Whole plain.....	137,737	140,745
White.....	552,625	555,858		Whole blends.....	84,401	104,620
Yolk.....	260,088	270,128	White.....	51,942	48,937	
Total.....	1,508,850	1,607,230	Yolk plain.....	5,892	6,056	
Ingredients added in processing <sup>2</sup> ..	44,369	46,878	Yolk blends.....	69,653	71,649	
			Total.....	349,625	371,467	
			Dried product produced: <sup>3</sup>			
			Whole plain.....	17,790	19,079	
			Whole blends.....	28,443	33,193	
			White.....	30,300	30,177	
			Yolk plain.....	16,135	15,323	
			Yolk blends.....	8,400	9,121	
			Total.....	101,068	106,893	

<sup>1</sup> Includes all frozen eggs used for processing, excludes ingredients added.

<sup>2</sup> Includes all non-egg ingredients added.

<sup>3</sup> Includes ingredients added.

National Agricultural Statistics Service.

## CHAPTER IX

# FARM RESOURCES, INCOME, AND EXPENSES

The statistics in this chapter deal with farms, farm resources, farm income, and expenses. Many of the series are estimates developed in connection with economic research activities of the Department.

For convenience the tables have been arranged in general groups. These groups, with the beginning table indicated, are as follows:

- Economic trends, table 531.
- Farm property, table 532.
- Population and employment, table 548.
- Farm production and distribution, table 554.
- Price and income, table 570.
- Costs and expenses, table 582.

**Table 531.—Economic trends: Data relating to agriculture, United States, 1974–88**

Year	Prices paid by farmers		Prices received by farmers	Farm income			
	Total including interest, taxes, and wage rates	Production items		Gross farm income <sup>1</sup>	Production expenses	Net income	
						Current dollars	1982 dollars
	<i>Index numbers 1977=100</i>	<i>Index numbers 1977=100</i>	<i>Index numbers 1977=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1974.....	81	83	105	98.2	71.0	27.3	50.5
1975.....	89	91	101	100.6	75.0	25.5	43.1
1976.....	95	97	102	102.9	82.7	20.2	32.0
1977.....	100	100	100	108.8	88.9	19.9	29.5
1978.....	108	108	115	128.4	103.2	25.2	34.9
1979.....	123	125	132	150.7	123.3	27.4	34.9
1980.....	138	138	134	149.3	133.1	16.2	18.8
1981.....	150	148	139	166.4	139.4	27.0	28.7
1982.....	159	153	133	163.5	140.0	23.5	23.5
1983.....	161	152	135	152.9	140.4	12.5	12.0
1984.....	164	155	142	175.0	142.7	32.3	29.9
1985.....	163	151	128	166.3	134.0	32.3	29.1
1986.....	159	147	123	160.3	123.4	37.9	33.4
1987.....	161	147	126	171.5	124.5	47.0	40.0
1988 <sup>2</sup> .....	170	157	138	177.8	132.0	45.8	37.7

See footnotes at end of table.

**Table 531.—Economic trends: Data relating to agriculture, United States 1974–88—  
Continued**

Year	National income <sup>2</sup>	Disposable personal income <sup>2</sup>	Industrial production <sup>3</sup>	Consumer prices all items <sup>4</sup>	Producer prices consumer foods <sup>4</sup>
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Index numbers 1977=100</i>	<i>Index numbers 1982-84=100</i>	<i>Index numbers 1982=100</i>
1974	1,203.5	1,038.4	93.0	( <sup>5</sup> )	( <sup>5</sup> )
1975	1,289.1	1,142.8	84.8	( <sup>5</sup> )	( <sup>5</sup> )
1976	1,441.4	1,252.6	92.6	( <sup>5</sup> )	( <sup>5</sup> )
1977	1,617.8	1,329.3	100.0	( <sup>5</sup> )	( <sup>5</sup> )
1978	1,838.2	1,551.2	106.5	( <sup>5</sup> )	( <sup>5</sup> )
1979	2,047.3	1,729.3	110.7	( <sup>5</sup> )	( <sup>5</sup> )
1980	2,203.5	1,917.9	108.6	82.4	92.4
1981	2,443.5	2,127.6	111.0	90.9	97.8
1982	2,518.4	2,261.4	103.1	96.5	100.0
1983	2,719.5	2,428.1	109.2	99.6	101.0
1984	3,028.6	2,668.6	121.4	103.9	105.4
1985	3,234.0	2,838.7	123.7	107.6	104.6
1986	3,437.1	3,019.6	125.1	109.6	107.3
1987	3,678.7	3,209.7	129.8	113.6	109.5
1988 <sup>6</sup>					

<sup>1</sup> Includes cash receipts from marketings, government payments, nonmoney income (gross rental value and home consumption), other income (machine hire custom work and recreational income), and value of change in farm inventories. <sup>2</sup> U.S. Department of Commerce. <sup>3</sup> Federal Reserve Board. <sup>4</sup> U.S. Department of Labor. <sup>5</sup> Data prior to 1980 available from U.S. Department of Labor. <sup>6</sup> Preliminary.

Economic Research and National Agricultural Statistics Service.

**Table 532.—Farms: Number, land in farms, and average size of farm, U.S., 1976–89**

Year	Farms <sup>1</sup>	Land in farms	Average size of farm
	<i>Number</i>	<i>1,000 acres</i>	<i>Acres</i>
1976	2,497,270	1,054,075	422
1977	2,455,830	1,047,785	427
1978	2,436,250	1,044,790	429
1979	2,437,300	1,042,015	428
1980	2,439,510	1,038,885	426
1981	2,439,920	1,034,190	424
1982	2,406,550	1,027,795	427
1983	2,378,620	1,023,425	430
1984	2,333,810	1,017,803	436
1985	2,292,530	1,012,073	441
1986	2,249,820	1,005,333	447
1987	2,212,960	998,923	451
1988	2,197,140	994,543	453
1989 <sup>2</sup>	2,172,920	991,473	456

<sup>1</sup> A farm is an establishment that as of June 1 sold or would normally have sold \$1,000 or more of agricultural products during the year.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 533.—Percent of farms, land in farms, and average size, by economic class, United States, June 1, 1988–89**

Economic class gross value of sales	Percent of total				Average size of farms	
	Farms		Land		1988	1989
	1988	1989	1988	1989		
	Percent	Percent	Percent	Percent	Acres	Acres
\$1,000–\$2,499	23.5	22.7	3.4	3.1	65	62
\$2,500–\$4,999	14.1	13.9	3.1	3.2	100	105
\$5,000–\$9,999	11.6	11.8	4.8	4.5	187	174
\$10,000–\$19,999	11.2	10.7	7.1	6.0	287	256
\$20,000–\$39,999	11.3	12.2	12.3	11.7	493	438
\$40,000–\$99,999	14.2	14.5	20.8	23.1	663	727
\$100,000–\$249,999	9.9	9.5	25.5	24.4	1,166	1,172
\$250,000	4.2	4.7	23.0	24.0	2,479	2,330
Total	100.0	100.0	100.0	100.0	453	456

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 534.—Farms: Number and land in farms, by States, 1988 and 1989

State	Farms <sup>1</sup>		Land in farms	
	1988	1989 <sup>2</sup>	1988	1989 <sup>2</sup>
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL.....	48,000	47,000	10,600	10,600
AK.....	620	600	1,030	1,010
AZ.....	8,100	8,100	36,500	36,000
AR.....	49,000	49,000	15,800	15,700
CA.....	84,000	84,000	31,600	31,300
CO.....	27,300	27,000	33,700	33,500
CT.....	4,000	4,000	440	440
DE.....	3,000	3,000	590	590
FL.....	41,000	41,000	11,500	11,200
GA.....	49,000	48,000	13,000	12,600
HI.....	4,650	4,650	1,720	1,720
ID.....	22,500	22,300	13,700	13,700
IL.....	88,000	86,000	28,600	28,500
IN.....	74,000	71,000	16,400	16,400
IA.....	107,000	105,000	33,500	33,500
KS.....	69,000	69,000	47,900	47,900
KY.....	97,000	96,000	14,300	14,200
LA.....	33,000	35,000	9,100	9,300
ME.....	7,300	7,300	1,450	1,450
MD.....	16,000	15,600	2,350	2,300
MA.....	6,900	6,900	680	680
MI.....	56,000	55,000	10,900	10,800
MN.....	92,000	90,000	30,000	30,000
MS.....	42,000	41,000	13,500	13,300
MO.....	110,000	108,000	30,500	30,400
MT.....	24,600	24,700	60,700	60,600
NE.....	58,000	57,000	47,100	47,100
NV.....	2,600	2,500	8,900	8,900
NH.....	3,200	3,200	510	510
NJ.....	8,300	8,300	880	880
NM.....	14,000	14,000	44,500	44,500
NY.....	41,000	39,000	8,600	8,400
NC.....	68,000	65,000	10,300	10,000
ND.....	33,500	33,500	40,600	40,500
OH.....	85,000	87,000	15,600	15,800
OK.....	70,000	69,000	33,000	33,000
OR.....	36,500	37,000	17,800	17,800
PA.....	55,000	54,000	8,300	8,200
RI.....	770	770	73	73
SC.....	26,000	25,500	5,300	5,300
SD.....	35,000	35,000	44,300	44,300
TN.....	91,000	91,000	12,600	12,600
TX.....	187,000	186,000	132,000	132,000
UT.....	13,300	13,000	11,300	11,300
VT.....	7,100	7,100	1,520	1,520
VA.....	48,000	47,000	9,100	9,000
WA.....	38,000	38,000	16,000	16,000
WV.....	21,000	21,000	3,700	3,700
WI.....	82,000	81,000	17,700	17,600
WY.....	8,900	8,900	34,800	34,800
US.....	2,197,140	2,172,920	994,543	991,473

<sup>1</sup> A farm is an establishment that as of June 1 sold or would normally have sold \$1,000 or more of agricultural products during the year.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

#### FOOTNOTES FOR TABLE 537

<sup>1</sup> Cropland harvested, crop failure, and cultivated summer fallow.

<sup>2</sup> Grassland and other nonforest pasture and range.

<sup>3</sup> Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land.

<sup>4</sup> Includes urban and transportation areas. Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads and farm roads and lanes.

<sup>5</sup> Remeasurement and increases in reservoirs account for changes in total land areas except for the major increase in 1959 when data for Alaska and Hawaii were added.

<sup>6</sup> These estimates are not yet available.

Economic Research Service. Estimates based on reports and records of the U.S. Departments of Agriculture and Commerce, and public land administering and conservation agencies.

Table 535.—Farms: Classification by tenure of operator, United States, 1880-1987

Year	Farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1880	4,008,907				25.6
1890	4,564,641				28.4
1900	5,739,657	55.8	7.9	1.0	35.3
1910	6,361,502	52.7	9.3	.9	37.0
1920	6,453,991	52.2	8.7	1.1	38.1
1925	6,371,640	52.0	8.7	.6	38.6
1930 <sup>1</sup>	6,295,103	46.3	10.4	.9	42.4
1935	6,212,350	47.1	10.1	.7	42.1
1940 <sup>1</sup>	6,102,417	50.6	10.1	.6	38.8
1945	5,859,169	56.4	11.3	.7	31.7
1950 <sup>1</sup>	5,388,437	57.4	15.3	.4	26.9
1954	4,782,416	57.2	17.9	.4	24.4
1959 <sup>1</sup>	3,710,503	57.1	21.9	.6	20.5
1964 <sup>1</sup>	3,157,857	57.6	24.8	.6	17.1
1969 <sup>1</sup>	2,730,250	62.5	24.6		12.9
1974 <sup>1</sup>	2,314,013	61.5	27.2		11.3
1978 <sup>1</sup>	2,257,775	57.5	30.2		12.3
1982 <sup>1</sup>	2,239,300	59.2	29.3		11.6
1987 <sup>1</sup>	2,087,759	59.3	29.2		11.5

<sup>1</sup> Includes Alaska and Hawaii.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

Table 536.—Land in farms: Classification by tenure of operator, United States, 1880-1987

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Acres</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1880	536,081,835				
1890	623,218,619				
1900	841,201,546	51.3	14.9	10.7	23.2
1910	878,798,325	52.9	15.2	6.1	25.8
1920	958,676,612	48.3	18.4	5.7	27.7
1925	924,319,352	45.4	21.3	4.7	28.7
1930 <sup>1</sup>	990,111,984	37.6	24.9	6.4	31.0
1935	1,054,515,111	37.1	25.2	5.8	31.9
1940 <sup>1</sup>	1,065,113,774	35.9	28.2	6.5	29.4
1945	1,141,615,364	36.1	32.5	9.3	22.0
1950 <sup>1</sup>	1,161,419,720	36.1	36.4	9.2	18.3
1954	1,158,191,511	34.2	40.6	8.6	16.6
1959 <sup>1</sup>	1,123,507,574	31.0	44.0	9.8	14.8
1964 <sup>1</sup>	1,110,187,000	28.7	48.0	10.2	13.1
1969 <sup>1</sup>	1,062,892,501	35.3	51.8		13.0
1974 <sup>1</sup>	1,017,030,357	35.3	52.6		12.0
1978 <sup>1</sup>	1,014,777,234	32.7	55.3		12.0
1982 <sup>1</sup>	986,796,579	34.7	53.8		11.5
1987 <sup>1</sup>	964,470,625	32.9	53.9		13.2

<sup>1</sup> Includes Alaska and Hawaii.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

Table 537.—Land utilization, United States, selected years, 1930-87

Major land uses	1930	1940	1950	1959	1969	1978	1982	1987
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>
Cropland used for crops <sup>1</sup> .....	382	368	377	359	333	369	383	331
Idle cropland.....	31	31	32	33	51	26	21	( <sup>6</sup> )
Cropland used only for pasture.....	67	68	69	66	88	76	65	( <sup>6</sup> )
Grassland pasture <sup>2</sup> .....	652	650	631	633	604	587	597	( <sup>6</sup> )
Forest land <sup>3</sup> .....	601	608	601	728	723	703	655	( <sup>6</sup> )
Special uses <sup>4</sup> .....				147	174	503	544	( <sup>6</sup> )
Other land.....	171	179	194	305	291			
Total land area <sup>5</sup> .....	1,904	1,904	1,904	2,271	2,264	2,264	2,265	2,265

See footnotes on page 374.

Table 538.—Land utilization, by States, 1982

State	Cropland			Grassland pasture <sup>2</sup>	Forest land <sup>3</sup>	Special use areas <sup>4</sup>	Other land	Total land area
	Used for crops <sup>1</sup>	Idle	Used only for pasture					
	1,000 acres	1,000 acres	1,000 acres					
AL	3,806	362	1,474	1,865	21,179	1,449	2,356	32,491
AK	26	21	6	1,281	87,045	141,534	135,420	365,333
AZ	1,174	230	129	41,565	17,846	9,063	2,638	72,645
AR	7,975	476	2,055	2,948	17,324	1,298	1,254	33,330
CA	9,579	642	1,345	22,580	37,043	13,827	15,015	100,031
CO	9,377	493	1,000	28,198	19,809	4,643	2,781	66,801
CT	181	11	43	48	1,745	157	983	3,118
DE	538	9	12	12	394	92	180	1,237
DC							40	40
FL	2,752	345	1,072	6,229	16,325	4,021	3,914	34,558
GA	5,372	462	1,290	1,850	23,768	1,869	2,545	37,156
HI	156	155	34	1,131	1,067	926	643	4,112
ID	5,624	216	763	20,407	17,880	5,167	2,687	52,744
IL	23,615	560	1,070	1,778	3,551	1,947	3,097	35,613
IN	12,779	381	798	1,352	3,878	1,082	2,726	22,996
IA	25,208	826	2,500	2,065	1,227	1,699	2,293	35,818
KS	28,352	1,318	3,232	13,907	1,359	1,745	2,425	52,338
KY	5,354	711	3,453	1,669	11,948	970	1,283	25,388
LA	5,115	420	916	2,073	13,998	1,322	4,650	28,494
ME	475	67	87	94	17,565	408	1,141	19,837
MD	1,579	71	197	222	2,420	520	1,287	6,296
MA	214	16	52	48	2,811	525	1,342	5,008
MI	7,642	606	566	1,881	18,078	1,989	5,689	36,451
MN	21,772	1,205	1,206	1,689	15,643	4,253	5,143	50,911
MS	6,143	437	1,441	2,369	16,505	850	2,484	30,229
MO	14,024	827	5,587	6,540	12,348	1,737	3,062	44,125
MT	15,247	469	1,123	48,395	18,936	5,966	2,912	93,048
NE	20,816	966	2,397	21,232	796	1,533	1,312	49,052
NV	614	58	190	45,909	7,272	7,515	8,774	70,332
NH	127	8	31	46	4,839	226	479	5,756
NJ	628	33	64	26	1,940	578	1,510	4,779
NM	1,690	229	450	51,217	16,805	5,279	1,984	77,654
NY	4,649	360	891	904	15,939	3,827	3,751	30,321
NC	5,154	476	806	1,010	18,604	1,937	3,273	31,260
ND	26,900	1,021	1,575	11,028	515	1,817	1,496	44,352
OH	10,845	419	982	1,430	6,837	1,245	4,485	26,243
OK	10,935	650	3,860	18,396	6,810	1,410	1,878	43,939
OR	4,324	175	858	22,011	29,477	2,707	2,006	61,558
PA	4,619	309	862	949	16,294	2,469	3,226	28,728
RI	29	3	5	3	391	71	173	675
SC	2,713	201	484	443	12,084	1,164	2,241	19,330
SD	17,657	426	2,309	23,529	1,610	1,597	1,481	48,609
TN	5,052	453	2,608	1,370	12,965	2,195	1,696	26,339
TX	25,963	3,129	10,029	103,890	14,000	4,673	5,927	167,691
UT	1,409	116	470	23,238	15,443	4,901	6,950	52,527
VT	561	18	205	260	4,432	248	211	5,935
VA	2,978	252	1,523	1,717	15,872	1,327	1,741	25,410
WA	7,559	309	612	7,705	18,557	5,356	2,469	42,567
WV	786	87	676	557	11,509	665	1,156	15,436
WI	10,404	411	1,229	2,009	14,877	2,172	3,731	34,833
WY	2,264	53	461	45,594	5,640	5,768	2,293	62,073
US	382,755	21,498	65,028	596,664	655,280	269,739	274,183	2,265,147

<sup>1</sup> Cropland harvested, crop failure, and cultivated summer fallow.

<sup>2</sup> Grassland and other nonforest pasture and range.

<sup>3</sup> Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land.

<sup>4</sup> Includes rural transportation areas, Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads, and farm roads and lanes.

Economic Research Service. Estimates based on reports and records of the U.S. Departments of Agriculture and Commerce, and public land administering and conservation agencies. Estimates developed for years coinciding with a Census of Agriculture.

Table 539.—Land in farms: <sup>1</sup> Irrigated land, by States, 1954-87

State	1954	1959	1964	1969	1974	1978 <sup>2</sup>	1982	1987
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL.....	17	17	12	11	14	59	66	84
AK.....			( <sup>3</sup> )	1	1	1		2
AZ.....	1,177	1,152	1,125	1,178	1,153	1,196	1,098	914
AR.....	858	712	974	1,010	949	1,683	2,022	2,406
CA.....	7,048	7,396	7,599	7,240	7,749	8,506	8,461	7,596
CO.....	2,263	2,685	2,690	2,895	2,874	3,431	3,201	3,014
CT.....	12	5	14	9	7	7	4	7
DE.....	6	16	18	20	20	34	44	61
FL.....	428	414	1,217	1,365	1,559	1,980	1,585	1,623
GA.....	24	34	64	79	112	463	575	640
HI.....	( <sup>3</sup> )	141	144	146	142	159	146	149
ID.....	2,325	2,577	2,802	2,761	2,859	3,475	3,450	3,219
IL.....	7	10	14	51	54	130	166	208
IN.....	12	17	17	34	33	75	132	170
IA.....	2	18	22	21	39	101	91	92
KS.....	332	762	1,004	1,522	2,010	2,686	2,675	2,463
KY.....	13	9	14	20	11	14	23	38
LA.....	708	485	581	702	702	681	694	647
ME.....	1	2	4	6	6	7	6	6
MD.....	8	11	16	22	23	28	39	51
MA.....	23	20	24	19	19	17	17	20
MI.....	23	40	49	77	97	226	286	315
MN.....	9	15	18	36	78	272	315	354
MS.....	132	100	123	150	162	309	431	637
MO.....	33	30	59	156	150	320	403	535
MT.....	1,891	1,875	1,893	1,841	1,759	2,070	2,023	1,997
NE.....	1,171	2,078	2,169	2,857	3,967	5,683	6,039	5,682
NV.....	567	543	825	753	778	881	830	779
NH.....	1	1	3	2	2	1	1	3
NJ.....	59	74	96	72	89	77	83	91
NM.....	650	732	813	823	867	891	807	718
NY.....	59	58	79	55	55	56	52	51
NC.....	25	66	97	59	51	90	81	138
ND.....	38	48	51	63	71	141	163	168
OH.....	15	12	17	22	22	25	28	32
OK.....	108	198	302	524	515	602	492	478
OR.....	1,490	1,384	1,608	1,519	1,561	1,881	1,808	1,648
PA.....	18	17	23	19	18	15	18	30
RI.....	1	( <sup>3</sup> )	1	2	2	3	2	4
SC.....	22	25	19	15	10	32	81	81
SD.....	90	116	130	148	152	335	376	362
TN.....	23	11	11	12	10	13	18	38
TX.....	4,707	5,656	6,385	6,888	6,594	6,947	5,576	4,271
UT.....	1,073	1,062	1,082	1,025	970	1,169	1,082	1,161
VT.....	1	2	2	( <sup>3</sup> )	1	1	1	2
VA.....	22	31	51	37	28	42	43	79
WA.....	778	1,007	1,150	1,224	1,309	1,639	1,638	1,519
WV.....	1	1	2	3	2	1	1	3
WI.....	18	32	62	106	128	235	259	285
WY.....	1,263	1,470	1,571	1,523	1,460	1,662	1,565	1,518
US.....	29,552	33,164	37,057	39,122	41,243	50,350	49,002	46,386
PR.....	( <sup>4</sup> )	76	89	91	70	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
VI.....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Total.....	29,552	33,240	37,145	39,213	41,313	50,350	49,002	46,386

<sup>1</sup> Data may not add because of rounding.<sup>2</sup> Data for 1978 not directly comparable with earlier censuses as it includes estimates from the direct enumeration sample for farms not represented on the mail list.<sup>3</sup> Less than 500 acres.<sup>4</sup> Not available.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

**Table 540.—Farm real estate: Value of farmland and buildings, and value of farm buildings, by States, 1985-89 <sup>1</sup>**

State	Total value of land and buildings					Total value of farm buildings				
	Apr. 1, 1985	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989	Apr. 1, 1985	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
AL.....	8,844	8,374	8,039	8,042	8,364	1,682	1,577	1,499	1,484	1,528
AZ.....	9,938	8,576	8,957	7,808	7,730	765	654	676	584	572
AR.....	13,584	11,063	9,767	9,673	9,963	1,821	1,469	1,284	1,259	1,283
CA.....	56,785	51,529	44,557	43,567	46,181	5,940	5,336	4,568	4,422	4,641
CO.....	14,964	12,199	12,370	12,277	12,277	1,622	1,309	1,314	1,291	1,279
CT.....	1,540	1,675	1,735	2,162	2,313	463	498	526	630	668
DE.....	1,067	1,124	1,100	1,118	1,308	188	196	190	191	221
FL.....	19,851	18,660	19,033	20,750	21,995	1,756	1,634	1,650	1,781	1,869
GA.....	11,678	10,929	11,003	11,241	12,253	1,788	1,657	1,651	1,670	1,802
ID.....	10,861	9,147	7,822	8,107	8,512	1,394	1,163	984	1,010	1,050
IL.....	37,712	32,809	19,752	31,850	33,035	2,941	2,533	2,274	2,410	2,624
IN.....	20,648	17,344	15,077	16,114	17,404	2,670	2,221	1,911	2,022	2,162
IA.....	35,750	28,243	25,061	29,803	34,869	3,706	2,898	2,546	2,998	3,472
KS.....	22,368	18,527	16,304	17,637	18,695	2,148	1,762	1,535	1,644	1,725
KY.....	13,137	12,612	11,476	11,403	11,745	2,686	2,553	2,300	2,262	2,307
LA.....	12,686	10,048	7,115	6,724	6,858	1,411	1,107	776	726	733
ME.....	1,801	1,509	1,645	1,854	1,984	444	510	550	614	651
MD.....	5,452	4,718	4,485	4,733	5,206	1,068	915	861	900	980
MA.....	1,613	1,871	2,039	2,403	2,571	597	685	739	863	914
MI.....	11,993	10,580	9,416	9,558	9,841	2,578	2,251	1,983	1,992	2,032
MN.....	25,019	18,271	14,799	16,889	18,071	3,640	2,632	2,110	2,384	2,526
MS.....	11,774	10,521	9,023	8,883	9,149	1,646	1,456	1,236	1,205	1,229
MO.....	20,297	18,613	16,882	17,389	18,432	2,837	2,576	2,313	2,359	2,475
MT.....	13,542	12,438	10,133	9,932	10,131	1,095	995	807	779	787
NE.....	20,957	17,185	15,810	17,244	19,830	1,674	1,359	1,238	1,337	1,522
NV.....	2,015	1,753	1,858	1,698	1,749	236	203	213	193	196
NH.....	766	856	933	1,059	1,133	230	255	275	309	327
NJ.....	3,314	3,521	4,523	5,137	6,010	734	772	982	1,104	1,279
NM.....	7,335	5,961	5,425	5,922	6,337	698	561	506	546	579
NY.....	7,353	7,170	8,009	8,127	8,615	2,266	2,187	2,419	2,430	2,550
NC.....	13,414	12,206	11,840	11,152	11,821	2,717	2,448	2,351	2,192	2,300
ND.....	14,724	12,894	11,419	11,817	12,171	1,442	1,250	1,096	1,123	1,145
OH.....	17,791	16,012	14,702	15,461	16,389	2,724	2,427	2,206	2,297	2,410
OK.....	18,678	15,876	14,130	13,893	15,143	2,096	1,764	1,554	1,513	1,632
OR.....	10,422	9,328	8,581	8,288	8,288	1,774	1,572	1,432	1,369	1,355
PA.....	13,137	12,322	14,663	15,280	18,488	3,473	3,225	3,799	3,920	4,685
RI.....	243	282	308	449	481	55	63	68	99	105
SC.....	4,945	4,709	4,126	4,634	5,051	851	802	696	774	835
SD.....	11,125	9,568	7,905	8,258	9,001	1,174	1,000	818	846	913
TN.....	13,159	12,894	12,747	14,135	14,418	2,878	2,792	2,733	3,000	3,029
TX.....	88,346	72,515	64,153	61,554	58,476	7,561	6,144	5,382	5,112	4,808
UT.....	5,962	5,449	5,132	4,840	4,840	799	723	674	630	623
VT.....	1,627	1,888	2,057	2,125	2,273	492	565	610	623	660
VA.....	10,474	10,997	10,667	10,972	12,399	2,171	2,257	2,168	2,207	2,469
WA.....	14,860	12,996	11,566	11,178	11,625	2,360	2,043	1,800	1,722	1,773
WV.....	1,994	1,988	1,949	1,950	2,048	470	464	450	446	464
WI.....	14,992	12,522	11,019	11,087	11,641	4,120	3,407	2,968	2,957	3,073
WY.....	6,160	5,359	5,252	4,877	4,730	556	479	465	427	411
48 States....	686,194	597,632	546,468	561,048	593,845	90,442	79,352	73,187	74,654	78,683

<sup>1</sup> Total value of land and buildings are derived by multiplying average value per acre of farm real estate by the land in farms.

Economic Research Service.



Table 541.—Livestock: Number and value, United States, Jan. 1, 1987-89

Class of livestock and poultry	Number			Value					
	1987	1988	1989 <sup>1</sup>	Per head <sup>2</sup>			Total		
				1987	1988	1989 <sup>1</sup>	1987	1988	1989 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Cattle.....	102,000	99,524	99,484	407	523	607	41,482,765	52,045,643	60,394,509
Hogs <sup>3</sup> .....	50,920	54,620	55,499	91.90	76.10	66.30	4,679,398	4,158,300	3,679,584
Sheep and lambs.....	10,334	10,784	10,802	75.70	90.00	82.40	782,108	970,484	889,765
Goats <sup>4</sup> .....	1,670	1,650	1,750	46.40	60.10	54.10	77,571	99,165	94,750
Total <sup>5</sup> .....							47,021,842	57,273,592	65,058,608
Chickens <sup>3</sup> .....	369,131	377,727	355,489	1.87	1.87	2.04	706,079	706,131	725,016
Total <sup>6</sup> .....							47,727,921	57,979,723	65,783,624

<sup>1</sup> Preliminary.<sup>2</sup> Based on reporters' estimates of average price per head in their localities.<sup>3</sup> Dec. 1 of preceding year.<sup>4</sup> Texas only.<sup>5</sup> Cattle, hogs, sheep, and goats.<sup>6</sup> Includes all cattle, hogs, sheep, goats, and chickens (excluding broilers and turkey breeder hens in 1987).

National Agricultural Statistics Service.

**Table 542.—Farm real estate: Average value per acre of land and buildings, by State, March 1, 1970, and February 1, 1986-89**

State	Mar. 1, 1970	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989	State	Mar. 1, 1970	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989
	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>		<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>
AL.....	200	761	731	731	760	NV.....	53	199	211	193	199
AZ.....	70	231	242	214	212	NH.....	239	1,646	1,794	2,037	2,180
AR.....	260	705	634	645	664	NJ.....	1,092	3,913	5,321	6,189	7,241
CA.....	479	1,571	1,366	1,341	1,421	NM.....	42	134	122	132	141
CO.....	95	357	364	364	364	NY.....	273	824	931	956	1,041
CT.....	921	3,721	4,056	4,914	5,258	NC.....	333	1,130	1,096	1,062	1,126
DE.....	499	1,757	1,775	1,895	2,217	ND.....	94	317	282	292	301
FL.....	355	1,435	1,464	1,596	1,692	OH.....	399	1,013	942	991	1,051
GA.....	234	822	846	865	943	OK.....	173	481	428	421	459
ID.....	177	644	567	592	621	OR.....	150	521	479	466	466
IL.....	490	1,143	1,040	1,114	1,225	PA.....	373	1,450	1,725	1,820	2,201
IN.....	406	1,058	931	983	1,061	RI.....	734	3,869	4,217	6,240	6,676
IA.....	392	841	748	890	1,041	SC.....	261	872	794	874	953
KS.....	159	387	340	308	390	SD.....	84	215	178	187	204
KY.....	253	870	791	786	810	TN.....	268	992	1,012	1,104	1,126
LA.....	321	1,005	734	708	722	TX.....	148	541	482	466	443
ME.....	161	993	1,082	1,236	1,323	UT.....	92	478	454	428	428
MD.....	640	1,887	1,831	2,014	2,216	VT.....	224	1,180	1,286	1,345	1,439
MA.....	565	2,752	2,999	3,534	3,782	VA.....	286	1,146	1,111	1,143	1,292
MI.....	326	936	833	853	879	WA.....	224	812	723	699	727
MN.....	226	609	493	563	602	WV.....	136	537	527	542	569
MS.....	234	752	654	658	678	WI.....	232	711	626	630	661
MO.....	224	606	552	572	606	WY.....	41	154	151	140	136
MT.....	60	204	167	164	167						
NE.....	154	364	335	366	421	48 States...	196	595	547	564	597

Economic Research Service.

**Table 543.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1973–88**

Item	1973	1974	1975	1976 <sup>1</sup>	1977	1978	1979	1980
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate.....	298.4	335.6	383.6	456.5	509.3	601.8	706.1	782.4
Non-real-estate:								
Livestock <sup>2</sup> .....	42.4	24.5	29.4	29.0	31.9	51.3	61.4	60.6
Machinery and motor vehicles.....	39.5	47.4	56.3	62.4	69.1	75.2	85.8	93.1
Crops stored on and off farms <sup>3</sup> .....	21.4	23.0	21.1	21.2	20.6	25.3	29.2	33.0
Financial assets:								
Demand deposits.....	4.9	4.8	5.0	5.0	5.2	5.3	5.4	5.5
Currency.....	2.2	2.0	2.0	1.9	1.9	1.9	1.9	1.9
Investments in cooperatives.....	9.9	10.2	11.9	13.2	13.3	15.9	18.0	19.2
Total <sup>4</sup> .....	418.7	447.5	509.2	589.2	651.3	776.7	907.7	995.6
<b>CLAIMS</b>								
Liabilities:								
Real-estate debt.....	36.1	40.8	45.3	50.5	58.4	66.7	79.7	89.6
Non-real-estate debt to—								
Reporting institutions <sup>5</sup> .....	24.8	27.7	31.3	35.8	40.4	46.7	55.5	59.8
Nonreporting creditors <sup>6</sup> .....	6.7	7.4	8.4	9.8	12.0	14.0	16.3	17.4
Total liabilities <sup>4</sup> .....	67.6	75.9	85.0	96.1	110.9	127.4	151.5	166.8
Proprietors' equity.....	351.0	371.6	424.2	493.2	540.4	649.3	756.1	829.9
Total <sup>4</sup> .....	418.7	447.5	509.2	589.2	651.3	776.7	907.7	995.6
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate.....	784.7	748.8	733.7	637.7	555.9	507.3	518.5	546.0
Non-real-estate:								
Livestock <sup>2</sup> .....	53.5	53.0	49.7	49.6	46.3	47.6	57.9	65.7
Machinery and motor vehicles.....	101.4	102.0	100.8	96.9	87.6	80.3	73.9	74.7
Crops stored on and off farms <sup>3</sup> .....	29.1	27.9	23.9	29.7	23.6	19.1	20.9	26.2
Financial assets:								
Demand deposits.....	5.6	5.8	6.1	6.2	6.7	7.6	7.2	7.5
Currency.....	1.9	2.0	2.0	2.1	2.3	2.5	2.7	2.9
Investments in cooperatives.....	20.4	21.8	23.2	24.4	24.0	25.1	25.3	25.5
Total <sup>4</sup> .....	996.7	961.0	944.3	846.7	746.4	689.5	706.3	748.5
<b>CLAIMS</b>								
Liabilities:								
Real-estate debt.....	98.7	102.5	104.8	103.6	97.6	88.6	81.1	76.7
Non-real-estate debt to—								
Reporting institutions <sup>5</sup> .....	65.2	67.9	69.3	69.5	62.3	54.4	51.1	49.9
Nonreporting creditors <sup>6</sup> .....	18.4	19.1	18.6	17.6	15.1	12.1	10.9	11.8
Total liabilities <sup>4</sup> .....	182.3	189.5	192.7	190.7	175.1	155.1	143.1	138.4
Proprietors' equity.....	814.4	771.5	751.6	656.0	571.3	534.4	563.2	610.0
Total <sup>4</sup> .....	996.7	961.0	944.3	846.7	746.4	689.5	706.3	748.5

<sup>1</sup> Beginning with 1975, data are for farms included in new farm definition, that is assets and debts on places with sales less than \$1,000 annually are excluded.

<sup>2</sup> Horses and mules are excluded.

<sup>3</sup> Excludes all crops held on farms including crops under loan to Commodity Credit Corporation, and crops held off farms as security for CCC loans.

<sup>4</sup> Total of rounded data.

<sup>5</sup> Loans of all operating banks, the production credit associations, the Farmers Home Administration, and discounts of the Federal intermediate credit banks for agricultural credit corporations and livestock loan companies.

<sup>6</sup> Loans and credits extended by dealers, merchants, finance companies, individuals, and others.

<sup>7</sup> Preliminary.

**Table 544.—Farm assets and claims: Comparative balance sheet of the farming sector, including farm households, United States, Dec. 31, 1973–88**

Item	1973	1974	1975 <sup>1</sup>	1976	1977	1978	1979	1980
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate .....	329.3	369.5	421.0	499.8	556.5	656.0	767.8	850.1
Non-real-estate:								
Livestock <sup>2</sup> .....	42.4	24.5	29.4	29.0	31.9	51.3	61.4	60.6
Machinery and motor vehicles .....	44.2	52.6	62.1	69.3	75.9	83.0	93.2	99.3
Crops stored on and off farms <sup>3</sup> .....	21.4	23.0	21.1	21.2	20.6	25.3	29.2	33.0
Household furnishings and equipment .....	12.3	11.2	11.7	12.1	13.8	16.0	17.2	19.4
Financial assets:								
Deposits and currency .....	14.9	14.0	14.5	14.8	15.2	15.5	15.9	16.2
United States savings bonds .....	4.2	3.8	3.9	3.8	3.9	4.2	4.0	3.8
Investments in cooperatives .....	9.9	10.2	11.9	13.2	13.3	15.9	18.0	19.2
Total <sup>4</sup> .....	478.5	508.8	575.5	663.3	731.0	867.3	1,006.7	1,101.6
<b>CLAIMS</b>								
Liabilities:								
Real estate debt <sup>5</sup> .....	39.8	44.9	49.9	55.4	63.9	72.8	86.8	97.5
Non-real estate debt to—								
Reporting institutions <sup>6</sup> .....	26.2	29.4	33.0	37.8	42.8	49.5	59.1	63.5
Nonreporting creditors <sup>7</sup> .....	6.9	7.5	8.6	10.0	12.2	14.3	16.6	17.7
Total liabilities <sup>4</sup> .....	72.9	81.7	91.5	103.2	118.9	136.6	162.5	178.7
Proprietors' equity .....	405.6	427.1	484.1	560.1	612.1	730.7	844.2	922.9
Total <sup>4</sup> .....	478.5	508.8	575.5	663.3	731.0	867.3	1,006.7	1,101.6
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate .....	851.7	812.2	800.8	691.7	603.5	551.1	562.7	592.2
Non-real-estate:								
Livestock <sup>2</sup> .....	53.5	53.0	49.7	49.6	46.3	47.6	57.9	65.7
Machinery and motor vehicles .....	107.8	107.9	106.2	102.7	92.4	84.4	78.6	79.3
Crops stored on and off farms <sup>3</sup> .....	29.1	27.7	23.9	29.7	23.6	19.1	20.9	26.2
Household furnishings and equipment .....	20.8	23.0	24.4	26.1	27.8	30.5	32.9	38.8
Financial assets:								
Deposits and currency .....	16.7	17.4	18.2	19.8	21.1	24.8	26.4	27.6
United States savings bonds .....	3.6	3.5	3.6	3.7	3.9	4.5	5.0	5.4
Investments in cooperatives .....	20.4	21.8	23.2	24.4	24.0	25.1	25.3	25.5
Total <sup>4</sup> .....	1,103.7	1,066.4	1,050.0	947.7	842.6	787.1	809.8	860.7
<b>CLAIMS</b>								
Liabilities:								
Real estate debt <sup>5</sup> .....	107.2	111.3	113.7	112.3	105.7	95.9	87.7	83.0
Non-real estate debt to—								
Reporting institutions <sup>6</sup> .....	69.4	72.3	73.9	74.0	66.8	58.4	54.9	53.5
Nonreporting creditors <sup>7</sup> .....	18.8	19.5	18.9	18.0	15.4	12.4	11.1	12.0
Total liabilities <sup>4</sup> .....	195.4	203.1	206.5	204.3	187.9	166.6	153.7	148.5
Proprietors' equity .....	908.2	863.3	843.6	743.4	654.7	620.5	656.0	712.2
Total <sup>4</sup> .....	1,103.7	1,066.4	1,050.0	947.7	842.6	787.1	809.8	860.7

<sup>1</sup> Beginning with 1975, data are for farms included in new farm definition, that is, assets and debts on places with sales less than \$1,000 annually are excluded.

<sup>2</sup> Horses and mules are excluded.

<sup>3</sup> Does not include crops under loan to Commodity Credit Corporation.

<sup>4</sup> Total of rounded data.

<sup>5</sup> Includes Commodity Credit Corporation storage and drying facility loans.

<sup>6</sup> Loans of all operating banks, the production credit associations, the Farmers Home Administration, and discounts of the Federal intermediate credit banks for agricultural credit corporations and livestock loan companies.

<sup>7</sup> Loans and credits extended by dealers, merchants, finance companies, individuals, and others.

<sup>8</sup> Preliminary.

Economic Research Service.

**Table 545.—Farm machinery and equipment: Number of specified kinds on farms, and tractor horsepower, United States, Jan. 1, 1974-88**

Year	Tractors (exclusive of steam and garden)			Tractor horsepower	Motor-trucks	Grain combines <sup>1</sup>	Corn heads <sup>2</sup>	Pickup balers <sup>3</sup>	Field forage harvesters <sup>4</sup>
	Total	Wheel	Crawler						
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Millions</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1974.....	4,493	4,329	164	219	3,023	698	618	674	295
1975 <sup>5</sup> ....	4,469	4,311	158	222	3,032	524	615	667	255
1976.....	4,434	4,281	153	228	3,043	527	610	641	263
1977.....	4,402	4,260	142	232	3,044	535	605	615	270
1978 <sup>6</sup> ....	4,804	4,653	151	251	3,386	656	695	747	296
1979 <sup>6</sup> ....	4,776	4,626	150	301	3,358	655	706	744	295
1980.....	4,752	4,604	148	304	3,344	652	701	756	293
1981.....	4,726	4,580	146	306	3,350	650	696	770	291
1982.....	4,697	4,552	145	306	3,389	647	690	785	288
1983.....	4,669	4,524	145	309	3,435	644	684	800	285
1984.....	4,671	4,527	144	311	3,402	644	684	800	285
1985.....	4,676	4,533	143	311	3,380	643	684	800	285
1986.....	4,670	4,528	142	311	3,380	640	683	798	281
1987 <sup>7</sup> ....									
1988 <sup>8</sup> ....									

<sup>1</sup> Data for 1975 and thereafter are for self-propelled combines only.

<sup>2</sup> Includes cornpickers and picker-shellers.

<sup>3</sup> Does not include large balers that produce over 200-pound bales.

<sup>4</sup> Data for 1976 and thereafter do not include flail-type forage harvesters.

<sup>5</sup> Census of Agriculture year.

<sup>6</sup> U.S. totals for 1978 are not directly comparable with totals for 1974 or earlier census years, because they include State-level data from farm operators represented on the Census mailing list, plus estimates from the direct enumeration sample for farms not on the mailing list. As a result, figures for nearly all categories are somewhat higher than they would be using the earlier base. The 1974 U.S. data include only operations represented on the mailing list. Estimates are pegged to Census year data for all noncensus years before 1978.

<sup>7</sup> Census of Agriculture year. Data not yet available.

<sup>8</sup> Data on number of specified kinds of farm machinery and equipment on farms will henceforth only be reported following the Census of Agriculture.

Economic Research Service.

#### FOOTNOTES FOR TABLE 548

<sup>1</sup> Total population includes Armed Forces overseas. April figures for 1974-83; July figures for later years.

<sup>2</sup> April-centered five-quarter averages for 1974-83; annual averages of monthly data for later years.

<sup>3</sup> Farm population is defined as all persons living on rural places of 10 or more acres with at least \$50 worth of agricultural products sold in reporting year, and rural places of under 10 acres if at least \$250 worth of agricultural products were sold. Last year of data was 1983.

<sup>4</sup> Beginning 1978, the farm population is defined as all persons living on rural places with \$1,000 or more of agricultural sales in the reporting year.

Economic Research Service and the U.S. Department of Commerce.

Table 546.—Farm machines, selected types: Units shipped in the United States, 1974-87

Year	Moldboard plows	Subsoilers, deep tillage	Chisel plows or tillers (chisel or sweep type)	Field cultivators	Cultivators <sup>1</sup>	Power sprayers and dusters <sup>2</sup>	Crop dryers (heated air)
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1974	60,543		29,466	25,615	41,450	81,039	34,781
1975	56,659		35,898	30,178	48,404	61,835	30,808
1976	52,711		38,199	31,942	40,299	55,593	29,904
1977	46,325		30,278	26,462	33,999	54,957	41,427
1978	32,111		23,169	18,712	38,355	62,269	39,951
1979	39,507		26,554	24,251	42,555	75,428	32,308
1980	26,759	8,302	20,407	20,154	32,876	63,588	24,301
1981	23,398	4,812	15,550	13,652	25,197	53,717	20,271
1982	8,538	3,010	8,971	8,517	14,622	42,897	27,360
1983	5,724	2,360	5,800	7,173	8,510	37,168	9,123
1984	5,081	2,727	6,066	9,395	9,419	39,671	9,798
1985	3,212	2,208	3,866	5,543	8,168	41,606	14,497
1986	1,902	1,000	2,805	2,817	4,080	41,506	11,043
1987	1,327	1,202	3,701	4,198	6,706	42,150	6,587

  

Year	Side delivery hay	Hay balers	Field forage harvesters	Combines (harvester threshers)	Small grain headers for combines	Corn picking units (combine attachments)	Cotton strippers and pickers <sup>3</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1974	21,010	41,890	25,304	28,644		29,228	2,612
1975	22,591	49,118	22,792	31,259		26,741	1,361
1976	21,896	50,151	22,627	31,712		25,087	1,127
1977	20,328	42,621	18,740	31,943		24,035	1,816
1978	20,602	43,982	16,941	32,020		18,629	1,775
1979	19,126	52,310	17,090	32,357		20,052	1,279
1980	19,707	49,511	15,823	28,502	46,162	14,601	8,108
1981	13,615	39,149	9,563	32,062	48,695	17,107	7,837
1982	10,089	24,432	6,365	22,726	24,656	7,228	5,031
1983	7,266	25,018	5,357	13,673	14,699	4,121	3,028
1984	9,069	24,807	4,653	11,296	14,151	4,388	3,989
1985	8,072	19,989	3,244	7,027	9,978	2,829	4,073
1986	5,339	16,325	1,997	8,288	9,835	4,291	2,986
1987	4,173	17,019	2,186	9,484	9,212	4,485	2,915

  

Year	Peanut combines, diggers, shakers, and windrowers	Potato harvesters <sup>4</sup>	Manure spreaders	Power grinders and crushers	Silo and grain bin unloaders <sup>5</sup>	Milking machines <sup>6</sup>	Mower-conditioners (combination) <sup>7</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1974	2,131	1,183	38,004	7,386	27,822	16,252	37,258
1975	2,647	1,273	29,977	9,080	20,288	10,976	35,539
1976	1,919	1,328	26,239	4,871	21,556	9,303	32,940
1977	1,790	1,005	24,541	6,508	25,899	10,704	27,517
1978	1,974	758	24,118	10,614	29,040	11,507	29,921
1979	1,632	362	24,649	11,077	25,663	14,274	35,089
1980	880	258	24,217	8,035	21,415	80,392	38,171
1981	270	389	16,254	6,662	16,599	90,381	31,059
1982	974	342	11,540	4,206	10,402	66,083	20,051
1983	1,055	302	11,451	3,334	8,699	48,855	15,048
1984	1,145	347	11,466	2,623	8,194	38,113	19,218
1985	1,296	302	9,923	3,416	7,501	60,841	12,397
1986	1,148	109	10,719	2,073	4,719	30,442	10,556
1987	1,031	260	11,794	2,537	7,031	37,517	10,733

<sup>1</sup> Row cultivators, tractor-drawn or mounted; corn and cotton type; rotary cultivators not included.<sup>2</sup> Does not include foggers and mist sprayers.<sup>3</sup> Beginning in 1986, other harvesting machinery including potato diggers, corn harvesting equipment, picker-shellers, and field shelling attachments for corn pickers.<sup>4</sup> Beginning in 1987, beet harvesters are included.<sup>5</sup> Horizontal silo unloaders not included.<sup>6</sup> Includes all mechanical milking machines, vacuum pumping outfits, and complete pipeline milking units.<sup>7</sup> Includes also self-propelled windrowers.

U.S. Department of Commerce.

**Table 547.—Farm machines and equipment: Value of shipments, including exports, by classes, United States, 1974-87**

Year	Total	Plows and listers	Harrows, rollers, pulverizers, and stalk cutters	Planting and fertilizing machinery	Cultivators and weeders	Harvesting machinery	Haying machinery	Machines for preparing crops for market or use
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	5,959,092	182,301	394,993	354,436	162,786	1,093,207	407,652	254,921
1975.....	7,046,354	250,134	476,274	480,273	227,440	1,253,430	481,334	262,379
1976.....	7,525,216	266,660	478,322	516,847	224,013	1,435,307	508,250	253,656
1977.....	7,986,664	239,151	465,974	550,782	212,634	1,599,772	469,715	306,932
1978.....	7,829,004	203,617	462,419	522,416	206,125	1,815,631	339,731	384,916
1979.....	9,791,383	273,496	601,262	652,944	275,519	2,193,516	674,621	340,083
1980.....	9,450,357	245,875	555,377	680,743	275,993	2,207,075	778,199	340,083
1981.....	10,001,549	253,199	520,491	802,378	235,994	2,579,889	711,748	319,425
1982.....	7,768,197	151,887	360,522	673,080	202,153	2,069,585	545,099	282,420
1983.....	6,158,809	129,746	340,951	447,490	132,889	1,478,807	541,899	194,566
1984.....	6,821,686	152,464	369,681	601,094	175,355	1,424,639	611,568	197,790
1985.....	4,982,626	110,984	168,014	453,250	139,985	1,190,831	498,116	193,727
1986.....	4,355,565	75,310	99,238	371,210	81,103	1,230,124	383,434	203,657
1987.....	4,917,364	74,701	106,341	417,779	104,493	1,280,016	397,027	209,373

Year	Tractors for farm use <sup>1</sup>	Farm wagons and other farm transportation equipment	Sprayers and dusters	Farm elevators and blowers	Farm dairy machines and equipment	Farm poultry equipment	Hog equipment	Other barn and barnyard equipment
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	2,321,889	186,204	139,287	91,952	80,309	76,154	45,480	167,521
1975.....	2,867,473	178,577	155,752	100,404	68,037	70,023	37,574	137,250
1976.....	3,044,640	173,130	158,848	87,611	77,087	100,472	59,793	160,580
1977.....	3,211,575	183,934	161,709	114,691	97,347	127,867	54,481	188,150
1978.....	3,203,157	247,779	197,931	157,168	108,920	159,452	95,266	251,587
1979.....	3,314,388	276,557	245,368	173,492	134,301	223,333	120,728	306,942
1980.....	3,108,391	207,105	254,083	140,809	143,732	174,931	63,951	274,220
1981.....	3,414,133	212,087	248,491	117,986	159,961	144,939	41,530	257,298
1982.....	2,474,884	172,989	257,882	112,436	105,430	110,409	41,946	202,249
1983.....	1,720,680	140,300	228,465	72,576	116,133	102,443	50,490	184,566
1984.....	2,045,298	133,386	252,992	69,773	105,430	120,646	44,038	168,912
1985.....	1,154,527	105,480	244,412	66,877	92,308	109,000	35,938	156,768
1986.....	893,432	109,291	212,566	82,049	77,137	93,420	41,964	129,146
1987.....	1,043,372	132,967	224,470	79,044	86,584	116,663	64,983	177,189

<sup>1</sup> Beginning in 1983, only wheeled tractors included.  
U.S. Department of Commerce.

**Table 548.—Population: Total and rural farm, United States, 1974-88**

Year	Total population <sup>1</sup>	Farm population		Year	Total population <sup>1</sup>	Farm population	
		Number <sup>2</sup>	Percentage of total			Number <sup>2</sup>	Percentage of total
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>		<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>
Previous definition: <sup>3</sup>				Current definition: <sup>4</sup>			
1974.....	213,361	9,264	4.3	1978.....	221,991	6,501	2.9
1975.....	215,353	8,864	4.1	1979.....	224,438	6,241	2.8
1976.....	217,528	8,253	3.8	1980.....	227,061	6,051	2.7
1977.....	219,684	7,806	3.6	1981.....	229,542	5,850	2.5
1978.....	221,991	8,005	3.6	1982.....	231,932	5,628	2.4
1979.....	224,438	7,553	3.4	1983.....	234,237	5,787	2.5
1980.....	227,061	7,241	3.2	1984.....	237,001	5,754	2.4
1981.....	229,542	7,014	3.1	1985.....	239,279	5,355	2.2
1982.....	231,932	6,880	3.0	1986.....	241,625	5,226	2.2
1983.....	234,237	7,029	3.0	1987.....	243,934	4,986	2.0
				1988.....	246,329	4,951	2.0

See footnotes on page 383.

**Table 549.—Farm labor: Number of workers on farms and average wage rates, by States and regions <sup>1</sup>**

State and region <sup>2</sup>	Workers on farms		Farm wage rates <sup>4</sup>				
	Unpaid <sup>3</sup>	Hired	Type of worker			Method of pay	
			Field	Livestock	Field and livestock	Hourly	Other
	Thousands	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>Jan. 10-16, 1988</i>							
FL.....	20	92	5.83	4.65	5.79	5.40	( <sup>5</sup> )
So. Plains.....	187	61	4.49	4.69	4.57	4.71	5.60
Mountain III.....	34	17	4.54	4.53	4.54	5.25	4.53
CA.....	53	160	5.35	6.00	5.50	5.28	8.15
HI.....	4	10	7.46	( <sup>5</sup> )	7.40	7.76	10.99
<i>Apr. 10-16, 1988</i>							
Northeast I.....	55	48	5.23	3.97	4.57	4.92	4.75
Northeast II.....	81	42	4.78	4.28	4.58	4.92	5.02
Appalachian I.....	71	44	4.34	5.02	4.52	4.48	5.67
Appalachian II.....	121	29	3.78	4.33	4.06	4.21	4.64
Southeast.....	60	40	3.90	4.31	4.04	4.32	4.13
FL.....	23	66	4.67	5.24	4.71	4.53	6.85
Lake.....	261	93	4.67	3.63	4.21	4.54	4.19
Cornbelt I.....	215	77	5.01	4.67	4.92	5.31	5.53
Cornbelt II.....	220	37	4.29	4.77	4.51	4.55	5.83
Delta.....	75	53	3.77	4.59	3.94	3.87	4.71
N. Plains.....	188	35	4.80	4.37	4.61	4.77	4.51
S. Plains.....	199	80	4.55	4.73	4.60	4.64	4.88
Mountain I.....	52	28	4.18	3.78	4.01	4.54	3.80
Mountain II.....	28	22	4.48	4.57	4.53	4.89	4.73
Mountain III.....	34	20	4.92	4.59	4.79	5.02	4.97
Pacific.....	52	46	5.01	5.42	5.08	5.18	6.65
CA.....	57	166	5.43	6.14	5.55	5.21	8.20
HI.....	4	10	7.40	( <sup>5</sup> )	7.34	7.49	10.60
US (49 States).....	1,796	936	4.76	4.51	4.69	4.78	5.32

<sup>1</sup> Excludes agricultural service workers. <sup>2</sup> Regions consist of the following: Northeast I: CT, ME, MA, NH, NY, RI, VT; Northeast II: DE, MD, NJ, PA; Appalachian I: NC, VA; Appalachian II: KY, TN, WV; Southeast: AL, GA, SC; Lake: MI, MN, WI; Cornbelt I: IL, IN, OH; Cornbelt II: IA, MO; Delta: AR, LA, MS; No. Plains: KS, NE, ND, SD; So. Plains: OK, TX, Mountain I: ID, MT, WY; Mountain II: CO, NV, UT; Mountain III: AZ, NM; Pacific: OR, WA.

<sup>3</sup> Includes farm operators doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during survey week. <sup>4</sup> Includes all persons doing work for pay during survey week. <sup>5</sup> Insufficient data.

National Agricultural Statistics Service.



Table 550.—Farm labor: Number of workers on farms and average wage rates, by States and regions <sup>1</sup>

State and region <sup>2</sup>	Workers on farms		Farm wage rates <sup>4</sup>				
	Unpaid <sup>3</sup>	Hired	Type of worker			Method of pay	
			Field	Livestock	Field and livestock	Hourly	Other
	Thousands	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>July 10-16, 1938</i>							
Northeast I.....	56	60	4.88	4.26	4.60	4.99	4.83
Northeast II.....	87	66	4.70	4.46	4.65	4.83	5.57
Appalachian I.....	77	73	3.95	4.52	4.02	3.99	4.52
Appalachian II.....	141	33	4.07	4.45	4.27	4.40	5.31
Southeast.....	76	73	3.90	4.56	4.08	4.39	4.13
FL.....	24	37	4.82	5.08	4.89	4.83	7.82
Lake.....	283	108	4.38	3.48	4.00	4.29	4.05
Cornbelt I.....	209	64	4.63	4.73	4.67	4.70	5.17
Cornbelt II.....	224	56	4.49	4.59	4.52	4.47	5.75
Delta.....	94	50	3.85	3.68	3.79	4.07	3.82
No. Plains.....	216	76	4.71	4.48	4.66	4.74	4.73
So. Plains.....	222	85	3.95	4.73	4.26	4.15	5.39
Mountain I.....	69	36	3.91	3.83	3.88	4.54	3.92
Mountain II.....	53	32	4.33	5.05	4.75	5.00	4.74
Mountain III.....	36	17	4.18	4.63	4.33	4.48	5.31
Pacific.....	72	108	4.60	5.32	4.68	4.67	5.90
CA.....	75	215	5.45	6.17	5.52	5.30	8.84
HI.....	4	11	7.45	( <sup>5</sup> )	7.41	7.46	9.80
US (49 States).....	2,018	1,200	4.63	4.50	4.60	4.72	5.32
<i>Oct. 9-15, 1938</i>							
Northeast I.....	58	59	5.64	4.18	5.00	5.43	4.58
Northeast II.....	85	55	5.17	4.14	4.94	5.08	4.87
Appalachian I.....	73	45	4.34	4.74	4.43	4.37	5.40
Appalachian II.....	148	42	4.31	4.35	4.32	4.46	4.79
Southeast.....	78	52	3.94	4.63	4.21	4.37	4.55
FL.....	27	56	4.63	4.81	4.67	4.74	7.73
Lake.....	241	80	5.10	3.92	4.55	4.81	4.73
Cornbelt I.....	239	55	4.74	4.82	4.76	4.82	5.21
Cornbelt II.....	205	39	4.33	4.88	4.46	4.54	4.53
Delta.....	105	55	3.85	4.57	3.96	3.97	4.23
No. Plains.....	202	39	4.94	4.82	4.91	5.05	4.94
So. Plains.....	215	53	3.99	4.78	4.38	4.35	5.06
Mountain I.....	56	22	4.46	4.13	4.35	4.51	4.49
Mountain II.....	39	26	4.09	4.25	4.15	5.21	4.43
Mountain III.....	37	18	4.76	4.78	4.77	4.90	5.62
Pacific.....	58	58	5.81	5.63	5.78	5.19	6.53
CA.....	67	212	5.56	6.21	5.66	5.45	7.79
HI.....	4	10	7.35	( <sup>5</sup> )	7.31	7.45	10.40
US (49 States).....	1,937	976	4.95	4.70	4.88	4.94	5.36

See footnotes for table 549 on page 386.

Table 551.—Farm labor: Number of workers on farms, average wage rates, and indexes, United States, 1974-88 <sup>1</sup>

Year	Total workers		Unpaid workers <sup>2</sup>		Hired workers <sup>3</sup>		Hired farm workers <sup>3</sup>	
	Number of workers	Index <sup>4</sup> 1977=100	Number of workers	Index <sup>4</sup> 1977=100	Number of workers	Index <sup>4</sup> 1977=100	Wage rates	Index <sup>4</sup> 1977=100
1974.....	4,388.9	105	3,074.7	107	1,314.2	101	2.25	78
1975.....	4,342.1	104	3,025.5	106	1,316.6	101	2.43	85
1976.....	4,373.9	105	2,997.2	105	1,376.7	105	2.66	93
1977.....	4,169.9	100	2,863.0	100	1,306.9	100	2.87	100
1978 <sup>5</sup>	3,956.6	95	2,688.9	94	1,267.7	97	3.09	108
Jan.....	3,009.5	93	2,245.2	93	764.3	94	3.18	107
Apr.....	3,688.5	89	2,593.4	87	1,095.1	95	3.09	110
July.....	4,967.8	98	3,119.8	98	1,848.0	99	2.94	106
Oct.....	4,080.0	98	2,762.6	97	1,317.4	100	3.19	107
1979.....	3,774.2	91	2,501.2	87	1,273.0	97	3.39	118
Jan.....	2,996.5	93	2,198.7	91	797.8	98	3.38	114
Apr.....	3,480.6	84	2,424.4	82	1,056.2	91	3.40	121
July.....	4,639.3	92	2,831.9	89	1,807.4	97	3.23	117
Oct.....	3,943.5	95	2,525.1	89	1,418.4	108	3.57	119
1980.....	3,705.3	89	2,402.3	84	1,303.0	100	3.66	128
Jan.....	3,021.5	94	2,111.9	88	909.6	111	3.69	125
Apr.....	3,441.4	83	2,255.0	76	1,186.4	103	3.61	128
July.....	4,542.6	90	2,751.2	86	1,791.4	96	3.54	128
Oct.....	3,791.4	91	2,485.4	88	1,306.0	99	3.85	129
1981.....								
Jan.....	2,997.5	93	2,068.9	86	928.6	114	4.12	139
Apr.....	3,662.5	89	2,402.9	81	1,259.6	109	3.92	139
1982.....								
July.....	4,043.4	80	2,494.4	78	1,549.0	83	4.00	144
1983.....								
July.....	3,749.0	74	2,271.0	71	1,478.0	79	4.11	148
1984.....								
July.....	3,750.0	74	2,315.0	73	1,435.0	77	4.16	150
Oct.....	3,059.0	74	2,034.0	72	1,025.0	78	4.56	153
1985.....								
Apr.....	2,821.0	68	1,914.0	64	907.0	78	4.51	160
July.....	3,570.0	71	2,197.0	69	1,373.0	73	4.24	153
Oct.....	2,956.0	71	1,941.0	68	1,015.0	77	4.56	153
1986.....								
Apr.....	2,718.0	66	1,808.0	61	910.0	79	4.71	167
July.....	3,204.0	63	1,971.0	62	1,233.0	66	4.57	165
Oct.....	2,814.0	68	1,839.0	65	975.0	74	4.83	162
1987.....								
Apr.....	2,636.0	64	1,751.0	59	885.0	76	4.90	174
July.....	3,211.0	63	1,941.0	61	1,270.0	68	4.78	173
Oct.....	2,843.0	68	1,846.0	65	997.0	76	4.92	165
1988.....								
Apr.....	2,732.0	66	1,796.0	60	936.0	81	5.00	177
July.....	3,218.0	64	2,018.0	63	1,200.0	64	4.90	177
Oct.....	2,913.0	70	1,937.0	68	976.0	74	5.18	173

<sup>1</sup> For 1974 through 1980, annual averages are the sum of regional and State averages of the quarterly Multiple Frame Labor Surveys which cover the weeks that include the twelfth of January, April, July, and October. The quarterly farm labor surveys were discontinued after April 1981. An annual survey was implemented in 1982 which surveyed establishments in July obtaining data for the week that included the 12th. Beginning in July 1984, three surveys a year were conducted in the 48 contiguous States and Hawaii.

<sup>2</sup> Includes farm operators doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during the survey week without cash wages.

<sup>3</sup> Includes all persons doing farm work for pay during the survey week.

<sup>4</sup> Index is not seasonally adjusted.

<sup>5</sup> Hawaii included in U.S. average beginning 1978.

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**Table 552.—Workers who did only hired farm work: Number of workers, average days worked and earnings received, United States, selected years 1974-87 <sup>1</sup>**

Year	Workers who did 25 days or more of hired farm work			Year	Workers who did 25 days or more of hired farm work		
	Total	Average days worked	Average earnings received during year		Total	Average days worked	Average earnings received during year
	<i>Thousands</i>	<i>Days</i>	<i>Dollars</i>		<i>Thousands</i>	<i>Days</i>	<i>Dollars</i>
1974 .....	1,073	166	2,814	1981 .....	1,035	179	4,986
1975 .....	972	171	3,082	1982 <sup>2</sup> .....			
1976 .....	1,068	160	3,176	1983 .....	1,118	172	5,544
1977 .....	1,133	170	3,592	1984 <sup>2</sup> .....			
1978 <sup>2</sup> .....				1985 .....	1,007	196	6,251
1979 .....	1,168	169	4,126	1986 <sup>2</sup> .....			
1980 <sup>2</sup> .....				1987 <sup>3</sup> .....	1,004	194	5,987

<sup>1</sup> Data are obtained from persons 14 years of age and over in the civilian noninstitutional population at or near the end of the year who did hired farm work at some time during the year. This series differs from the hired workers series shown in table 552 which estimates farm employment from a survey of farm operators.

<sup>2</sup> Beginning in 1977, the survey was conducted biennially.

<sup>3</sup> Data series ends with 1987; the survey was discontinued.

Economic Research Service. Based on data from an enumerative sample survey made by the Bureau of the Census, U.S. Department of Commerce for the Economic Research Service.

**Table 553.—All hired farm workers: Number and sex of workers, average days worked and earnings received, United States, selected years 1974-87 <sup>1</sup>**

Year	All hired farm workers			Workers with 25 days or more of hired farm work during the year				
	Total	Male	Female	Number of hired farm workers	Average days worked		Average earnings received during year	
					At farm and nonfarm work	At farm work	At farm and nonfarm work	At farm work
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Days</i>	<i>Days</i>	<i>Dollars</i>	<i>Dollars</i>
1974 .....	2,737	2,165	572	1,568	178	145	3,051	2,433
1975 .....	2,638	2,036	602	1,458	179	146	3,274	2,584
1976 .....	2,767	2,086	681	1,622	174	139	3,516	2,714
1977 .....	2,730	2,092	638	1,675	182	146	3,973	3,018
1978 <sup>2</sup> .....								
1979 .....	2,652	2,075	576	1,753	190	150	4,883	3,605
1980 <sup>2</sup> .....								
1981 .....	2,492	1,918	574	1,523	188	154	5,281	4,214
1982 <sup>2</sup> .....								
1983 .....	2,595	2,017	578	1,623	191	155	5,934	4,878
1984 <sup>2</sup> .....								
1985 .....	2,522	1,980	542	1,579	211	165	6,838	5,047
1986 <sup>2</sup> .....								
1987 <sup>3</sup> .....	2,463	1,961	501	1,606	217	167	7,437	5,033

<sup>1</sup> Data are obtained from persons 14 years of age and over in the civilian noninstitutional population at or near the end of the year who performed hired farm work at some time during the year. This series differs from the hired workers series shown in table 553 which estimates farm employment from a survey of farm operators.

<sup>2</sup> Beginning in 1977, survey data were collected biennially.

<sup>3</sup> Data series ends with 1987; the survey was discontinued.

Economic Research Service. Based on data from an enumerative sample survey made by the Bureau of the Census, U.S. Department of Commerce for the Economic Research Service.

Table 554.—Crops: Area, yield, production, and value, United States, 1986-88 <sup>1</sup>

Crop	Area harvested <sup>2</sup>			Yield per harvested acre <sup>3</sup>			Production			Value of production			
	1986	1987	1988 <sup>4</sup>	Unit	1986	1987	1988 <sup>4</sup>	1986	1987	1988 <sup>4</sup>	1986	1987	1988 <sup>4</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>					<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Corn for grain.....	69,159	59,208	58,164	Bushel.....	119.3	119.4	84.6	8,249,864	7,072,073	4,921,191	12,541,426	13,984,764	13,011,192
Corn for silage.....	6,274	5,829	8,295	Ton.....	14.1	14.5	9.5	88,660	84,468	78,925	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Wheat, all <sup>6</sup> .....	60,723	55,960	53,174	Bushel.....	34.4	37.7	34.1	2,091,635	2,107,480	1,811,261	5,044,347	5,496,828	6,632,805
Winter <sup>7</sup> .....	43,205	39,347	39,785	Bushel.....	35.2	39.8	39.9	1,521,498	1,565,176	1,560,970	3,583,338	3,961,286	5,627,206
Durum.....	2,877	3,279	2,847	Bushel.....	34.0	28.2	15.7	97,907	92,617	44,831	271,276	312,553	218,625
Other spring.....	14,641	13,334	10,542	Bushel.....	32.3	33.7	19.5	472,230	449,687	205,460	1,189,733	1,222,989	786,974
Oats <sup>6</sup> .....	6,860	6,925	5,590	Bushel.....	56.3	54.0	39.1	386,356	374,000	218,773	470,625	605,955	562,347
Barley <sup>6</sup> .....	12,007	10,057	7,535	Bushel.....	50.8	52.7	38.6	610,522	529,530	290,505	993,905	790,295	790,295
Rye.....	677	683	607	Bushel.....	28.8	29.0	24.8	19,522	19,818	15,047	29,159	32,289	37,027
Flaxseed.....	683	463	226	Bushel.....	16.9	16.1	7.1	11,538	7,444	1,615	39,962	25,188	12,443
Rice.....	2,360.0	2,333.0	2,895.0	Cwt.....	5,651	5,555	5,511	133,356	129,603	159,547	495,505	971,167	1,037,056
Sorghum for grain.....	13,859	10,604	9,052	Bushel.....	67.7	69.7	63.8	938,124	739,249	577,551	1,322,196	1,192,923	1,361,613
Sorghum for silage.....	500	424	548	Ton.....	11.8	12.2	9.9	5,898	5,157	5,447	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Cotton lint.....	8,468.4	10,035.3	11,943.2	Bale.....	552	706	619	9,731.1	14,759.9	15,411.5	2,449,111	4,555,017	4,102,350
Cottonseed.....				Ton.....				3,801	5,769	6,062	303,965	474,703	718,255
Hay, all.....	62,419	60,748	65,559	Ton.....	2.49	2.46	1.93	155,529	149,302	126,817	8,610,996	8,969,074	10,640,068
Beans, dry edible.....	1,495.0	1,688.4	1,366.0	Cwt. <sup>9</sup> .....	1,531	1,535	1,408	22,886	25,909	19,230	436,254	426,403	571,207
Soybeans for beans.....	58,292	56,977	57,383	Bushel.....	33.3	33.7	26.8	1,940,101	1,922,762	1,538,666	9,262,746	11,304,851	11,864,842
Peanuts for nuts.....	1,537.2	1,547.4	1,628.4	Pound.....	2,407	2,339	2,445	3,700,745	3,619,730	3,980,917	1,074,487	1,023,023	1,073,376
Potatoes.....	1,220.2	1,293.4	1,259.3	Cwt.....	296	301	283	361,743	389,320	356,438	1,810,330	1,682,949	2,143,971
Sunflower.....	1,955.0	1,775.0	1,806.0	Pound.....	1,369	1,469	898	2,675,750	2,608,150	1,622,370	185,119	217,618	191,183
Sweetpotatoes.....	90.8	89.8		Cwt.....	136	131	128	12,368	11,611	11,457	134,435	133,512	160,184
Taro.....	4	4	4	Pound.....	16,200	15,800	16,200	6,330	6,300	6,800	1,462	1,676	1,904
Tobacco.....	581.6	587.1	634.1	Pound.....	2,001	2,028	2,160	1,163,940	1,190,674	1,369,662	1,771,578	1,870,779	2,255,664
Sugarcane for sugar and seed.....	796.2	823.6	845.3	Ton.....	38.1	35.5	35.4	30,311	29,218	29,904	824,724	857,415	876,187
Sugarbeets.....	1,191.2	1,252.4	1,300.7	Ton.....	21.1	22.4	19.1	25,162	28,072	24,810	902,199	1,073,584	1,019,691
Mint oil.....	92.7	89.6	103.1	Pound.....	75	73	69	6,986	6,499	7,105	76,614	76,614	107,604
Hops.....	25.0	28.3	33.4	Pound.....	1,962	1,768	1,638	49,062	50,048	54,696	87,257	75,578	73,140
Apples, commercial crop.....	453.0	461.4	466.2	Pound.....	17,500	23,300	19,600	7,933,000	10,748,600	9,157,500	1,058,879	906,353	1,144,287
Peaches.....	191.1	189.5	185.7	Pound.....	12,200	12,600	14,100	2,328,400	2,390,800	2,619,700	341,926	310,852	383,825
Pears.....	68.0	69.6	70.0	Ton.....	11.30	13.50	12.30	766.4	940	861	202,760	185,712	235,118
Grapes.....	770.7	763.7	755.2	Ton.....	7.25	7.03	8.20	5,225.9	5,264.0	5,986.0	1,180,182	1,358,052	1,501,936
Cherries.....	95.2	96.1	96.3	Ton.....	3.80	8.21	4.38	362	789	422	157,039	181,422	199,279
Apricots.....	22.9	23.5	18.9	Ton.....	2.41	4.90	5.42	55.2	115.0	102.3	22,174	37,113	34,155
Plums (California).....	38.2	39.9	40.8	Ton.....	3.98	6.14	5.29	152	245	216	99,857	75,361	102,661
Prunes, dried (California).....	72.6	75.6	76.7	Ton.....	1.36	3.03	2.02	99	229	155	81,081	168,315	113,925
Prunes and plums, fresh basis (excluding California).....	9.2	9.2	9.4	Ton.....	5.23	5.60	5.54	48	52	52	11,448	6,667	8,805
Figs <sup>10</sup> .....	18.0	17.7	17.7	Ton.....	2.78	2.87	2.69	50.0	52.0	47.7	14,173	17,395	16,610
Nectarines.....	22.8	23.6	24.2	Ton.....	7.54	8.09	8.26	172.0	191.0	200.0	75,720	65,545	78,861

Olives.....	32.3	31.6	31.5	Ton.....	3.45	2.14	2.78	111.5	67.5	87.5	65,407	41,053	50,449
Dates.....	4.5	4.9	5.0	Ton.....	3.96	3.96	4.40	17.8	19.4	22.0	14,738	16,917	19,756
Kiwifruit.....	5.6	6.8	6.9	Ton.....	4.34	4.26	4.74	24.3	29.0	32.7	24,102	18,886	22,420
Avocados <sup>11</sup> .....	86.3	86.1	85.4	Ton.....	3.51	2.43	2.14	302.7	209.0	183.0	104,140	214,248	198,972
Bananas.....	1.0	1.1	1.1	Pound.....	9.9	10.7	12.1	9,700	11,400	12,900	2,910	3,386	4,257
Papayas.....	2.4	2.4	2.3	Pound.....	34.6	44.7	n.a.	61,000	67,000	69,000	11,123	11,050	12,354
Pineapples.....	36.0	36.1	34.6	Ton.....	n.a.	n.a.	n.a.	646.0	692.0	659.0	99,720	99,286	107,402
Pomegranates.....	3.5	3.4	3.5	Ton.....	6.29	5.44	5.71	22.0	18.5	20.0	7,666	5,617	6,318
Cranberries.....	24.9	25.5	25.9	Barrel.....	146.2	130.2	155.2	3,640	3,321	4,019	162,866	147,798	178,861
Strawberries.....	44.4	44.6	45.0	Cwt.....	230	249	260	10,193	11,117	11,669	503,641	549,082	537,289
Oranges <sup>12</sup> .....	569.5	575.3	583.6	Box.....	318	348	355	181,175	200,250	207,150	1,322,499	1,773,681	1,776,367
Grapefruit <sup>12</sup> .....	147.9	149.6	151.4	Box.....	431	459	462	63,775	68,700	70,000	414,395	478,588	424,236
Lemons <sup>12</sup> .....	63.9	64.5	63.8	Box.....	448	320	313	28,600	20,650	20,000	182,171	202,404	223,504
Limes <sup>12</sup> .....	6.7	7.0	6.6	Box.....	216	186	189	1,450	1,300	1,250	19,569	23,314	21,474
Tangerines <sup>12</sup> .....	19.3	19.5	19.2	Box.....	283	264	291	5,470	5,140	5,590	69,720	80,400	83,378
Tangelos <sup>12</sup> .....	9.5	9.4	9.5	Box.....	421	447	400	4,000	4,200	3,800	24,626	32,605	30,913
Temples <sup>12</sup> .....	9.4	9.3	9.3	Box.....	362	382	403	3,400	3,550	3,750	20,513	27,940	25,219
Pecans.....	n.a.	n.a.	n.a.	Pound.....	n.a.	n.a.	n.a.	272,700	262,200	308,000	196,649	139,109	166,518
Pistachios.....	34.2	41.0	44.1	Pound.....	2,190	807	2,130	74,900	33,100	94,000	79,394	47,333	104,340
Walnuts.....	179.8	176.0	174.0	Ton.....	1.00	1.40	1.18	180.0	247.0	206.0	194,400	243,048	190,362
Almonds.....	415.6	417.0	407.0	Pound.....	602	1,580	1,450	250,000	660,000	590,000	461,568	648,000	600,075
Filberts.....	24.9	25.8	26.5	Ton.....	.61	.84	.62	15.1	21.8	16.5	10,967	20,302	14,082
Macadamia nuts.....	14.4	15.6	16.6	Pound.....	3,060	2,740	2,740	44,000	42,700	45,550	35,200	35,868	40,950
Coffee.....	2.0	2.1	2.2	Pound.....	1,500	878	884	3,000	1,800	1,900	8,700	4,860	5,700
Commercial vegetables:													
Beans, snap <sup>10</sup> .....	190.6	221.2	217.7	Ton.....	3.20	3.07	2.70	609,400	679,010	588,280	97,262	108,436	98,628
Broccoli.....	119.1	120.2	114.4	Cwt.....	97	95	112	11,529	11,432	12,793	239,739	238,846	292,264
Carrots.....	86.1	100.1	97.7	Cwt.....	361	384	393	31,074	38,485	32,501	334,617	351,362	344,466
Cauliflower.....	67.8	65.1	62.8	Cwt.....	111	112	125	7,527	7,375	7,874	191,863	187,555	202,378
Celery.....	32.3	33.9	34.0	Cwt.....	528	526	572	17,614	17,847	19,423	211,065	198,617	230,762
Corn, sweet <sup>14</sup> .....	593.0	620.5	618.4	Ton.....	4.31	4.64	3.92	5,474.5	2,882.0	2,422.1	359,742	368,261	360,871
Honeydew melons.....	28.8	28.6	31.2	Cwt.....	189	168	168	5,438	4,811	5,241	69,132	69,293	75,341
Lettuce.....	216.0	228.9	236.1	Cwt.....	295	297	301	63,715	67,972	71,024	757,970	1,002,379	1,045,161
Onions.....	115.3	123.7	132.2	Cwt.....	375	371	365	43,301	45,867	48,264	427,669	511,090	426,293
Peas, green <sup>13</sup> .....	272.4	290.3	283.9	Ton.....	1.52	1.51	1.10	414,880	439,530	313,140	93,781	98,576	73,166
Tomatoes <sup>14</sup> .....	379.2	387.6	415.9	Ton.....	19.6	19.7	17.9	7,424.8	7,634.1	7,445.6	1,264,914	1,284,698	1,407,503

<sup>1</sup> Hawaii is included in commercial vegetables and in area and production of sugarcane, but is excluded from other crops. <sup>2</sup> Bearing acreage for noncitrus fruits. <sup>3</sup> Yield per bearing acre for noncitrus fruits. <sup>4</sup> Preliminary. <sup>5</sup> Discontinued. <sup>6</sup> Includes area seeded in preceding fall. <sup>7</sup> Area seeded in preceding fall. <sup>8</sup> Yield in pounds. <sup>9</sup> Clean basis. <sup>10</sup> Fresh basis. <sup>11</sup> Year of bloom. <sup>12</sup> Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the year of harvest. <sup>13</sup> Processing only. <sup>14</sup> For breakdown between fresh market and processing, see individual crop tables. n.a. not available.

National Agricultural Statistics Service.

Table 555.—Crops: Area, United States, 1974-88

Year	Principal crops				Commercial vegetables, harvested area <sup>6</sup>	Fruits and planted nuts, bearing area <sup>6</sup>
	Harvested area			Planted area total <sup>4</sup>		
	Feed grains <sup>1</sup>	Food grains <sup>2</sup>	Total <sup>3</sup>			
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
1974	99,752	68,683	315,941	326,076	3,333.4	3,314.4
1975	104,683	73,045	324,040	332,236	3,416.6	3,437.6
1976	106,245	74,126	325,324	336,091	3,202.0	3,374.6
1977	108,624	69,612	333,282	344,873	3,217.0	3,485.8
1978	105,714	60,391	326,423	336,438	3,255.6	3,504.6
1979	102,510	66,173	336,736	345,803	3,298.0	3,510.9
1980	101,391	75,087	340,103	355,677	3,044.9	3,556.0
1981	106,646	85,119	354,295	363,167	2,971.5	3,537.4
1982	106,127	81,876	349,644	358,708	2,189.8	3,551.6
1983	80,287	64,455	293,944	309,536	2,135.2	3,580.8
1984	106,664	70,711	334,723	345,110	2,446.1	3,545.0
1985	111,786	67,943	330,063	342,224	2,467.2	3,502.6
1986	101,885	63,760	311,519	327,301	2,357.6	3,445.0
1987	86,794	58,976	289,628	305,101	2,475.3	3,468.2
1988	80,486	56,676	290,077	308,344	2,508.8	3,457.8

<sup>1</sup> Corn for grain, oats, barley, and sorghum for grain. <sup>2</sup> Wheat, rye, and rice. <sup>3</sup> Crop area included is for corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower (beginning 1975), cotton, all hay, dry edible beans, potatoes, sweetpotatoes, tobacco, sugarcane, and sugarbeets; popcorn. Beginning 1986 also includes dry edible peas, Austrian winter peas and lentils. <sup>4</sup> Crop area included is as follows: Planted acres for corn, sorghum, oats, barley, durum and other spring wheat, rice, soybeans, flaxseed, peanuts, sunflower (beginning 1975), cotton, dry edible beans, potatoes, sweetpotatoes, and sugarbeets; harvested acres for winter wheat, rye, all hay, tobacco and sugarcane; popcorn. Beginning 1986 also includes dry edible peas, Austrian winter peas and lentils.

<sup>5</sup> Area for fresh market is area for harvest, including any partially harvested or not harvested because of low prices or other economic factors. Area for processing is area harvested. <sup>6</sup> Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, lemons, grapefruit, lemons, limes and tangelos (area is for the year of harvest); deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit (beginning 1980), olives, avocados, papayas, dates, persimmons (prior to 1978), pineapples and pomegranates; nuts—walnuts, almonds, filberts, macadamias, and pistachios (beginning 1977).

National Agricultural Statistics Service.

Table 556.—Harvested crops: Area required for specified purposes, United States, 1974-88

Year	Crops harvested <sup>1</sup>	Area used for producing—			Total population July 1 <sup>3</sup>	Year	Crops harvested <sup>1</sup>	Area used for producing—			Total population July 1 <sup>3</sup>		
		Export products <sup>2</sup>	Products for domestic use					Total	Export products <sup>2</sup>	Products for domestic use		Total	
			Million acres	Million acres						Acres			Million acres
1974	328	99	229	1.07	214	1982	362	113	249	1.07	232		
1975	336	100	236	1.09	216	1983	306	124	182	.77	235		
1976	337	97	240	1.10	218	1984	348	96	252	1.06	237		
1977	345	112	233	1.06	220	1985	342	79	263	1.10	239		
1978	338	114	224	1.00	223	1986	325	95	230	.95	242		
1979	348	125	223	.99	225	1987	302	106	196	.80	244		
1980	352	137	215	.94	228	1988 <sup>4</sup>	297	121	176	.72	246		
1981	366	129	237	1.03	230								

<sup>1</sup> Area in principal crops harvested as reported by The Agricultural Statistics Board, NASS, plus area in vegetables, fruits, tree nuts, and farm gardens.

<sup>2</sup> Area for exports relate to exports for year beginning July 1 through 1974 and for October 1 thereafter. Area includes seeds for crops and feed for livestock that are exported.

<sup>3</sup> Includes persons in our military forces in this country and abroad.

<sup>4</sup> Preliminary.

Economic Research Service.

**Table 557.—Total farm input: Index numbers of farm input by major subgroups, United States, 1974-88**

[1977=100]

Year	Total input	Farm labor	Farm real estate	Mechanical power and machinery	Agricultural chemicals <sup>1</sup>	Feed, seed, and livestock purchases <sup>2</sup>	Taxes and interest	Miscellaneous
1974.....	98	109	99	92	92	99	103	87
1975.....	97	106	97	96	83	93	100	82
1976.....	98	100	98	98	96	101	102	90
1977.....	100	100	100	100	100	100	100	100
1978.....	102	100	100	104	107	108	99	103
1979.....	105	99	103	104	123	115	103	113
1980.....	103	96	103	101	123	114	100	96
1981.....	102	96	104	98	129	108	99	108
1982.....	99	93	102	92	118	108	92	116
1983.....	97	97	101	88	105	110	97	101
1984.....	95	92	97	84	121	106	88	110
1985.....	92	85	95	80	123	106	91	116
1986.....	87	80	93	75	110	103	93	109
1987.....	86	78	92	72	111	111	92	118
1988 <sup>3</sup> .....	85	75	91	71	113	107	86	116

<sup>1</sup> Includes fertilizer, lime, and pesticides.    <sup>2</sup> Nonfarm portion of feed, seed, and livestock purchases.    <sup>3</sup> Preliminary.

Economic Research Service.

**Table 558.—Farm production and output: Index numbers of total output, and gross production of livestock and crops, by groups, United States, 1974-88**

[1977=100]

Year	Farm output	Livestock and products <sup>1</sup>				Crops									
		All livestock and products <sup>2</sup>	Meat animals <sup>3</sup>	Dairy products <sup>4</sup>	Poultry and eggs <sup>5</sup>	All crops <sup>6</sup>	Feed grains <sup>7</sup>	Hay and forage <sup>8</sup>	Food grains <sup>9</sup>	Vegetables <sup>10</sup>	Fruits and nuts <sup>11</sup>	Sugar crops <sup>12</sup>	Cotton	Tobacco	Oil crops <sup>13</sup>
1974.....	88	100	104	94	94	84	74	96	91	101	94	89	82	104	71
1975.....	95	95	97	94	92	93	91	100	108	97	98	114	58	114	86
1976.....	97	99	100	98	98	92	96	94	107	99	96	112	74	112	74
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	104	101	100	99	106	102	108	106	93	103	99	101	76	106	105
1979.....	111	104	103	101	114	113	116	108	108	107	105	94	102	80	129
1980.....	104	108	107	105	115	101	97	98	121	104	119	97	79	93	99
1981.....	118	109	106	108	119	117	121	106	144	111	111	107	109	108	114
1982.....	116	107	101	110	119	117	122	109	138	116	113	96	85	104	121
1983.....	96	109	104	114	120	88	67	100	117	107	110	93	55	75	91
1984.....	112	107	101	110	123	111	116	107	129	117	114	95	91	90	106
1985.....	118	110	102	117	128	118	134	106	121	122	119	97	94	81	117
1986.....	111	110	100	116	133	109	123	106	107	117	112	106	69	63	110
1987.....	110	113	102	116	144	106	105	103	106	122	121	112	103	62	107
1988.....	101	115	104	116	150	92	73	90	98	123	134	107	108	71	88

<sup>1</sup> Production of livestock and livestock products for human use, horses and mules excluded.    <sup>2</sup> Includes clipped wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and products shown.

<sup>3</sup> Cattle and calves, sheep and lambs, and hogs.    <sup>4</sup> Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms.    <sup>5</sup> Chicken eggs, commercial broilers, chickens, and turkeys.    <sup>6</sup> Includes production of hayseeds, pasture seeds and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown.

<sup>7</sup> Corn for grain, oats, barley, and sorghum grain.    <sup>8</sup> All hay, sorghum forage, corn silage, and sorghum silage.    <sup>9</sup> All wheat, rye, and rice.    <sup>10</sup> Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market having value.    <sup>11</sup> Fruits, berries, and tree nuts having value. Citrus production is based on year of harvest for 1960 to date; earlier years are based on year of bloom.

<sup>12</sup> Sugarbeets, sugarcane for sugar and seed, sugarcane sirup, and maple sirup.    <sup>13</sup> Soybeans, peanuts harvested for nuts, cottonseed, and flaxseed.

Economic Research Service.

**Table 559.—Livestock and livestock products: Production and value, United States, 1986-88**

Product	Production <sup>1</sup>			Value of production		
	1986	1987	1988 <sup>2</sup>	1986	1987	1988 <sup>2</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Cattle and calves .....	40,474,970	40,327,023	40,897,874	20,935,311	24,660,211	27,426,021
Sheep and lambs .....	721,464	728,863	703,249	443,899	489,109	418,550
Hogs .....	19,415,403	20,408,228	21,630,015	9,555,767	10,424,257	9,128,050
Chickens <sup>3</sup> .....	20,670,521	22,539,618	23,502,181	6,907,696	6,287,850	7,528,797
Turkeys .....	4,141,697	4,893,707	5,069,466	1,948,438	1,702,784	1,954,750
Milk .....	143,381,000	142,557,000	145,527,000	18,058,057	17,997,274	17,947,096
Wool (shorn) .....	84,829	84,669	89,235	56,595	77,109	124,644
Mohair <sup>4</sup> .....	16,000	16,200	17,323	40,160	42,606	32,769
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
Eggs .....	68,398,000	69,531,000	69,476,000	3,510,273	3,178,185	3,058,998

<sup>1</sup> For cattle, sheep, and hogs, the quantity of net production is the live weight actually produced during the year, adjustments having been made for animals shipped in and changes in inventory.

<sup>2</sup> Preliminary.

<sup>3</sup> Including commercial broiler production. Pounds sold replace production of chickens, beginning 1986.

<sup>4</sup> Texas only.

National Agricultural Statistics Service.

**Table 560.—Agricultural productivity: Index numbers of farm output per unit of input, United States, 1974-88**

[1977 = 100]

Year	Productivity <sup>1</sup>	Year	Productivity <sup>1</sup>	Year	Productivity <sup>1</sup>
1974 .....	90	1979 .....	105	1984 .....	119
1975 .....	99	1980 .....	101	1985 .....	123
1976 .....	98	1981 .....	116	1986 .....	127
1977 .....	100	1982 .....	117	1987 .....	128
1978 .....	101	1983 .....	99	1988 <sup>2</sup> .....	120

<sup>1</sup> Productivity is the output-input ratio. The ratio is obtained by dividing the index of farm output in table 565 by the index of total input in table 559.

<sup>2</sup> Preliminary.

Economic Research Service.

## FOOTNOTES FOR TABLE 564

<sup>1</sup> Cropland used for crops is the sum of the area of land from which one or more crops were harvested plus area of crop failure and summer fallow. For States included in regions, see footnote 1, table 597.

<sup>2</sup> Preliminary.

Economic Research Service.



Table 561.—Labor: Indexes of farm production per hour, by farming regions, 1974-88 <sup>1</sup>

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lach-ian	South-east	Delta States	South-ern Plains	Moun-tain	Pa-cific	United States
1974.....	88	72	72	78	92	99	79	72	92	92	81
1975.....	92	79	88	87	94	103	87	84	98	98	90
1976.....	102	79	96	88	104	111	94	93	107	106	97
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	109	102	105	104	106	110	104	92	109	99	104
1979.....	112	109	117	117	111	122	116	105	105	106	113
1980.....	116	115	112	102	106	106	95	95	117	115	109
1981.....	133	128	124	124	124	130	118	119	128	121	123
1982.....	134	133	123	129	127	139	127	112	126	116	125
1983.....	118	112	84	105	93	112	94	95	110	101	99
1984.....	83	80	95	125	159	258	154	92	113	197	121
1985.....	87	87	127	160	166	274	176	111	109	185	139
1986.....	88	96	114	166	166	291	178	118	140	166	139
1987.....	101	92	112	167	162	220	179	136	124	196	142
1988 <sup>2</sup> .....	94	81	103	145	167	241	202	106	141	209	134

<sup>1</sup> New, survey-based labor series. Not directly comparable to previous year's tables of labor usage. <sup>2</sup> Preliminary. Economic Research Service.

Table 562.—Labor: Indexes of farm production per hour used for farm work, by enterprise groups, United States, 1973-86

[1977=100]

Year	Livestock and products					Crops									
	Farm out-put	All live-stock and prod-ucts	Meat ani-mals	Milk cows	Poul-try	All crops	Feed grains	Hay and for-age	Food grains	Vege-tables	Fruits and nuts	Sugar crops	Cot-ton	To-bacco	Oil crops
1973.....	81	76	78	70	70	87	88	89	100	96	91	85	51	91	84
1974.....	79	82	84	75	76	80	75	87	89	97	96	82	47	98	76
1975.....	89	85	87	81	81	89	90	94	101	93	97	97	57	97	88
1976.....	94	93	94	91	94	91	95	90	98	100	101	100	70	101	84
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	108	109	108	109	109	105	111	109	104	104	103	103	100	109	98
1979.....	119	117	117	122	119	118	125	116	115	109	104	103	132	99	110
1980.....	113	129	127	135	125	105	107	109	116	113	112	104	103	104	90
1981.....	131	136	136	150	135	121	132	122	129	119	108	111	145	117	110
1982.....	133	143	138	164	142	124	136	128	129	120	115	109	149	122	113
1983.....	122	154	149	187	152	105	96	122	131	119	115	106	141	106	96
1984.....	138	162	153	212	162	123	133	132	140	117	116	108	172	123	109
1985.....	151	175	165	244	173	134	149	134	142	123	118	109	192	137	133
1986 <sup>1</sup> .....	150	183	169	266	182	133	150	139	135	123	120	113	160	126	131

<sup>1</sup> Last year of series. Economic Research Service.

Table 563.—Farm output: Index numbers by farming regions,<sup>1</sup> 1974-88

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1974	99	80	80	86	98	106	88	79	98	95	88
1975	100	84	95	92	102	108	89	88	104	100	95
1976	103	79	97	88	107	112	93	90	108	103	97
1977	100	100	100	100	100	100	100	100	100	100	100
1978	110	102	105	104	109	111	101	88	112	98	104
1979	109	105	115	98	106	120	111	103	106	109	111
1980	108	106	105	98	102	107	87	85	114	117	104
1981	119	112	115	121	123	127	112	112	127	123	118
1982	118	115	112	121	121	125	114	98	121	121	116
1983	110	97	80	101	91	109	89	86	114	113	96
1984	118	112	103	119	118	121	112	92	115	125	112
1985	119	115	122	129	115	122	107	97	109	123	118
1986	111	110	116	128	100	103	96	86	115	117	111
1987	108	107	108	122	100	107	103	92	119	123	110
1988 <sup>2</sup>	101	86	87	103	105	116	113	95	111	132	101

<sup>1</sup> For States included in regions, see footnote 1, table 618. <sup>2</sup> Preliminary.  
Economic Research Service.

Table 564.—Cropland used for crops: Index numbers by farming regions,<sup>1</sup> 1974-88

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1974	98	93	96	98	92	91	87	91	98	100	96
1975	98	95	97	99	95	94	89	96	101	102	97
1976	99	97	98	98	96	95	96	94	100	103	98
1977	100	100	100	100	100	100	100	100	100	100	100
1978	99	97	97	96	101	99	100	93	100	101	97
1979	101	99	101	99	103	101	102	96	102	102	100
1980	102	101	102	99	104	101	102	98	103	104	101
1981	103	102	102	102	105	101	102	99	104	106	102
1982	103	101	101	102	105	100	100	96	102	103	101
1983	97	86	83	92	90	90	84	75	99	96	88
1984	101	100	99	101	101	98	95	85	105	100	99
1985	101	99	100	101	101	91	92	89	102	99	98
1986	97	94	95	99	94	79	84	83	103	95	94
1987	90	82	85	95	90	70	80	76	97	93	88
1988 <sup>2</sup>	87	83	88	92	89	72	83	75	90	88	86

See footnotes on page 394.

Table 565.—Crop production per acre of cropland used for crops: Index numbers by regions,<sup>1</sup> 1974-88

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1974	106	78	77	77	108	125	100	77	98	97	88
1975	103	83	97	87	111	121	99	84	97	97	96
1976	102	70	94	81	113	121	93	89	103	98	94
1977	100	100	100	100	100	100	100	100	100	100	100
1978	109	102	108	110	109	114	100	88	109	95	105
1979	109	105	116	119	102	120	112	109	107	107	113
1980	104	100	102	92	95	102	81	79	111	113	100
1981	112	106	114	116	118	130	110	106	117	112	115
1982	114	114	117	120	120	133	118	91	116	115	116
1983	104	101	88	102	88	122	98	97	110	114	100
1984	116	110	105	118	116	129	118	100	107	121	112
1985	120	114	124	129	111	135	114	105	104	124	120
1986	113	114	124	181	96	122	106	93	112	122	116
1987	115	122	123	127	97	143	120	114	125	147	123
1988 <sup>2</sup>	100	81	86	100	102	151	131	115	117	145	106

See footnotes on page 398.

**Table 566.—Selected crops: Labor-hours per unit of production and related factors, United States, indicated periods, 1935-86 <sup>1</sup>**

Crop and item	1935-39	1945-49	1955-59	1965-69	1975-79	1981-85	1982-86 <sup>2</sup>
Corn for grain:							
Hours per acre.....	28.1	19.2	9.9	5.8	3.6	3.1	3.1
Yield-bushels.....	26.1	36.1	48.7	78.5	95.3	107.2	109.3
Hours per 100 bushels.....	108	53	20	7	4	3	3
Sorghum grain:							
Hours per acre.....	13.1	8.8	5.9	4.2	3.8	3.5	3.5
Yield-bushels.....	12.8	17.8	29.2	52.9	54.1	59.8	60.6
Hours per 100 bushels.....	102	49	20	8	7	6	6
Wheat:							
Hours per acre.....	8.8	5.7	3.8	2.9	2.8	2.6	2.5
Yield-bushels.....	13.2	16.9	22.3	27.5	31.3	36.9	37.1
Hours per 100 bushels.....	67	34	17	11	9	7	7
Hay:							
Hours per acre.....	11.3	8.4	6.0	3.8	3.4	3.0	3.0
Yield-ton.....	1.24	1.35	1.61	1.97	2.21	2.43	2.45
Hours per ton.....	9.1	6.2	3.7	1.9	1.6	1.3	1.2
Potatoes:							
Hours per acre.....	69.7	68.5	53.1	45.1	37.6	33.3	32.6
Yield-cwt.....	70.3	117.8	178.1	212.8	263.2	281.0	283.9
Hours per ton.....	20	12	6	4	3	2	2
Sugarbeets:							
Hours per acre.....	98	85	51	33	26	21	20
Yield-ton.....	11.6	13.6	17.4	17.5	20.0	20.7	20.4
Hours per ton.....	8.4	6.3	2.9	1.9	1.3	1.0	1.0
Cotton:							
Hours per acre.....	99	83	66	30	8	6	5
Yield-pounds.....	226	273	428	484	484	576	581
Hours per bale.....	209	146	74	30	8	5	5
Tobacco:							
Hours per acre <sup>3</sup> .....	415	460	475	427	254	223	218
Yield-pounds.....	886	1,176	1,541	1,960	2,001	2,098	2,080
Hours per 100 pounds.....	47	39	31	22	13	11	10
Soybeans:							
Hours per acre.....	11.8	8.0	5.2	4.8	3.7	3.2	3.2
Yield-bushels.....	18.5	19.6	22.7	25.8	29.6	30.0	30.7
Hours per 100 bushels.....	64	41	23	19	12	11	10

<sup>1</sup> Labor-hours per acre harvested, including preharvest work on area abandoned, grazed, and turned under.<sup>2</sup> Series discontinued, last year of data.<sup>3</sup> Per acre planted and harvested.

Economic Research Service.

**Table 567.—Livestock: Labor-hours per unit of production and related factors, United States, indicated periods, 1935-86**

Kind of livestock and item	1935-39	1945-49	1955-59	1965-69	1975-79	1981-85	1982-86 <sup>1</sup>
Milk cows:							
Hours per cow.....	148	129	109	78	45	27	24
Milk per cow (pounds).....	4,401	4,982	6,307	8,820	11,034	12,513	12,734
Hours per cwt. of milk.....	3.4	2.6	1.7	.9	.4	.2	.2
Cattle other than milk cows:							
Hours per cwt. of beef produced <sup>2</sup> .....	4.2	4.0	3.2	2.1	1.3	.9	.9
Hogs:							
Hours per cwt. produced <sup>3</sup> .....	3.2	3.0	2.4	1.4	.5	.3	.3
Chickens (laying flocks and eggs):							
Hours per 100 layers.....	221	240	175	97	60	46	44
Rate of lay.....	129	161	200	219	236	245	246
Hours per 100 eggs produced.....	1.7	1.5	.9	.4	.3	.2	.2
Chickens (farm raised):							
Hours per 100 birds.....	30	29	23	14	12	10	10
Hours per cwt. produced <sup>3</sup> .....	9.0	7.7	6.7	3.7	2.9	2.5	2.5
Chickens (broilers):							
Hours per 100 birds.....	25	16	4	2	.6	.4	.4
Hours per cwt. produced <sup>3</sup> .....	8.5	5.1	1.3	.5	.2	.1	.1
Turkeys:							
Hours per cwt. produced <sup>3</sup> .....	23.7	13.1	4.4	1.3	.5	.3	.2

<sup>1</sup> Series discontinued, last year of data.<sup>2</sup> Production includes beef produced as a byproduct of the milk-cow enterprise.<sup>3</sup> Live-weight production.

Economic Research Service.

**Table 568.—Industrial production and income: Index numbers of production in selected lines, United States, 1974-88**

Year	Industrial production <sup>1</sup>				
	Total	Manufacturing	Durable manufacturing	Nondurable manufacturing	Mining
	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>
1974.....	93.0	92.6	94.3	90.2	98.8
1975.....	84.8	83.4	82.6	84.5	96.6
1976.....	92.6	91.9	91.1	93.1	97.4
1977.....	100.0	100.0	100.0	100.0	100.0
1978.....	106.5	107.1	108.2	105.5	103.6
1979.....	110.7	111.5	113.9	108.2	106.4
1980.....	108.6	108.2	109.1	107.0	112.4
1981.....	111.0	110.5	111.1	109.7	117.5
1982.....	103.1	102.2	99.9	105.5	109.3
1983.....	109.2	110.2	107.7	113.7	102.9
1984.....	121.4	123.4	124.2	122.3	111.1
1985.....	123.7	126.4	127.6	124.6	108.9
1986.....	125.1	129.1	128.4	130.1	100.4
1987.....	129.8	134.7	133.1	136.8	100.7
1988 <sup>2</sup> .....	137.2	142.7	141.9	143.9	103.4

<sup>1</sup> Data from Board of Governors of the Federal Reserve System.<sup>2</sup> Preliminary.

Economic Research Service.

## FOOTNOTES FOR TABLE 565

<sup>1</sup> For States included in regions, see footnote 1, table 559.<sup>2</sup> Preliminary.

Economic Research Service.

**Table 569.—Marketing bill for U.S. farm foods, farm value, and civilian consumer expenditures, 1974-88 <sup>1</sup>**

Year	Total marketing bill	Farm value	Civilian expenditures for farm foods	Year	Total marketing bill	Farm value	Civilian expenditures for farm foods
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>		<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1974.....	98.2	56.4	154.6	1982.....	217.5	81.4	298.9
1975.....	111.4	55.6	167.0	1983.....	229.7	85.3	315.0
1976.....	125.0	58.3	183.3	1984.....	242.2	89.8	332.0
1977.....	132.7	58.2	190.9	1985.....	259.0	86.4	345.4
1978.....	147.4	69.5	216.9	1986.....	270.8	88.3	359.6
1979.....	166.0	79.2	245.2	1987.....	285.1	90.4	375.5
1980.....	182.7	81.7	264.4	1988 <sup>2</sup> .....	287.6	97.3	394.9
1981.....	205.0	81.7	287.7				

<sup>1</sup> The total marketing bill is the difference between total civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. It relates only to domestic food bought by civilian consumers and not to that sold to the Armed Forces or exported.

<sup>2</sup> Preliminary.

Economic Research Service.

**Table 570.—Marketing costs for farm food products, United States, 1974-88**

Year	Labor <sup>1</sup>	Packaging materials	Intercity transportation, rail and truck	Fuels and electricity	Corporate profits before taxes	Other <sup>2</sup>	Total marketing bill <sup>3</sup>
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1974.....	44.3	11.8	7.5	3.7	6.1	24.8	98.2
1975.....	48.3	13.3	8.4	4.6	7.1	29.7	111.4
1976.....	53.8	14.5	9.1	5.0	7.7	34.9	125.0
1977.....	58.3	15.1	9.7	6.0	8.0	35.6	132.7
1978.....	66.2	16.6	10.5	7.1	9.9	37.1	147.4
1979.....	75.2	18.6	11.8	8.2	10.0	42.3	166.1
1980.....	81.5	21.0	13.0	9.0	9.9	48.3	182.7
1981.....	91.0	22.6	14.3	10.0	9.7	58.4	206.0
1982.....	96.6	23.7	14.7	11.0	9.3	62.2	217.5
1983.....	102.4	24.7	15.4	11.7	9.6	65.9	229.7
1984.....	109.3	26.2	15.9	12.5	9.6	68.7	242.2
1985.....	115.6	26.9	16.5	13.1	10.5	76.4	259.0
1986.....	122.9	27.7	16.8	13.2	9.9	80.3	270.8
1987 <sup>4</sup> .....	130.0	29.9	17.2	13.6	10.4	84.0	285.1
1988 <sup>4</sup> .....	136.5	32.3	17.8	14.2	11.4	85.4	297.6

<sup>1</sup> Includes employee wages or salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration.

<sup>2</sup> Includes depreciation, rent, advertising and promotion, interest, taxes, licenses, insurance, professional services, local for-hire transportation, food service in schools, colleges, hospitals, and other institutions, and miscellaneous items.

<sup>3</sup> The marketing bill is the difference between the farm value or payments to farmers for foodstuffs and consumer expenditures for these foods both at foodstores and away from home eating places. Thus, it covers processing, wholesaling, transportation, and retailing costs and profits.

<sup>4</sup> Preliminary.

Economic Research Service.

**Table 571.—Farm-retail price spreads: Market basket of farm-originated food products by food group, United States, 1974-88 <sup>1</sup>**

Year	Market basket of farm food products				Bakery and cereal products			
	Retail cost <sup>2</sup>	Farm value <sup>3</sup>	Farm to retail spread <sup>4</sup>	Farm value share of retail cost	Retail cost	Farm value	Farm to retail spread	Farm value share of retail cost
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1974.....	60	73	53	42	56	130	48	25
1975.....	64	76	58	40	63	107	57	19
1976.....	65	72	61	38	62	87	59	15
1977.....	66	72	63	37	62	72	61	12
1978.....	74	83	68	38	68	83	66	13
1979.....	82	92	77	38	75	95	72	14
1980.....	88	97	83	37	84	111	81	14
1981.....	95	99	92	36	92	109	90	13
1982.....	98	99	98	35	96	96	97	12
1983.....	99	97	100	34	100	99	99	12
1984.....	103	104	103	35	104	103	104	12
1985.....	104	96	108	32	108	94	110	11
1986.....	106	95	112	31	111	76	116	8
1987.....	112	97	119	30	115	71	121	8
1988 <sup>6</sup> .....	117	100	125	30	122	98	126	9

  

	Meat products				Fruits and vegetables, fresh			
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1974.....	61	67	55	54	51	62	47	33
1975.....	66	77	56	57	53	63	49	33
1976.....	66	70	63	53	54	61	52	31
1977.....	65	70	60	53	62	70	59	31
1978.....	77	85	69	54	71	80	67	31
1979.....	90	97	84	52	76	79	75	29
1980.....	93	96	89	51	81	78	82	26
1981.....	96	97	95	49	91	97	89	29
1982.....	101	104	98	52	97	100	95	34
1983.....	99	97	102	49	96	90	99	31
1984.....	100	99	100	50	108	111	106	34
1985.....	99	91	107	47	110	101	115	30
1986.....	102	94	110	47	114	96	122	28
1987.....	110	101	118	47	128	113	136	29
1988 <sup>6</sup> .....	112	100	125	45	137	109	150	26

  

	Dairy products				Fats and oils			
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1974.....	61	61	59	49	71	124	52	47
1975.....	63	63	61	50	77	97	69	34
1976.....	68	71	64	52	66	79	60	32
1977.....	70	72	68	50	71	95	62	36
1978.....	74	77	71	51	78	98	70	34
1979.....	83	88	78	52	84	106	75	34
1980.....	91	96	86	52	89	96	87	29
1981.....	97	102	93	51	99	100	98	27
1982.....	99	100	97	49	96	80	102	22
1983.....	100	100	100	48	97	96	98	27
1984.....	101	99	103	47	107	124	100	31
1985.....	103	95	110	44	109	104	111	26
1986.....	103	93	113	43	106	76	118	19
1987.....	106	93	118	42	108	74	121	18
1988 <sup>6</sup> .....	108	91	125	40	113	103	117	25

See footnotes at end of table.

**Table 571.—Farm-retail price spreads: Market basket of farm-originated food products by food group, United States, 1974-88 <sup>1</sup>—Continued**

Year	Retail cost <sup>2</sup>	Farm value <sup>3</sup>	Farm to retail spread <sup>4</sup>	Farm value share of retail cost	Retail cost	Farm value	Farm to retail spread	Farm value share of retail cost
	Poultry				Fruits and vegetables, processed			
	Index 1982-84=100	Index 1982-84=100	Index 1982-84=100	Percent	Index 1982-84=100	Index 1982-84=100	Index 1982-84=100	Percent
1974.....	72	76	69	56	58	57	50	22
1975.....	80	88	71	59	61	63	57	21
1976.....	76	79	75	55	62	61	59	20
1977.....	77	81	74	56	64	59	66	19
1978.....	85	92	76	58	71	88	67	25
1979.....	89	92	86	55	77	91	74	23
1980.....	94	96	91	55	83	97	79	23
1981.....	97	95	100	52	92	106	89	23
1982.....	96	91	101	51	97	100	97	24
1983.....	97	96	98	53	98	93	100	23
1984.....	107	113	101	56	104	107	103	24
1985.....	106	106	107	53	107	118	104	26
1986.....	114	115	113	54	105	102	106	23
1987.....	113	94	134	45	109	111	108	24
1988 <sup>5</sup> .....	121	110	133	49	118	137	112	28

<sup>1</sup> The market basket consists of foods originating on U.S. farms bought in foodstores in a base period, currently 1982-84. <sup>2</sup> Indexes of retail prices are components of the Consumer Price Index published by the Bureau of Labor Statistics. <sup>3</sup> Gross return or payment to farmers for the farm products equivalent to foods in the market basket. <sup>4</sup> The spread between the retail cost and farm value is an estimate of the gross margin received by marketing firms for assembling, processing, transporting, and distributing the products. <sup>5</sup> Preliminary.  
Economic Research Service.

**Table 572.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1987 and 1988**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>	
	1987	1988	1987	1988
			Parity price	Parity price
	Dollars	Dollars	Dollars	Dollars
<b>Basic commodities:</b>				
Cotton:				
American Upland.....	0.637	0.548	1.23	1.29
Extra long staple.....	1.04	1.15	1.89	1.83
Wheat.....	2.57	3.72	6.59	6.98
Rice.....	7.27	6.70	18.50	19.20
Corn.....	1.34	2.55	4.78	4.93
Peanuts.....	.277	.269	.452	.470
Tobacco:				
Flue-cured, types 11-14.....	1.587	1.613	2.88	3.00
Va., fire-cured, type 21.....	1.315	1.482	2.17	2.25
Ky-Tenn., fire-cured, types 22-23.....	1.515	2.207	2.66	2.74
Burley, type 31.....	1.563	1.610	2.96	3.06
Maryland, type 32 <sup>4</sup> .....	1.10	1.513	2.42	2.48
Dark air-cured, types 35-36.....	1.304	1.628	2.26	2.31
Sun-cured, type 37.....	1.025	1.239	2.02	2.04
Pa., seedleaf, type 41.....	.720	1.040	1.41	1.43
Cigar filler and binder, types 42-44, 54-55.....	1.000	1.249	1.93	1.96
Puerto Rican filler, type 46.....	.722	.737	1.88	1.96
Cigar binder, types 51-52.....	1.700	1.700	3.03	3.18
<b>Designated nonbasic commodities:</b>				
All milk, sold to plants.....	12.53	12.22	22.90	23.90
Fluid market.....	12.66	12.34		
Manufacturing grade.....	11.37	11.15		
Honey, all.....	.503	.501	1.06	1.11
<b>Wool and mohair:</b>				
Wool <sup>7</sup> .....	.917	1.38	2.55	2.74
Mohair <sup>8</sup> .....	2.63	1.89	7.92	8.43

See footnotes at end of table.

**Table 572.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1987 and 1988—Continued**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>		
	1987 <sup>2</sup>	1988 <sup>2</sup>	1987 <sup>2</sup>	1988 <sup>2</sup>	
	Dollars	Dollars	Dollars	Dollars	
<b>Other nonbasic commodities:</b>					
<b>Field crops and miscellaneous:</b>					
Barley.....	bushel.....	1.81	2.79	4.32	4.43
Beans, dry edible.....	cwt.....	16.50	30.30	36.90	37.60
Cottonseed.....	ton.....	82.50	119.00	185.00	190.00
Crude pine gum.....	barrel.....	( <sup>5</sup> )	( <sup>5</sup> )	152.00	158.00
Flaxseed.....	bushel.....	3.39	7.67	10.80	10.50
Hay, all, baled.....	ton.....	65.10	87.10	119.00	122.00
Hops.....	pound.....	1.51	1.40	2.81	2.98
Oats.....	bushel.....	1.56	2.61	2.72	2.80
Peas, dry edible.....	cwt.....	7.58	8.12	20.60	21.50
Peppermint oil.....	pounds.....	11.60	15.90	19.30	19.00
Popcorn, shelled basis.....	cwt.....	( <sup>6</sup> )	( <sup>6</sup> )	19.70	20.60
Potatoes.....	cwt.....	4.35	5.49	8.68	9.01
Rye.....	bushel.....	1.63	2.49	4.00	3.99
Sorghum grain.....	cwt.....	3.04	4.07	8.15	8.40
Soybeans.....	bushel.....	5.88	7.55	11.70	11.50
Spearmint oil.....	pound.....	12.10	12.70	19.90	20.10
Sweetpotatoes.....	cwt.....	11.60	13.00	23.70	24.60
<b>Tobacco:</b>					
Cigar wrapper, type 61.....	pound.....	15.500	21.200	19.10	20.70
Cigar wrapper, type 62.....	pound.....	( <sup>6</sup> )	( <sup>6</sup> )	9.36	9.76
<b>Fruits:</b>					
<b>Citrus (equiv. on-tree): <sup>9</sup></b>					
Grapefruit.....	box.....	4.96	5.39	5.00	5.78
Lemons.....	box.....	3.55	6.86	6.43	6.92
Limes, Florida.....	box.....	8.57	12.69	16.80	17.00
Oranges.....	box.....	5.40	6.56	8.43	9.16
Tangelos.....	box.....	3.72	5.35		
Tangerines.....	box.....	10.46	13.17	11.20	12.60
Templets.....	box.....	3.01	5.07	7.50	7.91
<b>Deciduous and other:</b>					
<b>Apples:</b>					
For all sales.....	pound.....	.087	.126		
For fresh consumption <sup>10</sup> .....	pound.....	.127	.172	.281	.292
For processing <sup>11</sup> .....	ton.....	79.30	123.00	201.00	209.00
<b>Apricots:</b>					
For all sales.....	ton.....	348.000	363.00		
For fresh consumption <sup>10</sup> .....	ton.....	652.00	658.00	1,510.00	1,600.00
Dried, California (dried basis) <sup>11</sup> .....	ton.....	310.00	314.00	3,580.00	3,700.00
For processing (except dried) <sup>11</sup> .....	ton.....	285.00	282.00	461.00	493.00
<b>Avocados <sup>12</sup></b>					
For processing (Washington and Oregon):.....	ton.....	1,030.00	1,090.00	1,230.00	1,260.00
<b>Berries for processing (Washington and Oregon):</b>					
Blackberries.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	.676	.706
Boysenberries/youngberries.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	.959	1.00
Gooseberries.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	.407	.424
Loganberries.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	.658	.686
Raspberries, black.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	1.16	1.21
Raspberries, red.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	.921	.960
<b>Cherries:</b>					
Sweet.....	ton.....	748.00	788.00	1,210.00	1,270.00
Tart.....	pound.....	.078	.231	.580	.541
Cranberries <sup>13</sup> .....	barrel.....	44.50	44.90	68.00	76.60
Dates, California <sup>12</sup> .....	ton.....	872.00	898.00	1,180.00	1,290.00
Figs, canned, California.....	ton.....	( <sup>5</sup> )	( <sup>5</sup> )		
<b>Grapes:</b>					
For all sales.....	ton.....	259.00	251.00		
Raisin varieties dried, California (dried basis) <sup>11</sup> .....	ton.....	817.00	888.00	1,700.00	1,780.00
<b>Nectarines (California):</b>					
For fresh consumption <sup>12</sup> .....	ton.....	344.00	396.00	518.00	552.00
For processing <sup>11</sup> .....	ton.....	26.00	57.00	103.00	102.00

See footnotes at end of table.



Table 572.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1987 and 1988—Continued

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>	
	1987 <sup>2</sup>	1988 <sup>2</sup>	1987 <sup>2</sup>	1988 <sup>2</sup>
	Dollars	Dollars	Dollars	Dollars
Other nonbasic commodities—Con.				
Fruits—Con.				
Deciduous and other—Con.				
Olives (California): <sup>10</sup>				
For all sales.....	ton.... 608.00	577.00		
Crushed for oil.....	ton.... 15.00	14.00	64.70	55.80
For processing (except crushed).....	ton.... 686.00	597.00	903.00	954.00
For canning.....	ton.... 702.00	668.00	994.00	1,050.00
Peaches:				
For all sales.....	pound.... 138	156		
For fresh consumption <sup>10</sup> .....	pound.... 185	213	392	409
Dried, California (dried basis) <sup>11</sup> .....	ton.... 909.00	960.00	2,040.00	1,920.00
For processing (except dried):				
Clingstone <sup>10</sup> .....	ton.... 189.00	207.00	296.00	315.00
Freestone <sup>11</sup> .....	ton.... 177.00	170.00	277.00	291.00
Pears:				
For all sales.....	ton.... 198.00	273.00		
For fresh consumption <sup>10</sup> .....	ton.... 227.00	357.00	503.00	511.00
Dried, California (dried basis) <sup>12</sup> .....	ton.... 753.00	956.00	1,600.00	1,540.00
For processing (except dried) <sup>11</sup> .....	ton.... 172.00	191.00	288.00	303.00
Plums (equiv. on-tree) (California):				
For all sales.....	ton.... 308.00	475.00		
For fresh consumption.....	ton....		575.00	580.00
For processing.....	ton....		27.90	47.80
Pomegranates, California.....	ton.... 340.00	351.00		
Prunes, dried (California) <sup>11</sup> .....	ton.... 735.00	735.00	1,210.00	1,310.00
Prunes and plums (excl. California):				
For fresh consumption <sup>14</sup> .....	ton.... 175.00	249.00	652.00	654.00
For processing (except dried) <sup>11</sup> .....	ton.... 108.00	117.00	194.00	199.00
Strawberries:				
For fresh consumption <sup>16</sup> .....	pound.... 58.50	54.00	.885	.934
For processing <sup>11</sup> .....	pound.... 28.50	25.20	.446	.493
Seed crops:				
Alfalfa.....	cwt....		211.00	220.00
Bentgrass.....	cwt....		206.00	215.00
Chewings fescue (Oregon).....	cwt....		109.00	114.00
Crimson clover.....	cwt....		91.60	95.60
Hairy vetch.....	cwt....		63.40	66.10
Ladino clover.....	cwt....		269.00	281.00
Lespedeza.....	cwt....		90.70	94.60
Merion Kentucky bluegrass.....	cwt....		240.00	250.00
Orchardgrass.....	cwt....		78.10	81.50
Red clover.....	cwt....		131.00	137.00
Red fescue.....	cwt....		110.00	115.00
Tall fescue.....	cwt....		40.00	41.90
Timothy.....	cwt....		69.80	72.80
Sugar crops:				
Maple sirup.....	gallon....			
Sugarbeets.....	ton.... 38.20	41.10	60.40	64.20
Sugarcane for sugar.....	ton.... 29.30	29.30	47.10	50.40
Tree nuts: <sup>17</sup>				
Almonds.....	pound.... 1.00	1.05	2.15	2.20
Filberts.....	ton.... 959.00	853.00	1,410.00	1,470.00
Pecans, all.....	ton.... .531	.541	2,390.00	2,370.00
Improved.....	ton.... .601	.626		
Seedling.....	ton.... .377	.411		
Walnuts.....	ton.... 984.00	927.00	1,610.00	1,740.00
Vegetables for fresh market: <sup>18</sup>				
Artichokes, California <sup>18</sup> .....	cwt.... (5)	(5)	49.60	51.80
Asparagus.....	cwt.... 65.60	70.50	120.00	125.00
Broccoli.....	cwt.... 21.90	24.00	39.90	40.60
Cabbage.....	cwt.... (5)	(5)	15.10	15.70
Cantaloups.....	cwt.... (5)	(5)	23.20	24.20
Carrots <sup>18</sup> .....	cwt.... 9.13	10.60	15.80	16.30
Cauliflower <sup>18</sup> .....	cwt.... 25.40	25.70	42.20	44.30
Celery <sup>18</sup> .....	cwt.... 11.10	11.90	19.90	20.50
Cucumbers.....	cwt.... (5)	(5)	24.90	25.90

See footnotes at end of table.

**Table 572.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1987 and 1988—Continued**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>		
	1987	1988	1987 <sup>2</sup>	1988 <sup>2</sup>	
	Dollars	Dollars	Dollars	Dollars	
<b>Other nonbasic commodities—Con.</b>					
<b>Vegetables for fresh market <sup>15</sup>—Con.</b>					
Eggplant.....	cwt....	( <sup>6</sup> )	( <sup>6</sup> )	26.30	27.40
Escarole.....	cwt....	( <sup>6</sup> )	( <sup>6</sup> )	33.80	35.30
Garlic.....	cwt....	( <sup>6</sup> )	( <sup>6</sup> )	32.00	33.30
Green peppers.....	cwt....	( <sup>6</sup> )	( <sup>6</sup> )	39.30	41.00
Honeydew melons.....	cwt....	14.40	14.40	22.90	24.20
Lettuce.....	cwt....	14.70	14.70	19.10	20.90
Onions <sup>17</sup> .....	cwt....	12.50	9.72	17.90	19.30
Snap beans.....	cwt....	( <sup>6</sup> )	( <sup>6</sup> )	49.20	51.30
Spinach.....	cwt....	( <sup>6</sup> )	( <sup>6</sup> )	43.10	45.00
Sweet corn.....	cwt....	12.90	14.80	20.90	22.00
Tomatoes.....	cwt....	26.00	26.80	41.70	43.10
Watermelons.....	cwt....	( <sup>6</sup> )	( <sup>6</sup> )	9.23	9.63
<b>Vegetables for processing: <sup>11</sup></b>					
Asparagus.....	ton....	932.00	1,015.00	1,600.00	1,680.00
Beets.....	ton....	( <sup>6</sup> )	( <sup>6</sup> )	85.00	88.70
Cabbage.....	ton....	( <sup>6</sup> )	( <sup>6</sup> )	65.60	68.40
Cucumbers.....	ton....	180.00	200.00	.....	.....
Green peas.....	ton....	224.00	234.00	404.00	412.00
Lima beans.....	ton....	( <sup>6</sup> )	( <sup>6</sup> )	731.00	762.00
Snap beans.....	ton....	160.00	168.00	292.00	300.00
Spinach.....	ton....	( <sup>6</sup> )	( <sup>6</sup> )	158.00	165.00
Sweet corn.....	ton....	59.30	60.70	106.00	109.00
Tomatoes.....	ton....	59.10	60.70	121.00	123.00
<b>Livestock and livestock products:</b>					
All beef cattle.....	cwt....	61.10	66.60	100.00	107.00
Cows.....	cwt....	43.20	46.30	.....	.....
Steers and heifers.....	cwt....	65.30	71.40	.....	.....
Calves.....	cwt....	78.50	89.20	117.00	125.00
Beeswax.....	pound....	.....	.....	3.17	3.31
<b>Chickens:</b>					
Excluding broilers, live.....	pound....	.110	.092	.....	.....
Broilers, live.....	pound....	.287	.331	.....	.....
Eggs.....	dozen....	.549	.528	1.09	1.11
Hogs.....	cwt....	51.20	42.30	83.20	86.40
Lambs.....	cwt....	77.60	69.10	113.00	122.00
Milk cows <sup>18</sup> .....	head....	920	990	.....	.....
Milk, retail <sup>19</sup> .....	quart....	.486	.500	.....	.....
Sheep.....	cwt....	29.50	25.60	38.70	42.60
Turkeys, live.....	pound....	.348	.386	.752	.762

<sup>1</sup> Marketing year average prices for crops; weighted calendar year average for livestock and livestock products, except chickens, eggs, and hogs, which are on a Nov.-Dec. marketing year basis. Unless otherwise noted, these are averages for marketing season or calendar year computed by weighing State prices by quantities sold, or by production for those commodities for which virtually all the production is sold.

<sup>2</sup> Preliminary.

<sup>3</sup> Parity prices are for January of the year shown as published in the January issue of Agricultural Prices.

<sup>4</sup> Crop is sold during year following production.

<sup>5</sup> Estimates discontinued.

<sup>6</sup> Previous year.

<sup>7</sup> Average local market price for wool sold excluding incentive payment.

<sup>8</sup> Average local market price for mohair sold excluding incentive payment. Texas only prior to 1988.

<sup>9</sup> Crop year begins with bloom in one year and ends with completion of harvest the following year. Prices refer to the year harvest begins. Thus the prices shown for 1988 relate to the citrus crop designated as 1988-89 in the production reports.

<sup>10</sup> Equivalent packinghouse-door returns for California, Oregon, Washington, and New York (starting 1985), and prices as sold for other States.

<sup>11</sup> Equivalent returns at processing plant-door.

<sup>12</sup> Equivalent returns at packinghouse-door.

<sup>13</sup> Equivalent per unit returns for bulk fruit at first delivery point.

<sup>14</sup> Average price as sold.

<sup>15</sup> FOB Shipping point.

<sup>16</sup> Prices are in-shell basis except almonds which are shelled basis.

<sup>17</sup> Includes some processing.

<sup>18</sup> Simple average of States weighted by estimated Jan. 1 head for U.S. average.

<sup>19</sup> Sold by farmers directly to consumers.

n.a. not available.

National Agricultural Statistics Service.

**Table 573.—Producer prices: Index numbers, by groups of commodities, United States, 1981-88**

[1982=100]

Year	Total finished goods	Consumer foods	Finished goods <sup>1</sup>	Total consumer goods	Total intermediate materials	Total crude materials
1981 <sup>2</sup>	96.1	97.8	95.6	96.1	98.6	103.0
1982	100.0	100.0	100.0	100.0	100.0	100.0
1983	101.6	101.0	101.8	101.2	100.6	101.3
1984	103.7	105.4	103.2	102.2	103.1	103.5
1985	104.7	104.6	104.6	103.3	102.7	95.8
1986	103.2	107.3	101.9	98.5	99.1	87.7
1987	105.4	109.5	104.0	100.7	101.5	93.7
1988 <sup>3</sup>	108.0	112.6	106.5	106.2	107.1	96.0

<sup>1</sup> Excluding consumer foods.

<sup>2</sup> Data prior to 1980 available from Department of Labor.

<sup>3</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Labor.

**Table 574.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1974-88**

[1910-14=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market <sup>1</sup>	Commercial vegetables	Commercial vegetables for fresh market	Potatoes, sweet potatoes, and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Live-stock and live-stock products	All farm products	Parity ratio <sup>2</sup>
1974	529	423	433	821	625	319	303	403	509	543	504	553	510	214	454	481	86
1975	426	400	348	899	529	313	303	458	379	391	452	567	537	235	474	463	76
1976	355	379	504	906	551	294	291	456	579	375	443	569	591	233	485	464	71
1977	275	316	511	972	652	370	362	498	658	363	433	564	594	228	481	457	66
1978	336	320	466	1,061	608	509	522	522	695	379	456	757	647	243	595	524	70
1979	403	360	490	1,145	670	534	546	548	717	333	501	937	736	252	708	602	71
1980	452	417	583	1,219	664	458	462	562	722	469	539	878	798	254	691	614	65
1981	456	446	566	1,363	718	480	478	677	887	643	580	848	842	264	688	633	60
1982	401	378	469	1,489	575	647	673	629	790	455	524	876	831	252	696	609	55
1983	407	452	531	1,505	663	475	474	649	847	445	554	831	830	270	679	615	56
1984	394	459	554	1,484	708	747	794	661	873	570	599	854	823	308	701	649	58
1985	365	385	474	1,492	546	666	693	642	807	448	519	802	779	271	654	585	52
1986	300	309	462	1,339	502	627	642	650	811	411	461	817	766	293	666	561	51
1987	282	268	503	1,255	518	669	703	719	968	458	458	921	764	244	703	578	52
1988 <sup>3</sup>	378	378	484	1,286	703	669	703	707	903	448	544	949	746	269	721	631	54

See footnotes on page 411.

**Table 575.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1974-88**

[1977=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market <sup>1</sup>	Commercial vegetables	Commercial vegetables for fresh market	Potatoes, sweet-potatoes, and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Livestock and livestock products	All farm products	Ratio <sup>2</sup>
1974.....	192	134	85	85	96	86	84	81	77	150	117	98	86	94	94	105	120
1975.....	155	127	68	93	81	85	84	92	88	108	105	100	90	103	98	101	113
1976.....	129	120	99	93	85	80	80	91	88	104	102	101	100	102	101	102	107
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	122	101	91	109	93	137	144	105	106	104	105	134	109	106	124	115	106
1979.....	147	114	96	118	103	144	151	110	109	92	116	166	124	111	147	132	107
1980.....	165	132	114	125	102	124	128	118	110	129	125	156	135	112	144	134	97
1981.....	166	141	111	140	110	130	132	136	135	177	134	150	142	116	143	139	92
1982.....	146	120	92	153	88	175	186	126	120	125	121	155	140	110	145	133	84
1983.....	148	143	104	155	102	128	131	130	129	123	128	147	140	118	141	135	84
1984.....	144	145	108	153	109	202	220	133	133	157	138	151	139	135	146	142	87
1985.....	133	122	93	153	84	180	192	129	122	124	120	142	131	119	136	128	79
1986.....	109	98	91	138	77	169	177	130	123	114	107	145	129	128	138	123	77
1987.....	103	85	99	129	79	181	194	144	147	126	106	163	129	107	146	126	79
1988 <sup>3</sup> .....	137	120	95	132	108	181	194	142	137	124	126	168	126	118	150	138	82

<sup>1</sup> Fresh market for noncitrus, and fresh market and processing for citrus. <sup>2</sup> Ratio of Index of Prices Received (1977=100) to Index of Prices Paid (1977=100). <sup>3</sup> Preliminary.

National Agricultural Statistics Service. These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been weighted by average quantities sold during 1971-73.

**Table 576.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1974-88<sup>1</sup>**

[1977=100]

Year	Production indexes													Interest	Taxes	Wage rates <sup>3</sup>	Production, interest, taxes, and wage rates <sup>4</sup>	Commodities, interest, taxes, and wage rates <sup>4</sup>
	Production (all commodities)	Feed	Feed-livestock	Seed	Fertilizer	Agricultural chemicals	Fuels and energy <sup>2</sup>	Farm and motor supplies	Autos and trucks	Tractors and self-propelled machinery	Other machinery	Building and fencing	Farm services and cash rent <sup>2</sup>					
1974.....	83	104	93	82	92	76	79	89	69	68	65	79	72	65	81	79	81	81
1975.....	91	100	85	94	120	102	88	102	82	82	80	90	86	77	87	85	89	89
1976.....	97	103	97	92	102	111	93	100	91	91	92	94	92	88	94	93	95	95
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	108	98	140	105	100	94	105	104	106	109	108	108	107	117	100	107	109	108
1979.....	125	110	185	110	108	96	137	115	117	122	119	118	117	143	107	117	125	123
1980.....	138	123	177	118	134	102	188	134	123	136	132	128	144	174	115	127	139	138
1981.....	148	134	164	138	144	111	213	147	143	152	146	134	157	211	123	138	151	150
1982.....	153	122	164	141	144	119	210	152	159	165	160	135	169	242	124	144	158	159
1983.....	152	134	160	141	137	125	202	152	170	174	171	138	145	250	129	148	159	161
1984.....	155	135	154	151	143	128	201	147	182	181	180	138	152	248	133	151	161	164
1985.....	151	116	154	153	135	128	201	146	193	178	183	136	150	228	136	154	156	162
1986.....	147	108	153	148	124	127	162	144	198	174	182	136	145	211	138	160	150	159
1987.....	147	103	179	148	118	124	161	145	208	174	185	137	144	190	139	167	151	161
1988.....	157	128	192	150	130	126	163	148	215	181	197	138	147	186	142	172	160	170

<sup>1</sup> Index values for 1973 through 1975 were revised and published in May 1976 using 1971-73 weights. Indexes were reordered and several new indexes introduced. <sup>2</sup> New index; values for years prior to 1973 are not available. <sup>3</sup> Simple average of seasonally adjusted quarterly indexes. <sup>4</sup> Family living component included.

National Agricultural Statistics Service.

**Table 577.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1974-88 <sup>1</sup>**

[1910-14=100]

Year	Family living indexes							Production indexes					
	Family living (all commodities)	Food	Clothing	Housing <sup>2</sup>	Autos and auto supplies	Medical and health care <sup>2</sup>	Education, recreation, and other <sup>2</sup>	Production (all commodities)	Feed	Feed-er live-stock	Seed	Fertilizer	Agricultural chemicals
1974	484	531	637	496	530	513	438	481	414	570	512	246	329
1975	533	574	682	558	595	576	474	528	399	517	582	320	443
1976	563	589	739	592	639	631	495	559	408	594	574	272	481
1977	<sup>3</sup> 576	(*)	(*)	(*)	(*)	(*)	(*)	579	398	611	621	266	434
1978	616	(*)	(*)	(*)	(*)	(*)	(*)	628	390	853	650	265	407
1979	683	(*)	(*)	(*)	(*)	(*)	(*)	720	436	1,129	681	287	415
1980	776	(*)	(*)	(*)	(*)	(*)	(*)	798	491	1,084	736	357	443
1981	858	(*)	(*)	(*)	(*)	(*)	(*)	855	532	1,004	858	383	480
1982	914	(*)	(*)	(*)	(*)	(*)	(*)	886	484	1,002	877	384	518
1983	944	(*)	(*)	(*)	(*)	(*)	(*)	883	532	975	878	365	543
1984	985	(*)	(*)	(*)	(*)	(*)	(*)	900	539	941	939	381	556
1985	1,019	(*)	(*)	(*)	(*)	(*)	(*)	874	461	941	949	358	554
1986	1,040	(*)	(*)	(*)	(*)	(*)	(*)	835	430	934	918	329	549
1987	1,076	(*)	(*)	(*)	(*)	(*)	(*)	849	408	1,092	925	314	538
1988	1,119	(*)	(*)	(*)	(*)	(*)	(*)	908	508	1,168	931	346	549

  

Year	Production indexes—Continued							Interest	Taxes	Wage rates <sup>6</sup>	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates <sup>7</sup>
	Fuels and energy	Farm and motor supplies	Autos and trucks	Tractors and self-propelled machinery	Other machinery	Building and fencing	Farm services and cash rent <sup>5</sup>					
1974	281	392	793	816	725	733	482	1,103	1,305	1,506	605	558
1975	313	450	940	990	895	835	578	1,303	1,400	1,627	665	613
1976	331	439	1,043	1,102	1,025	871	621	1,481	1,518	1,781	709	653
1977	357	441	1,151	1,205	1,120	928	674	1,688	1,614	1,915	743	689
1978	376	458	1,218	1,315	1,211	1,001	720	1,981	1,612	2,053	806	745
1979	488	506	1,343	1,466	1,332	1,099	791	2,420	1,730	2,262	926	848
1980	672	592	1,417	1,640	1,483	1,185	970	3,021	1,859	2,421	1,030	949
1981	762	647	1,650	1,831	1,637	1,241	1,059	3,661	1,988	2,626	1,118	1,035
1982	750	671	1,834	1,982	1,789	1,254	1,141	4,197	1,998	2,760	1,172	1,090
1983	722	668	1,957	2,100	1,913	1,281	980	4,831	2,085	2,836	1,176	1,104
1984	718	649	2,097	2,179	2,010	1,275	1,025	4,199	2,142	2,872	1,195	1,129
1985	718	645	2,219	2,142	2,051	1,263	1,014	3,866	2,190	2,934	1,159	1,117
1986	578	637	2,273	2,095	2,035	1,259	980	3,573	2,223	3,049	1,113	1,093
1987	576	631	2,392	2,098	2,097	1,261	972	3,210	2,245	3,203	1,130	1,110
1988	592	651	2,472	2,175	2,220	1,282	989	3,154	2,287	3,267	1,188	1,167

<sup>1</sup> Index values for 1973 through 1975 were revised and published in May 1976 using 1971-73 weights. Indexes were reordered and several new indexes introduced.

<sup>2</sup> Based on Consumer Price Indexes of Bureau of Labor Statistics.

<sup>3</sup> Beginning 1977, based on Consumer Price Indexes of Bureau of Labor Statistics.

<sup>4</sup> Discontinued.

<sup>5</sup> New index, values for years prior to 1973 are not available.

<sup>6</sup> Simple average of seasonally adjusted quarterly indexes.

<sup>7</sup> The index known as the Parity Index is the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Wage Rates expressed on the 1910-14=100 base.

National Agricultural Statistics Service.

Table 578.—Prices paid by farmers: Prices, by commodities, United States, 1984-88 <sup>1 2</sup>

Commodity and unit	1984	1985	1986	1987	1988
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Building materials:</b>					
Framing lumber, 2 by 4 inches, per 1,000 board feet:					
Pine, Standard and better.....	361.00	347.00	350.00	369.00	366.00
Fir, Standard and better.....	388.00	376.00	382.00	392.00	394.00
Boards, per 1,000 board feet:					
Rough, for farm fences and construction.....	483.00	492.00	489.00	499.00	511.00
Dressed, 1-inch, pine S4S, standard and better or No. 2 and better <sup>3</sup> .....	633.00	646.00	653.00	674.00	702.00
Nails, 8d, common, per pound.....	.643	.647	.643	.650	.660
Roofing, galvanized steel, per 100 square feet.....	42.60	41.50	41.20	41.40	42.70
Shingles, fiberglass, per square.....	27.80	26.70	25.30	24.00	23.40
Insulating sheathing, (asphalt-treated) regular density, ½-inch, per sheet 4 feet by 8 feet.....	5.12	5.21	5.40	5.44	5.44
Concrete blocks, per 100.....	90.20	92.50	94.70	96.30	99.10
Portland cement, per 94 pounds.....	6.06	6.19	6.25	6.29	6.36
Paint, house, exterior, latex per gallon *.....	16.10	16.10	16.10	15.80	16.00
Barbed wire, 2-point, per 80-rod spool.....	35.50	34.70	34.70	33.70	33.80
Barbed wire, 4-point, per 80-rod spool.....	39.50	37.60	37.50	36.60	36.90
Posts, wood, farm line fence, each.....	.365	.354	.344	3.50	3.57
Posts, steel, each.....	2.79	2.73	2.60	2.50	2.46
Staples, fence, per pound.....	.704	.709	.707	.716	.727
Woven wire fencing, 32-inch, per 20-rod roll.....	77.30	75.40	74.30	72.20	71.60
Iron pipe, galvanized, 1¼-inch, I.D., per foot.....	1.98	1.96	1.90	1.98	2.03
Plastic tubing, 1-inch, I.D., per foot.....	.254	.250	.246	.262	.316
<b>Fuels and energy:</b>					
Fuel, per gallon:					
Diesel fuel.....	1.00	.967	.693	.712	.729
Gasoline, service station, unleaded regular.....	1.20	1.20	.930	.940	.941
Gasoline, bulk delivery, leaded regular.....	1.16	1.15	.894	.919	.927
L. P. gas, bulk delivery.....	.760	.726	.670	.592	.586
Electricity, per kilowatt hour.....	.683	.717	(16)	(16)	(16)
<b>Motor supplies:</b>					
Grease, 35 lb. pail.....	31.50	31.80	31.90	31.60	31.60
Motor oil, per gallon:					
All weather, high detergent.....	5.00	4.99	4.96	4.83	4.86
Heavy duty, detergent.....	4.68	4.68	4.63	4.63	4.65
Regular, nondetergent.....	4.27	4.29	4.31	4.33	4.33
Spark plugs, each.....	1.85	1.79	1.73	1.77	1.80
Storage batteries, CPR 220-310 amps, each.....	48.40	48.00	47.10	47.80	49.00
<b>Tires:</b>					
Auto tires, bias-belted const., E78-14, tubeless each <sup>5</sup> .....	44.10	43.50	42.60	41.50	41.60
Auto tires, radial, steel-belted, P/195/75R14/ER78-14 tubeless, each <sup>6</sup> .....	61.20	58.60	56.30	54.20	53.40
Truck tires, 10.00-20, load range F, each.....	167.00	200.00	206.00	201.00	200.00
Tractor tires, rear, 15.5-38, 6-ply, each.....	289.00	291.00	285.00	280.00	288.00
Tractor tires, rear, 18.4-34, 6-ply, each.....	376.00	406.00	406.00	398.00	404.00
<b>New motor vehicles:</b>					
Autos, 4-door sedans:					
Compact <sup>7</sup> .....	8,540.00	8,870.00	9,240.00	9,750.00	10,220.00
Intermediate size <sup>8</sup> .....	10,100.00	10,750.00	11,500.00	12,300.00	13,350.00
Standard <sup>9</sup> .....	12,400.00	13,480.00	14,300.00	15,100.00	16,800.00
New trucks:					
2-ton, cab and chassis, each <sup>10</sup> .....	18,330.00	19,170.00	18,300.00	20,400.00	20,480.00
¾-ton pickup <sup>11</sup> .....	10,350.00	11,150.00	11,700.00	12,400.00	12,850.00
<b>Tractors:</b>					
2-wheel, 30-39 P.T.O. or belt horsepower.....	11,400.00	11,260.00	10,800.00	11,100.00	11,450.00
2-wheel, 50-59 P.T.O. or belt horsepower.....	17,400.00	16,900.00	16,660.00	16,600.00	17,000.00
2-wheel, 110-129 P.T.O. or belt horsepower.....	41,800.00	40,100.00	38,700.00	38,900.00	40,100.00
4-wheel, 170-240 P.T.O. or belt horsepower.....	79,930.00	78,600.00	77,100.00	74,700.00	75,820.00

See footnotes at end of table.

PRICES PAID BY FARMERS

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Table 578.—Prices paid by farmers: Prices, by commodities, United States, 1984-88 <sup>1 2</sup>—  
Continued

Commodity and unit	1984	1985	1986	1987	1988
	Dollars	Dollars	Dollars	Dollars	Dollars
<b>Farm machinery:</b>					
Plows, moldboard, 3-bottom, each .....	2,670.00	2,620.00	2,600.00	2,610.00	2,750.00
Plows, moldboard, 5-bottom, each .....	6,870.00	6,730.00	6,790.00	6,590.00	7,180.00
Plows, moldboard, 7-bottom, each .....	10,130.00	9,860.00	9,750.00	9,750.00	10,230.00
Disk harrows, tandem, 16-ft., each .....	7,090.00	7,970.00	7,800.00	7,600.00	8,010.00
Disk harrows, tandem, 19-ft., each .....	10,670.00	10,480.00	10,100.00	9,800.00	10,520.00
Cultivators, 4-row, tractor, each .....	2,480.00	2,500.00	2,520.00	2,510.00	2,750.00
Corn planters, 4-row, plain, each .....	6,900.00	7,020.00	7,040.00	7,390.00	7,960.00
Grain drills, tractor-drawn, 16-tube, plain, each .....	5,360.00	5,460.00	5,630.00	5,750.00	5,990.00
Grain drills, tractor-drawn, 13-tube, with fertilizer attachment, each .....	5,210.00	5,560.00	5,520.00	5,730.00	6,080.00
Mowers, tractor, 7-ft., each .....	2,440.00	2,480.00	2,530.00	2,640.00	2,800.00
Pick-up balers, automatic tie, P.T.O., each <sup>12</sup> .....	8,920.00	9,200.00	9,420.00	9,840.00	10,290.00
<b>Combines, self-propelled:</b>					
Medium capacity, each .....	62,200.00	62,550.00	62,000.00	63,500.00	66,970.00
Large capacity, each .....	86,400.00	86,650.00	85,100.00	83,800.00	87,700.00
Corn picker-huskers, 2-row, each .....	13,700.00	13,800.00	13,700.00	13,400.00	12,900.00
Farm wagons, without box and tires, each .....	1,030.00	1,060.00	1,060.00	1,070.00	1,140.00
Power sprayers, boom type, tr. mtd., each .....	1,940.00	1,990.00	2,080.00	2,270.00	2,520.00
<b>Farm supplies:</b>					
Electric motors, ½-horsepower, each .....	75.70	76.90	79.00	82.90	80.50
Hammers, nail, 16 oz. head, with handle, each .....	13.20	13.50	13.20	12.50	12.40
Pitchfork, 4-tine, each .....	20.10	21.00	20.90	20.20	20.60
Hoes, 6-inch blade, each <sup>13</sup> .....	11.00	11.00	11.00	10.30	10.50
Metal pails, 12 quarts, each <sup>14</sup> .....	5.08	5.01	5.30	5.75	5.74
Rope, polypropylene, ½-inch, per 100 feet <sup>15</sup> .....	19.80	19.10	19.40	20.40	20.40
Baler twine, per 40-pound bale .....	21.60	19.00	18.80	18.40	19.90
New baskets, round stave, bushel, with cover, per dozen .....	19.30	20.20	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )
<b>Farm services:</b>					
Telephone, per month .....	15.60	16.40	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )
<b>Fertilizer:</b>					
<b>Mixed fertilizer:</b>					
0-20-20, per ton .....	173.00	160.00	153.00	156.00	177.00
3-9-9, per ton .....	177.00	173.00	168.00	159.00	158.00
4-8-12, per ton .....	173.00	167.00	167.00	158.00	165.00
5-10-10, per ton .....	145.00	138.00	129.00	128.00	138.00
5-10-15, per ton .....	155.00	149.00	141.00	139.00	150.00
5-20-20, per ton .....	182.00	168.00	157.00	158.00	176.00
6-24-24, per ton .....	210.00	191.00	177.00	177.00	202.00
10-10-10, per ton .....	161.00	155.00	145.00	142.00	151.00
12-12-12, per ton .....	182.00	180.00	174.00	170.00	178.00
16-20-0, ammonium phosphate, per ton .....	216.00	219.00	213.00	207.00	215.00
18-46-0, per ton .....	261.00	239.00	219.00	219.00	245.00
Nitrate of soda, per ton .....	196.00	200.00	201.00	203.00	204.00
Sulphate of ammonia, per ton .....	151.00	153.00	150.00	145.00	142.00
Ammonium nitrate, per ton .....	196.00	189.00	172.00	158.00	164.00
Superphosphate, 44-46% P <sub>2</sub> O <sub>5</sub> , per ton .....	222.00	202.00	189.00	194.00	218.00
Muriate of potash, 60% K <sub>2</sub> O, per ton .....	140.00	125.00	110.00	118.00	152.00
Agricultural limestone, spread on field, per ton .....	16.10	16.00	16.00	16.50	16.30
<b>Livestock:</b>					
<b>Feeders and stockers:</b>					
Cattle and calves, per 100 pounds .....	59.20	59.50	58.60	70.40	78.00
Pigs (40-60 lbs. av.), per 100 pounds .....	84.10	83.20	96.60	104.00	77.00
Broiler chicks, per 100 .....	17.50	17.50	17.30	18.60	17.00
Egg-type chicks, per 100 .....	50.70	50.80	50.70	51.10	50.50
Turkey poults, each .....	.946	.957	.951	.929	.939

See footnotes at end of table.

Table 578.—Prices paid by farmers: Prices, by commodities, United States, 1984-88 <sup>1 2</sup> —  
Continued

Commodity and unit	1984	1985	1986	1987	1988
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Feed:</b>					
Cottonseed meal, 41% protein, per 100 pounds.....	15.10	11.50	11.90	12.80	14.80
Soybean meal, 44% protein, per 100 pounds.....	13.30	10.30	11.40	11.90	15.60
Bran, per 100 pounds.....	10.30	9.50	9.19	8.79	9.88
Middlings, per 100 pounds.....	9.80	8.79	8.25	7.61	8.90
Cornmeal, per 100 pounds.....	8.59	7.29	6.57	6.03	6.90
Laying feed, per ton <sup>17</sup> .....	206.00	182.00	174.00	169.00	203.00
Broiler grower, per ton <sup>17</sup> .....	233.00	197.00	186.00	186.00	220.00
Chick starter, per ton <sup>17</sup> .....	230.00	199.00	187.00	191.00	228.00
<b>Dairy feed:</b>					
14 percent protein, per ton.....	179.00	160.00	151.00	143.00	169.00
16 percent protein, per ton.....	191.00	168.00	160.00	154.00	182.00
18 percent protein, per ton.....	199.00	171.00	170.00	163.00	195.00
20 percent protein, per ton.....	202.00	172.00	173.00	166.00	201.00
32 percent protein, per ton.....	268.00	227.00	242.00	248.00	301.00
Stock salt, per 50 pounds.....	3.18	3.25	3.26	3.29	3.33
<b>Seeds:</b>					
Barley, per bushel.....	6.00	6.03	5.30	4.56	4.55
Corn, hybrid, per bushel.....	70.20	71.80	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )
Corn, hybrid, 80,000 kernels.....		67.30	65.60	65.10	64.40
Oats, per bushel.....	4.95	4.73	3.96	3.90	4.28
Potatoes, per 100 pounds.....	8.76	8.06	6.98	7.62	7.33
Rye, per bushel.....	6.90	6.80	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )
Soybeans, per bushel.....	13.40	11.90	11.10	11.20	11.80
Wheat, per bushel.....	6.94	6.78	6.25	5.66	5.81
Grain sorghum, hybrid, per 100 pounds.....	64.20	66.10	67.10	64.50	65.20
Alfalfa, uncertified, per 100 pounds.....	162.00	156.00	167.00	172.00	194.00
Alfalfa, certified, per 100 pounds.....	220.00	224.00	221.00	221.00	260.00
Red clover, per 100 pounds.....	147.00	128.00	131.00	153.00	147.00
Lespedeza, Korean, per 100 pounds.....	85.70	115.00	92.50	72.20	67.60
Sudangrass, per 100 pounds.....	42.40	43.50	44.40	44.30	42.50
Timothy, per 100 pounds.....	69.60	63.30	74.70	99.80	126.00

<sup>1</sup> Prices paid by farmers are collected, for the most part, from retail establishments located in small cities and towns in rural areas.

<sup>2</sup> Family living surveys for food, clothing, and household furnishings were discontinued in 1977.

<sup>3</sup> Pine added to description in 1980.

<sup>4</sup> Latex added to description in 1980.

<sup>5</sup> G78-15 prior to 1981.

<sup>6</sup> 205-15, GR78-15 prior to 1980.

<sup>7</sup> Chevrolet Cavalier, Ford Tempo, Plymouth Acclaim, or comparable models.

<sup>8</sup> Chevrolet Celebrity, Ford Taurus, or comparable models.

<sup>9</sup> Chevrolet Caprice, Ford Crown Victoria, Buick LeSabre Limited, or comparable models.

<sup>10</sup> Coverage includes Ford and Chevrolet.

<sup>11</sup> Coverage includes Ford, Chevrolet, and Dodge.

<sup>12</sup> "Conventional size bales, under 200 lbs." added in 1976.

<sup>13</sup> Beginning Feb. 1985, changed to 6-inch blade.

<sup>14</sup> Prior to 1980, "Milk Pails."

<sup>15</sup> Prior to 1980, "manila rope, ½ in., per 100 ft."

<sup>16</sup> Discontinued.

<sup>17</sup> Specifications call for "complete feed."

National Agricultural Statistics Service.



Table 579.—Farm income: Cash receipts from farm marketings, by commodities or commodity groups, United States, 1974-88

Year	Cattle and calves	Hogs	Sheep and lambs	Dairy products	Chicken eggs	Broilers	Turkeys	Other poultry <sup>1</sup>	Other livestock and products <sup>2</sup>	Total livestock and products <sup>3</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1974	17,844	6,947	369	9,454	2,354	2,456	679	230	493	41,326
1975	17,520	7,916	386	9,923	2,814	2,953	794	250	534	43,089
1976	19,294	7,488	393	11,428	3,135	2,918	825	277	565	46,323
1977	20,225	7,281	386	11,752	2,919	3,103	910	280	778	47,635
1978	28,248	8,754	453	12,724	2,939	3,715	1,156	300	873	59,162
1979	35,025	9,058	470	14,642	3,329	4,026	1,216	352	1,117	69,236
1980	31,819	8,943	471	16,365	3,247	4,303	1,273	337	1,233	67,991
1981	29,538	9,794	416	18,095	3,648	4,646	1,248	407	1,358	69,151
1982	29,813	10,659	445	18,234	3,439	4,461	1,255	365	1,586	70,257
1983	28,682	9,785	426	18,763	3,451	4,873	1,269	388	1,801	69,438
1984	30,662	9,703	466	17,944	4,090	6,018	1,656	461	1,969	72,968
1985	29,057	9,029	503	18,063	3,252	5,680	1,819	459	1,982	69,845
1986	28,923	9,716	484	17,753	3,508	6,777	1,952	425	1,997	71,534
1987	33,444	10,288	543	17,710	3,178	6,176	1,703	424	2,252	75,717
1988 <sup>4</sup>	36,290	9,214	471	17,668	3,059	7,431	1,955	420	2,354	78,862

  

Year	Food grains	Feed crops	Cotton (lint and seed)	Oil-bearing crops	Tobacco	Fruits and tree nuts <sup>5</sup>	Vegetables <sup>6</sup>	Other crops <sup>7</sup>	Total crops <sup>3</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1974	8,581	13,935	2,893	9,963	2,097	3,441	5,336	4,820	51,065
1975	8,195	12,183	2,311	7,480	2,155	3,563	5,346	4,579	45,813
1976	7,112	13,127	3,477	9,443	2,310	3,714	5,231	4,619	49,032
1977	6,055	11,906	3,470	9,722	2,331	4,603	5,609	4,903	48,600
1978	5,839	11,427	3,538	13,023	2,604	5,764	6,127	4,876	53,198
1979	9,047	14,040	4,330	14,300	2,271	6,462	6,480	5,363	62,293
1980	10,402	18,308	4,447	15,493	2,672	6,557	7,307	6,560	71,746
1981	11,619	17,770	4,055	13,853	3,250	6,603	8,772	6,543	72,465
1982	11,412	17,409	4,457	13,817	3,342	6,846	8,063	6,993	72,338
1983	9,713	15,535	3,705	13,546	2,752	6,056	8,459	7,365	67,129
1984	9,740	15,668	3,674	13,641	2,813	6,733	9,138	8,065	69,471
1985	8,993	22,520	3,687	12,474	2,722	6,957	8,558	8,381	74,290
1986	5,638	17,161	3,605	10,571	1,918	7,246	8,826	9,041	64,005
1987	5,581	13,102	4,087	11,159	1,827	8,257	9,718	10,020	63,751
1988 <sup>4</sup>	7,700	15,291	4,668	13,699	2,039	8,877	9,819	10,476	72,569

<sup>1</sup> Farm chickens, ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs.<sup>2</sup> Wool, horses and mules, mohair, honey, beeswax, bees, goats, rabbits, and fur animals.<sup>3</sup> Components may not add due to rounding.<sup>4</sup> Preliminary.<sup>5</sup> Includes melons, 1945-48.<sup>6</sup> Includes melons, 1949 to date.<sup>7</sup> Sugar crops, floriculture and ornamentals, forest products, mushrooms, legume and grass seeds, hops, mint, broomcorn, popcorn, hemp fiber and seed, and flax fiber.

Economic Research Service.

## FOOTNOTES FOR TABLE 574

<sup>1</sup> Fresh market for noncitrus, and fresh market and processing for citrus.<sup>2</sup> Ratio of Index of Prices Received to the Parity Index; (Index of prices paid by farmers for commodities and services, interest, taxes, and farm wage rates).<sup>3</sup> Preliminary.

National Agricultural Statistics Service. These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been weighted by average quantities sold during 1971-73. (See table 577 for data on 1977=100 basis.)

Table 580.—Agricultural commodity support prices

Commodity and unit	1974 <sup>2</sup>	1975 <sup>3</sup>	1976 <sup>3</sup>	1977 <sup>3</sup>	1978 <sup>3</sup>	1979 <sup>3</sup>
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
<b>MANDATORY <sup>4</sup></b>						
<b>Basic commodities:</b>						
<b>Corn:</b>						
Support level..... bushel.....	1.38	1.38	1.57	2.00	2.10	2.20
Loan rate..... do.....	1.10	1.10	1.50	2.00	2.00	2.10
<b>Cotton:</b>						
<b>American upland: <sup>5</sup></b>						
Support level..... pound.....	.3800	.3800	.4320	.4780	.5200	.5770
Loan rate..... do.....	.2706	.3612	.3892	.4463	.4800	.5023
<b>Extra-long staple:</b>						
Support level..... do.....	.6058	.7410	.7475	.7670	.8320	.9295
Loan rate..... do.....	.4972	.6774	.7324	.7670	.8320	.9295
Peanuts..... do.....	.1830	.1972	.2070	.2153	<sup>6</sup> .2100	<sup>6</sup> .2100
<b>Rice:</b>						
Support level..... cwt.....			8.25	8.25	8.53	9.05
Loan rate..... cwt.....	7.54	8.52	6.19	6.19	6.40	6.79
<b>Wheat:</b>						
Support level..... bushel.....	2.05	2.05	2.29	<sup>7</sup> 2.90	3.40	3.40
Loan rate..... do.....	1.37	1.37	2.25	2.25	2.35	2.50
<b>Tobacco:</b>						
Flue-cured, types 11-14..... pound.....	.833	.932	1.060	1.138	1.210	1.293
Fire-cured, type 21..... do.....	.582	.652	.741	.795	.846	.903
Fire-cured, types 22-23..... do.....						
Burley, type 31..... do.....	.858	.961	1.092	1.173	1.247	1.333
Dark air-cured, types 35-36..... do.....	.518	.580	.659	.707	.752	.804
Virginia sun-cured, type 37..... do.....	.518	.580	.659	.707	.752	.804
Cigar filler, Puerto Rican, type 46..... do.....	.446	.499	.567	.609	.647	.692
Cigar binder, types 51-52..... do.....	.594	.665	.756	.812	.863	.923
Ohio filler and Wisconsin binder types 42-44 and 53-55..... do.....	.429	.480	.546	.586	.623	.667
<b>Nonbasic commodities:</b>						
Milk for manufacturing..... cwt.....	6.57	7.24	8.13	9.00	9.87	11.49
Honey, extracted..... pound.....	.206	.255	.294	.327	.368	.439
Mohair..... do.....	.802	.802	.802	1.498	1.647	1.943
Tung nuts..... ton.....	80.60	79.95	80.00			
Wool..... pound.....	.72	.72	.72	.99	1.08	1.15
<b>Barley: <sup>8</sup></b>						
Support level..... bushel.....	1.13	1.13	1.28	2.15	2.25	2.40
Loan rate..... do.....	.90	.90	1.22	1.63	1.63	1.71
<b>Sorghum grain: <sup>8</sup></b>						
Support level..... cwt.....	2.34	2.34	2.66	4.07	4.07	4.18
Loan rate..... cwt.....	1.88	1.88	2.55	3.39	3.39	3.57
<b>Oats: <sup>8</sup></b>						
Support level..... bushel.....			.72	1.03	1.03	1.08
Loan rate..... do.....	.54	.54	.72	1.03	1.03	1.08
Rye <sup>8</sup> ..... do.....	.89	.89	1.20	1.70	1.70	1.79
<b>NONMANDATORY</b>						
<b>Nonbasic commodities:</b>						
Beans, dry edible..... cwt.....	6.40	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Cottonseed <sup>10</sup> ..... ton.....	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Flaxseed..... bushel.....	2.50	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Soybeans..... do.....	2.25	( <sup>9</sup> )	2.50	3.50	4.50	4.50
Sugar, raw..... pound.....				.1350	.1473	.1300

<sup>1</sup> National averages during the marketing years for the individual crops, beginning in the years shown.

<sup>2</sup> Support level represents the average loan rate plus any direct price-support payment (or in the case of wheat the value of the domestic marketing certificate) received by participants in the program for the commodity. The basis of such payments varies among the crops and from year to year.

<sup>3</sup> Support level for 1974 through 1987 represents the statutory established price (the so-called target price) except for extra-long staple cotton which began in 1984.

<sup>4</sup> Commodities grouped under "Mandatory" are those which the Commodity Credit Corporation is required by law to support.

<sup>5</sup>  $1\frac{1}{2}$  strict low middling, micronaire 3.5 through 4.9.

per unit, United States, 1974-89 <sup>1</sup>

1980 <sup>3</sup>	1981 <sup>3</sup>	1982 <sup>3</sup>	1983 <sup>3</sup>	1984 <sup>3</sup>	1985 <sup>3</sup>	1986 <sup>3</sup>	1987 <sup>3</sup>	1988 <sup>3</sup>	1989 <sup>3</sup>
Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
2.35	2.40	2.70	2.86	3.03	3.03	3.03	3.03	2.93	2.84
2.25	2.40	2.55	2.65	2.55	2.55	1.92	1.82	1.77	1.65
.5840	.7087	.7100	.7600	.8100	.8100	.8100	.7940	.7590	73.40
.4800	.5246	.5708	.5500	.5500	.5730	.5500	.5225	.5180	50.00
.9350	.9900	.9989	.9625	.9900	1.0314	1.0248	.9770	.9570	.9670
.9350	.9900	.9989	.9625	.8250	.8595	.8540	.8140	.8092	.8177
*.2275	*.2275	*.2750	*.2750	*.2750	*.2795	*.3037	*.3037	*.3076	*.3079
9.49	10.68	10.85	11.40	11.90	11.90	11.90	11.66	11.15	10.80
7.12	8.01	8.14	8.14	8.00	8.00	7.20	6.84	6.63	6.50
3.63	3.81	4.05	4.30	4.38	4.38	4.38	4.38	4.23	4.10
3.00	3.20	3.55	3.65	3.30	3.30	2.40	2.28	2.21	2.06
1.415	1.587	1.699	1.699	1.699	1.699	1.438	1.435	1.442	1.468
.989	1.110	1.188	1.188	1.188	1.188	1.148	1.196	1.171	1.191
1.459	1.636	1.751	1.751	1.751	1.751	1.488	1.488	1.500	1.532
.880	.987	1.057	1.057	1.057	1.047	1.013	1.054	1.032	1.044
.880	.987	1.094	1.094	1.094	1.094	1.014	1.056	1.034	1.052
.757	.849	.909	.909	.740	.740	.750	.747	.731	.740
1.010	1.133	1.212	1.212	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
.729	.818	.907	.907	.907	.907	.877	.914	.895	.909
13.10	13.10	13.10	13.10	12.60	11.60	11.60	11.10	10.60	10.60
.503	.574	.604	.622	.658	.653	.640	<sup>12</sup> 6.10	.591	.5636
2.903	3.718	3.977	4.627	5.169	4.430	4.930	4.950	4.690	4.588
1.23	1.35	1.37	1.53	1.65	1.65	1.78	1.81	1.78	1.77
2.55	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.51	2.43
1.83	1.95	2.08	2.16	2.08	2.08	1.56	1.49	1.44	1.34
4.46	4.55	4.64	4.86	5.14	5.14	5.14	5.14	4.96	4.82
3.82	4.07	4.32	4.50	4.32	4.32	3.25	3.11	3.00	2.80
1.16	1.24	1.31	1.36	1.31	1.31	.99	.94	.90	.85
1.91	2.04	2.17	2.25	2.17	2.17	1.63	1.55	1.50	.....
( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
5.02	5.02	5.02	5.02	5.02	5.02	4.77	4.77	4.77	4.53
( <sup>9</sup> )	( <sup>9</sup> )	.1700	.1750	.1775	.1800	.1800	.1800	.1800	.1800

<sup>6</sup> For quota portion of crop.

<sup>7</sup> Target level for wheat planted within allotment was \$2.90; target level of \$2.47 for unplanted allotment acreage.

<sup>8</sup> Grade No. 2 or better except for oats which is Grade No. 3. Oats target or price support level began in 1982.

<sup>9</sup> No support program.

<sup>10</sup> For ginners purchases from producers, basis Grade 100, plus appropriate differentials to reflect ginners' normal handling costs.

<sup>11</sup> Beginning 1982 Fire cured types 22-23.

<sup>12</sup> Loan rate was reduced from 63 to 61 cents per pound on December 23, 1987, because of the Omnibus Budget Reconciliation Act of 1987.

n.a. not available.

Agricultural Stabilization and Conservation Service.

Table 581.—Farm income: Gross and net income from farming, United States, 1974-88

Year	Gross income									Production expenses	Net income of farm operators	
	Cash receipts			Nonmoney and other farm income					Total		Current dollars	1982/84 dollars
	Farm marketings <sup>1</sup>	Government payments	Total	Home consumption	Imputed rent	Other farm income <sup>2</sup>	Change in inventory	Total				
Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	
1974.....	92,391	530	92,921	1,190	4,942	805	-1,611	5,326	98,247	70,981	27,266	55,306
1975.....	88,902	807	89,709	1,129	5,355	998	3,399	10,881	100,590	75,043	25,547	47,485
1976.....	95,355	734	96,089	1,182	6,115	1,079	-1,548	6,828	102,917	82,741	20,176	35,459
1977.....	96,235	1,818	98,053	1,161	7,250	1,222	1,080	10,713	108,766	88,884	19,882	32,809
1978.....	112,360	3,030	115,390	1,215	8,057	1,893	1,892	13,057	128,447	103,250	25,197	38,646
1979.....	131,529	1,376	132,905	1,346	9,256	2,238	4,975	17,815	150,720	123,304	27,416	37,763
1980.....	139,737	1,285	141,022	1,233	11,045	2,273	-6,300	8,251	149,273	133,139	16,134	19,580
1981.....	141,616	1,933	143,549	1,214	12,597	2,475	6,488	22,774	166,323	139,444	26,879	29,570
1982.....	142,595	3,492	146,087	1,146	13,121	4,533	-1,382	17,418	163,505	139,980	23,525	24,378
1983.....	136,567	9,296	145,863	1,073	12,468	4,500	-10,851	7,190	153,053	140,377	12,676	12,727
1984.....	142,439	8,431	150,870	1,063	12,317	4,383	6,258	24,021	174,891	142,669	32,222	31,013
1985.....	144,135	7,705	151,840	927	10,917	5,042	-2,357	14,529	166,369	133,957	32,412	30,123
1986.....	135,539	11,814	147,353	888	9,745	5,120	-2,684	13,069	160,422	122,387	38,035	34,703
1987.....	139,468	16,747	156,215	836	9,143	5,808	-377	15,410	171,625	124,499	47,126	41,484
1988 <sup>3</sup> .....	151,431	14,480	165,911	810	9,507	5,668	-4,270	11,715	177,626	131,962	45,664	38,600

<sup>1</sup> Excludes forest product sales starting with 1978 data.<sup>2</sup> Includes forest product sales starting with 1978 data.<sup>3</sup> Preliminary.

Economic Research Service.

Table 582.—Farm income: Cash receipts from farming and value of home consumption, by States, 1988 (preliminary)

State	Cash receipts from farming				Value of home consumption <sup>1</sup>			Cash receipts from farming and value of home consumption	
	Farm marketings			Government payment	Total	Live-stock and products	Crops		Total
	Livestock and products	Crops	Total						
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	
AL.....	1,694,560	705,791	2,400,351	114,506	2,514,857	10,602	3,721	14,323	2,529,180
AK.....	9,835	20,405	30,240	1,760	32,000	613	49	662	3,236,662
AZ.....	792,549	1,166,914	1,959,463	77,834	2,037,297	3,992	615	4,607	2,041,904
AR.....	2,278,420	1,695,684	3,974,104	343,874	4,317,978	6,679	3,569	10,248	4,328,226
CA.....	4,703,771	11,894,486	16,598,257	335,078	16,933,335	18,565	5,922	24,487	16,957,822
CO.....	2,654,889	1,037,065	3,691,954	280,530	3,972,484	10,576	2,073	12,649	3,985,183
CT.....	179,885	202,181	382,066	2,858	384,924	2,032	281	2,313	387,237
DE.....	443,539	148,750	592,289	10,504	602,793	1,985	228	2,213	605,006
FL.....	1,113,968	4,696,862	5,810,830	32,034	5,842,864	4,799	3,037	7,836	5,850,700
GA.....	2,010,944	1,533,435	3,544,379	173,962	3,718,341	5,888	3,721	9,609	3,727,950
HI.....	88,620	478,999	567,619	396	568,015	2,619	324	2,953	570,968
ID.....	1,033,421	1,257,898	2,291,319	166,824	2,458,143	13,425	1,708	15,133	2,473,276
IL.....	2,243,482	4,217,511	6,460,993	1,373,972	7,834,965	29,148	6,302	35,450	7,870,415
IN.....	1,749,332	2,367,421	4,116,753	616,336	4,733,089	14,827	5,467	20,294	4,753,383
IA.....	5,045,066	4,028,911	9,073,977	1,664,991	10,738,968	23,032	8,124	31,156	10,770,124
KS.....	4,265,452	2,328,816	6,594,268	847,994	7,442,262	13,690	5,239	18,929	7,461,191
KY.....	1,538,117	992,083	2,530,200	160,878	2,691,078	22,408	7,517	29,925	2,721,003
LA.....	586,694	1,298,656	1,885,350	190,125	2,075,475	9,638	2,658	12,296	2,087,771
ME.....	216,074	187,997	404,071	7,319	411,390	3,476	592	4,068	415,458
MD.....	767,597	458,627	1,226,224	42,680	1,268,904	6,164	1,215	7,379	1,276,283
MA.....	104,984	297,393	402,377	2,798	405,175	2,211	463	2,674	407,849
MI.....	1,205,648	1,464,040	2,669,688	303,025	2,972,713	13,035	4,404	17,439	2,990,152
MN.....	3,364,197	2,742,529	6,106,726	1,035,939	7,142,665	29,280	7,137	36,417	7,179,082
MS.....	1,176,272	1,164,405	2,340,677	242,484	2,583,161	9,300	3,265	12,565	2,595,726
MO.....	2,011,358	1,814,258	3,825,616	456,892	4,282,508	31,054	8,580	39,634	4,322,142
MT.....	816,200	569,853	1,386,053	386,734	1,772,787	10,524	1,769	12,293	1,785,080
NE.....	5,336,206	2,642,503	7,978,709	1,091,521	9,070,230	14,920	4,176	19,096	9,089,326
NV.....	150,458	78,798	229,256	6,349	235,605	3,734	182	3,916	239,521
NH.....	60,372	76,627	136,999	1,949	138,948	1,749	251	2,000	140,948
NJ.....	191,868	450,381	642,249	10,833	653,082	1,939	562	2,501	655,583
NM.....	910,322	362,168	1,272,490	71,422	1,343,912	6,759	1,025	7,784	1,351,696
NY.....	1,781,169	823,954	2,605,123	86,787	2,691,910	15,097	3,037	18,134	2,710,044
NC.....	2,178,930	1,993,801	4,172,731	146,023	4,318,754	20,497	5,315	25,812	4,344,566
ND.....	849,282	1,573,590	2,422,872	715,068	3,137,940	9,814	2,468	12,282	3,150,222
OH.....	1,604,213	2,024,740	3,628,953	381,851	4,010,804	25,066	6,378	31,444	4,042,248
OK.....	2,283,804	1,126,590	3,410,394	288,406	3,698,800	23,025	5,239	28,264	3,727,064
OR.....	669,256	1,426,836	2,096,092	97,805	2,193,897	21,158	2,771	23,929	2,217,826
PA.....	2,348,291	935,404	3,283,695	64,920	3,348,615	29,863	4,252	34,120	3,382,735
RI.....	12,984	65,473	78,457	132	78,589	546	57	603	79,192
SC.....	488,083	590,307	1,078,390	76,942	1,155,332	7,532	2,012	9,544	1,164,876
SD.....	1,965,189	945,499	2,910,688	496,046	3,406,734	13,179	2,620	15,799	3,422,533
TN.....	1,080,386	965,275	2,045,661	140,388	2,186,049	22,154	7,137	29,291	2,215,340
TX.....	6,498,194	3,782,877	10,281,071	1,155,332	11,436,403	34,586	11,845	46,431	11,482,834
UT.....	536,967	150,453	687,420	38,378	725,798	5,346	1,010	6,356	732,154
VT.....	351,993	52,529	404,522	5,881	410,403	5,747	539	6,286	416,689
VA.....	1,293,943	591,990	1,885,933	64,277	1,950,210	13,985	3,721	17,706	1,967,916
WA.....	1,140,800	2,145,932	3,286,732	207,923	3,494,655	22,123	2,885	25,008	3,519,663
WV.....	178,642	69,757	248,399	12,167	260,566	8,569	1,557	10,126	270,692
WI.....	4,280,816	767,059	5,047,875	409,371	5,457,246	35,480	6,226	41,706	5,498,952
WY.....	574,706	155,500	730,206	37,710	767,916	4,063	661	4,724	772,640
US.....	78,861,748	72,569,013	151,430,761	14,479,808	165,910,569	646,498	163,916	810,414	166,720,983

<sup>1</sup> Value of farm products consumed directly in farm households where produced.  
Economic Research Service.

Table 583.—Expenses: Farm production expenses, United States, 1974-88

Year	Feed purchased	Livestock and poultry purchased	Seed purchased <sup>1</sup>	Fertilizer, lime, and pesticides	Petroleum fuel and oils <sup>2</sup>	Depreciation and other consumption of farm capital <sup>3</sup>	Contract and hired labor <sup>4</sup>	Taxes on farm property <sup>5</sup>	Interest on farm mortgage debt <sup>6</sup>	Net rent to non-operator landlords <sup>7</sup>	Miscellaneous <sup>8</sup>	Total production expenses
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1974....	14,513	5,131	1,941	7,566	2,690	10,540	6,075	3,096	2,833	4,102	12,493	70,980
1975....	12,907	4,954	2,138	8,443	3,318	12,354	6,586	3,193	3,317	4,024	13,809	75,043
1976....	14,370	5,884	2,866	8,576	3,966	13,778	7,510	3,491	3,785	3,465	15,551	82,742
1977....	13,967	7,072	2,484	8,467	4,256	15,493	7,953	3,660	4,329	3,412	17,691	88,885
1978....	16,036	10,150	2,638	9,276	4,609	16,963	8,279	3,603	5,060	3,963	22,672	103,249
1979....	19,314	13,012	2,904	10,805	5,635	19,345	8,981	3,871	6,190	6,182	27,066	123,305
1980....	20,971	10,670	3,220	13,080	7,879	21,474	9,293	3,891	7,544	6,075	29,092	133,139
1981....	20,855	8,999	3,428	13,610	8,570	23,573	8,931	4,246	9,142	6,184	31,906	139,444
1982....	18,592	9,684	3,172	12,300	7,888	24,287	10,075	4,036	10,481	6,059	33,405	139,978
1983....	21,725	8,814	2,993	11,221	7,503	23,878	9,725	4,469	10,815	5,060	34,179	140,375
1984....	19,852	9,498	3,448	12,196	7,143	23,105	9,729	4,059	10,733	8,640	34,266	142,669
1985....	18,015	8,953	3,350	12,252	6,584	20,847	9,799	4,231	9,878	8,158	31,884	133,957
1986....	16,179	9,744	2,984	10,271	4,790	18,918	9,890	4,125	9,131	6,737	29,618	122,389
1987....	16,898	11,845	3,009	10,198	4,442	17,364	10,821	4,345	8,187	7,060	30,330	124,499
1988 <sup>9</sup>	20,962	12,812	3,198	11,116	4,544	17,422	11,202	4,378	7,885	7,527	30,976	131,963

<sup>1</sup> Includes bulbs, plants, and trees. <sup>2</sup> For farm business use only. <sup>3</sup> Estimated outlay necessary, at current prices, for the replacement of capital equipment that has been used up during the year. <sup>4</sup> Includes contract labor expenses and hired labor cash wages, perquisites, and Social Security taxes paid by employers. <sup>5</sup> Includes taxes levied against farm real estate and farm personal property. <sup>6</sup> Interest charges payable during the calendar year on outstanding farm-mortgage debt. <sup>7</sup> Different data sources were used for the three time periods 1978 and previous years, 1979-1983, and 1984-1985. Estimates are not strictly compatible among the three periods. <sup>8</sup> For 1978 and later years, includes interest on nonreal estate debt; electricity; repairs and maintenance of farm buildings, motor vehicles, and other farm machinery; other land improvements; machine hire and custom work; marketing, storage and transportation of all crops, livestock, poultry and dairy products; other miscellaneous livestock purchases; livestock rental fees; health and breeding services and supplies, custom feeding and grazing; production fees; farm supplies; tools and shop equipment; net insurance; uninsured damages paid; motor vehicle registration and licensing fees; and other management expenses. Prior to 1978, includes interest on nonreal estate debt; electricity; repairs and maintenance of farm buildings, motor vehicles, and other farm machinery; other land improvements; machine hire and custom work; fruit and vegetable containers; cotton ginning; livestock marketing; milk hauling; binding materials; dairy supplies; net Federal Crop Insurance Corporation payments; greenhouse and nursery; grazing; harness and saddlery; small hand tools; telephones; veterinarian fees; dairy assessment fees; net insurance; motor vehicle registration and licensing fees; and other miscellaneous expenses. Estimates are not strictly compatible between the two periods. <sup>9</sup> Preliminary.

Economic Research Service.

Table 584.—Labor: Hours required for livestock and crop production, by enterprise groups, United States, 1974-86<sup>1</sup>

Year	Livestock and livestock products				Crops									
	All <sup>2</sup>	Meat animals <sup>3</sup>	Milk cows	Poultry <sup>4</sup>	All crops <sup>5</sup>	Feed grains <sup>6</sup>	Hay and forage <sup>7</sup>	Food grains <sup>8</sup>	Vegetables <sup>9</sup>	Fruits and nuts <sup>10</sup>	Sugar crops <sup>11</sup>	Cotton	To-bacco	Oil crops <sup>12</sup>
	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.
1974....	1,850	812	612	274	2,657	369	298	212	357	470	66	183	261	211
1975....	1,701	731	568	251	2,630	377	287	222	355	472	77	105	286	219
1976....	1,613	693	530	240	2,556	376	285	226	339	448	73	111	271	197
1977....	1,522	653	491	229	2,530	372	271	207	342	469	65	105	245	224
1978....	1,422	606	446	222	2,449	359	263	185	337	452	64	80	239	240
1979....	1,348	574	408	220	2,432	345	254	195	336	472	60	80	200	261
1980....	1,286	548	381	211	2,442	338	243	215	315	495	60	81	218	243
1981....	1,212	509	355	203	2,442	341	236	233	317	484	62	79	227	237
1982....	1,143	477	328	194	2,369	335	230	221	330	460	57	59	208	239
1983....	1,082	456	301	181	2,185	259	222	184	308	449	57	40	174	212
1984....	1,008	432	257	175	2,266	325	219	191	342	457	57	55	172	218
1985....	965	408	234	171	2,170	333	213	175	340	429	58	51	146	196
1986 <sup>13</sup>	911	384	217	167	2,074	304	206	163	325	429	61	45	123	188

<sup>1</sup> Does not include overhead labor hours. <sup>2</sup> Includes wool and minor livestock which are excluded from separate enterprises shown. <sup>3</sup> Cattle and calves, sheep and lambs, and hogs. <sup>4</sup> Chickens, broilers, and turkeys. <sup>5</sup> Includes hay seeds, pasture seeds, cover-crop seeds, and minor crops which are excluded from separate crops shown. <sup>6</sup> Corn for grain, oats, barley, and sorghum grain. <sup>7</sup> All hay, corn silage, and sorghum forage and silage. <sup>8</sup> All wheat, rye, and rice. <sup>9</sup> Potatoes, sweetpotatoes, dry edible beans, dry field peas, and truck crops. <sup>10</sup> Fruits, berries, and tree nuts. <sup>11</sup> Sugarbeets, sugarcane for sugar and seed, sugarcane sirup, and maple products. <sup>12</sup> Soybeans, peanuts, and flaxseed. <sup>13</sup> Series discontinued, last year of data.

Economic Research Service.

**Table 585.—Farm family income: Number of farm families and percentage distribution by size of total money income, United States, 1974-78 <sup>1</sup>**

Year	Number <sup>2</sup>	Less than \$1,000	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$4,999	\$5,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median income				
	Thousands	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Dollars				
1974.....	2,392		7.2		4.0		9.0		11.2		15.5	20.4	21.9	10.7	10,612
1975.....	2,200		5.5		3.9		10.9		9.9		16.2	19.9	22.2	11.4	10,845
1976.....	2,184		6.7		2.9		8.6		9.8		14.1	19.5	23.5	14.9	11,663
1977.....	2,172		8.3		2.2		7.8		9.3		11.5	19.0	24.2	17.8	12,637
1978.....	2,051		5.4		2.1		5.0		7.6		10.4	18.1	28.4	23.0	15,284

**Farm family income: Number of farm families and percentage distribution by size of total money income, United States, 1979-88 <sup>1</sup>**

Year	Number <sup>3</sup>	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$29,999	\$30,000 to \$39,999	\$40,000 or more	Median income
	Thousands	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Dollars
1979.....	1,667	5.0	5.6	8.0	8.5	18.7	14.4	11.0	8.4	9.8	10.6	16,351
1980.....	1,631	7.3	4.4	9.7	9.1	17.4	13.0	12.4	8.8	9.0	8.8	15,754
1981.....	1,598	9.4	4.3	6.3	7.0	17.8	12.4	13.6	8.0	10.6	10.6	17,082
1982.....	1,617	7.5	3.7	5.9	7.8	14.0	14.1	13.5	9.1	13.8	10.6	18,756
1983.....	1,558	7.8	3.9	5.7	5.8	16.3	13.5	12.0	8.9	11.9	14.2	18,925
1984.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
1985.....	1,562	7.3	3.1	3.7	5.9	13.6	12.1	9.4	10.5	15.4	19.0	21,853
1986.....	1,448	4.8	3.2	4.4	4.6	12.1	11.7	13.0	10.3	14.5	21.5	23,326
1987.....	1,428	2.4	2.0	2.9	3.6	11.4	11.1	14.3	10.7	15.1	26.5	26,016
1988.....												

<sup>1</sup> The term "family" refers to a group of two or more persons related by blood, marriage, or adoption and residing together; all such persons are considered as members of the same family. Thus, if the son of the head of the household and son's wife are in the household, they are treated as part of the head's family. Total money income includes net income from farm and nonfarm self-employment, wages and salaries, dividends and interest, Social Security and other pensions, and welfare.

<sup>2</sup> Number of families residing on farms. The term "farm" is the same as that used in the 1960 and 1970 censuses. Farm was defined as a place in rural territory, from which sales of farm products for the preceding year amounted to at least \$50 for 10 or more acres, or at least \$250 for less than 10 acres.

<sup>3</sup> Number of families residing on farms. The term "farm" is the same used in the 1980 census. Farm is defined as a place in rural territory with \$1000 or more in the sales of crops, livestock or other farm products during the preceding year.

\* Data not available from the Bureau of the Census.

Economic Research Service. Estimates are from the annual issue of *Money Income and Poverty Status of Families and Persons in the United States*. Bureau of the Census.

**Table 586.—Fertilizers: Quantities of commercial fertilizers consumed and their average primary plant-nutrient content, United States, 1973-85 <sup>1</sup>**

Year ending June 30	Mixed fertilizers				All fertilizers containing primary nutrients				Other fertilizers <sup>2</sup>
	Quantity	Nitrogen (N)	Available phosphoric oxide (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	Quantity	Nitrogen (N)	Available phosphoric oxide (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	Quantity
	1,000 tons	Percent	Percent	Percent	1,000 tons	Percent	Percent	Percent	1,000 tons
1973.....	22,547	10.21	18.79	12.76	41,822	19.83	12.16	11.12	1,466
1974.....	24,067	10.10	17.75	12.66	44,964	20.37	11.34	11.30	2,130
1975.....	20,647	10.16	17.99	12.50	40,606	21.18	11.10	10.97	1,878
1976.....	22,958	10.53	19.29	12.52	46,893	22.20	11.15	11.11	2,296
1977.....	24,099	10.58	19.87	12.78	49,099	21.69	11.47	11.88	2,525
1978.....	22,110	10.74	19.63	12.79	45,621	21.82	11.16	12.10	1,877
1979.....	23,742	10.84	20.09	12.84	49,342	21.72	11.36	12.66	2,139
1980.....	23,270	10.79	19.61	13.06	50,491	22.59	10.76	12.37	2,296
1981.....	23,525	10.99	20.13	12.75	51,761	23.04	10.50	12.21	2,227
1982.....	20,857	11.23	20.39	12.37	46,911	23.41	10.26	12.00	1,758
1983.....	18,352	11.52	19.96	12.30	40,203	22.70	10.29	12.02	1,610
1984.....	21,174	11.59	20.52	12.20	48,102	23.06	10.19	12.05	1,954
1985 <sup>3</sup> .....	19,501	11.80	21.18	11.43	47,179	24.38	9.84	11.68	1,829

<sup>1</sup> Includes Alaska, District of Columbia, Hawaii, and Puerto Rico. Includes fertilizers distributed by Government agencies.

<sup>2</sup> Products that do not contain primary nutrients. Includes gypsum, but not liming materials.

<sup>3</sup> Last year of series. Fertilizer consumption statistics discontinued.

National Agricultural Statistics Service.

**Table 587.—Pesticides: Inorganic materials for formulation or manufacture and shipments to agriculture, United States, 1978-87**

Item	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Used in pesticide formulation:										
Talc, soapstone, and pyrophyllite.....	Tons 40,000	Tons 46,000	Tons 39,000	Tons 42,000	Tons 26,000	Tons 17,000	Tons 22,000	Tons 19,000	Tons 18,000	Tons 12,000
Fuller's earth.....	181,008	199,296	180,594	184,218	167,537	153,589	216,423	256,812	163,989	175,217
Kaolin.....	33,052	46,056	48,834	80,661	29,945	17,678	42,281	67,229	20,778	40,804
Bentonite.....	4,755	4,190	5,945	3,378	5,097	7,788	6,802	1,132	5,377	13,680
Other clays.....	15,666	732	898	10,763	( <sup>1</sup> )	( <sup>1</sup> )	9,320	5,144	3,948	3,368
Used in manufacture:										
Mercury.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Shipments to agriculture:										
Copper sulfate.....	12,096	13,403	15,593	22,704	14,707	18,566	21,896	16,201	24,031	25,320
Zinc sulfate (dry basis)...	5,705	8,264	12,397	13,807	13,341	13,113	12,573	15,083	20,521	16,462

<sup>1</sup> Not available.

Agricultural Stabilization and Conservation Service. Based on data reported by the U.S. Department of the Interior.



**Table 588.—Pesticides (insecticides, fungicides, and weed killers): Production and foreign trade, United States, 1981-87**

Item	1981	1982	1983	1984	1985	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
<b>PRODUCTION</b>							
Copper sulfate .....	78,564	71,048	82,673	76,851	72,179	75,297	73,502
2,4-D acid.....	12,916	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other organic pesticides.....	1,417,159	1,112,798	1,016,544	1,189,169	1,234,914	1,180,042	1,039,537
<b>IMPORTS</b>							
Pyrethrum flowers .....	209	413	244	163	407	693	544
Pyrethrum extract.....	151	431	283	326	356	274	248
Rotenone-bearing roots.....	1,109	686	1,122	1,105	619	619	1,179
<b>EXPORTS</b>							
Fungicides <sup>2</sup> .....	79,422	83,258	81,360	102,960	101,086	104,088	101,824
2,4-D and 2,4,5-T, acid basis <sup>3</sup> .....	6,314	12,738	10,252	15,677	14,860	18,167	17,261
Other herbicides.....	213,954	209,987	217,602	277,340	378,972	272,848	305,322
DDT .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other polychlor insecticides.....	35,452	20,264	16,599	12,086	12,855	7,313	7,305
Organophosphorus insecticides.....	70,114	74,097	75,117	81,345	78,819	71,120	54,677
Other agricultural insecticides.....	87,859	83,702	77,021	95,067	87,728	83,141	71,336
Fumigants .....	14,368	13,550	15,254	15,812	22,244	16,812	22,858
Disinfectants, deodorants, and germicides.....	7,424	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Household and industrial insecticides, repellents, and rodenticides .....	5,903	5,438	5,482	5,276	4,524	7,418	5,943

<sup>1</sup> Not available.

<sup>2</sup> Includes copper sulfate and agricultural sulfur, which were previously listed separately.

<sup>3</sup> Preparations containing 2,4-D and 2,4,5-T included in "Other herbicides."

Agricultural Stabilization and Conservation Service. Based on data reported by the U.S. Department of Commerce, the International Trade Commission, and the U.S. Department of the Interior.

## CHAPTER X

# TAXES, INSURANCE, CREDIT, AND COOPERATIVES

The statistics in this chapter deal with taxes, insurance, agricultural credit, and farm cooperatives. Some of the series were developed in connection with research activities of the Department, while others, such as data from agricultural credit agencies, are primarily records of operations.

**Table 589.—Taxes levied on farm real estate: Amount, amount per acre, index numbers of amount per acre, United States, 1974-88**

Year	Farm real estate		
	Amount	Taxes per acre	
		Amount	Index
	<i>Million dollars</i>	<i>Dollars</i>	<i>1977=100</i>
1974.....	2,584.9	2.70	81
1975.....	2,634.8	2.90	87
1976.....	2,849.2	3.15	94
1977.....	3,016.4	3.34	100
1978.....	3,004.7	3.34	100
1979.....	3,215.0	3.58	107
1980.....	3,450.9	3.85	115
1981.....	3,695.5	4.12	123
1982.....	3,704.2	4.14	124
1983.....	3,858.2	4.33	130
1984.....	3,948.0	4.45	134
1985.....	4,012.6	4.55	137
1986.....	4,008.3	4.60	139
1987 <sup>1</sup> .....	4,310.1	4.97	150
1988 <sup>1</sup> .....	4,588.7	5.14	155

<sup>1</sup> Preliminary.

Economic Research Service.

Table 590.—Taxes levied on farm real estate: Amount levied on farm real estate, amount per acre, index numbers of amount per acre, and amount per \$100 of full value, by States, 1986 and 1987 <sup>1</sup>

State	Amount levied on farm real estate		Taxes per acre				Taxes per \$100 of full value	
	1986	1987	Amount		Index		1986	1987
			1986	1987	1986	1987		
	Million dollars	Million dollars	Dollars	Dollars	1977=100	1977=100	Dollars	Dollars
AL.....	11.7	11.8	1.15	1.16	202	204	0.15	0.16
AK.....	4	4	4.76	4.76	90	90	.49	.49
AZ.....	27.0	34.3	2.65	3.38	121	154	.60	.70
AR.....	36.0	37.3	2.64	2.79	144	152	.38	.44
CA.....	175.4	173.8	7.85	7.83	64	64	.48	.56
CO.....	58.0	58.5	1.97	2.00	145	147	.53	.59
CT.....	9.6	8.5	26.47	23.85	149	134	.71	.59
DE.....	1.4	1.2	2.45	2.15	122	107	.14	.12
FL.....	92.0	100.9	5.57	6.31	122	160	.43	.57
GA.....	60.1	60.9	4.41	4.57	154	160	.54	.54
HI.....	20.9	21.2	10.70	10.88	173	176	.72	.68
ID.....	28.6	41.1	3.51	3.84	126	138	.47	.62
IL.....	373.2	481.2	13.00	16.82	117	151	1.14	1.62
IN.....	160.5	158.5	9.83	9.52	193	187	.93	1.02
IA.....	320.0	348.3	9.75	10.68	110	120	1.16	1.43
KS.....	166.5	160.1	3.54	3.40	132	127	.91	1.00
KY.....	31.7	33.5	2.28	2.41	107	113	.26	.30
LA.....	21.6	20.4	2.47	2.40	175	170	.19	.33
ME.....	11.4	11.1	7.98	7.77	179	174	.80	.72
MD.....	21.2	21.0	8.95	9.03	135	136	.47	.49
MA.....	12.5	11.2	23.95	21.51	120	108	.87	.72
MI.....	239.0	295.8	24.02	28.22	212	253	2.57	3.45
MN.....	153.3	167.5	5.56	6.08	128	140	.91	1.23
MS.....	24.9	24.6	1.97	1.97	160	160	.26	.30
MO.....	81.9	81.0	2.32	2.30	101	102	.47	.51
MT.....	59.7	60.0	1.20	1.21	141	142	.56	.68
NE.....	283.4	309.3	6.41	7.00	133	200	1.72	2.04
NV.....	3.4	3.4	.57	.57	65	65	.26	.24
NH.....	6.8	7.1	13.59	14.26	193	203	.83	.80
NJ.....	23.5	24.7	28.15	31.36	152	169	.72	.59
NM.....	7.0	9.3	.23	.30	84	110	.16	.23
NY.....	146.3	128.1	18.44	16.34	132	161	2.24	1.75
NC.....	51.5	54.5	5.08	5.36	179	189	.45	.49
ND.....	96.5	85.6	2.42	2.15	137	122	.74	.74
OH.....	135.5	143.0	9.07	9.70	121	129	.90	1.03
OK.....	55.1	62.1	1.80	2.03	141	159	.38	.47
OR.....	67.6	73.0	4.13	4.46	130	140	.74	.87
PA.....	96.5	96.7	13.44	13.47	168	168	.93	.78
RI.....	2.7	2.5	44.54	41.93	195	184	1.15	.99
SC.....	14.1	13.3	2.84	2.80	152	150	.33	.35
SD.....	109.7	106.3	2.87	2.79	149	145	1.21	1.41
TN.....	49.3	50.0	4.09	4.25	158	164	.41	.42
TX.....	240.0	302.4	1.90	2.41	144	183	.35	.50
UT.....	13.6	11.1	2.06	1.69	136	112	.32	.28
VT.....	16.8	17.6	11.44	11.99	178	187	.97	.93
VA.....	44.9	46.0	5.05	5.17	160	164	.44	.47
WA.....	58.4	63.5	4.43	4.82	121	132	.49	.60
WV.....	2.9	3.0	.94	.98	132	138	.17	.19
WI.....	257.0	270.0	16.03	16.84	136	195	2.26	2.69
WY.....	17.2	17.6	.69	.71	134	138	.37	.38
US.....	4,008.3	4,310.1	4.60	4.97	139	150	.73	.86

<sup>1</sup> Totals may not add due to rounding. Data previously published Agricultural Statistics for 1983-1986 were projections. 1987 data are preliminary.  
Economic Research Service.

Table 591.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948-88

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cy-clone, tornado, wind, hot wind	In-sects	Dis-ease	All others
		Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Almonds.....	1981-88	1	2	45	47		2			2
Apples.....	1956-88	6	24		63		3			5
Barley.....	1956-88	69	9	7	3		2	8		2
Bean, dry edible.....	1948-88	21	26	19	16	3	3	1	9	1
Cherry, red tart.....	1963-88		8		89		3			
Citrus.....	1951-88	1	1		96		2			
Corn.....	1948-88	72	7	10	4	2	3	1	1	1
Cotton.....	1948-88	38	18	22	12	1	5	3	1	1
Cotton, ELS.....	1985-88		16	12		72				
Cranberries.....	1984-88	33	4	16	36			1	3	8
Citrus trees.....	1983-88				100					
Flax.....	1948-88	44	8	23	7	1	7	2	3	5
Forage production.....	1979-88	40		23	29			2	2	4
Forage seeding.....	1978-88	67	1	11	11		2	5		3
Fresh sweet corn.....	1986-88				89		10			
Fresh tomato.....	1984-88	1	2	6	78	0	13			1
Grain sorghum.....	1959-88	51	6	15	13	2	5	6		2
Grape.....	1967-88	15	5	28	45	1	4			1
Hybrid seed.....	1983-88	92	1	4	1		1	1	1	1
Oat.....	1956-88	64	11	12	5		3	2		
Pea, dry and green.....	1962-88	47	7	16	18		10		1	1
Peach.....	1957-88	2	15		82					1
Peach, canning.....	1985-88	4		92						4
Peanut.....	1962-88	74		13	4		2		7	
Peppers.....	1984-88		1	7	86		5			1
Popcorn.....	1984-88	40	16	10	20	7	6	1	0	1
Potato.....	1962-88	33	5	23	18	8	6	1	5	1
Prevented planting.....	1982-88			97						3
Prunes.....	1985-88	10	1	56	16		9			8
Raisin.....	1961-88			100						
Rice.....	1958-88	13		29	5	2	16		20	14
Rye.....	1980-88	65	14	9	7	2	1			1
Safflower.....	1964-88	88	2					8		1
Soybean.....	1955-88	66	4	22	1	2	2			1
Sugarbeet.....	1965-88	33	4	16	13	7	11	2	11	1
Sugarcane.....	1967-88	5		15	62		5	11	2	
Sunflower.....	1976-88	39	12	10	25		4	6		2
Sweet corn.....	1978-88	81	2	12	3		1		1	1
Table grapes.....	1984-88	36	3	37	8		6		1	9
Tobacco.....	1948-88	44	14	22	2	1	7		8	2
Tomato.....	1963-88	45	1	38	9	1	2		4	
Tung nut.....	1965-70				100					
Walnuts.....	1984-88	9	1	41	46		1			1
Wheat.....	1948-88	60	11	8	8	1	4	3	3	1
All crops.....	1948-88	57	8	16	9	1	3	2	2	1

Federal Crop Insurance Corporation.

Table 592.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1986-88 <sup>1</sup>

Commodity and year	Coverage				Amount of premium  1,000 dollars	Indemnities		
	County programs	Insured units <sup>2</sup>	Area insured <sup>3</sup>	Maximum insured production		Number	Area indemnified <sup>3</sup>	Amount
<b>Almonds:</b>								
1986	18	764	52	37,127	2,489	1,368	42	14,146
1987	18	1,293	77	73,515	4,858	66	2	668
1988	18	1,562	91	95,161	5,957	382	11	5,638
<b>Apple:</b>								
1986	131	1,141	32	41,413	3,775	1,270	19	9,574
1987	131	1,565	42	51,344	4,865	654	10	4,314
1988	159	1,661	47	63,243	5,854	1,526	18	12,919
<b>Barley:</b>								
1986	2,620	46,526	3,367	171,543	13,587	32,284	908	25,079
1987	2,620	46,185	2,837	127,071	9,632	21,032	532	11,835
1988	2,620	55,913	3,197	146,450	12,637	99,968	1,072	60,610
<b>Bean, dry edible:</b>								
1986	215	7,175	402	62,208	5,224	3,152	94	6,868
1987	236	10,325	587	87,504	7,021	7,214	158	13,132
1988	272	10,585	505	65,667	5,378	7,386	60	10,337
<b>Bean, Cannira:</b>								
1988	103	129	11	2,199	184	138	4	440
<b>Citrus:</b>								
1986	35	1,986	57	31,238	2,801	874	11	1,592
1987	43	2,260	55	31,929	2,715	164	1	376
1988	43	2,247	53	36,394	2,992	282	3	1,013
<b>Citrus tree:</b>								
1986	3	1,548	15	14,340	660	4	( <sup>5</sup> )	58
1987	3	1,611	17	26,319	1,083	0	0	0
1988	3	2,149	19	32,962	1,351	0	0	0
<b>Combined crop: <sup>4</sup></b>								
1986	5	894	107	6,754	199	246	( <sup>5</sup> )	230
1987	5	754	84	4,425	129	150	( <sup>5</sup> )	135
<b>Corn:</b>								
1986	2,850	229,265	11,981	1,907,798	100,372	75,910	1,456	82,965
1987	2,850	239,299	11,441	1,598,208	79,817	60,292	1,008	47,076
1988	2,849	261,692	12,842	1,811,693	94,124	261,166	3,086	300,527
<b>Cotton:</b>								
1986	691	24,129	1,722	212,576	22,561	28,630	998	63,211
1987	692	31,818	2,332	272,956	28,968	8,964	279	14,047
1988	690	33,095	2,657	368,744	44,589	18,376	512	39,321
<b>Cotton ELS:</b>								
1986	12	32	2	1,081	85	2	( <sup>5</sup> )	( <sup>5</sup> )
1987	12	22	1	665	45	8	( <sup>5</sup> )	60
1988	12	19	2	1,210	83	4	( <sup>5</sup> )	47
<b>Cranberries:</b>								
1986	11	66	2	12,705	389	32	( <sup>5</sup> )	533
1987	11	92	4	19,772	577	46	1	438
1988	32	100	4	22,609	639	16	( <sup>5</sup> )	556
<b>Figs:</b>								
1988	4	66	3	1,980	181	12	1	181
<b>Flax:</b>								
1986	118	2,809	114	4,474	510	1,592	29	671
1987	119	2,434	85	3,181	370	1,174	18	341
1988	119	1,662	59	2,045	240	2,808	20	1,095
<b>Forage</b>								
1986	20	10	( <sup>5</sup> )	29	2	0	0	0
1987	20	8	( <sup>5</sup> )	29	2	0	0	0
1988	26	35	3	693	35	48	1	92
<b>Forage seeding:</b>								
1986	8	66	1	50	4	32	( <sup>5</sup> )	7
1987	21	62	1	55	4	16	( <sup>5</sup> )	4
1988	21	37	1	33	2	30	( <sup>5</sup> )	7
<b>Fresh Sweet</b>								
<b>Corn:</b>								
1986	1	158	17	7,382	411	130	5	657
1987	1	198	19	7,671	415	68	3	566
1988	2	312	22	9,049	501	122	3	617
<b>Fresh Tomato:</b>								
1986	13	328	22	52,446	3,861	140	5	5,024
1987	26	520	29	68,799	6,311	248	7	3,142
1988	26	361	18	42,241	4,548	76	1	1,044
<b>Grain sorghum:</b>								
1986	2,471	45,094	2,297	173,270	13,828	25,708	775	25,986
1987	2,471	38,637	1,583	108,532	8,312	14,342	325	9,047
1988	2,468	35,946	1,407	96,927	7,605	18,814	256	10,473

See footnotes at end of table.

Table 592.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1986-88 <sup>1</sup>—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units <sup>2</sup>	Area insured <sup>3</sup>	Maximum insured production		Number	Area indemnified <sup>3</sup>	Amount
	Number	Number	1,000 acres	1,000 dollars	1,000 dollars		1,000 acres	1,000 dollars
Grape:								
1986	60	1,194	42	22,659	1,610	544	8	1,174
1987	60	1,250	46	31,094	2,198	330	5	859
1988	66	1,272	44	34,068	2,448	246	2	432
Hybrid seed:								
1986	398	6,310	253	96,891	6,741	1,980	35	4,760
1987	398	4,599	182	69,915	4,793	1,884	36	4,545
1988	410	6,456	266	101,055	6,893	10,330	169	35,667
Hybrid sorghum seed:								
1988	12	37	3	702	97	40	2	229
Macadamia nuts:								
1988	4	7	1	2,631	37	0	0	0
Macadamia trees:								
1988	4	77	1	11,727	164	0	0	0
Oat:								
1986	2,532	7,436	225	8,551	771	4,440	63	1,333
1987	2,532	9,147	265	8,606	740	4,948	63	990
1988	2,532	14,303	558	16,798	1,736	25,158	283	9,783
Onion:								
1988	51	124	7	4,603	304	198	2	724
Pea, dry green:								
1986	150	1,524	83	11,320	895	600	17	723
1987	153	1,795	100	13,086	1,050	610	12	579
1988	161	3,330	159	20,143	1,716	3,536	54	3,089
Peach:								
1986	72	747	36	13,404	1,503	896	18	3,647
1987	72	751	35	13,864	1,631	860	15	3,569
1988	96	780	36	14,237	1,587	652	15	3,696
Peaches, canning:								
1986	10	131	5	7,880	605	76	1	561
1987	10	69	2	3,173	223	10	( <sup>5</sup> )	21
Peanut:								
1986	271	20,906	650	311,158	16,248	16,792	259	45,667
1987	278	23,624	796	413,512	21,074	23,068	315	47,799
1988	278	25,943	906	455,102	22,853	19,688	298	34,424
Pepper:								
1986	10	150	7	13,630	1,291	90	2	1,923
1987	10	94	5	10,160	952	12	( <sup>5</sup> )	198
1988	10	72	3	7,109	675	16	( <sup>5</sup> )	409
Popcorn:								
1986	119	363	29	5,028	241	280	7	475
1987	175	652	42	7,745	418	156	4	248
1988	184	905	43	6,837	458	776	10	1,256
Potato:								
1986	187	1,387	109	67,669	3,312	1,136	33	10,140
1987	211	1,759	159	105,941	5,626	1,322	45	13,668
1988	237	2,410	200	129,298	6,711	2,482	36	19,295
Prevented plant:								
1986	10	153	38	1,351	41	102	5	217
1987	5	5	1	24	1			0
Prunes:								
1986	13	87	7	7,551	489	146	5	3,414
1987	13	163	12	10,959	702	18	1	121
1988	13	180	12	10,997	693	148	4	1,395
Raisin:								
1986	7	2,979	* 174	74,688	6,520	120	2	369
1987	7	3,407	* 209	101,116	8,866	0	0	0
1988	7	3,556	222	119,188	10,211	0	0	0
Rice:								
1986	165	1,524	159	36,313	1,042	950	40	2,913
1987	165	3,281	295	60,713	1,761	1,750	69	4,752
1988	165	4,080	473	97,644	2,869	2,354	117	7,532
Rye:								
1986	36	88	4	142	14	24	1	10
1987	36	88	5	147	13	28	1	10
1988	36	125	6	166	17	180	2	62
Safflower:								
1987	40	346	22	524	68	162	5	67
1988	40	469	25	657	87	760	10	347
Soybean:								
1986	1,868	183,145	9,741	1,067,345	72,272	108,474	2,977	147,569
1987	1,868	202,740	11,042	1,165,804	75,987	97,842	2,693	100,298
1988	1,879	225,928	11,513	1,192,198	80,798	200,324	3,070	155,770
Stonefruit:								
1988	16	122	4	5,261	406	46	1	528
Sugarbeet:								
1986	145	2,334	155	56,716	2,660	930	25	2,840
1987	143	3,246	239	98,515	4,519	1,196	29	2,898
1988	145	5,636	341	145,209	6,363	7,272	48	12,892
Sugarcane:								
1986	23	173	23	9,835	627	28	1	117
1987	23	125	22	9,811	541	14	1	132
1988	23	146	20	9,133	490	18	1	37

See footnotes at end of table.

**Table 592.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1986-88 <sup>1</sup>—Continued**

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units <sup>2</sup>	Area insured <sup>3</sup>	Maximum insured production		Number	Area indemnified <sup>4</sup>	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>1,000 dollars</i>
<b>Sunflower:</b>								
1986 .....	165	10,494	648	41,232	3,477	6,378	192	5,472
1987 .....	169	11,112	673	33,513	2,788	2,190	59	1,526
1988 .....	194	14,654	886	44,001	3,902	13,524	102	8,656
<b>Sweet Corn:</b>								
1986 .....	159	524	24	4,500	285	136	2	146
1987 .....	176	757	39	7,145	448	120	3	225
1988 .....	189	2,477	112	19,578	1,122	1,810	30	1,957
<b>Table Grape:</b>								
1986 .....	10	209	9	12,684	1,031	114	2	897
1987 .....	10	165	7	9,338	765	66	1	274
1988 .....	10	128	5	7,517	568	26	( <sup>5</sup> )	350
<b>Tobacco:</b>								
1986 .....	489	63,056	217	463,155	13,704	14,660	39	23,701
1987 .....	494	65,959	225	517,903	14,894	15,886	25	22,754
1988 .....	495	63,382	266	592,075	16,935	8,624	21	15,400
<b>Tomato:</b>								
1986 .....	65	818	59	56,339	3,909	290	6	2,052
1987 .....	74	749	51	48,381	3,135	178	4	971
1988 .....	84	905	60	58,375	3,718	320	13	2,617
<b>Walnut:</b>								
1986 .....	29	57	3	2,005	108	52	2	322
1987 .....	29	59	3	2,118	116	8	( <sup>5</sup> )	18
1988 .....	29	57	3	1,870	96	16	( <sup>5</sup> )	24
<b>Wheat:</b>								
1986 .....	2,849	187,359	15,741	1,088,497	69,216	126,374	3,869	118,017
1987 .....	2,849	190,473	15,456	852,407	56,217	90,458	2,631	57,988
1988 .....	2,849	243,145	18,456	1,050,888	75,439	372,528	4,897	296,437
<b>Total, all commodities:</b>								
1986 .....	19,064	855,134	48,631	6,216,977	379,370	456,986	11,953	615,062
1987 .....	19,279	903,498	49,127	6,077,489	364,650	357,554	8,362	369,691
1988 .....	19,686	1,028,207	55,572	6,958,367	436,293	1,082,226	14,235	1,057,925

<sup>1</sup> Data for 1988 are preliminary.

<sup>2</sup> Number of farms on which the insured crop was planted including duplication where both the landlord and tenant are insured. Insured farms on which no insured crop was planted are not included.

<sup>3</sup> The insured's share of the planted area on the farm.

<sup>4</sup> Includes a combination of commodities varying by counties.

<sup>5</sup> Less than 500 acres.

<sup>6</sup> Thousands of tons insured for raisins (not included in total of all commodities).

n.a. not available.

Federal Crop Insurance Corporation.

Canning Peaches, Combined Crop and Prevented Planting discontinued after 1987.

**Table 593.—Farm real estate debt: Amount outstanding by farming regions, Dec. 31, 1973-88<sup>1</sup>**

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	2,099,783	3,911,437	8,880,393	4,194,115	2,846,204	2,872,470
1974.....	2,401,636	4,382,574	9,959,599	4,672,578	3,293,116	3,867,041
1975.....	2,617,094	4,785,059	11,143,474	5,245,892	3,730,799	3,806,246
1976.....	2,778,693	5,392,578	12,770,539	6,042,629	4,084,187	4,063,345
1977.....	3,070,146	6,385,341	15,274,768	7,171,902	4,599,753	4,567,935
1978.....	3,361,661	7,457,469	17,907,192	8,120,333	5,146,741	5,096,946
1979.....	4,043,785	9,089,732	21,442,912	9,686,622	6,233,217	5,937,062
1980.....	4,488,821	10,417,609	24,172,820	10,969,905	7,002,986	6,667,999
1981.....	4,802,334	11,656,068	26,494,864	12,149,225	7,599,092	7,416,770
1982.....	4,999,752	12,138,637	27,224,547	12,695,795	7,884,971	7,654,829
1983.....	5,055,098	12,548,241	27,481,721	12,927,837	7,954,741	7,768,451
1984.....	4,829,869	12,465,632	26,862,422	12,799,494	771,505	7,736,521
1985.....	4,589,982	11,738,512	24,902,363	11,896,287	358,756	7,347,741
1986.....	4,197,837	10,419,615	22,245,000	10,670,275	675,866	6,731,941
1987.....	4,003,223	9,380,812	20,041,161	9,612,181	53,289	6,384,724
1988 <sup>2</sup> .....	3,966,309	8,732,609	18,980,187	9,084,305	6,261,632	6,050,562

  

Year	Delta States	Southern Plains	Mountain	Pacific	United States <sup>3</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	2,405,756	4,027,589	3,856,558	4,645,050	39,805,831
1974.....	2,654,726	4,520,170	4,335,842	5,312,850	44,922,198
1975.....	2,845,302	4,923,192	4,869,871	5,812,980	49,852,886
1976.....	3,092,337	5,240,169	5,493,270	6,438,106	55,411,913
1977.....	3,496,409	5,744,756	6,217,186	7,328,901	63,949,369
1978.....	3,912,669	6,354,335	6,942,009	8,356,809	72,756,475
1979.....	4,791,295	7,292,675	8,197,719	9,913,739	86,754,557
1980.....	5,373,503	7,945,855	9,500,127	11,165,948	97,486,994
1981.....	5,962,193	8,483,570	9,898,009	12,613,498	107,230,492
1982.....	6,222,484	8,829,836	10,169,210	13,308,123	111,312,040
1983.....	6,255,182	9,205,745	10,415,701	13,879,888	113,721,549
1984.....	6,113,480	9,296,911	10,266,745	13,885,375	303,439
1985.....	5,608,762	9,176,682	9,692,807	13,199,941	739,201
1986.....	4,949,332	8,527,166	8,783,451	12,398,731	879,801
1987.....	4,552,288	7,873,394	7,873,954	11,424,246	87,717,604
1988 <sup>2</sup> .....	4,177,621	7,216,878	7,323,254	10,898,661	82,952,522

<sup>1</sup> Includes operator households. Data for 1972-1987 were revised in 1987 to include Commodity Credit Corporation storage and drying facility loans. States included in regions are as follows: Northeast—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, and Maryland; Lake States—Michigan, Wisconsin, and Minnesota; Corn Belt—Ohio, Indiana, Illinois, Iowa, and Missouri; Northern Plains—North Dakota, South Dakota, Nebraska, and Kansas; Appalachian—Virginia, West Virginia, North Carolina, Kentucky, and Tennessee; Southeast—South Carolina, Georgia, Florida, and Alabama; Delta States—Mississippi, Arkansas, and Louisiana; Southern Plains—Oklahoma and Texas; Mountain—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada; Pacific—Washington, Oregon, and California. <sup>2</sup> Preliminary. <sup>3</sup> Includes Alaska and Hawaii.

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**Table 594.—Farm real estate debt: Amount outstanding by lender, United States, Dec. 31, 1973-88**

Year	Federal land banks <sup>1</sup>	Farmers Home Administration <sup>2</sup>	Life insurance companies <sup>3</sup>	All operating banks <sup>4</sup>	Individuals and others <sup>5</sup>	CCC storage and drying facility	Total farm mortgage debt
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	10,901,352	3,013,440	5,964,800	5,458,278	14,190,000	277,963	39,805,831
1974.....	13,469,950	3,214,857	6,297,400	5,966,282	15,757,000	216,909	44,922,198
1975.....	16,029,465	3,363,747	6,726,000	6,296,286	17,262,000	170,387	49,852,886
1976.....	18,565,304	3,657,487	7,400,200	6,781,410	18,864,000	143,592	55,411,913
1977.....	21,540,898	3,982,054	8,519,400	7,780,261	21,335,000	491,756	63,949,369
1978.....	24,816,128	4,121,000	10,478,200	8,556,539	23,638,000	1,147,611	72,756,475
1979.....	29,819,632	6,875,481	12,165,300	8,623,281	27,880,000	1,390,863	86,754,557
1980.....	36,196,104	8,163,270	12,927,800	8,563,457	30,180,000	1,450,359	97,486,994
1981.....	43,825,201	8,876,989	13,073,300	8,342,245	31,770,000	1,342,159	107,230,492
1982.....	47,821,594	9,169,874	12,801,546	8,391,800	32,000,000	1,127,227	111,312,040
1983.....	48,929,289	9,549,631	12,717,600	9,317,100	32,320,000	887,935	113,721,549
1984.....	49,077,803	10,073,213	12,443,320	10,186,133	29,900,000	623,093	112,303,442
1985.....	44,583,842	10,426,971	11,336,400	11,384,920	27,200,000	307,088	105,739,201
1986.....	37,757,626	10,348,597	10,940,200	12,710,650	24,000,000	122,726	95,879,799
1987.....	32,637,687	10,083,239	9,895,800	14,455,162	20,600,000	45,713	87,717,601
1988 <sup>6</sup> .....	30,326,707	9,606,796	9,581,700	15,416,700	18,000,000	20,615	82,952,518

See footnotes on page 427.



Table 595.—Farm real estate debt: Amount outstanding, by States, Dec. 31, 1970, 1980, 1985, 1986, 1987, and 1988 <sup>1</sup>

State	1970	1980	1985	1986	1987	1988 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	417,923	1,241,479	1,312,214	1,104,074	974,483	898,942
AK.....	2,619	25,872	32,382	25,499	20,720	22,230
AZ.....	301,824	655,778	680,588	705,171	672,635	671,680
AR.....	743,015	1,967,032	2,061,787	1,900,835	1,766,932	1,665,883
CA.....	2,451,999	7,239,041	8,867,224	8,223,854	7,673,022	7,353,564
CO.....	682,274	2,236,462	2,374,428	2,098,655	1,833,025	1,743,229
CT.....	41,255	114,192	122,871	101,468	94,983	122,665
DE.....	42,108	141,693	147,882	144,520	151,492	155,529
FL.....	647,169	2,333,652	2,892,501	2,730,643	2,614,918	2,650,370
GA.....	632,776	2,273,187	2,225,092	2,002,795	1,976,609	1,848,267
HI.....	23,026	123,295	259,984	255,086	247,609	238,287
ID.....	619,135	1,797,200	1,940,801	1,762,702	1,566,671	1,430,125
IL.....	1,551,230	5,714,603	6,036,090	5,441,611	4,951,285	4,687,471
IN.....	1,127,888	4,247,972	4,262,819	3,813,561	3,429,739	3,262,396
IA.....	2,277,513	7,840,195	8,105,290	7,159,868	6,343,940	5,911,662
KS.....	1,066,214	3,291,184	3,517,074	3,045,806	2,767,861	2,669,913
KY.....	625,388	2,151,096	2,180,407	2,027,605	1,902,613	1,829,775
LA.....	479,020	1,565,065	1,519,863	1,245,582	1,123,486	991,126
ME.....	63,347	169,591	164,687	149,404	139,461	133,461
MD <sup>3</sup> .....	240,397	652,826	683,457	617,210	578,749	569,674
MA.....	41,209	96,059	102,153	122,305	87,730	89,450
MI.....	700,584	2,095,943	2,521,200	2,219,569	1,955,639	1,787,974
MN.....	1,377,542	5,005,871	5,423,034	4,850,323	4,331,465	4,031,658
MS.....	651,850	1,841,406	2,022,112	1,802,915	1,661,870	1,520,612
MO.....	1,077,082	3,563,856	3,724,851	3,343,397	3,084,068	2,952,225
MT.....	661,862	2,264,995	2,423,791	2,187,384	1,953,031	1,769,631
NE.....	1,149,962	3,784,748	4,001,414	3,662,535	3,287,867	3,103,169
NV.....	85,464	280,952	303,535	290,791	248,447	209,560
NH.....	19,072	56,108	49,205	44,617	39,317	38,176
NJ.....	120,634	315,152	312,931	274,763	255,375	253,461
NM.....	287,598	717,776	732,792	693,848	677,472	641,479
NY.....	431,635	1,216,789	1,224,560	1,102,142	1,045,431	1,013,904
NC.....	474,859	1,884,791	2,165,444	1,876,175	1,790,595	1,649,438
ND.....	549,263	1,965,647	2,318,623	2,130,523	1,943,685	1,820,962
OH.....	889,971	2,806,194	2,773,313	2,486,563	2,232,129	2,166,433
OK.....	805,052	2,421,534	2,690,247	2,455,783	2,194,954	2,074,170
OR.....	552,721	1,979,220	2,095,315	2,157,837	1,911,788	1,876,857
PA.....	428,045	1,513,069	1,544,715	1,416,308	1,401,341	1,376,585
RI.....	3,661	11,324	17,602	14,049	15,275	16,728
SC.....	224,699	819,681	917,934	894,429	768,714	652,983
SD.....	593,656	1,918,326	2,059,176	1,831,411	1,612,768	1,450,261
TN.....	570,928	1,583,294	1,508,586	1,371,526	1,279,863	1,229,974
TX.....	2,327,518	5,524,321	6,486,435	6,071,383	5,678,440	5,142,708
UT.....	143,625	552,503	602,346	534,202	480,132	461,809
VT.....	81,961	202,018	219,939	211,051	194,069	196,676
VA.....	366,935	1,149,283	1,246,638	1,161,074	1,131,339	1,210,053
WA.....	619,361	1,947,687	2,237,402	2,017,040	1,839,436	1,668,240
WV.....	74,743	234,522	257,681	239,486	248,879	342,392
WI.....	903,426	3,315,795	3,794,278	3,349,723	3,093,708	2,912,977
WY.....	241,318	644,461	574,526	510,698	442,541	395,753
US.....	30,638,631	97,486,994	105,739,201	95,879,801	87,717,604	82,952,522

<sup>1</sup> Includes operator households. Includes Commodity Credit Corporation storage and drying facility loans.<sup>2</sup> Preliminary.<sup>3</sup> Includes District of Columbia.

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## FOOTNOTES FOR TABLE 594

<sup>1</sup> Includes operator households. Includes regular mortgages, purchase-money mortgages, and sales contracts.<sup>2</sup> Includes farm ownership loans, soil and water loans to individuals, rural and labor housing loans on farms and association loans for grazing, and for Indian tribe land acquisition.<sup>3</sup> Compiled by American Council of Life Insurance.<sup>4</sup> Includes all operating commercial, savings, and private banks.<sup>5</sup> Estimated by ERS.<sup>6</sup> Preliminary.

Economic Research Service.

**Table 596.—Farm real estate debt: Amount outstanding by lender, by States, Dec. 31, 1987 and 1988 <sup>1</sup>**

State	Federal land banks <sup>2</sup>		Life insurance companies <sup>3</sup>		Farmers Home Administration <sup>5</sup>		All operating banks		Individuals and others <sup>6</sup>	
	1987 <sup>4</sup>	1988 <sup>4</sup>	1987 <sup>4</sup>	1988 <sup>4</sup>	1987 <sup>4</sup>	1988 <sup>4</sup>	1987 <sup>4</sup>	1988 <sup>4</sup>	1987 <sup>4</sup>	1988 <sup>4</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	441,594	395,747	68,800	57,700	133,426	123,380	187,141	197,039	143,522	125,076
AK.....	8,542	7,975	4,200	6,500	594	578	1,864	2,354	5,520	4,823
AZ.....	143,723	134,298	156,200	162,600	71,590	67,419	136,460	163,479	164,622	143,872
AR.....	526,286	476,265	282,200	274,100	338,438	312,863	376,676	390,115	243,332	212,040
CA.....	3,278,277	3,063,283	1,852,100	1,927,400	247,187	250,395	667,170	689,810	1,628,288	1,422,676
CO.....	842,887	792,406	262,000	266,100	139,574	132,765	134,574	155,570	453,990	396,388
CT.....	40,962	44,514	3,200	33,200	17,641	15,916	12,982	11,347	20,248	17,688
DE.....	71,800	69,100	1,400	1,300	18,296	16,322	32,875	44,680	27,621	24,127
FL.....	1,003,173	913,021	581,900	674,900	134,652	129,564	489,799	578,720	405,394	354,165
GA.....	973,501	796,435	158,500	152,700	234,732	221,623	405,253	499,149	204,623	178,360
HI.....	142,567	133,218	30,500	31,400	30,674	30,417	32,021	32,901	11,847	10,351
ID.....	617,122	576,118	224,100	191,500	293,161	276,583	27,669	32,807	404,619	353,117
IL.....	1,831,082	1,658,787	541,700	482,000	366,242	347,520	1,135,047	1,259,198	1,077,214	939,966
IN.....	1,042,009	1,020,589	333,200	303,300	344,836	324,469	744,709	771,839	964,985	842,249
IA.....	1,759,538	1,684,709	668,000	572,000	484,830	463,083	984,116	1,106,223	2,447,456	2,135,697
KS.....	1,185,702	1,114,690	255,900	247,200	303,432	286,835	505,126	569,192	517,701	451,996
KY.....	412,776	404,272	180,500	155,500	328,453	316,653	623,055	640,894	357,829	312,456
LA.....	441,594	395,747	188,000	148,700	187,097	188,549	186,638	153,289	120,157	104,891
ME.....	34,135	37,095	0	0	79,022	72,622	5,430	5,526	20,874	18,218
MD <sup>7</sup> .....	277,600	287,100	15,100	11,900	56,450	50,525	76,996	86,850	152,603	133,239
MA.....	27,308	29,676	600	8,700	27,250	26,138	10,767	5,906	21,805	19,030
MI.....	949,305	867,412	52,700	48,200	236,769	222,396	231,012	226,015	485,853	423,951
MN.....	1,789,440	1,635,071	279,800	235,200	409,788	382,129	525,544	622,439	1,326,893	1,156,819
MS.....	588,792	527,662	217,300	210,700	339,424	320,228	320,333	291,058	196,021	170,964
MO.....	807,309	731,345	267,400	251,000	451,317	426,364	802,532	883,901	755,510	659,615
MT.....	696,333	680,666	278,900	217,600	208,140	202,386	90,602	106,500	679,056	593,079
NE.....	1,069,523	993,647	480,200	432,800	427,948	402,969	533,382	596,202	776,814	677,551
NV.....	92,091	86,651	65,100	42,000	23,234	22,867	2,898	1,744	65,124	56,898
NH.....	13,654	14,838	3,500	2,800	7,806	8,197	3,394	2,762	10,963	9,579
NJ.....	109,232	118,703	1,700	1,400	29,341	29,523	25,095	25,226	90,007	78,609
NM.....	232,737	218,799	76,900	76,000	78,182	74,031	116,847	121,669	172,806	150,980
NY.....	395,967	430,299	18,000	20,600	196,976	189,608	133,534	111,123	300,954	262,274
NC.....	966,087	822,414	45,600	57,300	325,500	302,745	244,649	284,678	208,759	182,301
ND.....	935,066	854,401	46,400	38,700	382,614	375,307	208,816	228,970	370,789	323,584
OH.....	729,909	714,871	165,100	150,000	217,975	213,673	593,162	628,917	525,983	458,972
OK.....	883,773	830,843	139,700	127,400	405,516	382,976	330,421	352,562	435,544	380,389
OR.....	645,338	602,459	388,700	472,600	147,433	141,256	43,562	60,624	868,755	599,918
PA.....	477,800	476,300	20,100	34,200	162,935	153,923	445,075	454,318	295,431	257,844
RI.....	6,827	7,419	0	0	3,086	3,373	3,307	4,141	2,055	1,795
SC.....	503,312	410,063	22,500	18,500	116,842	107,130	53,698	54,173	72,362	63,117
SD.....	517,511	480,797	75,400	51,800	442,905	420,763	131,989	148,384	445,013	388,517
TN.....	332,235	325,389	49,500	56,200	299,389	282,579	397,005	389,907	201,734	175,899
TX.....	2,093,256	1,964,069	777,400	606,100	425,040	409,682	1,112,832	1,053,531	1,269,912	1,109,326
UT.....	196,512	183,624	12,400	28,100	68,092	66,541	29,342	31,762	173,786	151,782
VT.....	54,616	59,352	200	0	54,987	53,284	44,790	49,560	39,476	34,480
VA.....	571,800	595,900	26,700	84,400	117,237	110,654	225,616	253,263	189,986	165,836
WA.....	621,264	579,985	378,300	323,200	184,246	178,103	184,641	175,686	470,985	411,266
WV.....	80,100	83,100	21,600	110,400	56,017	52,803	60,362	69,188	30,800	26,901
WI.....	1,072,715	980,175	80,400	96,000	365,616	357,851	758,415	766,907	816,562	712,044
WY.....	103,502	96,159	96,200	79,800	61,307	59,297	26,039	24,652	155,493	135,845
US.....	32,637,684	30,326,707	9,895,800	9,581,700	10,083,239	9,606,796	14,455,162	15,416,700	20,645,716	18,020,616

<sup>1</sup> Includes operator households.

<sup>2</sup> Includes mortgages in process of foreclosure.

<sup>3</sup> Includes U.S. legal reserve companies only. Includes regular mortgages and purchase-money mortgages.

<sup>4</sup> Revised.

<sup>5</sup> Includes farm ownership loans, soil and water loans to individuals, rural and labor housing loans on farms and association loans for grazing, and for Indian tribe land acquisition.

<sup>6</sup> Estimated by ERS, USDA; includes CCC storage and drying facility loans.

<sup>7</sup> Includes District of Columbia.

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Table 597.—All operating banks: Amount of agricultural loans outstanding, by type, and by States, specified dates, 1985-88<sup>1</sup>

State and Territory	Farm real estate loans				Nonreal estate farm loans			
	1985	1986	1987	1988 <sup>2</sup>	1985	1986	1987	1988 <sup>2</sup>
	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	154,993	172,283	187,141	197,039	217,761	192,410	178,530	191,553
AK.....	3,533	1,110	1,864	2,354	8,945	8,959	7,521	8,475
AZ.....	57,680	122,338	136,460	163,479	511,599	549,616	571,518	501,093
AR.....	286,278	320,669	376,676	390,115	405,340	400,823	392,763	413,569
CA.....	654,893	581,206	667,170	689,810	3,376,856	2,685,661	2,474,899	2,679,577
CO.....	106,637	111,400	134,574	155,570	819,071	712,313	701,404	704,601
CT.....	10,980	10,289	12,932	11,347	20,447	29,939	23,047	32,671
DE.....	17,532	21,927	32,875	44,680	35,852	26,515	28,813	24,802
FL.....	316,145	406,786	489,799	578,720	245,805	348,341	313,515	225,010
GA.....	299,267	341,928	405,253	499,149	312,343	278,436	262,918	291,932
HI.....	29,038	23,331	32,021	32,901	22,217	24,543	22,728	19,445
ID.....	26,964	23,259	27,669	32,807	667,078	573,890	543,255	567,043
IL.....	814,920	950,416	1,185,047	1,259,198	2,191,845	1,920,120	1,728,556	1,922,276
IN.....	623,459	678,550	744,709	771,839	1,017,320	945,662	836,149	897,722
IA.....	712,869	820,753	984,116	1,106,223	3,142,643	2,543,382	2,297,362	2,518,296
KS.....	331,403	408,031	505,126	569,192	2,221,004	1,944,981	1,885,390	1,896,478
KY.....	526,683	572,669	623,055	640,894	586,802	562,480	379,370	387,009
LA.....	213,331	195,603	186,638	153,239	329,416	273,701	227,297	219,065
ME.....	5,214	5,177	5,430	5,526	27,413	24,284	28,577	47,515
MD <sup>3</sup> .....	65,308	68,333	76,996	86,500	68,906	78,974	67,956	52,432
MA.....	9,781	39,583	10,767	5,906	36,670	36,534	66,695	51,735
MI.....	238,739	243,766	231,012	226,015	551,024	511,298	440,639	420,082
MN.....	389,154	449,958	525,544	622,439	2,050,535	1,663,311	1,474,197	1,530,270
MS.....	268,663	281,816	320,333	291,058	366,917	333,445	288,541	275,627
MO.....	693,731	715,793	802,532	883,901	1,225,477	1,065,992	958,642	983,807
MT.....	60,679	67,269	90,602	106,500	693,350	583,753	525,384	468,278
NE.....	314,478	417,129	533,382	596,202	2,547,910	2,098,560	2,001,378	2,138,848
NV.....	2,947	3,473	2,898	1,744	13,437	14,317	19,014	17,551
NH.....	4,789	4,513	3,394	2,762	2,788	1,070	1,705	1,104
NJ.....	22,381	18,767	25,095 <sup>2</sup>	25,226	11,793	16,802	21,330	17,014
NM.....	46,993	56,603	116,847	121,669	224,128	218,612	168,917	181,736
NY.....	96,097	96,585	133,534	111,123	628,850	684,904	588,903	427,666
NC.....	176,153	229,571	244,649	284,678	269,431	247,710	265,762	248,552
ND.....	128,100	173,198	208,816	228,970	893,676	791,185	764,630	735,188
OH.....	500,066	559,466	593,162	628,917	554,419	515,163	499,385	544,517
OK.....	307,310	330,822	330,421	352,562	1,297,076	1,082,762	1,127,267	1,132,420
OR.....	22,317	31,138	43,562	60,624	370,249	331,800	334,038	361,151
PA.....	349,583	370,925	445,075	454,318	350,158	358,866	288,263	309,413
RI.....	2,249	453	3,307	4,141	4,769	2,154	2,060	1,230
SC.....	47,285	52,975	53,698	54,173	81,983	74,481	63,628	66,071
SD.....	97,788	116,664	131,939	148,384	1,243,983	1,023,693	933,987	940,242
TN.....	342,601	368,067	397,005	389,907	324,144	281,451	241,878	246,750
TX.....	986,327	1,082,711	1,112,832	1,053,531	2,983,249	2,791,322	2,680,194	2,645,669
UT.....	25,100	33,046	29,342	31,762	110,236	105,409	94,703	114,413
VT.....	35,254	45,583	44,790	49,560	24,922	27,051	28,480	28,964
VA.....	150,493	185,522	225,616	253,263	223,548	201,464	193,227	193,310
WA.....	104,706	153,021	184,641	175,686	857,148	812,478	832,354	843,447
WV.....	58,902	54,794	60,362	69,188	25,761	25,687	26,372	24,129
WI.....	616,135	663,758	758,415	766,907	1,064,991	992,112	914,618	937,524
WY.....	28,992	27,623	26,039	24,652	325,011	221,917	222,380	211,393
US.....	11,384,920	12,710,650	14,455,162	15,416,700	35,513,296	31,240,333	29,040,839	29,798,655

<sup>1</sup> Includes operator households. Includes loans of national and commercial, mutual savings, stock savings, and private banks. Loans are classified according to location of bank and, therefore, are not strictly comparable with data for other lenders which are classified according to location of borrower.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes District of Columbia.

Economic Research Service. Data from Federal Deposit Insurance Corporation.

**Table 598.—Farm real estate debt: Average interest rates on loans outstanding, by farming regions,<sup>1</sup> Dec. 31, 1974-88<sup>2</sup>**

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
1974	7.1	6.7	6.6	6.4	7.1	7.3	6.8	6.8	6.6	6.6	6.7
1975	7.4	6.9	6.9	6.7	7.5	7.7	7.1	7.0	6.9	6.9	7.0
1976	7.4	7.0	7.2	6.9	7.6	7.8	7.3	7.1	7.1	7.1	7.6
1977	7.4	7.2	7.3	7.1	7.5	7.7	7.5	7.1	7.2	7.3	7.6
1978	7.4	7.3	7.5	7.3	7.7	7.8	7.8	7.3	7.3	7.5	7.4
1979	7.7	7.8	7.9	7.7	8.2	8.3	8.0	7.6	7.7	7.9	7.9
1980	8.3	8.3	8.3	8.4	8.5	8.6	8.4	8.0	8.2	8.2	8.3
1981	9.0	8.9	9.2	9.4	9.3	9.2	9.3	8.7	8.8	8.6	9.1
1982	9.6	9.6	9.9	10.1	10.1	9.9	10.1	9.3	9.3	9.1	9.7
1983	9.9	9.7	8.3	9.8	10.2	10.1	10.1	9.3	9.1	9.3	9.7
1984	9.9	9.4	9.6	9.5	10.2	9.7	10.0	9.1	9.0	9.3	9.6
1985	8.7	9.1	11.2	9.1	9.0	9.7	9.3	9.3	9.1	9.2	9.4
1986	8.5	8.9	8.9	9.0	8.9	9.5	9.4	9.0	8.4	9.1	9.1
1987	8.4	9.0	8.9	9.0	8.8	9.7	9.0	8.9	8.9	9.2	9.0
1988 <sup>3</sup>	9.1	9.2	9.3	9.2	9.1	9.2	9.3	9.4	9.1	9.3	9.2

<sup>1</sup> Includes operator households. For States included in regions, see footnote 1, table 595.<sup>2</sup> Contract rates. Excludes Alaska and Hawaii.<sup>3</sup> Preliminary.

Economic Research Service.

**Table 599.—Farm real estate debt: Interest charges on debt outstanding, by farming regions,<sup>1</sup> 1974-88<sup>2</sup>**

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1974	160,180	276,050	618,726	285,484	216,744	228,041
1975	184,826	314,743	729,633	331,056	261,671	276,810
1976	200,174	357,745	858,137	391,688	297,482	307,056
1977	215,741	423,396	1,019,455	469,839	326,389	332,079
1978	237,652	503,081	1,249,776	558,425	375,725	378,299
1979	285,209	641,902	1,556,499	685,717	463,895	457,806
1980	352,420	812,402	1,891,536	866,550	564,840	544,509
1981	416,972	977,471	2,326,800	1,089,209	682,172	649,493
1982	471,664	1,146,370	2,662,148	1,250,758	783,925	748,786
1983	499,186	1,202,708	2,275,521	1,255,045	811,025	776,740
1984	489,187	1,178,545	2,620,758	1,219,294	802,759	750,599
1985	409,346	1,098,373	2,898,655	1,118,558	680,025	728,177
1986	373,178	991,447	2,086,736	1,013,109	623,381	669,112
1987	345,042	888,394	1,876,072	911,247	570,831	591,939
1988 <sup>3</sup>	363,697	833,064	1,812,211	857,668	576,292	570,801

  

Year	Delta States	Southern Plains	Mountain	Pacific	United States
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1974	172,219	288,925	269,040	329,652	2,853,913
1975	196,869	328,302	316,311	382,639	3,336,106
1976	217,570	359,848	363,359	432,657	4,013,556
1977	246,421	388,008	416,640	499,876	4,558,857
1978	287,170	438,673	482,355	591,655	5,087,124
1979	348,636	518,964	582,181	720,886	6,265,249
1980	425,931	606,123	707,006	862,696	7,654,281
1981	527,830	712,939	842,792	1,028,311	9,287,378
1982	615,260	804,138	931,266	1,173,750	10,645,281
1983	631,107	840,200	940,240	1,261,036	10,951,371
1984	618,986	846,232	930,546	1,287,243	10,848,079
1985	547,523	855,968	903,558	1,243,235	10,268,899
1986	498,247	782,849	777,529	1,163,033	9,172,844
1987 <sup>3</sup>	429,491	732,238	744,844	1,093,636	8,209,120
1988 <sup>3</sup>	405,835	711,105	693,636	1,038,272	7,887,692

<sup>1</sup> Includes operator households. For States included in regions, see footnote 1, table 593.<sup>2</sup> Interest charges during calendar year.<sup>3</sup> Preliminary.

Economic Research Service.

Table 600.—Interest rates: Selected series, United States, 1974-88 <sup>1</sup>

Year	Federal land banks		Production credit associations, average cost of loans <sup>4</sup>	Federal intermediate credit banks		Banks for cooperatives		Prime commercial paper (4-6 months) <sup>7</sup>	Federal Reserve Bank discount rates, New York <sup>8</sup>
	Average rate on new loans <sup>2</sup>	Bond rates <sup>3</sup>		Discount rates <sup>5</sup>	Bond rates <sup>3</sup>	Rates on loans <sup>6</sup>	Bond rates <sup>3</sup>		
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1974	8.14	7.36	9.43	8.78	8.65	8.50-10.50	9.01	9.87	7.83
1975	8.69	7.60	8.91	8.14	6.88	7.25-10.50	7.03	6.33	6.25
1976	8.66	7.51	8.24	7.36	6.40	7.25-8.75	6.14	5.35	5.50
1977	8.39	7.37	7.88	6.94	6.53	6.50-8.00	6.76	5.61	5.46
1978	8.35	7.68	8.81	8.06	8.15	7.75-9.75	8.66	7.99	7.46
1979	9.20	8.74	10.71	10.21	10.37	10.00-12.75	11.09	10.91	10.28
1980	10.39	9.71	12.86	12.33	11.10	11.00-16.00	11.34	12.29	11.77
1981	11.27	11.65	14.89	14.25	14.18	14.75-16.50	14.14	14.76	13.41
1982	12.27	11.88	14.34	13.56	11.74	11.00-15.00	11.45	11.89	11.02
1983	11.63	11.83	11.49	10.55	10.26	9.85-10.90	10.71	8.89	8.50
1984	11.73	11.90	12.68	11.35	11.0	10.50-11.75	11.2	10.16	8.80
1985	12.25	11.50	12.40	11.63	9.4	9.00-10.75	10.5	8.01	7.69
1986	11.61	10.72	11.22	10.50	8.1	7.75-9.50	9.0	6.39	6.33
1987	11.10	10.50	10.20	10.25	8.6	8.00-9.75	9.5	6.85	5.66
1988	10.10	9.75	10.56	8.92	9.75	7.75-9.50	8.96	7.68	6.20

<sup>1</sup> Includes operator households.<sup>2</sup> Contract rates on loans through Federal land bank associations. In computing the average rates, each Farm Credit district is given equal weight.<sup>3</sup> Weighted average net cost to banks of bonds outstanding at end of year.<sup>4</sup> Rate represents interest (ss patronage refunds), service fees, cost of record searches, and filing and releasing mortgages, etc., paid by borrowers as percentage of average loans outstanding during year.<sup>5</sup> Annual interest income on loans, discounts, and notes receivable as a percentage of average balance of such items outstanding during the year.<sup>6</sup> Excludes rates on loans secured by CCC documents.<sup>7</sup> Board of Governors of the Federal Reserve System and Economic Report of the President. Annual averages of prevailing open-market rates in New York City. Beginning November 1979, data are for 6-months paper.<sup>8</sup> Board of Governors of the Federal Reserve System and Economic Report of the President. Annual average in discount rates.

Economic Research Service and Farm Credit Administration.

Table 601.—Nonreal estate farm debt: Amount outstanding, by lender, United States, Dec. 31, 1974-88 <sup>1</sup>

Year	Debt owed to reporting institutions (excluding CCC)					Debts owed to individuals and others	Total excluding CCC loans	Price-support and storage loans made or guaranteed by CCC <sup>3</sup>	Total including CCC loans
	All operating banks	Production credit association	Federal intermediate credit banks <sup>2</sup>	Farmers Home Administration	Total				
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1974	18,238	9,531	374	1,044	29,187	7,549	36,736	304	37,040
1975	20,160	10,770	350	1,772	33,052	8,553	41,605	232	41,837
1976	23,283	12,249	368	1,877	37,777	9,989	47,766	936	48,702
1977	25,709	13,519	374	3,141	42,743	12,244	54,987	4,146	59,133
1978	28,273	14,967	509	5,780	49,529	14,297	63,826	4,646	68,472
1979	31,034	18,113	665	9,305	59,387	16,610	75,997	3,714	79,441
1980	31,564	19,729	810	11,397	63,500	17,721	81,221	3,836	85,057
1981	32,858	21,203	913	14,438	69,412	18,780	88,192	6,888	95,080
1982	36,128	20,507	871	14,746	72,252	19,530	91,783	15,204	106,987
1983	39,026	19,314	850	14,608	73,798	18,945	92,744	10,576	103,320
1984	39,599	17,934	875	15,613	74,021	18,000	92,021	8,428	100,449
1985	35,513	14,026	597	16,721	66,797	15,378	82,174	17,598	99,772
1986	31,240	10,460	275	16,392	58,367	12,391	70,758	19,190	89,948
1987	29,041	9,603	165	16,049	54,858	11,139	65,997	15,120	81,117
1988 <sup>4</sup>	29,799	9,131	n.a.	14,658	53,588	12,000	65,588	8,902	74,490

<sup>1</sup> Includes operator households.<sup>2</sup> Loans to and discounts for livestock loan companies and agricultural credit corporations; after 1987, included with Production Credit Association loans.<sup>3</sup> Although price-support loans of the Commodity Credit Corporation (CCC) are nonrecourse loans, they are treated as debts. Borrowers must either pay them or deliver the commodities on which they are based.<sup>4</sup> Preliminary.

n.a. not available.

Economic Research Service.

**Table 602.—Farm Credit System: Loans and discounts made, United States, 1973-84<sup>1</sup>**

Year	Federal land banks	Production credit		Banks for cooperatives	Total
		Production credit associations <sup>2</sup>	Federal intermediate credit banks to other financing institutions		
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	3,284,681	13,038,446	856,691	6,388,950	23,568,768
1974.....	4,243,479	14,398,388	879,070	8,372,547	27,893,484
1975.....	4,411,268	16,062,551	766,416	8,907,911	30,148,146
1976.....	4,700,861	18,327,314	830,269	10,820,401	34,678,845
1977.....	5,730,118	20,147,831	849,423	12,276,751	39,004,123
1978.....	6,355,338	23,378,215	1,194,118	14,125,181	45,052,852
1979.....	9,118,595	29,368,159	1,647,742	18,950,701	59,085,197
1980.....	10,282,308	32,674,199	1,832,043	24,675,291	69,463,841
1981.....	12,202,902	35,007,079	1,927,286	24,783,575	73,920,842
1982.....	8,511,592	32,886,688	1,825,405	23,309,795	66,533,480
1983.....	4,785,276	30,242,309	1,713,401	27,937,243	64,678,229
1984 <sup>3</sup> .....	4,309,844	28,340,982	1,776,794	29,378,182	63,805,802

<sup>1</sup> Includes Puerto Rico.<sup>2</sup> Includes renewals.<sup>3</sup> Last year of series, data no longer available.

Farm Credit Administration.

**Table 603.—Farm Credit System: Loans and discounts outstanding, United States, Jan. 1, 1974-89<sup>1</sup>**

Year	Federal land banks	Production credit		Banks for cooperatives	Net total
		Production credit associations	Other financing institutions		
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	11,073,276	7,859,554	333,207	2,576,748	21,842,785
1975.....	13,863,752	9,560,649	403,402	3,575,483	27,403,286
1976.....	16,563,886	10,825,963	372,860	3,978,861	31,741,570
1977.....	19,126,749	12,297,052	385,185	5,061,669	36,870,655
1978.....	22,137,172	13,584,981	395,497	5,731,719	41,849,369
1979.....	25,626,461	15,112,202	534,139	6,217,025	47,489,827
1980.....	31,283,736	18,418,110	702,229	8,147,557	58,551,632
1981.....	38,137,543	20,160,313	845,007	9,505,526	68,648,389
1982.....	46,463,259	21,661,966	937,936	9,125,217	78,188,378
1983.....	50,375,306	20,711,081	895,376	8,259,607	80,242,112
1984.....	51,077,834	19,314,795	878,310	8,670,754	79,890,382
1985.....	50,676,659	17,543,283	926,386	8,640,733	77,187,992
1986.....	42,849,819	18,327,688	.....	7,763,809	63,941,316
1987.....	33,952,200	9,906,067	.....	7,005,092	50,863,359
1988.....	30,170,877	8,540,456	.....	7,713,522	46,424,855
1989 <sup>2</sup> .....	27,882,633	8,608,758	.....	7,420,263	43,911,654

<sup>1</sup> Includes Puerto Rico.<sup>2</sup> FLB data is pro forma data only.

Farm Credit Administration.

**Table 604.—Production credit associations: Number of associations and loans outstanding on specified dates, 1988 and 1989, by Districts**

District	Production credit associations Jan. 1, 1989	Loans outstanding <sup>1</sup>		
		1988		1989
		Jan. 1	July 1	Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Springfield.....	13	584,092	632,601	689,185
Baltimore.....	23	694,014	756,239	771,704
Columbia.....	1	682,769	765,647	688,991
Louisville.....	7	701,090	800,981	788,812
Jackson.....	2	345,852	381,982	331,099
St. Louis.....	4	457,972	505,484	494,865
St. Paul.....	23	1,613,398	1,633,400	1,496,431
Omaha.....	3	351,974	411,199	418,350
Wichita.....	16	431,848	407,939	451,303
Texas.....	23	742,947	685,646	685,158
Western.....	19	1,664,227	1,582,454	1,540,567
Spokane.....	8	294,250	319,954	272,293
<b>Total.....</b>	<b>142</b>	<b>8,564,433</b>	<b>8,883,526</b>	<b>8,608,758</b>

<sup>1</sup> Includes loans, notes, sales contracts and leases. Farm Credit Administration.

**Table 605.—Farmers Home Administration: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 1974-89 <sup>1</sup>**

Year	Loans to individuals														
	Farm ownership			Soil and water			Recreation			Operating			Emergency		
	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
	<i>Number</i>	<i>dollars</i>	<i>dollars</i>	<i>Number</i>	<i>dollars</i>	<i>dollars</i>	<i>Number</i>	<i>dollars</i>	<i>dollars</i>	<i>Number</i>	<i>dollars</i>	<i>dollars</i>	<i>Number</i>	<i>dollars</i>	<i>dollars</i>
1974.....	8,263	364,979	2,446,213	368	3,631	30,440	12	811	6,710	23,093	544,218	777,752	30,257	184,802	81,864
1975.....	7,278	355,161	2,644,583	509	6,645	30,541	15	664	7,314	19,166	536,988	923,550	40,201	880,885	109,764
1976.....	9,553	496,299	2,826,745	3,641	57,211	31,104	24	1,835	7,771	16,549	549,531	1,026,091	8,507	734,731	752,209
1977.....	9,026	501,871	3,040,062	3,334	60,498	77,283	18	1,079	8,929	15,529	539,233	1,033,648	29,707	1,855,311	842,215
1978.....	10,469	629,639	3,300,445	2,934	53,159	130,084	27	1,677	9,709	23,105	851,109	1,077,517	36,003	2,931,858	2,066,970
1979.....	9,743	831,493	3,609,729	2,158	53,683	174,658	22	2,722	10,795	19,892	949,165	1,487,523	24,568	2,857,515	4,299,570
1980.....	9,308	830,623	4,280,875	2,333	55,720	218,573	16	1,855	12,588	16,612	812,559	1,599,927	19,339	2,448,908	6,104,375
1981.....	7,948	717,373	4,876,025	1,530	43,325	262,050	11	1,450	14,133	17,104	820,626	1,854,440	47,365	4,878,941	7,316,141
1982.....	6,719	664,528	5,374,765	982	20,231	290,999	4	712	15,309	21,235	1,276,512	2,058,160	5,535	2,038,617	9,981,308
1983.....	7,035	770,583	5,852,702	709	12,710	297,737	0	0	15,420	25,022	1,750,088	2,499,344	1,729	566,268	10,029,769
1984.....	6,368	735,359	6,408,540	613	12,147	296,855	0	0	14,179	25,121	2,213,098	3,050,446	20,313	1,033,712	9,481,986
1985.....	5,269	661,123	6,957,978	393	9,018	296,346	0	0	13,848	38,749	4,694,346	3,750,587	7,661	463,544	9,785,792
1986.....	3,930	550,440	7,471,575	220	4,899	295,932	0	0	12,989	24,218	3,571,197	5,219,061	3,132	210,122	9,548,561
1987.....	2,583	391,165	7,592,580	199	4,647	285,430	0	0	11,900	16,699	2,449,059	5,524,707	1,266	102,991	9,055,526
1988.....	3,468	497,832	7,410,986	296	4,972	274,302	0	0	10,859	11,749	1,786,647	5,444,015	372	29,069	8,857,923
1989.....			7,150,033			255,300			10,234			5,021,322			8,060,959



Year	Loans to associations									Economic opportunity individual loans			Economic emergency loans			Emergency livestock loans		
	Indian tribe land acquisition			Grazing association			Irrigation, drainage, and soil conservation			New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1
	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1									
	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>
1974.....	3	9,786	8,910	10	2,677	81,297	5	940	7,097			22,968						
1975.....	8	8,715	16,864	9	4,290	77,553	12	1,336	9,822			17,213				2,708	323,723	
1976.....	0	11,063	23,109	9	3,937	77,073	12	4,812	7,960			12,559				2,339	361,490	
1977.....	4	13,414	33,123	6	4,948	77,589	9	5,274	9,541			8,281				1,038	169,552	
1978.....	0	6,500	45,658	3	1,703	78,314	2	86	12,710			5,708	6,400	562,267		315	60,340	
1979.....	1	11,000	<sup>2</sup> 50,845	4	5,585	<sup>2</sup> 78,371	7	1,019	<sup>2</sup> 13,240			3,943	40,196	3,168,639		50	13,392	
1980.....	1	6,380	60,012	0	160	75,262	3	233	18,322			2,831	24,931	1,890,174		( <sup>3</sup> )	( <sup>3</sup> )	
1981.....	1	4,542	62,386	0	0	74,638	2	236	18,255			1,945	10,152	1,007,538				
1982.....	1	62	67,990	0	0	69,350	3	1,243	18,168			1,540	12,601	1,245,354				
1983.....	0	7,450	68,427	0	0	66,748	0	0	18,018			964	0	0			4,516,719	
1984.....	0	2,620	70,564	0	0	63,536	0	0	17,500			739	4,300	599,334			4,240,017	
1985.....	1	1,406	82,631	0	0	60,263	0	0	17,920			599	( <sup>3</sup> )	( <sup>3</sup> )			4,243,944	
1986.....	1	1,404	83,360	0	0	58,155	0	0	17,479			484					4,002,724	
1987.....	0	0	85,516	0	0	56,660	0	0	16,986			272					3,720,910	
1988.....	0	2,000	88,854	0	0	54,714	0	0	16,278			429					3,581,693	
1989.....	1	461	85,867			52,833			14,837			284					3,287,134	

<sup>1</sup> Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

<sup>2</sup> Latest data available as of September 30, 1978.

<sup>3</sup> Discontinued.

Farmers Home Administration.

**Table 606.—Farmers Home Administration: Loans made to individuals and organizations for housing purposes, and loans outstanding, United States and Territories, 1974-89<sup>1</sup>**

Year	Rural housing loans			Farm labor housing loans		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	102,005	1,939,622	6,700,675	61	8,972	20,735
1975.....	112,071	2,334,202	8,051,996	97	8,066	23,336
1976.....	94,522	2,054,706	9,815,075	71	10,366	26,945
1977.....	113,365	2,687,028	11,083,704	87	5,490	30,803
1978.....	114,018	3,060,481	12,596,054	85	11,655	38,285
1979.....	85,435	2,556,434	14,495,475	207	36,034	<sup>2</sup> 40,542
1980.....	84,239	2,765,947	16,130,400	181	24,974	54,631
1981.....	70,850	2,478,378	18,075,547	203	17,512	74,984
1982.....	65,567	2,554,027	19,642,741	109	10,962	97,659
1983.....	49,457	1,970,487	21,181,379	65	4,170	115,580
1984.....	46,011	1,880,689	21,946,326	69	5,815	123,648
1985.....	42,702	1,785,748	22,357,923	91	17,269	122,616
1986.....	24,804	1,052,524	22,666,367	51	10,376	<sup>3</sup> 122,954
1987.....	27,670	1,244,699	22,008,584	46	11,375	<sup>3</sup> 122,954
1988.....	30,170	1,347,109	18,558,816	54	12,438	135,792
1989.....			18,588,745			133,877

  

Year	Rural rental housing loans			Rural housing site and self-help land development		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	637	205,580	175,860	9	1,787	2,381
1975.....	1,034	330,757	283,906	6	1,531	3,369
1976.....	1,090	433,253	531,051	5	954	4,526
1977.....	1,243	646,798	758,726	10	2,098	4,789
1978.....	1,157	729,231	1,069,590	9	3,891	4,688
1979.....	1,153	852,689	<sup>2</sup> 1,369,615	19	4,039	<sup>2</sup> 4,481
1980.....	1,087	783,683	2,403,332	7	928	5,233
1981.....	1,146	814,452	3,210,140	5	1,189	7,551
1982.....	1,244	966,670	3,864,875	0	134	5,945
1983.....	1,032	798,591	4,540,754	1	310	4,413
1984.....	1,132	937,433	5,234,310	1	213	3,279
1985.....	1,151	963,945	5,926,748	2	1,275	1,088
1986.....	657	561,395	<sup>3</sup> 6,080,462	1	666	<sup>3</sup> 1,045
1987.....	864	606,774	<sup>3</sup> 6,080,462	3	654	<sup>3</sup> 1,045
1988.....	567	558,503	7,922,513	0	0	995
1989.....			8,427,460			783

<sup>1</sup> Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

<sup>2</sup> Latest data available as of September 30, 1978.

<sup>3</sup> Latest data available as of March 31, 1985.

Farmers Home Administration.

**Table 607.—Farmers' marketing, farm supply, and related service cooperatives: Number, memberships, and business, United States, 1974-87**

Year <sup>1</sup>	Cooperatives <sup>2</sup>				Estimated memberships <sup>4</sup>				Estimated service receipts <sup>5</sup>
	Market- ing	Farm supply	Related service <sup>3</sup>	Total	Market- ing	Farm supply	Related service <sup>3</sup>	Total	
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>1,000 members</i>	<i>1,000 members</i>	<i>1,000 members</i>	<i>1,000 members</i>	
1974.....	4,770	2,729	146	7,645	3,127	2,971	25	6,123	745
1975.....	4,658	2,731	146	7,535	2,812	3,056	38	5,906	855
1976/77.....	4,008	2,593	135	6,736	2,655	3,066	37	5,758	893
1978 <sup>6</sup> .....	3,930	2,550	120	6,600	2,595	3,063	37	5,695	948
1979.....	3,825	2,507	113	6,445	2,531	3,060	36	5,627	1,054
1980.....	3,808	2,369	116	6,293	2,542	2,804	32	5,379	1,209
1981.....	3,743	2,356	112	6,211	2,452	2,856	27	5,335	1,190
1982.....	3,714	2,299	112	6,125	2,444	2,666	25	5,135	1,394
1983.....	3,647	2,208	134	5,989	2,308	2,553	7 95	4,955	1,468
1984.....	3,514	2,136	132	5,782	2,317	2,397	128	4,842	1,522
1985.....	3,441	2,036	148	5,625	2,214	2,398	169	4,781	1,640
1986.....	3,260	1,971	138	5,369	2,140	2,310	150	4,600	1,760
1987.....	3,054	1,941	114	5,109	2,026	2,282	132	4,440	1,891

  

Year <sup>1</sup>	Marketing volume		Farm supply volume		Total marketing and farm supply volume and service receipts	
	Estimated gross business <sup>8</sup>	Estimated net business <sup>9</sup>	Estimated gross business <sup>8</sup>	Estimated net business <sup>9</sup>	Estimated gross business <sup>8</sup>	Estimated net business <sup>9</sup>
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1974.....	40,813	31,937	13,416	8,660	54,474	41,342
1975.....	39,402	29,783	15,554	9,412	55,811	40,050
1976/77.....	40,804	32,134	17,791	10,557	59,488	43,584
1978 <sup>6</sup> .....	45,072	35,306	18,605	11,052	64,625	47,305
1979.....	53,669	41,693	22,670	13,521	77,392	56,268
1980.....	63,650	48,911	27,660	16,134	92,520	66,254
1981.....	70,162	53,285	30,127	17,059	101,479	71,534
1982.....	65,600	51,394	28,105	16,362	95,099	69,150
1983.....	61,209	49,344	26,053	15,943	88,730	66,755
1984.....	67,627	54,556	27,723	16,969	96,871	73,047
1985.....	57,033	47,321	26,424	16,841	85,097	65,601
1986.....	47,595	41,540	23,623	15,095	72,978	58,395
1987.....	50,315	44,156	22,536	14,271	74,742	60,318

<sup>1</sup> Reports of cooperatives are included either for the calendar year or for fiscal years ending between July 1 of the calendar year shown and June 30 of the following year, with limited exceptions. Reports of cooperatives are included for the calendar year beginning 1978.

<sup>2</sup> Includes independent local cooperatives, centralized cooperatives, federations of cooperatives and cooperatives with mixed organizational structures. Cooperatives are classified according to their major activity. If, for example, more than 50 percent of a cooperative's business is derived from marketing activities, it is included as a marketing cooperative.

<sup>3</sup> Includes cooperatives whose major activity is providing services related to marketing and farm supply activities.

<sup>4</sup> Includes members (those entitled to vote for directors) but does not include nonvoting patrons. (Some duplication exists because some farmers belong to more than one cooperative.)

<sup>5</sup> Receipts for services related to marketing and purchasing activities, but not included in the volumes reported for these activities.

<sup>6</sup> Estimated.

<sup>7</sup> Number of memberships was up significantly due to inclusion of additional related service cooperatives.

<sup>8</sup> Estimated gross business includes all business reported between cooperatives, such as the wholesale business of farm supply cooperatives with other cooperatives or terminal market sales for local cooperatives.

<sup>9</sup> Estimated net business represents the value at the first level at which cooperatives transact business for farmers. Figures are adjusted for duplication resulting from intercooperative business.

Agricultural Cooperative Service. Based on records from cooperatives reporting to the Service.

**Table 608.—Farmers' cooperatives: Number of marketing, farm supply, and related service cooperatives and business volume, United States, 1986 and 1987 (preliminary)**

Item	Cooperatives handling		Gross business		Net business <sup>1</sup>	
	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>
	<i>Number</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
<b>Products marketed:</b>						
Beans and peas (dry edible).....	49	58	183,758	159,847	146,958	127,740
Cotton and cotton products.....	435	400	1,628,443	1,723,619	1,444,158	1,542,556
Dairy products.....	354	305	16,477,608	18,115,112	14,821,044	16,548,290
Fruits and vegetables.....	371	337	6,583,474	6,756,382	5,106,099	6,113,602
Grain, soybeans and soybean meal and oil.....	1,995	2,060	13,723,740	13,066,824	11,605,175	10,058,628
Livestock and livestock products.....	361	339	3,307,893	3,526,742	2,976,430	3,158,439
Nuts.....	34	38	1,132,721	941,008	1,132,721	941,008
Poultry products.....	56	43	1,057,243	1,297,050	916,795	1,146,247
Rice.....	56	56	827,641	847,707	827,641	847,707
Sugar products.....	46	38	1,576,390	1,897,996	1,482,512	1,714,077
Tobacco.....	33	33	181,556	607,719	181,556	607,719
Wool and mohair.....	168	159	34,925	47,429	19,766	22,640
Miscellaneous <sup>3</sup> .....	101	122	879,312	1,327,545	879,305	1,327,130
<b>Total farm products.....</b>	<b>4 3,719</b>	<b>4 3,589</b>	<b>47,594,704</b>	<b>50,314,988</b>	<b>41,540,160</b>	<b>44,155,785</b>
<b>Supplies purchased:</b>						
Building materials.....	1,746	1,791	477,323	483,693	371,460	372,306
Containers.....	486	506	285,507	350,180	139,211	167,522
Farm chemicals.....	3,102	3,003	2,368,933	2,274,863	1,358,335	1,291,242
Farm machinery and equipment.....	1,564	1,614	491,869	483,677	342,508	315,976
Feed.....	3,000	2,913	4,091,721	4,388,270	2,853,316	2,986,775
Fertilizer.....	3,134	3,014	4,999,659	4,710,290	2,915,354	2,731,765
Meats and groceries.....	408	378	124,810	131,350	113,406	130,114
Petroleum products.....	2,497	2,403	7,476,204	6,960,279	4,998,039	4,175,061
Seed.....	3,020	2,963	702,514	753,138	513,896	576,555
Other supplies <sup>4</sup> .....	3,570	3,465	2,604,742	2,000,058	1,459,540	1,523,443
<b>Total farm supplies.....</b>	<b>4 4,151</b>	<b>4 3,960</b>	<b>23,623,282</b>	<b>22,535,798</b>	<b>15,095,065</b>	<b>14,270,759</b>
<b>Receipts for services:</b>						
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	4 3,621	4 3,713	6 1,760,246	6 1,891,178	6 1,760,246	6 1,891,178
<b>Total business.....</b>	<b>4 5,369</b>	<b>4 5,109</b>	<b>72,978,232</b>	<b>74,741,954</b>	<b>58,395,471</b>	<b>60,317,723</b>

<sup>1</sup> Represents value at the first level at which cooperatives transact business for farmers. <sup>2</sup> Revised. <sup>3</sup> Includes coffee, fish, forest products, fur pelts, hay, hops, nursery stock, tung oil, and other farm products not separately classified. <sup>4</sup> Because many cooperatives do more than one type of business, these totals are less than the number that would be obtained by adding the number of cooperatives marketing individual products, handling individual supplies, or providing individual service. Inactive cooperatives not included. <sup>5</sup> Includes automotive supplies, hardware, chicks, and other supplies not separately classified. <sup>6</sup> Receipts for services related to marketing and purchasing activities, but not included in the volumes reported for these activities.

Agricultural Cooperative Service. Based on records from cooperatives reporting to the Service.

**Table 609.—Farmers' cooperatives: Types, numbers, and memberships, United States**

Type	Year or date of data	Associations	Estimated memberships or participants
<b>Marketing and farm supply, and related service:</b>			
Marketing <sup>1</sup> .....	1987.....	<sup>2</sup> 3,054	2,025,863
Farm supply <sup>1</sup> .....	1987.....	<sup>3</sup> 1,941	2,282,029
Related services <sup>4</sup> .....	1987.....	<sup>3</sup> 114	132,107
<b>Service:</b>			
Federal land bank associations <sup>5</sup> .....	Dec. 31, 1987.....	232	n.a.
Production credit associations <sup>6</sup> .....	Dec. 31, 1987.....	145	n.a.
Banks for cooperatives <sup>6</sup> .....	Dec. 31, 1987.....	12	n.a.
Rural credit unions <sup>7</sup> .....	Dec. 31, 1987.....	854	3,110
Rural electric cooperatives <sup>8</sup> .....	Dec. 31, 1987.....	<sup>9</sup> 908	<sup>10</sup> 10,236
Rural telephone cooperatives <sup>8</sup> .....	Dec. 31, 1987.....	247	1,077
<b>Production:</b>			
Dairy herd improvement associations <sup>11</sup> .....	Dec. 31, 1987.....	n.a.	34,193

See footnotes on page 442.

**Table 610.—Farmers' cooperatives: Number of cooperatives, memberships, and business volume of marketing, farm supply, and related service cooperatives, by States, 1985 and 1987**

State	Cooperatives headquartered in State		Cooperatives doing business in State <sup>1</sup>		Memberships in State		Net business <sup>2</sup>	
	1985 <sup>3</sup>	1987	1985 <sup>3</sup>	1987	1985 <sup>3</sup>	1987	1985 <sup>3</sup>	1987
	Number	Number	Number	Number	Number	Number	1,000 dollars	1,000 dollars
AL	80	77		88	70,736	84,736	759,755	652,652
AK	1	1		2	16	14	(*)	(*)
AZ	14	14		23	63,670	63,880	389,121	510,587
AR	102	94		109	72,963	73,922	1,123,109	1,134,539
CA	233	209		224	70,958	78,286	5,770,650	5,679,720
CO	73	70		85	35,892	39,673	689,839	620,333
CT	5	5		10	7,330	4,556	167,048	172,062
DE	5	5		12	11,657	17,257	104,287	83,290
FL	66	53		68	32,903	32,729	1,798,220	1,608,372
GA	21	17		30	62,437	59,879	(*)	(*)
HI	28	29		29	3,073	4,140	51,400	89,117
ID	60	55		69	39,521	39,424	461,526	569,188
IL	269	271		276	258,723	244,109	3,971,879	3,171,979
IN	82	71		92	199,119	170,881	1,984,718	1,413,846
IA	373	322		347	294,247	257,715	5,916,227	4,913,813
KS	233	218		233	218,662	194,766	2,153,350	1,880,627
KY	92	76		94	229,808	248,529	660,595	714,507
LA	70	64		81	19,240	16,354	573,244	505,083
ME	7	7		11	12,371	9,769	155,016	155,898
MD	24	21		32	63,484	72,420	562,653	403,782
MA	16	12		17	8,253	8,111	511,079	504,904
MI	100	88		107	90,355	85,070	1,728,399	1,545,629
MN	566	519		545	423,983	370,660	5,429,162	4,373,010
MO	142	131		149	92,125	86,017	907,012	757,725
MS	110	91		118	240,771	177,328	2,073,596	1,738,579
MT	120	109		120	44,764	38,439	356,290	307,089
NE	236	210		229	185,486	164,182	2,365,917	1,964,920
NV	5	2		8	384	406	(*)	(*)
NH	2	2		9	4,711	2,840	(*)	(*)
NJ	23	18		28	10,254	10,353	291,555	300,264
NM	15	13		20	4,240	4,078	59,208	42,299
NY	200	170		172	121,127	84,178	2,206,974	2,109,407
NC	34	31		48	142,198	101,692	634,302	566,496
ND	391	371		386	159,572	150,095	1,700,195	1,899,268
OH	151	134		149	149,065	134,754	2,347,898	2,216,370
OK	140	135		149	105,149	86,625	766,891	818,851
OR	50	51		63	48,195	41,075	975,643	859,979
PA	84	76		86	69,453	71,856	1,819,508	1,679,867
RI	1			3	1,215	800	(*)	(*)
SC	17	13		24	40,609	25,048	215,165	176,951
SD	222	215		231	136,508	154,495	1,214,275	921,742
TN	101	95		113	134,824	138,179	573,173	619,229
TX	387	346		362	120,058	125,304	2,260,932	2,119,035
UT	39	32		40	21,258	17,090	242,768	315,458
VT	6	10		17	12,290	8,741	406,066	354,395
VA	101	97		110	188,597	219,575	962,866	841,633
WA	122	108		123	98,729	50,518	1,648,096	1,497,612
WV	44	43		56	49,586	67,679	140,967	128,253
WI	342	300		327	308,491	298,384	4,234,830	4,511,062
WY	20	18		24	6,907	8,129	73,971	51,403
US	5,625	5,109			4,780,967	4,439,740	64,639,087	59,630,546
Foreign				12	6 249	6 259	962,353	524,152
Total	5,625	5,109			4,781,216	4,439,999	65,601,440	60,317,723

<sup>1</sup> Includes cooperatives headquartered both in and outside the State handling business originating in the State. No totals can be shown because of duplication. Data not available for 1985 and 1986 due to sampling methodology.  
<sup>2</sup> Represents value at the first level at which cooperatives transact business for farmers. Totals may not add due to rounding.  
<sup>3</sup> Data for 1985 are shown where 1986 data are not available. Statistics for 1986 are presented on a national basis only.  
<sup>4</sup> Dollar volume is not shown to avoid disclosing operations of individual cooperatives.  
<sup>5</sup> Volume of a sugar cooperative located in Hawaii but headquartered in California is included in California.  
<sup>6</sup> Sales outside the United States, sales to domestic military installations, and sales of certain products not received directly from member-patrons.  
 Agricultural Cooperative Service.

**Table 611.—Rural Electrification Administration: Long-term financing approved by purpose, by States and Territories, from organization (May 11, 1935) to Jan. 1, 1989<sup>1</sup>**

State and Territory	Borrowers	Total financing			Financing to cooperative associations <sup>3</sup>		Financing by purpose			Miles of line provided for by financing <sup>6</sup>	Consumers provided for by financing <sup>6</sup>
		REA loans	Non-REA financing		Borrowers	Amount <sup>2,4</sup>	Distribution	Generation and transmission <sup>2,4</sup>	Consumer facilities <sup>5</sup>		
			With REA guarantee	Without REA guarantee <sup>2</sup>							
	Number	1,000 dollars	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	1,000 dollars	Miles	Numbers	
AL.....	27	398,948	338,201	131,523	24	854,691	328,092	539,221	1,359	53,315	417,032
AZ.....	16	734,832	279,439	99,648	14	1,060,626	467,021	645,809	1,089	9,557	170,652
AK.....	14	193,650	387,679	38,661	8	545,877	164,367	405,133	490	12,580	109,431
AR.....	21	641,303	877,929	175,039	20	1,693,748	545,603	1,144,196	4,471	60,991	370,931
CA.....	10	75,516	0	5,363	7	56,394	67,018	13,805	56	6,348	74,468
CO.....	24	896,586	1,407,984	436,746	24	2,741,317	650,552	2,090,690	74	59,646	305,945
CT.....	0	0	0	0	0	0	0	0	0	0	0
DE.....	1	39,866	0	11,738	1	51,604	50,740	861	3	3,847	43,381
FL.....	18	643,767	865,457	443,201	16	1,952,213	759,816	1,190,091	2,519	51,555	616,045
GA.....	48	964,721	4,371,249	1,466,949	46	7,302,655	1,225,110	6,074,850	2,959	118,654	1,090,776
HI.....	0	0	0	0	0	0	0	0	0	0	0
ID.....	10	126,451	0	22,144	10	148,594	125,914	21,884	1,197	11,469	47,833
IL.....	30	466,253	1,003,783	132,470	29	1,602,425	425,432	1,176,862	212	53,958	232,147
IN.....	48	370,974	1,926,888	419,536	47	2,716,968	323,434	2,393,247	716	51,304	360,839
IA.....	55	624,574	256,223	90,211	52	969,408	411,628	558,983	397	65,659	189,387
KS.....	38	489,955	692,349	87,659	37	1,270,456	425,102	844,945	415	71,084	191,811
KY.....	29	880,552	2,804,630	461,894	28	4,147,075	644,048	3,501,869	1,159	74,008	585,407
LA.....	20	556,981	3,077,621	219,740	18	3,845,845	555,257	3,298,908	177	46,139	404,694
ME.....	4	24,209	0	769	4	24,978	21,397	3,537	44	1,750	14,996
MD.....	2	160,104	0	45,280	2	205,385	173,228	32,157	0	11,850	120,658
MA.....	0	0	0	0	0	0	0	0	0	0	0
MI.....	14	325,850	815,412	46,511	14	1,187,773	268,066	919,233	473	30,820	217,688
MN.....	52	884,434	1,231,940	281,354	50	2,396,770	739,901	1,653,482	4,346	108,141	500,146
MS.....	29	580,612	713,709	179,123	27	1,470,645	606,725	865,292	694	76,666	564,355
MO.....	49	1,023,704	907,607	401,732	48	2,333,009	744,781	1,587,442	821	109,693	550,933
MT.....	26	291,774	9,739	31,137	26	332,649	266,026	66,395	229	44,038	106,062
NE.....	36	442,846	1,689	27,385	4	64,261	366,075	103,594	562	75,293	169,954
NH.....	8	68,455	1,689	7,443	3	69,920	54,810	22,530	248	5,730	18,187
NJ.....	1	100,398	146,812	8,696	1	255,276	103,050	152,194	32	4,616	64,601
NM.....	1	13,400	0	3,331	2	15,730	15,585	1,141	4	813	11,960
NY.....	18	300,174	387,682	134,074	17	821,796	251,334	567,587	3,010	38,613	155,944
NC.....	6	27,719	0	6,229	5	32,485	34,089	174	85	4,586	22,083
ND.....	35	597,758	1,513,370	337,654	30	2,447,887	659,484	1,784,663	4,635	69,535	643,454
OH.....	28	869,485	2,326,695	847,539	26	4,038,120	434,708	3,607,026	1,986	67,430	112,696
OK.....	29	341,939	72,110	411,208	28	819,014	329,759	495,279	218	39,838	259,035
OR.....	29	847,465	637,093	201,314	27	1,685,571	810,790	872,406	2,676	94,956	443,562
PA.....	18	238,454	54,128	51,574	17	334,223	249,126	94,793	237	21,708	113,468
RI.....	13	211,961	607,713	63,431	13	883,106	244,007	638,860	239	24,386	179,610
SC.....	0	0	0	0	0	0	0	0	0	0	0
SD.....	27	630,188	530,136	220,691	25	1,376,510	590,836	787,948	2,231	54,659	466,870
TN.....	34	431,086	13,628	24,762	34	469,475	338,142	130,452	881	63,699	125,482
TX.....	32	345,229	0	81,995	20	399,637	423,833	3,346	45	65,762	673,730
UT.....	101	2,032,143	1,181,400	468,162	99	3,623,969	2,000,292	1,678,889	2,524	250,221	1,294,973
VT.....	6	71,810	1,036,342	215,150	6	1,323,302	58,050	1,265,127	124	5,730	22,618
VA.....	3	53,516	50,726	5,918	3	110,160	40,306	68,950	903	2,713	19,857
WA.....	19	409,496	263,000	113,415	18	785,718	485,393	299,851	667	37,726	301,334
WI.....	23	184,774	0	29,567	11	157,775	204,235	9,854	252	20,040	95,073
WV.....	1	6,982	0	616	1	7,593	7,593	0	5	725	5,894
WY.....	31	448,744	237,946	86,165	30	772,764	268,311	502,736	1,809	42,419	190,869
WY.....	15	229,427	2,585	21,444	14	253,377	177,551	75,803	101	27,637	74,669
US.....	1,100	20,298,965	31,480,764	8,596,592	986	59,659,784	18,136,618	42,192,329	47,374	2,151,337	12,751,441
PR.....	1	266,157	0	16,499	0	0	243,102	39,554	0	15,993	528,062
VI.....	1	430	0	0	0	0	294	196	0	85	912
Total.....	1,102	20,565,552	31,480,764	8,613,091	986	59,659,784	18,379,954	42,232,079	47,374	2,167,415	13,280,415

<sup>1</sup> State total represents data for borrowers incorporated within the State.

<sup>2</sup> Includes loans obtained by REA borrowers' affiliates specifically organized to facilitate non-REA financing.

<sup>3</sup> Totals for other types of borrowers are as follows: Public Power Districts, 54 borrowers, \$502,112,508; municipalities and other Government authorities, 36 borrowers, \$468,948,334; power companies, 26 borrowers, \$28,562,037.

<sup>4</sup> Includes \$31,480,764,072, REA guarantee commitments made as of Jan. 1, 1989.

<sup>5</sup> Funds loaned to corporate borrowers for lending to individuals. Includes wiring, plumbing, and refrigeration installations.

<sup>6</sup> Includes miles energized and consumers served, shown in tables 612 and 613.

Rural Electrification Administration.

Table 612.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, 1988, by States and Territories <sup>1</sup>

State and Territory	Total advances as of Jan. 1, 1989 <sup>2,3</sup>	Statistics for borrowers in operation									
		As of Jan. 1, 1989			Calendar year 1988					Average monthly kw-hr. consumption per consumer	
		Bor- rowers	Miles ener- gized <sup>4</sup>	Consum- ers served <sup>4</sup>	Kw-hr. generated	Kw-hr. pur- chased <sup>5</sup>	Kw-hr. sales <sup>6</sup>	Total revenue <sup>6</sup>	All con- sumers	Residen- tial con- sumers <sup>7</sup>	
		<i>1,000 dollars</i>	<i>Number Miles</i>	<i>Number</i>	<i>1,000 kw-hr.</i>	<i>1,000 kw-hr.</i>	<i>1,000 kw-hr.</i>	<i>1,000 dollars</i>	<i>Kw-hr.</i>	<i>Kw-hr.</i>	
AL.....	372,631	26	56,999	413,577	2,829,773	7,758,973	6,691,500	424,129	1,312	980	
AK.....	667,917	16	9,594	152,186	2,440,808	1,738,622	2,480,361	226,576	1,925	718	
AZ.....	178,915	14	16,687	123,353	1,538,398	3,082,913	2,802,105	197,656	1,774	554	
AR.....	587,849	21	60,914	314,943	5,255,830	8,609,623	4,686,297	334,037	1,259	870	
CA.....	70,074	9	5,341	31,716	0	386,104	353,261	26,940	1,294	753	
CO.....	842,499	24	59,975	286,699	9,969,491	9,656,820	10,911,889	477,008	1,546	786	
CT.....	0	0	0	0	0	0	0	0	0	0	
DE.....	37,466	1	3,763	41,520	0	509,909	456,100	34,532	933	840	
FL.....	596,005	18	53,342	564,120	5,812,580	8,308,041	6,425,295	522,728	1,092	886	
GA.....	880,956	46	118,216	977,223	9,625,696	21,754,752	16,811,717	1,844,457	1,257	973	
HI.....	0	0	0	0	0	0	0	0	0	0	
ID.....	115,406	10	11,515	43,816	0	1,187,809	1,097,146	52,867	2,129	964	
IL.....	425,619	30	53,212	211,552	1,557,530	4,282,118	2,887,106	263,516	1,252	937	
IN.....	351,703	45	51,421	347,455	5,183,955	5,813,602	7,812,025	479,227	1,306	1,038	
IA.....	591,445	55	64,553	172,507	2,618,034	4,027,038	3,614,296	243,004	1,465	1,220	
KS.....	462,910	37	69,649	171,927	1,912,711	4,345,486	3,507,315	263,284	1,475	762	
KY.....	827,956	28	73,295	499,399	16,450,144	18,031,933	20,493,080	902,837	2,439	1,009	
LA.....	501,595	17	39,513	283,817	9,932,041	4,358,798	8,633,979	494,639	1,243	990	
ME.....	22,889	4	1,794	13,849	16	113,446	101,916	9,501	623	404	
MD.....	135,708	2	11,273	116,429	0	2,301,912	2,127,284	147,909	1,555	1,080	
MA.....	0	0	0	0	0	0	0	0	0	0	
MI.....	297,467	14	30,394	200,500	805,466	2,825,683	2,204,028	224,660	721	562	
MN.....	837,329	52	108,862	483,166	9,007,228	10,219,822	11,990,977	598,998	1,218	946	
MS.....	509,969	29	77,599	491,400	3,137,342	10,417,173	7,877,017	533,047	1,472	983	
MO.....	953,615	47	109,272	467,016	8,668,670	18,613,453	12,027,503	563,967	1,252	918	
MT.....	264,769	26	43,317	95,605	0	2,382,553	1,623,001	91,187	1,425	984	
NE.....	434,277	36	69,587	159,991	0	4,216,720	1,581,568	98,068	1,667	1,139	
NV.....	64,186	8	8,950	18,744	147	699,020	623,078	31,958	2,900	982	
NH.....	81,213	1	0	0	0	0	0	0	0	0	
NJ.....	12,581	2	964	12,100	0	107,165	99,297	11,553	888	759	
NM.....	289,725	18	38,778	136,055	1,530,493	3,472,336	2,688,747	198,773	1,527	465	
NY.....	25,359	5	4,125	19,095	0	148,619	133,628	9,773	894	830	
NC.....	536,440	33	69,040	568,444	3,888,636	15,709,737	10,952,644	841,399	1,135	932	
ND.....	846,768	27	66,558	101,088	18,020,461	6,531,879	14,740,620	437,517	2,292	1,245	
OH.....	322,942	29	39,718	265,485	4,790,041	4,695,633	4,386,092	285,398	1,406	1,035	
OK.....	770,371	29	93,533	339,317	4,425,669	5,164,498	5,545,394	375,202	1,289	919	
OR.....	226,504	18	21,881	106,006	0	2,688,294	2,482,734	118,538	2,004	1,145	
PA.....	192,893	13	24,694	168,895	1,006,530	2,715,883	1,660,640	184,899	808	695	
RI.....	0	0	0	0	0	0	0	0	0	0	
SC.....	533,341	23	52,380	418,588	0	11,911,919	6,152,370	439,943	1,273	1,052	
SD.....	407,539	34	62,630	106,626	0	4,038,572	1,852,665	130,669	1,451	1,105	
TN.....	306,863	32	67,478	661,722	0	14,243,937	13,349,354	797,073	1,726	1,190	
TX.....	1,856,409	82	247,284	1,036,818	4,773,919	20,283,194	12,633,852	888,349	1,226	886	
UT.....	65,009	6	5,668	21,626	3,126,992	1,751,952	3,457,277	142,317	4,860	863	
VT.....	50,142	3	2,761	19,755	1,917	187,811	172,737	16,791	743	649	
VA.....	381,572	15	38,512	286,963	1,715,408	9,640,487	5,314,140	362,972	1,506	1,010	
WA.....	180,018	23	19,978	89,858	0	2,194,585	2,056,031	76,381	2,879	1,374	
WV.....	6,632	1	724	4,732	0	40,575	36,719	2,980	651	610	
WY.....	434,468	31	41,608	176,217	3,966,178	3,084,756	3,251,972	184,973	1,086	941	
WY.....	210,454	15	27,505	67,931	8,634	2,672,685	2,473,438	139,477	3,146	900	
US.....	18,768,197	1,055	2,134,836	11,289,831	144,000,738	267,426,340	233,260,145	14,226,709	1,419	951	
PR.....	238,727	1	15,456	507,297	3,851,085	0	3,208,339	254,947	.....	.....	
VI.....	430	1	97	853	0	0	0	0	.....	.....	
Total.....	19,007,855	1,057	2,150,389	11,797,981	147,851,823	267,426,340	236,468,484	14,481,656	.....	.....	

<sup>1</sup> State totals represent data for borrowers incorporated within the State.

<sup>2</sup> Actual funds advanced out of REA loans approved, as shown in table 611.

<sup>3</sup> Cumulative.

<sup>4</sup> Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1989, there were 107 such borrowers with 129,967 miles energized and 653,394 consumers served.

<sup>5</sup> Includes 155,739,648 thousands of Kw-hr. sold by one REA borrower to another.

<sup>6</sup> Excludes energy sales and revenues of power sold by one REA borrower to another.

<sup>7</sup> Includes rural nonfarm and farm consumers.

**Table 613.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, United States and Territories, 1974–89**

Year	Total advances as of Jan. 1 <sup>1</sup>	Statistics for borrowers in operation							Average monthly kw.-hr. consumption per consumer	
		As of Jan. 1			During year				All consumers	Residential consumers <sup>4</sup>
		Bor- rowers	Miles ener- gized <sup>2</sup>	Consum- ers served <sup>2</sup>	Kw.-hr. generated	Kw.-hr. pur- chased <sup>3</sup>	Kw.-hr. sales <sup>3</sup>	Total revenue <sup>3</sup>		
<i>1,000 dollars</i>	<i>Num- bers</i>	<i>Miles</i>	<i>Number</i>	<i>1,000 kw.-hr.</i>	<i>1,000 kw.-hr.</i>	<i>1,000 kw.-hr.</i>	<i>1,000 dollars</i>	<i>Kw.-hr.</i>	<i>Kw.-hr.</i>	
1974.....	8,070,542	1,046	1,766,701	7,457,123	32,795,053	84,520,287	105,690,807	2,316,436	1,149	803
1975.....	8,755,257	1,047	1,797,525	7,767,813	33,462,818	91,874,602	112,669,814	2,971,882	1,191	840
1976.....	9,508,607	1,050	1,827,896	8,017,654	38,660,059	100,139,618	124,004,376	3,556,049	1,254	866
1977.....	10,143,415	1,048	1,857,434	8,311,779	46,014,515	102,626,911	131,547,776	4,212,317	1,313	910
1978.....	10,868,424	1,051	1,890,173	8,630,818	52,472,215	107,477,358	141,908,005	5,009,862	1,339	937
1979.....	11,662,272	1,052	1,917,859	8,962,540	60,181,476	109,060,591	150,055,226	5,770,136	1,335	919
1980.....	12,588,246	1,050	1,950,394	9,275,086	69,536,829	111,231,691	160,243,316	6,902,533	1,361	935
1981.....	13,513,686	1,050	1,978,758	9,523,552	77,231,104	111,516,120	167,687,587	8,294,511	1,337	901
1982.....	14,454,331	1,051	2,009,504	9,844,319	81,568,123	111,574,193	172,731,820	9,691,692	1,326	905
1983.....	15,208,521	1,055	2,036,416	10,096,448	93,058,714	117,966,290	187,193,706	11,175,321	1,317	896
1984.....	15,865,444	1,060	2,057,702	10,555,401	106,753,172	125,172,354	209,063,661	12,217,509	1,364	914
1985.....	16,489,186	1,060	2,082,093	10,836,358	120,372,848	118,618,780	215,175,311	13,075,624	1,360	906
1986.....	17,093,166	1,059	2,100,005	11,110,158	120,831,669	115,456,553	215,599,260	13,502,228	1,351	920
1987.....	17,806,064	1,057	2,122,550	11,357,105	137,302,039	107,963,444	223,965,317	13,901,489	1,358	925
1988.....	18,437,359	1,058	2,142,419	11,623,110	147,851,823	111,686,692	236,468,484	14,481,656	1,419	951
1989 <sup>5</sup> .....	19,007,355	1,057	2,150,389	11,797,981	.....	.....	.....	.....	.....	.....

<sup>1</sup> Cumulative from organization, May 11, 1935.

<sup>2</sup> Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1989, there were 107 such borrowers with 129,967 miles energized and 653,894 consumers served.

<sup>3</sup> Excludes energy sales and revenues of power sold by one REA borrower to another. Includes patronage capital.

<sup>4</sup> Includes rural nonfarm and farm consumers.

<sup>5</sup> Actual funds advanced out of REA loans approved, as shown in table 611.

Rural Electrification Administration.

FOOTNOTES FOR TABLE 609

<sup>1</sup> Agricultural Cooperative Service, U.S. Department of Agriculture.

<sup>2</sup> When associations marketing farm products but principally engaged in providing some other services are included, the total is 3,612.

<sup>3</sup> When associations purchasing farm supplies but principally engaged in providing some other services are included, the total is 3,963.

<sup>4</sup> Includes trucking, storage, grinding, locker plant, and other services.

<sup>5</sup> When associations providing miscellaneous services but principally engaged in marketing or farm-supply activities are included, the total is 3,719.

<sup>6</sup> Farm Credit Administration.

<sup>7</sup> Credit Union National Association, Inc.

<sup>8</sup> Rural Electrification Administration, U.S. Department of Agriculture.

<sup>9</sup> Includes associations that are REA repaid borrowers.

<sup>10</sup> Includes only memberships of associations financed by REA.

<sup>11</sup> Agriculture Research Service, U.S. Department of Agriculture.

n.a. not available.

Agricultural Cooperative Service.



**Table 614.—Farmers Home Administration: Loans made to organizations and associations for community projects, and loans outstanding, United States and Territories, 1974-89 <sup>1</sup>**

Year	Water and waste loans			Recreation loans			Watershed and flood prevention organization loans		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars
1974.....	679	572,160	1,197,399	( <sup>2</sup> )	142	98,641	26	18,643	50,029
1975.....	648	456,125	1,453,806	( <sup>2</sup> )	46	100,640	13	19,800	54,972
1976.....	631	472,932	1,909,706	( <sup>3</sup> )	( <sup>3</sup> )	98,954	12	6,877	58,748
1977.....	1,076	693,046	2,143,117			91,140	8	5,166	60,916
1978.....	789	824,234	2,584,580			87,753	11	11,692	67,704
1979.....	846	876,650	2,908,602			<sup>4</sup> 84,649	3	4,818	<sup>4</sup> 67,550
1980.....	874	764,248	3,620,983			82,069	9	11,947	69,891
1981.....	765	603,059	4,220,819			79,400	5	14,858	70,674
1982.....	435	381,316	4,771,764			77,081	2	1,754	71,642
1983.....	522	593,298	5,392,308			73,993	0	110	73,064
1984.....	259	263,600	5,744,728			70,319	0	0	73,025
1985.....	363	357,565	6,187,239			66,449	1	2,233	75,011
1986.....	298	343,680	6,518,415			63,190	2	473	75,001
1987.....	275	341,935	6,667,123			59,977	0	0	72,446
1988.....	308	335,630	5,247,150			58,436	0	0	71,402
1989.....			4,070,266			53,978			74,116

  

Year	Resource conservation and development and rural renewal loans			Business and industrial development loans			Community facility loans			Economic opportunity loans to cooperatives		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars
1974.....	15	1,178	12,855	484	246,012		165	67,779				13,311
1975.....	14	1,741	13,842	622	408,435	757	399	276,632	8,863			12,445
1976.....	17	2,388	14,457	412	391,703	8,661	291	192,895	85,786			11,392
1977.....	8	1,006	11,764	504	377,619	11,201	282	188,397	208,381			8,566
1978.....	4	1,137	12,147	1,168	1,150,006	20,511	352	245,373	324,373			6,896
1979.....	9	1,878	<sup>4</sup> 12,942	1,275	1,104,011	<sup>4</sup> 22,256	521	274,689	<sup>4</sup> 463,623			<sup>4</sup> 6,128
1980.....	6	1,850	13,392	812	1,169,050	33,404	564	238,793	700,841			4,592
1981.....	12	1,934	14,307	385	434,787	32,916	577	219,957	937,483			4,237
1982.....	4	885	14,234	65	130,521	37,763	167	119,467	1,159,666			3,924
1983.....	3	1,207	14,397	57	114,096	38,645	129	133,961	1,363,275			3,581
1984.....		30	15,132	60	97,183	38,067	105	127,870	1,439,344			3,376
1985.....	1	500	15,530	37	54,284	41,954	152	127,095	1,508,270			2,827
1986.....	0	0	14,929	31	55,263	40,803	95	84,090	1,541,675			2,426
1987.....	0	0	14,188	53	108,753	38,042	148	110,439	1,573,277			2,151
1988.....	0	0	13,494	83	104,983	37,382	173	96,756	1,123,011			2,691
1989.....			12,357			21,571			1,018,217			2,480

<sup>1</sup> Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

<sup>2</sup> Recreation association loans are made only to subsequent borrowers who received an initial loan in a prior year.

<sup>3</sup> Funding for this program is no longer available.

<sup>4</sup> Latest data available as of September 30, 1978.

<sup>5</sup> Discontinued.

Farmers Home Administration.

**Table 615.—Loans to farmers' cooperative organizations: <sup>1</sup> Outstanding amounts held by the banks for cooperatives, classified by type of loan, United States, Jan. 1, 1974-89 <sup>2</sup>**

Year	Operating capital loans	Facility loans	Year	Operating capital loans	Facility loans
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974 .....	1,306,431	1,283,396	1982 <sup>1</sup> .....	4,195,537	4,927,878
1975 .....	1,991,100	1,595,388	1983 .....	3,086,662	5,115,004
1976 .....	2,109,854	1,878,007	1984 .....	4,247,476	4,736,128
1977 .....	2,721,034	2,340,635	1985 .....	3,986,367	4,650,183
1978 .....	2,900,182	2,831,537	1986 .....	2,651,369	4,912,440
1979 .....	3,028,524	3,188,501	1987 .....	2,416,795	4,588,297
1980 .....	4,369,672	3,777,786	1988 .....	3,326,506	4,387,016
1981 .....	5,215,863	4,289,665	1989 .....	3,202,704	4,217,559

<sup>1</sup> Data for 1982 are net of unearned income.

<sup>2</sup> Includes Puerto Rico.

Farm Credit Administration.

**Table 616.—Telephones: Number of farms and percentage of all farms with telephone service and average monthly bill, United States, 1973-87 <sup>1</sup>**

Year	Number of farms with telephone service	Percentage of all farms with telephone service	Average monthly bill	Year	Number of farms with telephone service	Percentage of all farms with telephone service	Average monthly bill
	<i>Thousands</i>	<i>Percent</i>	<i>Dollars</i>		<i>Thousands</i>	<i>Percent</i>	<i>Dollars</i>
1973 .....	2,454	87	6.45	1981 .....	2,316	95	11.50
1974 .....	2,474	88	7.16	1982 .....	2,304	97	12.80
1975 .....	2,282	91	7.87	1983 .....	2,277	96	14.40
1976 .....	2,289	92	9.00	1984 .....	( <sup>2</sup> )	( <sup>2</sup> )	15.60
1977 .....	2,258	92	9.62	1985 .....			16.40
1978 .....	2,262	93	10.30	1986 .....			( <sup>2</sup> )
1979 .....	2,273	94	10.60	1987 .....			
1980 .....	2,280	94	10.80				

<sup>1</sup> Based on an annual survey made in July and August, reporting data from the most recent bill—usually June or July.

<sup>2</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 617.—Rural Electrification Administration: Annual revenues and expenses reported by electric borrowers, United States, 1974–88**

Year	Operating revenue	Operating expense	Interest expense	Depreciation and amortization expense	Net margins <sup>1</sup>	Total utility plant
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	2,905,127	2,387,240	128,036	262,013	180,481	10,109,337
1975.....	3,887,688	3,257,727	181,127	291,742	210,682	11,845,119
1976.....	4,725,869	3,976,370	214,947	328,245	264,606	14,031,055
1977.....	5,802,326	4,878,108	291,138	371,491	340,311	17,265,848
1978.....	7,038,706	5,924,401	386,331	431,372	389,250	20,352,316
1979.....	8,061,512	6,735,053	514,826	500,848	443,256	23,620,001
1980.....	9,706,783	8,149,970	706,931	585,533	396,977	28,444,246
1981.....	11,759,376	9,828,959	920,760	685,295	518,996	34,633,972
1982.....	13,982,308	11,391,946	1,328,619	803,108	853,332	40,045,511
1983.....	15,736,190	12,590,141	1,576,040	905,907	914,055	45,066,850
1984.....	18,002,160	14,537,859	1,871,276	1,009,377	1,043,918	48,277,970
1985.....	19,192,639	15,400,874	2,142,551	1,112,915	968,126	51,467,029
1986.....	19,942,767	15,837,161	2,381,503	1,243,538	949,786	54,498,399
1987.....	20,500,204	16,060,730	2,668,876	1,408,936	747,826	55,454,335
1988.....	21,226,292	16,678,223	2,742,793	1,453,262	758,237	54,039,460

Rural Electrification Administration.

**Table 618.—Electricity: Estimated average monthly kilowatt-hours used, cost per kilowatt-hour, and average monthly bill per farm, United States, 1973–87<sup>1</sup>**

Year	Average monthly kw.-hr. used	Cost per kw.-hr.	Average monthly bill	Year	Average monthly kw.-hr. used	Cost per kw.-hr.	Average monthly bill	Year	Average monthly kw.-hr. used	Cost per kw.-hr.	Average monthly bill
	<i>Kw.-hr.</i>	<i>Cents</i>	<i>Dol-lars</i>		<i>Kw.-hr.</i>	<i>Cents</i>	<i>Dol-lars</i>		<i>Kw.-hr.</i>	<i>Cents</i>	<i>Dol-lars</i>
1973.....	1,048	2.31	24.20	1978.....	1,334	3.98	53.20	1983.....	1,427	6.48	92.50
1974.....	1,084	2.66	28.80	1979.....	1,239	4.24	55.10	1984.....	1,440	6.83	98.00
1975.....	1,150	3.07	35.30	1980.....	1,313	4.72	61.90	1985.....	1,450	7.17	104.00
1976.....	1,305	3.35	43.70	1981.....	1,307	5.34	69.80	1986.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1977.....	1,311	3.68	48.10	1982.....	1,355	6.19	83.90	1987.....			

<sup>1</sup> Based on an annual survey made in July and August, reporting data from the most recent bill—usually June or July.<sup>2</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 619.—Rural Electrification Administration: Annual revenues, expenses, and total telephone plant reported by telephone borrowers, United States, 1974-88**

Year	Borrowers reporting	Operating revenues	Operating expenses	Interest expense	Depreciation and amortization expense	Net income or margin <sup>1</sup>	Total telephone plant <sup>2</sup>
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	848	659,732	366,052	53,830	146,475	91,261	3,422,388
1975.....	858	753,100	422,396	66,202	166,709	95,456	3,549,740
1976.....	876	899,335	703,300	85,705	195,087	112,397	4,373,731
1977.....	896	1,086,604	854,119	101,996	232,251	131,485	5,073,933
1978.....	902	1,305,261	754,020	117,455	270,383	160,807	5,769,947
1979.....	919	1,539,743	883,890	140,605	312,337	199,589	6,557,728
1980.....	936	1,757,740	1,015,255	167,764	361,059	216,356	7,388,150
1981.....	949	2,042,065	1,186,675	192,568	423,536	261,656	8,083,939
1982.....	950	2,388,847	1,407,406	215,923	483,498	313,593	8,897,003
1983.....	949	2,642,505	1,516,428	231,580	557,648	369,061	9,581,783
1984.....	946	2,910,194	1,665,204	247,370	603,913	453,002	10,194,739
1985.....	942	3,108,223	1,793,557	261,690	627,547	492,001	10,670,875
1986.....	935	3,180,792	1,840,849	265,183	642,118	514,495	10,917,495
1987.....	920	3,339,427	1,880,660	274,736	694,991	597,680	11,621,095
1988.....	913	3,598,291	2,004,638	276,539	751,206	690,583	12,071,384

<sup>1</sup> Includes other income and deductions (net) unregulated and extraordinary and delayed items beginning 1984.<sup>2</sup> Investment in physical plant and related facilities.

Rural Electrification Administration.

**Table 620.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, United States, 1974-89**

Year	Total advances as of Jan. 1 <sup>1</sup>		Operating statistics as of Jan. 1			Revenues for year ending Dec. 31
	REA	RTB	Borrowers reporting	Employees	Total subscribers	
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>1,000 dollars</i>
1974.....	1,933,685	80,832	831	17,446	2,725,030	659,732
1975.....	2,070,171	207,379	848	19,580	2,919,113	753,100
1976.....	2,211,707	334,737	858	20,045	3,045,292	899,335
1977.....	2,370,610	429,329	876	21,188	3,283,223	1,086,604
1978.....	2,526,906	515,020	895	23,475	3,599,069	1,305,261
1979.....	2,674,893	660,210	902	26,270	3,877,060	1,539,743
1980.....	2,892,056	793,682	919	27,936	4,072,709	1,757,740
1981.....	3,150,443	997,293	936	28,441	4,262,359	2,042,065
1982.....	3,415,708	1,136,115	949	28,677	4,374,947	2,388,847
1983.....	3,639,548	1,242,381	950	28,805	4,545,576	2,642,505
1984.....	3,819,768	1,339,880	949	28,867	4,628,778	2,910,194
1985.....	4,002,328	1,421,596	946	28,743	4,746,909	3,108,223
1986.....	4,133,786	1,488,332	942	28,297	4,792,145	3,180,792
1987.....	4,375,927	1,555,382	935	27,805	4,832,686	3,339,427
1988.....	4,541,547	1,627,263	920	27,975	5,004,558	3,598,291
1989 <sup>2</sup> .....	4,707,800	1,747,637	913	27,454	5,096,867	.....

<sup>1</sup> Cumulative from organization, Oct. 28, 1949.<sup>2</sup> Actual funds advanced out of loans approved, as shown in table 622.

Rural Electrification Administration.

**Table 621.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, as of Jan. 1, 1989 and revenues for 1987, by States and Territories <sup>1</sup>**

State and Territory	Total advances as of Jan. 1, 1989 <sup>2 3</sup>		Operating statistics as of Jan. 1, 1989		Revenues for 12 months ending Dec. 31, 1987 <sup>4</sup>
	REA	RTB	Borrowers reporting	Total subscribers	
	1,000 dollars	1,000 dollars	Number	Number	
AL.....	128,768	68,457	25	133,780	82,736
AK.....	100,953	58,526	12	72,700	100,632
AZ.....	38,270	54,662	5	110,639	117,263
AR.....	86,193	45,644	17	186,625	109,738
CA.....	77,195	40,890	12	50,245	60,562
CO.....	39,145	17,675	15	25,784	24,153
CT.....					
DE.....					
FL.....	38,916	32,803	6	88,235	66,099
GA.....	209,969	113,583	25	329,106	204,077
HI.....					
ID.....	31,551	7,720	11	16,537	14,183
IL.....	68,383	17,875	23	82,297	48,594
IN.....	89,104	17,186	28	83,205	43,649
IA.....	123,219	30,139	78	157,841	88,757
KS.....	160,147	35,997	31	137,413	100,775
KY.....	214,162	42,229	16	188,167	95,021
LA.....	87,759	28,869	18	85,639	70,160
ME.....	25,532	27,352	13	74,765	45,279
MD.....	2,061	2,327	1	4,066	1,885
MA.....	1,835	520	1	2,265	1,413
MI.....	81,973	40,716	29	136,624	71,392
MN.....	226,595	74,616	64	274,485	155,731
MS.....	81,391	10,031	16	60,374	38,988
MO.....	164,923	41,244	22	249,566	167,222
MT.....	144,820	1,972	11	36,685	35,616
NE.....	92,908	24,622	32	70,264	48,473
NV.....	5,332	7,289	3	4,411	3,984
NH.....	11,337	9,316	6	22,998	14,454
NJ.....	14,295	16,554	1	120,736	78,578
NM.....	141,299		8	23,214	33,294
NY.....	37,998	35,752	27	118,690	63,015
NC.....	177,125	80,005	19	312,601	171,607
ND.....	153,570	13,918	13	63,144	39,282
OH.....	25,530	4,392	17	20,901	10,571
OK.....	179,327	86,618	28	135,706	104,312
OR.....	47,784	32,071	21	55,136	44,282
PA.....	66,184	146,070	22	893,624	222,109
RI.....					
SC.....	171,380	101,041	19	217,932	118,010
SD.....	146,326	16,454	19	55,141	35,866
TN.....	228,232	58,973	21	212,347	105,395
TX.....	395,684	114,996	41	174,349	166,236
UT.....	27,011	5,714	8	11,175	10,649
VT.....	4,785	6,645	5	12,193	7,714
VA.....	58,586	14,993	9	43,607	24,070
WA.....	34,276	13,716	14	28,381	21,539
WV.....	48,146	15,926	7	54,986	34,239
WI.....	228,011	121,210	86	313,651	152,612
WY.....	11,749	5,241	6	9,006	9,056
US.....	4,530,241	1,743,048	911	5,061,286	3,263,222
Micronesia (FM).....					
GU.....	50,670	3,527	1	29,947	15,850
Marshall Isl. (MH).....					
Mariana Isl. (MP).....	11,212	1,062	1	5,634	7,032
PR.....	115,677				53,323
Total.....	4,707,800	1,747,637	913	5,096,867	3,339,427

<sup>1</sup> Preliminary, except total advances. State totals represent data for borrowers incorporated within the State.

<sup>2</sup> Actual funds advanced out of loans approved, as shown in table 622.

<sup>3</sup> Cumulative.

<sup>4</sup> Reported 920 borrowers.

Rural Electrification Administration.

**Table 622.—Rural Electrification Administration and Rural Telephone Bank: Telephone financing approved, route miles of line, and number of subscribers, by States, from organization (Oct. 28, 1949) to Jan. 1, 1989 <sup>1</sup>**

State	Total financing as of Jan. 1, 1989				Operating statistics for year 1988			
	Borrowers	REA loans	RTB loans	REA guarantee commitments	Rt. mi. of line provided for by financing (total)	Subscribers provided for by financing		
						Total	To receive initial service	To receive improved service
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Miles</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AL.....	26	147,907	101,126	11,901	48	626	626	.....
AK.....	12	137,718	81,123	46,943	8	92	92	.....
AZ.....	5	39,910	94,307	5,000	.....	.....	.....	.....
AR.....	21	98,380	49,304	35,744	.....	.....	.....	.....
CA.....	14	84,982	50,611	10,396	.....	.....	.....	.....
CO.....	18	46,176	18,525	.....	.....	.....	.....	.....
CT.....	.....	.....	.....	.....	.....	.....	.....	.....
DE.....	.....	.....	.....	.....	.....	.....	.....	.....
FL.....	9	42,897	50,275	76,556	.....	.....	.....	.....
GA.....	27	232,434	154,929	82,184	399	7,480	7,480	.....
HI.....	.....	.....	.....	.....	.....	.....	.....	.....
ID.....	12	34,739	10,520	.....	.....	.....	.....	.....
IL.....	26	74,102	20,054	.....	22	57	57	.....
IN.....	36	96,818	25,526	.....	2	61	61	.....
IA.....	87	135,680	54,231	9,700	32	155	155	.....
KS.....	31	204,479	42,496	11,434	75	15	15	.....
KY.....	17	235,469	49,328	28,840	100	1,200	1,200	.....
LA.....	19	101,946	56,283	13,651	.....	.....	.....	.....
ME.....	13	30,705	44,779	1,875	55	2,291	2,291	.....
MD.....	1	2,061	2,327	.....	.....	.....	.....	.....
MA.....	1	1,835	1,040	.....	.....	.....	.....	.....
MI.....	33	96,638	62,563	2,953	26	404	404	.....
MIN.....	66	259,246	85,673	10,239	74	536	536	.....
MS.....	16	95,404	16,120	5,200	13	1,730	222	1,508
MO.....	27	193,826	50,336	47,203	114	837	85	752
MT.....	12	167,468	1,972	.....	.....	.....	.....	.....
NE.....	35	104,898	33,730	.....	.....	.....	.....	.....
NV.....	4	7,603	7,586	.....	.....	.....	.....	.....
NH.....	7	13,837	14,868	.....	67	1,069	1,069	.....
NJ.....	1	14,295	16,554	3,084	.....	.....	.....	.....
NM.....	8	154,327	.....	.....	.....	.....	.....	.....
NY.....	28	40,892	53,363	18,220	16	1,119	1,119	.....
NC.....	20	198,021	131,493	31,158	35	610	610	.....
ND.....	13	182,627	13,918	.....	252	143	143	.....
OH.....	18	30,455	7,116	.....	248	1,771	169	1,602
OK.....	29	196,886	97,778	2,744	54	90	90	.....
OR.....	27	54,860	39,792	18,228	.....	.....	.....	.....
PA.....	29	73,533	166,587	43,247	8	323	323	.....
RI.....	.....	.....	.....	.....	.....	.....	.....	.....
SC.....	19	194,933	169,232	7,885	673	5,578	5,578	.....
SD.....	20	176,269	16,454	.....	140	613	613	.....
TN.....	21	299,607	72,509	14,358	83	2,199	2,199	.....
TX.....	60	462,420	172,892	76,131	574	688	688	.....
UT.....	8	38,487	10,210	.....	528	419	254	165
VT.....	5	4,785	6,955	.....	.....	.....	.....	.....
VA.....	12	58,593	20,201	.....	.....	.....	.....	.....
WA.....	19	37,628	19,832	.....	.....	.....	.....	.....
WV.....	7	61,071	18,421	5,250	72	197	197	.....
WI.....	87	246,007	140,019	23,700	231	1,027	385	642
WY.....	6	11,797	5,692	.....	.....	.....	.....	.....
Microne- sia.....	1	41,000	.....	.....	.....	.....	.....	.....
GU.....	1	106,298	19,610	.....	1,248	27,405	27,405	.....
Marshall Isl.....	1	18,800	.....	.....	.....	.....	.....	.....
Mariana Isl.....	1	11,212	4,091	.....	.....	.....	.....	.....
PR.....	1	115,677	15,117	.....	.....	.....	.....	.....
US.....	1,017	5,517,140	2,397,466	643,824	5,197	58,735	54,066	4,669

<sup>1</sup> State totals represent data for borrowers incorporated within the State.  
Rural Electrification Administration.

## CHAPTER XI

# STABILIZATION AND PRICE-SUPPORT PROGRAMS

The statistics in this chapter relate to activities of the Commodity Credit Corporation, cropland diversion and production adjustment programs, and marketing agreement and order programs for fruits and vegetables. Statistics for Federal Milk Marketing Order programs are contained in chapter VIII.

**Table 623.—Commodity Credit Corporation: Price support granted on 1987 crop, United States and Territories <sup>1</sup>**

Commodity	Unit	Through Sept. 30, 1987	
		Quantity	Value
		<i>Millions</i>	<i>Million dollars</i>
Cotton, upland.....	Bale .....	5.8	1,455.3
Cotton, extra-long staple.....	.....do .....	0	0
Seed cotton, upland.....	Pound .....	0	9.9
Seed cotton, extra-long staple.....	.....do .....	0	0
Wheat .....	Bushel .....	682.5	1,686.4
Corn.....	.....do .....	7,956.1	14,641.2
Honey.....	Pound.....	0	134.5
Milk and butterfat:			
Butter.....	Pound.....	324.1	433.3
Cheese.....	.....do .....	321.4	391.9
Dried milk.....	.....do .....	394.2	299.4
Tobacco.....	.....do .....	102.0	199.7
Rice, rough.....	Cwt .....	90.7	620.0
Grain sorghum.....	Bushel.....	499.7	1,150.1
Peanuts, farmers' stock.....	Pound.....	689.0	102.9
Oats.....	Bushel.....	3.2	3.0
Barley.....	.....do .....	201.9	313.0
Beans, dry edible.....	Pound.....	.7	13.9
Rye.....	Bushel.....	14.3	20.9
Soybeans.....	.....do .....	252.7	1,197.0
Sugar:			
Beets.....	Pound.....	<sup>3</sup> 278.7	<sup>3</sup> 35.6
Cane.....	.....do .....	31.6	1,009.5
Special purchase programs <sup>2</sup> .....		1,521.0	244.4
<b>Total .....</b>		<b>12,812.2</b>	<b>23,890.7</b>

<sup>1</sup> Consists of loans made and acquisitions under commodity loan and purchase programs.

<sup>2</sup> Commodities included in "Special purchase programs" for 1986 crop are wheat flour, corn products, wheat products, rolled oats, vegetable oil products, blended food products, soya flour, feed for Government facilities, foundation seeds, sorghum grits, peanut products, milled rice, brown rice, and textured soya rice.

<sup>3</sup> Denotes decrease or loss.

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Table 624.—Commodity Credit Corporation: Price-supported commodities owned as of Dec. 31, 1974-88 <sup>1</sup> (Inventory quantity)

Year	Barley	Butter and butter oil	Cheese	Corn	Cotton	Dry beans	Flaxseed	Sorghum grain	Nonfat dry milk
	Million bushels	Million pounds	Million pounds	Million bushels	1,000 bales	Million cwt.	Million bushels	Million bushels	Million pounds
1974.....	( <sup>3</sup> )	17	2	6	( <sup>3</sup> )	0	0.1	1	172
1975.....	( <sup>3</sup> )	3	5	( <sup>3</sup> )	( <sup>2</sup> )				442
1976.....		21	5	( <sup>3</sup> )				( <sup>3</sup> )	453
1977.....	( <sup>3</sup> )	198	95	1	( <sup>2</sup> )			1	708
1978.....	1	207	35	77	( <sup>2</sup> )			37	658
1979.....	3	177	5	100	( <sup>3</sup> )			45	529
1980.....	4	331	244	254	( <sup>3</sup> )			44	707
1981.....	3	449	644	248	( <sup>3</sup> )			38	944
1982.....	5	503	945	429	( <sup>3</sup> )			47	1,377
1983.....	11	578	1,097	1,230	1			189	1,718
1984.....	13	401	918	296	0			106	1,489
1985.....	47	304	882	477				161	1,328
1986.....	85	326	819	1,265	874			398	995
1987.....	84	230	474	1,843	( <sup>2</sup> )			538	455
1988.....	38	234	123	679	( <sup>2</sup> )			454	123

Year	Oats	Peanuts <sup>4</sup>	Rice <sup>5</sup>	Rye	Soybeans	Tung oil	Wheat	Value of all commodities owned <sup>6</sup>
	Million bushels	Million pounds	Million cwt.	Million bushels	Million bushels	Million pounds	Million bushels	Million dollars
1974.....	69			2.6	0	1	15	188
1975.....	36	365	( <sup>3</sup> )	( <sup>3</sup> )			( <sup>3</sup> )	402
1976.....	3	92	19.1				( <sup>3</sup> )	634
1977.....	( <sup>2</sup> )	( <sup>2</sup> )	18.6				34	1,104
1978.....	2		10.4	( <sup>2</sup> )	( <sup>2</sup> )		50	1,186
1979.....	3		8.1	( <sup>3</sup> )	( <sup>2</sup> )		50	1,237
1980.....	3		1.7	( <sup>3</sup> )	( <sup>2</sup> )		203	2,802
1981.....	2		( <sup>3</sup> )	( <sup>3</sup> )	( <sup>2</sup> )		191	3,779
1982.....	1		18	( <sup>3</sup> )	14		185	5,507
1983.....	1		24	1	23		376	10,597
1984.....	2		26	6	3		419	6,664
1985.....	2		43	16	124		557	8,309
1986.....	4	( <sup>2</sup> )	34	18	333		987	13,848
1987.....	3		8	18	212		883	12,331
1988.....	2		( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )		305	4,856

<sup>1</sup> Commodities which were owned by CCC in some years but not shown in this table are as follows: Cottonseed and products, naval stores, wheat products, corn products, oat products, rice products, vegetable oil, honey, mixed feed, linseed oil, foundation seeds, and peanut products.

<sup>2</sup> Less than 50,000 units.

<sup>3</sup> Less than 500,000 units.

<sup>4</sup> Farmers' stock basis; includes farmers' stock equivalent of shelled peanuts.

<sup>5</sup> Rough basis; includes milled rice in rough equivalent.

<sup>6</sup> The total value of all commodities owned by CCC, including price-supported commodities not shown and commodities acquired under programs other than price-support programs.

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**Table 625.—Commodity Credit Corporation: Loans made, United States and Territories, by crop years, 1983-88 <sup>1</sup>**

Commodity	Unit	1983		1984		1985	
		Quantity pledged	Face amount	Quantity pledged <sup>2</sup>	Face amount <sup>2</sup>	Quantity pledged	Face amount
Barley.....	1,000 bushels.....	10,822	1,000 dollars 22,135	27,985	1,000 dollars 55,099	79,768	1,000 dollars 157,052
Corn.....	1,000 bushels.....	369	1,058	2,290	6,270	56,868	156,478
Cotton.....	1,000 bales.....						
Seed cotton.....	1,000 pounds.....						
Dry beans.....	1,000 cwt.....						
Flaxseed.....	1,000 bushels.....						
Honey.....	1,000 pounds.....	30,619	19,012	42,299	27,436	37,129	23,513
Naval stores: Rosin.....	1,000 pounds.....						
Oats.....	1,000 bushels.....	1,377	1,749	2,060	2,511	2,301	2,868
Peanuts.....	1,000 tons.....	38,693	6,458	92,722	9,495	176,080	21,206
Rice.....	1,000 cwt.....	86	747	3,166	27,099	5,980	52,777
Rye.....	1,000 bushels.....	2,227	4,844	6,662	14,069	2,835	6,000
Sorghum grain.....	1,000 bushels.....	427	1,126	8,952	22,969	59,315	154,520
Soybeans.....	1,000 bushels.....					1,057	5,369
Storage facility and equipment.....		10,075	87,803	79	652,183	84	558,827
Tobacco.....	1,000 pounds.....	116,490	234,208	79,744	141,095	76,077	189,143
Wheat.....	1,000 bushels.....	357,469	1,309,738	175,455	579,085	567,682	1,907,458

Commodity	Unit	1986		1987		1988	
		Quantity pledged	Face amount	Quantity pledged	Face amount	Quantity pledged	Face amount
Barley.....	1,000 bushels.....	67,896	1,000 dollars 96,710	57,138	1,000 dollars 77,976	13,848	1,000 dollars 19,222
Corn.....	1,000 bushels.....	59,188	114,611	290,323	563,745	18,757	35,688
Cotton.....	1,000 bales.....	202	54,814	25	6,558	372	94,829
Seed cotton.....	1,000 pounds.....			1,051	562		
Dry beans.....	1,000 cwt.....						
Flaxseed.....	1,000 bushels.....						
Honey.....	1,000 pounds.....	66,789	40,510	46,594	29,141	94,516	55,860
Naval stores: Rosin.....	1,000 pounds.....						
Oats.....	1,000 bushels.....	4,139	3,791	1,419	1,282	625	560
Peanuts.....	1,000 tons.....	8,619	758	19,343	2,700	24,511	4,092
Rice.....	1,000 cwt.....	28,179	202,790	21,474	151,429	21,422	143,726
Rye.....	1,000 bushels.....	3,249	4,928	4,472	6,407	230	326
Sorghum grain.....	1,000 bushels.....	43,809	82,323	77,596	146,003	5,144	9,203
Soybeans.....	1,000 bushels.....	314	1,453	4,384	20,808	1,300	6,108
Storage facility and equipment.....		111	506,824	12	236,007	76	525,360
Tobacco.....	1,000 pounds.....	4,912	13,959	12,651	25,346	8,761	13,885
Wheat.....	1,000 bushels.....	274,603	640,427	259,604	582,180	86,780	190,661

<sup>1</sup> Includes loans made directly by Commodity Credit Corporation.

<sup>2</sup> Loans through Sept. 30, 1984.

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Table 626.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, fiscal year 1988

Program and commodity	Unit	Quantity					Value				
		Inventory Oct. 1, 1987	Pur- chases	Collateral acquired from loans	Sales	Inventory Sept. 30, 1988	Inventory Oct. 1, 1987	Purchases	Collateral acquired from loans	Sales proceeds	Inventory Sept. 30, 1988
Feed grains:		<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Barley.....	Bushel.....	84,320	80,117	19,323	141,227	41,889	176,509	143,903	34,098	190,676	84,829
Corn.....	do.....	1,540,430	3,802,887	634,796	5,097,544	.....	4,172,148	7,184,675	1,299,001	7,828,935	2,196,542
Corn products.....	Pound.....	159,993	103,827	.....	.....	.....	.....	12,962	.....	7,134	.....
Grain sorghum.....	Bushel.....	453,099	302,217	180,672	444,144	489,824	1,243,986	535,542	399,111	655,686	1,267,864
Sorghum grits.....	Pound.....	25,584	25,584	.....	25,584	.....	.....	2,229	.....	2,273	.....
Oats.....	Bushel.....	3,269	276	324	1,373	2,488	4,516	389	450	2,565	3,461
Oats, rolled.....	Pound.....	40	17,105	.....	12,291	.....	8	3,187	.....	2,329	.....
Rye.....	Bushel.....	17,433	5,776	1,548	9,491	15,276	38,831	8,614	2,494	8,973	33,439
Total feed grains.....		2,098,591	4,393,955	836,663	5,835,481	549,477	5,635,998	7,891,501	1,735,154	8,698,571	3,586,135
Wheat.....	Bushel.....	876,752	222,001	113,941	882,227	314,357	3,272,227	653,190	397,775	1,836,483	1,208,129
Wheat flour.....	Pound.....	919	487,135	.....	231,594	.....	77	47,436	.....	19,031	.....
Wheat products, other.....	do.....	277	282,199	.....	265,395	.....	52	25,775	.....	22,260	.....
Rice, milled.....	Cwt.....	41	2,258	.....	2,346	5	638	34,877	.....	15,738	83
Rice, rough.....	Cwt.....	9,520	(10,136)	1,443	(3,383)	2,728	79,594	(68,679)	10,526	5,096	15,675
Rice, brown.....	Cwt.....	4	281	.....	.....	42	.....	51	.....	.....	8
Cotton, extra long staple.....	Bale.....	3	7	.....	.....	.....	1,760	.....	1,094	3,368	.....
Upland.....	do.....	79	452	29	551	8	21,786	130,219	7,028	(8,508)	1,622
Dairy products:											
Butter.....	Pound.....	202,971	324,146	.....	4,165	243,228	311,028	433,289	.....	1,602	361,077
Cheese.....	do.....	462,543	321,425	.....	49,280	154,089	636,527	391,908	.....	20,704	221,224
Milk, dried.....	do.....	501,007	394,223	.....	529,054	169,422	424,870	299,415	.....	114,795	145,034
Milkfat, anhydrous.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total dairy products.....		2,054,113	2,023,984	115,416	1,961,236	883,879	4,748,559	1,947,481	416,423	2,030,569	1,952,852

Oils and oilseeds:											
Peanuts, farmers' stock.....	Pound.....				3,984						
Peanut products.....	do.....		5,432					4,709			
Peanut butter.....	do.....	557	10,020				359	6,933			
Peanut oil, crude.....	do.....										
Peanut oil, refined.....	do.....										
Soya flour.....	do.....										
Soybeans.....	Bushel.....	232,030	(20,138)	10,398	218,851	2,914	1,190,142	(95,716)	75,338	1,253,033	14,674
Totals oils and oilseeds.....		557	(4,686)	10,398	222,835	2,914				1,253,033	
Blended foods.....	Pound.....		256,649		292,419			33,433		35,923	
Grains and seeds:											
Feed for Government facilities.....	Cwt.....		26		26			201		202	
Foundation seeds.....	Pound.....	178			120	58	250			118	81
Total grains and seeds.....		178	256,675		292,565	58	250	33,634		36,243	81
Peas, dry whole.....	Pound.....		14,090		14,090			2,118		2,160	
Honey.....	do.....	56,983	(1,743)	63,094	813	38,888	43,417	(1,068)	39,070	66	27,417
Denatured alcohol.....	Gallon.....										
Sugar, cane and beet.....	Pound.....	66,585	(299,758)		(233,174)		13,437	(38,012)		(24,575)	
Vegetable oil products.....	do.....	97	284,336		243,790		33	79,582		66,704	
Total inventory operations.....		123,665	(3,075)	63,094	25,519	38,888	56,887	42,620	39,070	44,355	27,417

<sup>1</sup> Sales do not reflect commodity donations.

( ) Negative.

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Table 627.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 1988 <sup>1</sup>

Commodity	Export		Domestic				Total export and domestic	
	Public law 480 Title II	Total export	Dollar sales	Transfers to other Government agencies	Donations <sup>1</sup>	Inventory adjustments and other recoveries (domestic)		Total domestic
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Feed grains:								
Barley.....			268,417		2,038	39	270,494	270,494
Corn.....	14,865	14,865	10,399,963		1,272	3,788	10,405,023	10,419,888
Corn products.....	6,994	6,994			5,969		5,969	12,963
Grain sorghum.....	4,469	4,469	902,621			78	902,699	907,168
Sorghum grits.....	2,229	2,229						2,229
Oats.....			1,892				1,892	1,892
Oats, rolled.....	2,283	2,283			912		912	3,195
Wheat.....	113,899	113,899	2,925,708		228	1,554	2,927,490	3,041,389
Wheat flour.....	18,647	18,647			28,006	1	28,007	46,654
Wheat products, other.....	21,811	21,811			4,011	5	4,016	25,827
Rice, milled.....	23,856	23,856			25,617		25,617	49,473
Rice, rough.....			(11,939)	86		56	(11,797)	(11,797)
Rice, brown and textured soy blend.....					43		43	43
Cotton, extra long staple and upland.....			146,036				146,036	146,036
Rye.....			16,646				16,646	16,646
Dairy products:								
Butter.....	2,304	2,304	227		305,796	333	306,356	308,660
Cheese.....	3,231	3,231	6,833		785,825	339	792,997	796,228
Milkfat, anhydrous.....								
Milk, dried.....	191,225	191,225	10,426		122,433	952	133,811	325,036
Oils and oilseeds:								
Peanut products.....					4,709		4,709	4,709
Peanut butter.....					7,292		7,292	7,292
Peanuts, farmer's stock.....			11				11	11
Soya flour.....								
Soybeans.....			1,151,880			(716)	1,151,164	1,151,164

Blended foods.....	63,671	63,671				29	29	63,700
Grains and seeds:								
Feed for Government facilities .....				201			201	201
Foundation seeds .....			169				169	169
Peas, dry whole.....	2,118	2,118						2,118
Honey.....			958		62,007	76	63,041	63,041
Sugar, cane and beet .....			(24,575)				(24,575)	(24,575)
Vegetable oil products.....	65,385	65,385	15		14,213	1	14,229	79,614
Total <sup>2</sup> .....	536,987	536,987	15,795,288	287	1,370,371	6,535	17,172,481	17,709,468

<sup>1</sup> Includes donations under Sections 202, 407, 416, Section 210, P.L. 85-540 and miscellaneous donations under various other authorizations.

<sup>2</sup> Totals may not add due to rounding.

( ) Negative.

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Table 628.—Commodity Credit Corporation: Loan transactions for fiscal year 1988, by commodities <sup>1</sup>

Commodity	Unit	Loans outstanding Oct. 1, 1987 <sup>2</sup>	New loans made	Repayments	Collateral acquired in settlement	Loans written off <sup>3</sup>	Loans outstanding Sept. 30, 1988	
							Value <sup>2</sup>	Quantity collateral remaining pledged
		1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 units
<b>Basic commodities:</b>								
Corn	Bushel	7,424	7,100	9,521	1,190	1	3,803	1,649
Cotton	Bale	449	1,417	1,290	7		568	2
Seed cotton	Pound	1		13				4
Peanuts	Ton		104	94		8	3	
Rice	Cwt.	250	694	806	10		127	19
Tobacco	Pound	2,071	203	657		1	1,616	663
Wheat	Bushel	2,836	671	1,515	381		1,608	499
Total		13,031	10,189	13,896	1,588	10	7,725	2,836
<b>Designated nonbasic commodities:</b>								
Barley	Bushel	413	113	319	31		175	93
.....do		803	495	678	378		243	105
Honey	Pound	66	167	125	36		71	118
Oats	Bushel	8	2	7			2	2
Rye	.....do	9	6	12	2		2	1
Sugar, beet	Pound	149	756	864			40	221
Sugar, cane	.....do	124	278	402				
Total		1,572	1,817	2,407	447		533	540
<b>Other nonbasic commodities:</b>								
Soybeans	Bushel	506	1,283	1,644	73		69	15
Total		506	1,283	1,644	73		69	15
<b>Other loans:</b>								
Storage facility and equipment		65		34				25
Total		65		34				25
<b>Grand total</b>		<b>15,174</b>	<b>13,289</b>	<b>17,981</b>	<b>2,108</b>	<b>10</b>	<b>8,327</b>	<b>3,416</b>

<sup>1</sup> Loans made directly by Commodity Credit Corporation.<sup>2</sup> Book value of outstanding loans; includes face amounts and any charges paid.<sup>3</sup> Includes transfers to accounts receivable.

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**Table 629.—Commodity Credit Corporation: Commodities outstanding under price-support loan as of Dec. 31, 1974-88 <sup>1</sup> (Loans quantity)**

Year <sup>2</sup>	Barley	Corn	Cotton <sup>3</sup>	Dry beans	Flaxseed	Sorghum grain	Oats
	<i>Million bushels</i>	<i>Million bushels</i>	<i>1,000 bales</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1974 .....	4	49	960	0.1	(*)	2	3
1975 .....	6	110	333			6	3
1976 .....	12	206	2,186			16	4
1977 .....	65	765	2,576			157	60
1978 .....	94	1,038	919			149	68
1979 .....	73	801	710			83	46
1980 .....	35	966	851			24	9
1981 .....	53	1,234	1,485			181	7
1982 .....	101	2,400	5,561			402	9
1983 .....	124	1,450	3,134			254	8
1984 .....	144	1,056	1			221	6
1985 .....	236	2,811	5			392	7
1986 .....	275	4,905	5			421	12
1987 .....	245	4,436	2			338	7
1988 .....	78	982	6			111	2

  

Year <sup>2</sup>	Peanuts	Rice	Rye	Soybeans	Tobacco	Wheat	Value of all loans outstanding <sup>6</sup>
	<i>Million pounds</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million bushels</i>	<i>Million dollars</i>
1974 .....	995	6.1	0.1	19	305	20	681
1975 .....	1,135	8.9	.1	(*)	335	32	871
1976 .....	841	10.5	.1	13	585	223	1,786
1977 .....	302	15.0	.6	68	665	740	5,414
1978 .....	243	19.1	2.5	44	644	588	5,655
1979 .....	608	20.2	2.1	73	686	373	4,955
1980 .....	294	20.5	.4	72	678	366	4,783
1981 .....	530	16.3	.3	161	596	660	7,807
1982 .....	249	53.7	1.2	358	809	1,121	17,917
1983 .....	228	45.0	4.6	81	1,028	1,107	12,801
1984 .....	217	45.0	10.0	178	1,243	911	11,021
1985 .....	946	51.2	5.0	439	1,411	1,387	20,619
1986 .....	122	78.3	5.4	358	986	1,151	21,642
1987 .....	448	34.4	6.7	251	782	890	17,260
1988 .....	538	88.1	(*)	84	615	462	10,977

<sup>1</sup> Commodities which were under loan on Dec. 31 in some years but not shown in this table are as follows: Cottonseed, honey, naval stores, tung oil, and almonds.

<sup>2</sup> Not necessarily from the crop of the year shown; may include quantities under resale from crop of previous years.

<sup>3</sup> Includes extra-long staple.

<sup>4</sup> Less than 500,000 units.

<sup>5</sup> Value of all commodities outstanding under loan, including those not shown.

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Table 630.—Commodity Credit Corporation: Investment in price-support operations, by quarters, 1974–88

Date	Inventory after revalu- ation	Loans held CCC	Total loans outstand- ing	Total invest- ment
	Million dollars	Million dollars	Million dollars	Million dollars
1974:				
March.....	359.3	885.8	885.8	1,245.1
June.....	114.2	449.2	449.2	563.4
September.....	172.8	394.6	394.6	567.4
December.....	188.2	681.8	681.8	870.0
1975:				
March.....	253.5	619.2	619.2	872.7
June.....	416.1	333.6	333.6	749.7
September.....	453.7	506.5	506.6	960.2
December.....	402.4	871.0	871.0	1,273.4
1976:				
March.....	555.8	762.2	762.2	1,318.0
June.....	658.6	480.5	480.5	1,339.1
September.....	607.2	707.7	707.7	1,314.9
December.....	634.3	1,786.5	1,786.5	2,420.8
1977:				
March.....	682.9	1,990.5	1,990.5	2,673.4
June.....	824.9	2,142.7	2,142.7	2,967.6
September.....	984.9	3,009.0	3,009.0	3,993.9
December.....	1,104.4	5,414.0	5,414.0	6,518.4
1978:				
March.....	1,052.5	5,827.9	5,827.9	6,880.4
June.....	1,063.3	4,591.3	4,591.3	5,659.6
September.....	1,029.0	4,230.4	4,230.4	5,259.4
December.....	1,185.9	5,655.6	5,655.6	6,841.5
1979:				
March.....	1,186.2	6,245.4	6,245.4	7,431.6
June.....	1,192.4	5,328.4	5,328.4	6,520.8
September.....	1,162.2	3,885.8	3,885.8	5,048.0
December.....	1,236.8	4,954.6	4,954.6	6,191.5
1980:				
March.....	1,484.3	5,374.9	5,374.9	6,859.2
June.....	2,486.0	4,765.4	4,765.4	7,251.4
September.....	2,737.0	3,648.7	3,648.7	6,385.7
December.....	2,802.2	4,783.0	4,783.0	7,585.2
1981:				
March.....	3,066.9	5,629.3	5,629.3	8,696.2
June.....	3,587.9	3,858.5	3,858.5	7,446.4
September.....	3,726.8	3,789.7	3,789.7	7,516.5
December.....	3,778.7	7,807.4	7,807.4	11,586.1
1982:				
March.....	4,106.4	11,070.3	11,070.3	15,176.7
June.....	4,623.0	9,676.2	9,676.2	14,299.2
September.....	5,103.2	10,423.6	10,423.6	15,526.8
December.....	5,506.9	16,789.4	16,789.4	22,296.3
1983:				
March.....	5,901.5	19,389.1	19,389.1	25,290.6
June.....	7,165.2	17,222.9	17,222.9	24,388.1
September.....	10,227.4	14,075.8	14,075.8	24,303.2
December.....	10,596.6	12,801.1	12,801.1	23,397.7
1984:				
March.....	9,967.5	11,366.1	11,366.1	21,333.6
June.....	8,001.6	8,782.4	8,782.4	16,784.0
September.....	7,358.2	7,855.5	7,855.5	15,213.7
December.....	6,663.5	11,020.9	11,020.9	17,684.4
1985:				
March.....	6,399.4	12,665.7	12,665.7	19,065.1
June.....	6,517.6	11,152.1	11,152.1	17,669.7
September.....	6,920.9	12,233.2	12,233.2	19,154.1
December.....	8,308.6	20,619.5	20,619.5	28,928.1
1986:				
March.....	8,888.4	23,829.8	23,829.8	32,718.1
June.....	10,303.5	21,153.8	21,153.8	31,457.3
September.....	11,049.6	18,494.2	18,494.2	29,543.8
December.....	13,847.7	21,641.5	21,641.5	35,489.2
1987:				
March.....	14,674.2	21,513.3	21,513.3	36,187.5
June.....	(2)	(2)	(2)	(2)
September.....	11,734.9	15,108.4	15,108.4	26,843.3
December.....	12,331.5	17,269.6	17,269.6	29,601.1
1988:				
March.....	10,499.5	16,463.1	16,463.1	26,962.7
June.....	8,174.5	12,185.4	12,185.4	20,359.9

<sup>1</sup> Reflects total CCC loans and inventories.<sup>2</sup> No data available.

Agricultural Stabilization and Conservation Service.



**Table 631.—Agricultural Stabilization and Conservation programs: Payments received, by States, 1988**

State	Payments	State	Payments	State	Payments
	<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
AL.....	114,507	MD.....	42,681	RI.....	131
AK.....	1,759	MA.....	2,799	SC.....	76,943
AZ.....	77,836	MI.....	303,026	SD.....	494,985
AR.....	343,874	MN.....	1,035,938	TN.....	140,389
CA.....	335,080	MS.....	242,489	TX.....	1,152,009
CO.....	279,344	MO.....	456,891	UT.....	38,378
CT.....	2,858	MT.....	385,612	VT.....	5,879
DE.....	10,504	NE.....	1,090,473	VA.....	64,276
FL.....	32,036	NV.....	6,350	WA.....	207,923
GA.....	173,962	NH.....	1,949	WV.....	12,167
HI.....	396	NJ.....	10,833	WI.....	409,371
ID.....	166,822	NM.....	70,847	WY.....	37,232
IL.....	1,373,971	NY.....	86,789	PR.....	602
IN.....	616,336	NC.....	146,024	VI.....	19
IA.....	1,664,990	ND.....	714,199	Undistributed.....	
KS.....	846,856	OH.....	381,852		
KY.....	160,880	OK.....	287,180	Total <sup>1</sup> .....	14,468,405
LA.....	190,125	OR.....	97,804		
ME.....	7,319	PA.....	64,918		

<sup>1</sup> Total may not add due to rounding.

Agricultural Stabilization and Conservation Service.

**Table 632.—Agricultural Stabilization and Conservation Service program: Payments to producers, by program and commodity, United States, 1984-88**

Program and commodity	1984	1985	1986	1987	1988
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Feed grain.....	366,739	2,860,522	5,158,038	8,489,993	7,219,460
Rice.....	191,783	577,234	418,004	474,853	464,481
Wheat.....	1,795,151	1,949,621	3,499,721	2,931,266	1,841,883
Cotton, upland.....	274,658	1,106,244	1,042,392	1,204,298	923,863
Wool and mohair.....	117,578	97,596	111,922	143,724	116,777
Milk indemnity.....	536,072	428,568	624,394	507,757	217,767
Beekeepers indemnity.....					
Appalachian region conservation.....					
Agricultural conservation (REAP, RECP).....	165,541	168,767	123,624	155,813	178,609
Forestry incentive.....	9,668	11,222	10,764	9,021	9,949
Emergency conservation measures.....	14,591	8,756	6,361	4,298	6,473
Drought and flood conservation.....					
Waterbank.....	9,785	9,667	9,357	8,645	8,301
Emergency feed.....	42	23	29,713	61,172	90,740
Emergency livestock feed.....					
Extended storage.....	333,075	379,147	632,085	802,125	554,882
Potato diversion.....					
Grand total.....	3,905,813	7,597,368	11,666,375	14,792,965	11,633,185

Agricultural Stabilization and Conservation Service.

Table 633.—Commodity Credit Corporation: Loans made in fiscal year for 1988, by States and Territories <sup>1</sup>

State or Territory	Barley	Corn	Cotton	Sorghum	Peanuts	Tobacco	Wheat	Other <sup>2</sup>	Total
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL		10,814	36,117	221	68		273	2,595	50,088
AK									
AZ		1,786	76,614	36	71		326	1,671	80,504
AR		10,630	70,244	34,067			1,268	328,871	445,080
CA	1,195	649	193,486				3,325	250,899	449,554
CO	2,359	111,685		5,585			30,175	350,144	499,948
CT		19						6	25
DE	25	6,507					2	346	6,880
FL		3,616	1,940		834		81	200,048	206,519
GA	11	51,766	18,350	201	54,429		981	6,046	131,784
HI								111	111
ID	14,966	461					51,423	2,876	69,726
IL		1,355,606		5,102			5,739	186,135	1,552,582
IN	2	670,271		67			1,364	87,792	759,496
IA	10	1,561,699		38			57	389,128	1,950,932
KS	227	211,913	22	202,049			100,338	31,082	545,881
KY	157	108,803		298		139,886	2,605	11,011	262,760
LA		12,263	112,637	7,722			41	174,146	306,809
ME		24						390	414
MD	232	21,491				96	104	1,246	23,169
MA		115					1,332	53	1,500
MI	268	164,139					153,475	76,598	394,480
MN	32,059	655,736		7			337	265,975	954,114
MS		8,415	216,247	8,043				14,953	247,658
MO	2	232,172	15,886	52,481			2,755	146,285	449,581
MT	32,593	148		8			131,993	15,280	179,972
NE	395	1,024,208		105,755			32,936	61,212	1,224,506
NV	9						17	27	53
NH				5			30	3	38
NJ	46	4,883		6,556			3,442	690	15,617
NM		5,193	6,012		349		823	388	12,765
NY	100	38,204						3,057	41,361
NC	162	56,451	11,341	58	810	41,395	954	10,002	121,173
ND	60,264	62,680		45			257,770	42,565	423,324
OH		315,425					2,619	68,072	386,116
OK	16	8,752	30,537	12,168			26,660	1,654	79,787
OR	1,266	411		11			12,695	1,037	15,420
PA	82	25,004					299	1,684	27,069
PR									
SC	36	25,174	3,614	7			1,590	4,516	34,937
SD	15,172	191,722		12,402			142,237	57,417	418,950
TN	12	53,774	47,406	3,605		18,353	1,429	8,195	132,774
TX	1	155,742	484,383	157,980	28,728		16,156	130,898	973,888
UT	830	291					3,379	196,287	200,787
VT		49						155	204
VA	789	19,320	283	38	17,567		450	3,568	42,015
WA	5,472	5,289		7			38,351	2,184	51,303
WV	5	1,505		10			18	155	1,693
WI	165	256,648		7			712	15,490	273,022
WY	134	5,085		3			2,626	882	8,730
Total	169,062	7,456,538	1,325,119	614,582	102,856	199,730	1,033,187	3,153,725	14,054,799

<sup>1</sup> Loans made directly by Commodity Credit Corporation. As far as possible, loans have been distributed according to the location of producers receiving the loans. Direct loans to cooperative associations for the benefit of members have been distributed according to the location of the association.

<sup>2</sup> Includes storage facility loans.

Agricultural Stabilization and Conservation Service.

Table 634.—Fruit, vegetable, and tree nut marketing agreement and order programs

Program	Estimated number of commercial producers	Farm value
	<i>Number</i>	<i>1,000 dollars</i>
Citrus fruits (1987-88 season):		
California and Arizona Navel and miscellaneous oranges .....	4,065	244,858
California and Arizona Valencia oranges .....	3,500	194,395
California and Arizona lemons .....	2,100	194,700
Florida oranges, grapefruit, tangerines, and tangelos <sup>1</sup> .....	13,000	334,194
Florida limes .....	230	22,188
Texas oranges and grapefruit .....	2,500	32,815
Deciduous fruits (1988 season):		
California Bartlett pears, plums, and freestone peaches .....	2,100	186,214
California nectarines .....	730	78,804
California olives .....	1,225	50,199
California desert grapes .....	85	136,728
California Tokay grapes .....	40	1,556
California kiwifruit (implemented 10-2-84) .....	1,100	22,420
Colorado peaches .....	250	4,175
Florida avocados .....	300	11,772
Georgia peaches .....	128	24,498
Washington apricots .....	190	4,162
Washington sweet cherries .....	1,115	52,272
Washington peaches .....	890	9,660
Washington, Oregon, and California winter pears .....	1,817	101,862
Washington and Oregon Bartlett pears .....	1,900	22,903
Washington and Oregon prunes .....	350	4,920
Cranberries .....	950	178,861
Hawaiian papayas .....	200	11,970
Dried fruits (1988 season):		
California dates .....	135	19,756
California dried prunes .....	1,300	113,925
California raisins .....	4,800	322,344
Vegetables (1987-88 season):		
Florida celery .....	11	47,858
Florida tomatoes .....	170	535,337
Idaho and eastern Oregon onions .....	337	85,344
South Texas lettuce .....	18	8,752
South Texas melons .....	72	91,740
South Texas onions .....	175	38,640
Texas tomatoes .....	25	6,739
Potatoes (1987-88 season):		
Colorado .....	290	44,164
Idaho and eastern Oregon .....	3,793	360,276
Maine .....	750	98,770
Oregon and Northern California .....	470	97,117
Southeastern States (Virginia-North Carolina) .....	150	33,280
Texas-New Mexico (High Plains) .....	110	33,280
Washington .....	475	244,404
Nuts (1988 season):		
California almonds .....	6,700	600,075
California walnuts .....	5,000	190,962
Oregon and Washington filberts .....	1,000	14,082
Peanuts <sup>2</sup> .....	4,500	865,261
Spearmint oil (1988 season) <sup>3</sup> .....	261	18,452
<b>Total (43 programs) .....</b>		<b>5,798,502</b>

<sup>1</sup> Includes Indian River and Interior grapefruit programs.

<sup>2</sup> Marketing agreement only; covers States of Alabama, Florida, Georgia, Mississippi, South Carolina, Arizona, Arkansas, California, Louisiana, New Mexico, Oklahoma, Texas, Missouri, North Carolina, Tennessee, and Virginia.

<sup>3</sup> Marketing order regulating the handling of spearmint oil produced in the states of Washington, Idaho, Montana, Nevada, Utah, Oregon, and California. Farm value represents a two State value for Idaho and Washington.

<sup>4</sup> Total not shown because of duplication by producers growing more than one commodity.

## CHAPTER XII

# AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Statistics in this chapter concern conservation of various resources, particularly soil, water, and timber. Forestry statistics include area of private and public-owned forest land, timber production, imports and exports, pulpwood consumption and paper and board production, area burned over by forest fires, livestock grazing, and recreational use of national forest lands. Data on production, supply, and distribution of naval stores are included because of their close association with forestry statistics.

**Table 635.—Agricultural Conservation Program and Emergency Conservation Program: <sup>1</sup> Assistance to farmers for carrying out conservation and pollution abatement practices, United States and Caribbean area, by program years, 1974-78 and fiscal years 1979-87**

Year	Agricultural Conservation Program <sup>2</sup>	Emergency Conservation Program	Total
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	74,475	8,560	83,035
1975.....	138,700	7,405	146,105
1976.....	134,731	15,142	149,873
1977.....	175,347	18,952	194,299
1978.....	180,940	16,318	197,258
1979 <sup>3</sup> .....	245,843	23,418	269,261
1980.....	183,686	21,818	205,504
1981.....	193,209	15,410	208,619
1982.....	168,339	4,251	172,590
1983.....	184,986	10,300	195,286
1984.....	160,278	12,638	172,916
1985.....	178,801	10,700	189,501
1986.....	137,305	7,410	144,715
1987.....	137,297	3,900	141,197

<sup>1</sup> For 1973, the Rural Environmental Assistance Program was successor to the Agricultural Conservation Program. In 1974, the Rural Environmental Conservation Program was successor to REAP. In 1975, ACP was successor to RECP.

<sup>2</sup> Excludes administrative expenses. Includes Forestry Incentives Program in 1974, and Long-Term Agreements from 1975.

<sup>3</sup> Because of the change to fiscal year funding in 1979, data for the period October 1, 1978-December 31, 1978 is included in the 1978 program year and the 1979 fiscal year.

Agricultural Stabilization and Conservation Service. Totals are from unrounded data.

**Table 636.—Agricultural Conservation Program and Emergency Conservation Program: Participation and assistance, by States and Caribbean area, 1987 fiscal year**

State or Territory	Agricultural conservation program					Emergency conservation program		
	Participating farms	Area served	Assistance			Participating farms	Area served	Assistance
			Regular	Long term	Total assistance			
	Number	1,000 acres	1,000 dollars	1,000 dollars	1,000 dollars	Number	1,000 acres	1,000 dollars
AL.....	3,083	92	3,115	538	3,653	2	( <sup>1</sup> )	15
AK.....	81	3	160	62	222			
AZ.....	253	140	444	451	895			
AR.....	3,660	153	3,129	308	3,437			
CA.....	1,232	150	3,120	220	3,340	191	54	1,045
CO.....	1,539	269	3,842	540	4,382	32	3	121
CT.....	682	17	206	12	218	1	( <sup>1</sup> )	3
DE.....	139	4	105	9	114			
FL.....	1,833	81	2,358	353	2,711			
GA.....	3,698	139	3,490	293	3,783	135	6	152
HI.....								
ID.....	1,028	106	1,341	412	1,753	35	114	107
IL.....	2,791	67	4,039	763	4,802	14	1	33
IN.....	2,155	53	1,877	174	2,051	4	( <sup>1</sup> )	3
IA.....	3,478	73	4,765	488	5,253	233	12	161
KS.....	2,879	161	3,120	656	3,776	190	12	80
KY.....	4,571	86	3,280	561	3,841			
LA.....	3,208	154	2,521	279	2,800			
ME.....	1,336	58	1,395	486	1,881	110	3	289
MD.....	404	8	606	92	698	1	( <sup>1</sup> )	13
MA.....	547	16	214	66	280	38	( <sup>1</sup> )	77
MI.....	4,989	201	2,544	417	2,961	510	28	487
MN.....	1,935	56	1,714	212	1,926			
MS.....	3,755	106	3,763	575	4,338	35	1	19
MO.....	4,390	94	4,773	437	5,210	109	1	188
MT.....	1,315	381	1,998	431	2,429	62	92	188
NE.....	2,635	360	2,902	1,162	4,064	44	3	69
NV.....	218	62	443	252	695	16	18	69
NH.....	324	22	331	53	384	7	( <sup>1</sup> )	32
NJ.....	669	39	404	15	419	1	( <sup>2</sup> )	1
NM.....	980	430	1,475	133	1,608	33	7	15
NY.....	2,676	67	2,628	571	3,199	43	1	96
NC.....	13,082	279	3,080	292	3,372			
ND.....	3,030	216	1,887	561	2,448			
OH.....	2,733	57	2,332	485	2,817	15	1	24
OK.....	2,626	143	2,480	295	2,775	137	7	213
OR.....	1,294	131	1,992	430	2,422	7	1	21
PA.....	3,034	59	2,606	354	2,960	6	( <sup>1</sup> )	6
RI.....	3	( <sup>1</sup> )		5	5			
SC.....	2,501	81	2,488	200	2,688	22	1	32
SD.....	2,257	190	1,595	123	1,718	31	12	47
TN.....	5,636	97	3,695	466	4,161			
TX.....	7,647	988	9,327	1,218	10,545			
UT.....	818	172	1,412	1,652	3,064	5		11
VT.....	423	12	735	171	906	6	( <sup>1</sup> )	11
VA.....	2,605	50	1,328	199	1,527	17	1	32
WA.....	1,648	158	2,742	277	3,019	4	9	26
WV.....	2,713	51	1,501	214	1,715	90	3	148
WI.....	2,754	45	2,266	280	2,546	5	( <sup>1</sup> )	4
WY.....	315	91	513	223	736			
US.....	<sup>3</sup> 117,662	6,468	108,081	18,466	126,547	2,191	392	3,837
PR.....	420	7	398	22	420			
VI.....								
Total.....	<sup>3</sup> 118,082	6,475	108,479	18,488	126,967	2,191	392	3,837

<sup>1</sup> Less than 500 acres served.

<sup>2</sup> Less than \$500.

<sup>3</sup> Totals are net totals and may not add.

Agricultural Stabilization and Conservation Service. Totals are the sum of rounded data.

Table 637.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1987 fiscal year

State or Territory	Regular and long-term agreements						
	Diversions (area served)	Conservation tillage	Permanent wildlife habitat (area served)	Sediment retention, erosion, or water control structures	Sod waterways (area served)	Windbreaks (area served)	Irrigation water conservation (area served)
	Acres	Acres	Acres	Number	Acres	Acres	Acres
AL.....	698	5,920	13	170	541		60
AK.....		777		11	169		
AZ.....				3		80	8,270
AR.....	2	5,772		298			46,616
CA.....	131	5,808	297	166	48	111	78,059
CO.....	1,876	5,753	51	72		256	54,014
CT.....	4	722		3	38		1
DE.....		1,411		42	3	44	
FL.....	106	1,816	68	619	57		8,853
GA.....	22	3,126	14	1	452		
HI.....							
ID.....	51	24,957		75	1,408	30	18,811
IL.....	1,263	5,122	43	1,003	21,633	1,812	
IN.....	524	13,366	13	882	4,869	95	
IA.....	228	12,949	225	250	1,021	1,198	
KS.....	3,363	166	3	87	8,388	105	6,287
KY.....	1,815	15,148	44	308	6,485		
LA.....	30	4,287		1,134	505		12,845
ME.....	1,337	15,130		199	1,001		
MD.....	158			35	665		
MA.....	26	194		3			297
MI.....	2,005	79,164	1,271	432	2,553	5,214	
MN.....	276	17,957	1,333	134	4,915	11,446	
MS.....	1,200	2,652	62	1,115	330		9,959
MO.....	350	2,233	2	232	1,669		
MT.....	210	20,335	160	2	164	3,402	27,201
NE.....	4,008	320	41	98	3,181	4,829	11,317
NV.....	122			3		5	23,180
NH.....		124	47	12	65		
NJ.....	193	131		11		3	18
NM.....	4,940	830		110	257	37	25,048
NY.....	1,504	12,647	16	35	935	115	393
NC.....	90	15,507	7	154	7,780		
ND.....	1,182	35,988	6,809		1,411	41,184	283
OH.....	583	10,147	149		11,036	1,283	6,942
OK.....	5,961	60		956	18,509	111	9,521
OR.....	763	10,343	73	247	594	40	
PA.....	4,251	5,080		265	3,880		
RI.....				180	2		
SC.....	11	6,860	12	2	133	75	
SD.....	742	10,397	2,668	5	2,133	17,992	563
TN.....	1,410	11,693	14	554	1,464		
TX.....	21,895	200	122	233	16,106	1	84,738
UT.....	100	688		56			27,381
VT.....	552	164		33	71		
VA.....	48	1,648	4	2	393		
WA.....	1,859	43,526	186	40	414	443	13,986
WV.....	31	222	4		79		
WI.....	264	10,109	455	155	7,249	226	11,657
WY.....						16	
US.....	66,248	422,449	14,592	10,427	132,663	90,158	486,240
PR.....		105					
VI.....							
Total.....	66,248	422,554	14,592	10,427	132,663	90,158	486,240

**Table 637.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1987 fiscal year—Continued**

State or Territory	Regular and long-term agreements—Continued						
	Establishing permanent cover	Improving permanent cover	Planting trees	Timber stand improvement	Water impoundment reservoirs	Strip-cropping	Terrace systems (area served)
	Acres	Acres	Acres	Acres	Number	Acres	Acres
AL.....	26,583	764	18,831	764	37	75	6,799
AK.....	1,514	19	7	43	1		
AZ.....	60	39,191			5		
AR.....	16,012	27,224	1,571	237	1,028		21
CA.....	945	14,660	157	370	6		
CO.....	3,733	34,118			25	366	56,909
CT.....	852	17	9	14		7	
DE.....	338		132		2		5
FL.....	10,692	215	22,860	207	2		714
GA.....	14,727	5,147	32,030	104	116		58,001
HI.....							
ID.....	7,624	17,468	74	72	2	1,065	5,331
IL.....	5,330	1,460	117	462	154	1,188	12,332
IN.....	5,731	632	318	3,198	119		848
IA.....	7,779	188	137	187	136	3,862	38,548
KS.....	3,674	225	1	20	35		111,335
KY.....	28,705	7,493	97	141	113	1,499	1,027
LA.....	15,106	17,221	457	10	201		283
ME.....	2,309	389	715	1,693		757	13
MD.....	711	21	1,117	439	27	742	16
MA.....	1,121	64	32	38	6	6	
MI.....	34,145	1,037	4,112	396	3	775	3
MN.....	3,978		1,880	580	8	1,201	2,396
MS.....	26,271	4,745	6,222	306	974	70	3,705
MO.....	31,754	6,846	101	1,263	309		21,074
MT.....	20,399	123,636	20	203	10	18,635	
NE.....	2,397	23,380			80	736	106,932
NV.....	369	1,255					
NH.....	697	232	65	249		31	
NJ.....	2,380		6			10	16
NM.....	501	49,570		40	9		1,078
NY.....	15,881	761	295	390		5,705	271
NC.....	11,611	65,894	3,113	69	20	1,187	1,033
ND.....	17,857	49	118		14	2,204	724
OH.....	6,570	7,994	562	949	7	324	26
OK.....	27,616	1,360	194	25	424		52,642
OR.....	5,236	26,263	1,973	2,830	51		16,150
PA.....	6,800	6,277	170	904	8	12,510	1,566
RI.....				55			
SC.....	6,038	988	22,100	257	54	886	141
SD.....	28,926	28,221	1	91	35	2,405	4,306
TN.....	36,103	2,265	973	42	577	448	6,474
TX.....	52,100	332,509	92		894		56,364
UT.....	754	49,869	25		1		1,593
VT.....	808	28	1	229		167	45
VA.....	6,054	19,240	2,144	244	30	303	126
WA.....	12,693	46,819	2,784	2,247	4	13,234	1,515
WV.....	3,006	26,430	25	129	88		
WI.....	4,061	156	3,932	1,364	10	11,354	1,204
WY.....	2,427	18,260		388	3		
US.....	520,978	1,010,590	129,570	21,249	5,626	81,752	571,566
PR.....	838	3,364	85				266
VI.....							
Total.....	521,816	1,013,954	129,655	21,249	5,626	81,752	571,832

Agricultural Stabilization and Conservation Service.

**Table 638.—Agricultural Conservation Program: <sup>1</sup> Selected conservation and pollution abatement measures performed, United States and Caribbean area, annual 1978-87 and total 1936-87**

Practice	Unit	1978	1979 <sup>2</sup>	1980 <sup>2</sup>	1981	1982	1983	1984	1985	1986	1987	Total 1936-87
Terrace systems <sup>3</sup> .....	1,000 acres .....	435	574	491	454	427	513	388	442	342	572	39,350
Sod waterways <sup>3</sup> .....	do .....	804	998	740	727	489	453	207	230	176	133	16,760
Conservation tillage systems .....	do .....	135	202	377	717	733	919	1,009	1,076	631	423	6,306
Stripcropping systems .....	do .....	172	268	112	120	125	127	102	131	92	82	115,990
Establishing permanent vegetative cover .....	do .....	1,320	1,972	900	817	714	964	667	772	542	522	73,776
Cropland protective cover .....	do .....	1,436	1,534	1,281	1,495	1,115	1,100	791	798	637	601	507,893
Improving permanent vegetative cover .....	do .....	1,798	2,790	1,958	1,961	1,728	1,828	1,337	1,519	1,011	1,014	161,779
Planting trees or shrubs .....	do .....	32	47	49	53	55	66	55	87	98	130	6,520
Timber stand improvement .....	do .....	43	66	62	75	54	38	25	34	27	21	5,388
Permanent wildlife habitat <sup>3</sup> .....	do .....	165	110	36	46	46	40	23	23	20	15	5,322
Water impoundment reservoirs .....	Number .....	16,323	19,136	11,865	12,271	7,423	7,020	5,987	5,756	4,783	5,626	2,458,755
Grazing land protection .....	do .....	9,804	14,117	11,573	13,977	9,411	9,151	7,701	8,764	6,664	6,801	539,704
Contour farming .....	1,000 acres .....	10	25	27	24	24	20	29	35	21	21	140,095
Diversions <sup>3</sup> .....	do .....	142	200	136	128	123	111	112	95	71	66	6,977
Sediment retention, erosion, or water control structures	Number .....	9,598	15,404	14,266	15,968	12,142	12,646	12,462	14,081	12,655	10,427	3,440,274

<sup>1</sup> In 1974, the data include the Regular, Long-Term Agreement, and Forestry Incentive Programs. From 1975, the data include the Regular and Long-Term Agreement Programs.

<sup>2</sup> Because of the change to fiscal year funding in 1979, data for the period October 1, 1978-December 31, 1978 is included in the 1978 program year and the 1979 fiscal year.

<sup>3</sup> In area served.

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**Table 639.—Water Bank Program, status of agreements carried out, 1979 through Sept. 30, 1988, by States**

State	Number of agreements	Designated acres			Annual payment
		Total	Wetlands	Adjacent	
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>
AR.....	292	46,842	29,090	17,252	325,638
CA.....	103	26,072	6,798	19,274	399,398
LA.....	254	35,708	14,253	21,455	438,741
ME.....	60	2,783	876	1,907	25,163
MI.....	63	2,737	763	2,024	57,001
MN.....	1,229	62,888	17,991	44,897	1,671,356
MS.....	476	97,180	33,510	63,670	947,834
MT.....	110	14,075	2,855	11,220	220,346
NE.....	82	7,290	2,761	4,529	156,371
ND.....	1,152	157,533	48,940	108,593	2,577,570
SD.....	695	78,818	20,255	58,563	1,172,661
WI.....	428	20,909	7,873	13,036	490,820
Total.....	4,944	552,385	185,965	366,420	8,482,844

Agricultural Stabilization and Conservation Service.

**Table 640.—Summary of status of agreements carried out under the Water Bank Program, 1979 through Sept. 30, 1988, by years**

Program year	Number of agreements <sup>1</sup>	Designated acres			Annual payment
		Total	Wetlands	Adjacent	
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>
1979.....	677	73,684	19,402	54,282	1,285,417
1980.....	553	63,624	18,740	44,884	1,012,619
1981.....	273	26,251	8,309	17,942	388,081
1982.....	523	43,983	15,533	28,450	701,001
1983.....	519	56,513	17,593	38,920	855,483
1984.....	592	64,639	23,936	40,703	892,569
1985.....	564	69,711	25,728	43,983	923,176
1986.....	329	42,028	14,244	27,784	592,399
1987.....	447	53,244	19,210	34,034	806,925
1988.....	453	57,460	22,907	34,553	995,116
1989 <sup>1</sup> .....	14	1,248	363	885	30,058
Total.....	4,944	552,385	185,965	366,420	8,482,844

<sup>1</sup> The agreements were entered into in 1988. Since compliance could not be rendered during 1988, the agreements were given the beginning date of January 1, 1989.

Agricultural Stabilization and Conservation Service.

Table 641.—Forestry Incentives Program, practices performed, by States and Caribbean area, 1987 fiscal year and cumulative 1975-87<sup>1</sup>

State	1987				Cumulative 1975-1987			
	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Special forestry practices	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Special forestry practices
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL	11,117	749	80		237,029	24,605	486	
AZ		13			13	1,334		
AR	8,547	1,367	747		126,628	99,985	4,212	7,981
CA	39	331			7,835	8,304		
CO	10	226			191	4,230	10	
CT		20			1,097	7,436		2,336
DE	279				3,998	844		
FL	17,742	327			177,725	6,702	153	
GA	10,436	136	117		196,749	15,991	129	
HI					250			
ID	213	174			772	2,246	18	
IL	145	1,408			2,199	23,858	25	
IN	48	1,877	127		3,086	58,617	877	
IA	72	97			2,208	5,813	20	
KS	18	83			441	4,304		
KY	129	1,214	206		3,256	48,190	513	2,121
LA	10,540	354	297		108,453	41,706	663	
ME	122	378			6,164	16,886		
MD	882	241	27		16,978	10,419	27	
MA	38	733			190	30,979		739
MI	1,227	323			21,914	35,964		
MN	359	54	113		13,707	12,182	301	648
MS	8,940	149	110		195,643	26,403	1,008	16
MO	258	1,697			11,218	77,575		
MT		10			116	4,253	107	
NE		15			542	1,756		
NV					526	50		
NH	3	634	78		92	24,867	432	
NJ	20	10			917	12,074		
NM					65	6,505		
NY	137	1,067			3,490	56,642	110	4,323
NC	12,828	283	39		207,666	17,409	402	
ND					207	141		48
OH	600	3,294	172		9,610	63,636	422	
OK	548	428			15,165	30,168		
OR	2,339	1,827			31,119	16,995		
PA	27	585	30		5,028	30,190	77	
PR	122				849	10		
RI		17			132	2,173		
SC	11,897	170	17		173,480	9,019	34	
SD		311			29	3,155		
TN	1,416				19,196	15,210	241	
TX	6,508	817			118,204	47,798		
UT						12		
VT	48	626	44		359	19,490	158	16,368
VA	7,390	501			198,850	27,019		
WA	1,697				22,023	9,194		
WV	311	1,364	10		5,229	88,349	30	24,094
WI	1,403	1,095	300		24,810	28,024	1,295	265
WY		1,133			4	6,698		
Total	118,455	26,188	2,514		1,975,452	1,085,410	11,750	58,939

<sup>1</sup> In 1974, the program was part of the Rural Environmental Conservation Program (now called the Agricultural Conservation Program). Data for the program year were published in the 1974 Rural Environmental Conservation Program Summary. In 1975 it became a separately funded program.

Agricultural Stabilization and Conservation Service.

Table 642.—Forestry Incentives Program, participation and assistance, by States and Caribbean area, 1987 fiscal year

State	Participants	Area served	Assistance		
			Regular	Long term	Total assistance
	<i>Number</i>	<i>Acres</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	316	11,946	688,438		688,438
AK.....					
AZ.....	1	13	609		609
AR.....	255	10,661	458,517		458,517
CA.....	19	370	43,007		43,007
CO.....	8	236	12,968		12,968
CT.....	1	20	720		720
DE.....	8	279	48,478		48,478
FL.....	325	18,069	826,273		826,273
GA.....	266	10,689	752,368		752,368
HI.....					
ID.....	8	387	29,702	26,661	56,363
IL.....	59	1,553	29,173	2,043	31,216
IN.....	54	2,052	39,193		39,193
IA.....	6	169	10,584		10,584
KS.....	4	101	4,167		4,167
KY.....	58	1,549	59,871		59,871
LA.....	240	11,191	492,800		492,800
ME.....	23	500	25,449	11,627	37,076
MD.....	37	1,150	133,088	1,524	134,612
MA.....	58	771	28,796	3,277	32,073
MI.....	117	1,550	74,968	9,409	84,377
MN.....	16	526	34,706		34,706
MS.....	168	9,199	372,555		372,555
MO.....	50	1,955	50,590		50,590
MT.....	1	10	616		616
NE.....	2	15	634		634
NV.....					
NH.....	40	715	29,294	2,070	31,364
NJ.....	3	30	1,466		1,466
NM.....					
NY.....	82	1,204	40,631	15,329	55,960
NC.....	396	13,150	374,951	952	375,903
ND.....					
OH.....	161	4,066	149,108		149,108
OK.....	19	976	31,925	12,851	44,776
OR.....	85	4,166	406,789	26,036	432,825
PA.....	54	642	36,586		36,586
PR.....	6	122	16,428		16,428
RI.....	5	17		1,284	1,284
SC.....	323	12,084	750,005		750,005
SD.....	15	311	14,754	4,329	19,083
TN.....	33	1,416	73,926		73,926
TX.....	203	7,325	323,496		323,496
UT.....					
VT.....	63	718	32,358	2,873	35,231
VA.....	197	7,891	340,180		340,180
WA.....	33	1,697	204,796		204,796
WV.....	85	1,685	56,393	5,888	62,281
WI.....	136	2,798	128,609	8,089	136,698
WY.....	21	1,133	52,102	890	52,992
Total.....	4,060	147,107	7,282,067	135,132	7,417,199

Agricultural Stabilization and Conservation Service.

**Table 643.—Soil conservation districts: Funds appropriated by State and local governments for conservation programs, fiscal year ending Sept. 30, 1988**

State or Territory	Actual appropriations	State or Territory	Actual appropriations
	<i>1,000 dollars</i>		<i>1,000 dollars</i>
AL.....	3,090	NE.....	27,522
AK.....	217	NV.....	14,780
AZ.....	2,292	NH.....	258
AR.....	3,521	NJ.....	5,485
CA.....	3,655	NM.....	785
CO.....	930	NY.....	23,332
CT.....	3,298	NC.....	13,823
DE.....	4,627	ND.....	1,747
FL.....	7,670	OH.....	9,846
GA.....	5,817	OK.....	7,482
HI.....	6,990	OR.....	2,702
ID.....	2,673	PA.....	882
IL.....	17,100	RI.....	399
IN.....	7,518	SC.....	4,247
IA.....	12,191	SD.....	1,289
KS.....	9,344	TN.....	2,767
KY.....	7,206	TX.....	6,703
LA.....	3,215	UT.....	7,406
ME.....	684	VT.....	450
MD.....	9,383	VA.....	12,248
MA.....	1,469	WA.....	5,274
MI.....	8,364	WV.....	3,788
MN.....	69,171	WI.....	10,477
MS.....	2,641	WY.....	4,326
MO.....	20,412	Caribbean <sup>1</sup> .....	9,722
MT.....	2,384	Total.....	393,602

<sup>1</sup> Puerto Rico and Virgin Islands.

Soil Conservation Service.

**Table 644.—Soil conservation districts: Number organized each year, approximate total area and land in farms, United States and Territories, 1974-88**

Year <sup>1</sup>	Number districts organized <sup>2</sup>		Total area in districts	
	Net increase for the year	Cumulative total	New districts and additions	Cumulative total
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
1974.....	-15	2,947	657	2,211,767
1975.....	-5	2,942	1,968	2,213,735
1976.....	-2	2,940	2,450	2,216,185
1977.....	-3	2,937	1,578	2,217,763
1978.....		2,937	-2,735	2,215,028
1979.....		2,937		2,215,028
1980.....	-5	2,932	-3,602	2,211,426
1981.....	5	2,932	7,649	2,219,075
1982.....	1	2,938	44	2,219,119
1983.....		2,939		2,219,119
1984.....	2	2,941	135	2,219,254
1985.....	1	2,940	100	2,219,154
1986.....	7	2,947	-24,839	2,194,315
1987.....	-6	2,941	3,219	2,197,534
1988.....	15	2,956	-13,837	2,183,697

<sup>1</sup> Fiscal years July 1 to June 30 to 1976; Oct. 1 through Sept. 30 through 1988.<sup>2</sup> Totals at the end of each year are net, including corrections and adjustments made during the year. Soil Conservation Service.

Table 645.—Soil conservation districts: Dates of State Laws, number of districts organized, approximate total area and number of farms, cumulative through Sept. 30, 1988

State or Territory	Date district law became effective	Districts organized <sup>1</sup>	Approximate area and number of farms within organized districts	
			Total area	Farms (and ranches)
		Number	1,000 acres	Thousands
AL.....	Mar. 18, 1939	67	32,454	116
AK.....	Mar. 25, 1947	10	375,904	1
AZ.....	June 16, 1941	38	75,989	2
AR.....	July 1, 1937	76	33,176	82
CA.....	June 26, 1938	118	75,202	83
CO.....	May 6, 1937	80	61,257	31
CT.....	July 13, 1945	8	3,135	4
DE.....	Apr. 2, 1943	3	1,309	3
DC.....	July 12, 1982	1	44	0
FL.....	July 10, 1937	63	31,864	61
GA.....	Mar. 23, 1937	40	37,665	78
HI.....	May 19, 1947	15	4,035	5
ID.....	Mar. 9, 1939	51	51,178	26
IL.....	July 9, 1937	98	28,502	89
IN.....	Mar. 11, 1937	92	23,168	71
IA.....	July 4, 1939	99	35,106	106
KS.....	Apr. 10, 1937	105	51,873	133
KY.....	June 11, 1940	121	25,377	102
LA.....	July 27, 1938	43	26,414	28
ME.....	Mar. 25, 1941	16	15,071	17
MD.....	June 1, 1937	24	6,636	15
MA.....	June 28, 1945	16	5,065	5
MI.....	July 23, 1937	83	36,034	59
MN.....	Apr. 26, 1937	90	50,745	121
MS.....	Apr. 4, 1938	82	30,521	54
MO.....	July 23, 1943	112	41,755	146
MT.....	Feb. 28, 1939	63	88,703	26
NE.....	May 18, 1937	23	47,795	60
NV.....	Mar. 30, 1937	29	50,339	3
NH.....	May 10, 1945	10	5,955	3
NJ.....	July 1, 1937	16	4,779	8
NM.....	Mar. 17, 1937	47	72,604	27
NY.....	July 20, 1940	57	30,488	40
NC.....	Mar. 22, 1937	100	33,709	74
ND.....	Mar. 16, 1937	61	43,322	43
OH.....	June 5, 1941	88	26,260	87
OK.....	Apr. 15, 1937	89	44,000	128
OR.....	Apr. 7, 1939	45	60,603	31
PA.....	July 2, 1937	66	28,503	52
RI.....	Apr. 26, 1943	3	675	1
SC.....	Apr. 17, 1937	46	19,912	26
SD.....	July 1, 1937	69	45,026	42
TN.....	Mar. 10, 1939	95	25,353	165
TX.....	Apr. 24, 1939	208	169,890	174
UT.....	Mar. 23, 1937	38	43,409	10
VT.....	Apr. 18, 1939	14	6,150	6
VA.....	Apr. 1, 1938	45	25,410	52
WA.....	Mar. 17, 1939	48	37,073	34
WV.....	June 12, 1939	14	14,439	17
WI.....	July 1, 1937	72	35,938	82
WY.....	May 22, 1941	35	62,094	10
US.....		2,932	2,181,308	2,639
PR.....	July 1, 1946	17	2,083	34
VI.....	June 1946	1	85	1
PAC <sup>2</sup> .....	May 31, 1984	6	271	1
Total.....		2,956	2,183,697	2,675

<sup>1</sup> For specific procedure on organization of soil conservation districts, reference should be made to each of the respective State soil conservation district's laws.

<sup>2</sup> Guam and Northern Marianas.

Soil Conservation Service.

**Table 646.—Soil surveys: Total area mapped for conservation planning and other uses under all programs, by States and Territories, year ending Sept. 30, 1988, and cumulative through Sept. 30, 1988**

State or Territory	Progressive Soil Survey Program <sup>1</sup>			State or Territory	Progressive Soil Survey Program <sup>1</sup>		
	Work during year ending Sept. 30, 1988	Total to date			Work during year ending Sept. 30, 1988	Total to date	
	Acres mapped	Acres updated	Acres		Acres mapped	Acres updated	Acres
AL.....	549,271	24,900	26,097,930	NV.....	1,849,633	771,967	49,135,370
AK.....	50,110	270,000	38,027,040	NH.....	0	37,740	4,161,775
AZ.....	1,248,355		37,527,491	NJ.....	0	0	4,861,100
AR.....	221,064	172,994	31,491,423	NM.....	692,000	569,650	68,558,777
CA.....	830,600	310,760	70,386,000	NY.....	816,877	387,775	25,757,814
CO.....	1,520,257	103,691	59,102,000	NC.....	625,251	8,540	25,839,821
CT.....	0	0	3,211,700	ND.....	2,395,977	446,491	36,763,000
DE.....	0	0	1,308,461	OH.....	497,314	239,718	25,666,231
FL.....	1,122,900	156,000	29,100,000	OK.....	0	189,044	43,939,334
GA.....	321,627	0	33,091,776	OR.....	1,044,785	35,697	29,983,015
HI.....	0	0	4,042,820	PA.....	0	211,134	28,997,200
ID.....	889,777	63,000	36,813,280	RI.....	0	0	775,900
IL.....	1,913,155	60,750	31,870,001	SC.....	114,312	38,653	19,819,401
IN.....	0	56,182	23,158,600	SD.....	874,093	0	47,422,964
IA.....	919,942	0	34,374,752	TN.....	506,825	89,360	20,978,059
KS.....	81	224,655	52,657,500	TX.....	1,086,448	1,056,785	152,836,160
KY.....	678,000	282,000	22,751,603	UT.....	480,520	263,863	39,268,886
LA.....	1,000,000	32,018	26,190,070	VT.....	69,076	26,930	4,454,962
ME.....	295,796	33,483	14,119,503	VA.....	823,238	369,535	17,531,158
MD.....	0	163,728	6,694,500	WA.....	334,372	199,024	31,127,132
MA.....	183,362	182,315	4,981,127	WV.....	485,661	0	12,886,600
MI.....	1,258,470	22,536	27,195,760	WI.....	481,262	114,045	27,741,658
MN.....	1,916,175	190,281	37,110,228	WY.....	550,801	77,725	30,374,991
MS.....	453,170	37,600	27,503,571	Caribbean <sup>2</sup> .....	0	0	2,333,800
MO.....	2,250,606	274,343	32,767,494	Total.....	36,509,720	803,912	1,571,266,117
MT.....	4,092,177	0	63,214,137				
NE.....	1,066,279	243,000	45,372,742				

<sup>1</sup> The National Cooperative Soil Survey of the Soil Conservation Service and cooperating agencies is designed to locate, classify, describe, and show on maps the different kinds of soil and make multiple-use interpretations of each kind of soil for town-and-country planning and for other purposes.

<sup>2</sup> Puerto Rico and Virgin Islands.

Soil Conservation Service.

**Table 647.—Land protected from erosion by soil conservation practices: Newly applied in soil conservation districts with Soil Conservation Service assistance, fiscal years 1984-88**

Land protected from erosion	Unit	1984	1985	1986	1987	1988
Cropland.....	Acres.....	18,300,000	15,051,298	15,900,000	20,317,696	22,883,640
Pasture and hayland.....	do.....	3,200,000	4,894,898	5,100,000	5,184,482	6,167,604
Range and native pasture.....	do.....	20,000,000	31,227,673	32,200,000	26,186,535	28,184,587
Woodland.....	do.....	1,000,000	1,650,995	2,000,000	1,790,156	1,818,494
Wildlife.....	do.....	n.a.	1,493,655	1,700,000	1,655,329	1,648,216
Recreation.....	do.....	n.a.	88,588	100,000	62,348	42,728
All others.....	do.....	33,000	157,267	300,000	375,958	1,085,027
Total land protected.....	Acres.....	42,830,000	54,564,374	57,800,000	55,572,504	61,830,296

n.a. not available.

Soil Conservation Service.

Table 648.—Land protected from erosion by soil conservation practices: Applied through farmer-district cooperation and cooperation with other agencies, with Soil Conservation Service assistance, by States and Territories, year ending Sept. 30, 1988

State or Territory	Cropland	Pasture and hayland	Range native pasture	Woodland	Wildlife	Recreation	Other land	Total land protected
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	279,168	428,430	128	130,221	18,650	759	929	858,285
AK.....	5,780	4,424	1,417,274	60	5,885	0	1	1,433,424
AZ.....	8,642	171	1,111,621	0	267	0	0	1,120,701
AR.....	318,501	229,271	11,840	65,019	83,801	550	6,133	714,915
CA.....	246,543	49,392	64,088	11,172	4,061	308	3,072	378,636
CO.....	822,608	307,782	1,168,564	10,649	1,078	6	56,493	2,367,180
CT.....	474	271	0	0	0	1	693	1,439
DE.....	27,189	386	0	14	424	16	897	28,926
FL.....	72,607	72,526	136,762	37,520	17,234	0	55	336,704
GA.....	359,392	81,398	90	69,508	24,074	3,478	2,968	540,908
HI.....	42,042	9,067	39,188	13	5	0	866	91,181
ID.....	332,501	22,873	88,843	2,861	654	730	731	449,193
IL.....	788,041	78,343	40	5,498	57,507	460	53,808	983,697
IN.....	252,851	22,883	417	1,818	8,360	387	1,108	287,824
IA.....	1,616,925	110,335	159	2,131	159,841	24	739	1,889,794
KS.....	1,402,433	35,361	148,855	272	4,819	1,091	2,756	1,595,587
KY.....	372,487	97,495	34	14,703	2,924	252	5,432	493,327
LA.....	260,079	85,995	27,670	174,900	194,161	591	3,341	746,737
ME.....	10,120	1,487	2	158	16	1	1,929	13,713
MD.....	111,383	39,524	0	363	3,253	228	2,374	157,125
MA.....	5,935	1,123	0	187	2	4	5	7,256
MI.....	227,298	14,504	0	15,801	5,181	75	706	263,565
MN.....	592,671	54,171	481	6,711	27,143	10	12,981	694,168
MS.....	245,712	463,789	2,110	469,431	32,657	3,535	4,728	1,221,962
MO.....	741,361	124,130	229	8,402	25,891	145	785,217	1,685,375
MT.....	1,628,244	181,319	808,645	65,794	1,442	182	2,685	2,688,311
NE.....	1,012,159	266,486	929,203	1,666	130,813	105	11,321	2,351,753
NV.....	55,510	66,416	919,140	0	532	23	1,049	1,042,670
NH.....	2,492	1,697	15	3,250	406	122	281	8,263
NJ.....	5,649	566	0	85	0	6	39	6,345
NM.....	237,567	14,775	2,936,744	19,746	10,937	518	806	3,221,093
NY.....	0	0	0	0	0	0	0	0
NC.....	156,774	9,838	9	7,195	1,528	57	3,093	178,494
ND.....	1,098,488	268,122	434,788	294	84,682	193	17,651	1,904,218
OH.....	123,627	38,639	2	2,357	1,099	184	621	166,529
OK.....	371,188	357,394	182,665	2,464	1,725	35	8	915,479
OR.....	232,524	32,771	46,438	11,475	2,895	61	311	326,475
PA.....	118,496	17,890	4	717	854	34	1,654	139,649
RI.....	165	17	0	0	0	0	0	182
SC.....	103,939	19,627	7	32,702	2,041	205	961	159,482
SD.....	396,035	101,305	450,373	562	16,718	19	5,610	970,622
TN.....	167,735	349,016	47	6,693	1,030	1	1,778	526,300
TX.....	6,621,809	1,857,686	16,191,270	570,459	675,913	27,862	83,874	26,028,873
UT.....	51,513	5,968	282,162	25	1,557	0	55	341,280
VT.....	7,165	2,931	0	428	700	0	20	11,244
VA.....	67,544	53,454	0	4,307	37	28	1,318	127,288
WA.....	353,918	33,565	273,607	31,329	6,185	2	496	699,102
WV.....	8,850	36,225	22	422	2,752	187	467	48,925
WI.....	732,947	27,998	946	24,130	12,148	2	2,043	799,614
WY.....	159,524	63,394	495,470	4,067	14,894	51	915	738,315
Caribbean <sup>1</sup> ...	27,285	25,374	15,235	315	0	0	9	68,168
Total.....	22,883,640	6,167,604	28,184,587	1,818,494	1,648,216	42,728	1,085,027	61,830,296

<sup>1</sup> Puerto Rico and Virgin Islands.

Soil Conservation Service.

**Table 649.—Conservation plans: Active district cooperators and conservation plans prepared under all programs and area covered in soil conservation districts with Soil Conservation Service assistance, by States and Territories, year ending Sept. 30, 1988**

State or Territory	Progress, year ending Sept. 30, 1988		
	New SCD cooperators		New conservation plans <sup>1</sup>
	Number	Acres	Acres
AL.....	2,282	168,521	213,287
AK.....	27	74,756	56,874
AZ.....	426	1,982,499	848,195
AR.....	1,442	130,390	425,503
CA.....	8,976	11,183,965	1,805,309
CO.....	1,398	1,180,917	2,400,318
CT.....	3,606	384,416	14,933
DE.....	119	17,041	31,221
FL.....	592	163,826	231,949
GA.....	1,668	176,287	352,981
HI.....	167	9,044	264,077
ID.....	56	38,893	393,223
IL.....	8,696	919,079	1,428,779
IN.....	993	123,950	358,970
IA.....	109,945	11,589,460	3,474,624
KS.....	41,780	15,077,065	3,055,451
KY.....	4,594	567,052	930,400
LA.....	1,148	660,524	726,418
ME.....	440	84,773	305,553
MD.....	1,449	131,421	382,078
MA.....	71	5,035	14,690
MI.....	453	103,192	476,329
MN.....	1,536	313,009	705,230
MS.....	791	94,252	195,049
MO.....	3,489	647,753	1,181,643
MT.....	1,129	2,223,533	6,139,011
NE.....	15,258	1,258,154	1,634,142
NV.....	38	22,927	2,149,588
NH.....	48	4,851	10,380
NJ.....	50	5,300	20,984
NM.....	998	1,578,849	2,009,281
NY.....	211	18,030	104,202
NC.....	4,536	335,090	303,943
ND.....	2,097	190,452	1,245,901
OH.....	1,149	147,243	345,374
OK.....	2,731	1,077,643	2,144,620
OR.....	185	275,112	170,489
PA.....	951	95,604	566,346
RI.....	4	472	2,601
SC.....	1,583	245,342	208,899
SD.....	224	244,592	1,346,563
TN.....	6,591	740,335	762,801
TX.....	17,118	5,349,773	7,534,781
UT.....	147	65,710	279,761
VT.....	728	139,288	60,114
VA.....	978	129,261	306,365
WA.....	2,049	1,047,388	411,584
WV.....	434	78,856	158,580
WI.....	1,407	208,221	1,290,586
WY.....	177	641,144	1,372,598
Caribbean <sup>2</sup> .....	16,916	824,998	34,297
Total.....	273,881	62,775,288	50,881,875

<sup>1</sup> Includes conservation plans prepared on farms and ranches of SCD cooperators who signed agreements in prior years.<sup>2</sup> Puerto Rico and Virgin Islands.

Soil Conservation Service.



**Table 650.—Great Plains Conservation Program: <sup>1</sup> Status of cost-share contracts, by States, year ending Sept. 30, 1988**

State	Designated counties	Active land treatment contracts in operation	
		1988	
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>
CO .....	38	447	1,434
KS .....	62	720	505
MT .....	40	388	2,648
NE .....	61	487	980
NM .....	19	518	1,264
ND .....	38	161	1,906
OK .....	43	392	449
SD .....	52	606	2,060
TX .....	146	1,122	1,968
WY .....	19	218	1,876
<b>Total .....</b>	<b>518</b>	<b>5,059</b>	<b>15,090</b>

<sup>1</sup> As authorized by the Act of Congress August 7, 1956 (Public Law 1021, 84th Congress).  
Soil Conservation Service.

FOOTNOTES FOR TABLE 654

<sup>1</sup> Data may not add to totals because of rounding.

<sup>2</sup> Forest land is land at least 10 percent stocked by forest trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10 percent stocked with forest trees, and forest areas adjacent to urban and built-up lands. Also included are pinyon-juniper and chaparral areas in the West and afforested areas. The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width at least 120 feet wide to qualify as forest land. Unimproved roads and trails, streams, and clearings in forest areas are classified as forest if less than 120 feet in width.

<sup>3</sup> Timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included.

<sup>4</sup> Includes Indian lands.

<sup>5</sup> Includes Alaska.

<sup>6</sup> Includes Hawaii.

Forest Service.

**Table 651.—Watershed protection<sup>1</sup> and flood prevention projects:<sup>2</sup> Works of improvement installed with the assistance of the Soil Conservation Service with watershed protection and flood prevention funds for year ending Sept. 30, 1988**

Item	Unit	Watershed and Flood Prevention Projects
Flood prevention subwatersheds in operation during year.....	Number.....	173
Watershed projects in operation during year.....	.....do.....	659
Land protected from erosion:		
Cropland.....	Acres.....	668,227
Pasture and hayland.....	.....do.....	660,266
Range and native pasture.....	.....do.....	473,828
Woodland.....	.....do.....	15,658
Wildlife.....	.....do.....	76,531
Recreation.....	.....do.....	8,964
Other.....	.....do.....	27,316
Total land <sup>3</sup> .....	.....do.....	1,930,790

<sup>1</sup> As authorized by the Soil Conservation Act of 1935 (Public Law 46, 74th Congress) and Watershed Protection and Flood Prevention Act P.L. 566, as amended.

<sup>2</sup> All of the 11 watersheds were approved Dec. 22, 1944; however, flood control funds did not become available for works of improvement until 1946. As of Sept. 30, 1985, work in two watersheds were completed.

<sup>3</sup> Land protected data included in Table 648 "Land Protected From Erosion by Soil Conservation Practices." Soil Conservation Service.

**Table 652.—Watershed protection: Improvement works installed on small watershed protection projects with assistance of the Forest Service, years ending Sept. 30, 1986 and 1987 and cumulative to Sept. 30, 1987<sup>1</sup>**

Project	Unit	During year ending Sept. 30, 1986	During year ending Sept. 30, 1987	Cumulative to Sept. 30, 1987
Land treatment:				
Erosion control:				
Channel improvement.....	Miles.....	0	0	7
Channel stabilization.....	.....do.....	0	0	13
Contour terrace and furrows.....	Acres.....	0	0	1,440
Critical area stabilization by tree planting.....	.....do.....	1,360	1,046	47,179
Forest road and roadbank stabilization.....	.....do.....	64	36	6,065
Gully control.....	Miles.....	0	0	195
Grade stabilization structures.....	Number.....	0	0	3,296
Surface mined/revegetation.....	Acres.....	12	146	3,580
Woodland grazing control.....	.....do.....	22	58	297,270
Flood prevention:				
Fire roads, trails, and firebreaks and fuelbreaks.....	Miles.....	18	4	1,698
Fire control water developments.....	Number.....	0	0	43
Fire towers.....	.....do.....	0	0	8
Heliports and helispots.....	.....do.....	0	0	42
Intensified fire protection.....	Acres.....	1,015	4,214	2,645,558
Mobile fire equipment.....	Number.....	0	1	76
Other fire control improvements.....	.....do.....	0	1	469
Radio installations.....	.....do.....	0	1	54
Forest management:				
Forest stand improvement.....	Acres.....	1,617	1,809	1,085,892
Proper harvest cutting.....	.....do.....	2,415	2,609	558,516
Range and grass seeding.....	.....do.....	709	2	49,233
Recreation area development.....	.....do.....	730	714	34,494
Tree planting and seeding.....	.....do.....	9,089	3,040	317,569
Wildlife habitat development.....	.....do.....	1,102	3,242	49,659
Wildlife ponds.....	Number.....	0	0	84
Technical assistance:				
Watershed plans.....	.....do.....	581	372	26,355
Area included.....	Acres.....	32,509	23,282	2,243,811

<sup>1</sup> As authorized by the Watershed Protection and Flood Prevention Act of 1954 (Public Law 83-566), as amended. Forest Service.

Table 653.—Flood prevention: Improvement works installed on flood prevention projects with assistance of the Forest Service, years ending Sept. 30, 1986 and 1987 and cumulative to Sept. 30, 1987<sup>1</sup>

Project	Unit	During year ending Sept. 30, 1986	During year ending Sept. 30, 1987	Cumulative to Sept. 30, 1987
<b>Land treatment:</b>				
<b>Erosion control:</b>				
Channel improvement.....	Miles .....	0	0	41
Channel stabilization.....	do .....	2	0	353
Critical area stabilization by tree planting.....	Acres .....	768	692	336,628
Diversion ditches.....	Feet .....	0	0	32,097
Floodwater retarding structures.....	Number .....	0	0	4
Forest road and roadbank stabilization.....	Acres .....	722	61	20,973
Grade stabilization structures.....	Number .....	2	2	1,694
Streambank stabilization.....	Miles .....	0	0	11
Surface mined/revegetation.....	Acres .....	161	285	8,874
Woodland grazing control.....	do .....	777	10	191,822
<b>Flood prevention:</b>				
Access road construction.....	Miles .....	6	0	382
Firebreaks and fuelbreaks.....	do .....	15	15	3,497
Fire roads and trails.....	do .....	4	10	639
Fire hazard reduction.....	Acres .....	13,100	3,437	43,563
Fire water developments.....	Number .....	9	4	200
Fire towers.....	do .....	0	0	46
Heliports and helispots.....	do .....	0	0	461
Mobile equipment.....	do .....	14	4	138
Other fire improvements.....	do .....	0	0	226
Permanent radio installations.....	do .....	0	0	318
<b>Forest management:</b>				
Forest stand improvement.....	Acres .....	838	691	662,483
Proper harvest cutting.....	do .....	1,697	828	682,740
Tree planting and seeding.....	do .....	2,693	2,134	530,278
Woodland thinning and release.....	do .....	0	0	458,486
<b>Technical assistance:</b>				
Watershed plans.....	Number .....	403	273	25,842
Area included.....	Acres .....	19,833	21,427	2,222,840
Woodland owners assisted.....	Number .....	2,835	4,741	650,615

<sup>1</sup> As authorized by the Navigation and Flood Control Act of 1944 (Public Law 78-534), as amended. Forest Service.

**Table 654.—Forest land: Total forest land and area and ownership of timberland, by regions, Jan. 1, 1987<sup>1</sup>**

Region	Total forest land <sup>2</sup>	Timberland <sup>3</sup>							
		All owner-ships	Federal			State, county, and municipal <sup>4</sup>	Private		
			Total	National forest	Other		Total	Forest industry	Farmer and other private
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
Northeast.....	85,251	80,102	2,936	2,212	724	6,834	70,332	12,590	57,742
North Central.....	80,221	74,584	7,990	7,253	737	13,227	53,367	4,361	49,006
Great Plains.....	4,229	3,529	993	943	50	232	2,304	21	2,283
North.....	169,701	158,215	11,919	10,408	1,511	20,293	126,003	16,972	109,031
Southeast.....	87,744	84,594	6,983	4,871	2,112	1,789	75,822	16,793	59,029
South Central.....	115,741	110,790	8,917	6,896	2,021	1,994	99,879	21,438	78,441
South.....	203,485	195,384	15,900	11,767	4,133	3,783	175,701	38,231	137,470
Pacific Northwest <sup>5</sup> .....	178,958	54,697	22,424	19,487	2,937	9,534	22,739	9,702	13,037
Pacific Southwest <sup>6</sup> .....	41,129	17,412	9,051	8,742	309	544	7,817	2,757	5,060
Rocky Mountains.....	138,104	57,611	37,709	34,819	2,890	5,196	14,706	2,943	11,763
West.....	358,191	129,720	69,184	63,048	6,136	15,274	45,262	15,402	29,860
All regions.....	731,377	483,319	97,003	85,223	11,780	39,350	346,966	70,605	276,361

See footnotes on page 475.

**Table 655.—Timber volume: Net volume of growing stock and sawtimber on timberland, by softwoods and hardwoods, and regions, Jan. 1, 1987<sup>1</sup>**

Region	Growing stock <sup>2</sup>			Sawtimber <sup>3</sup>		
	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
Northeast.....	109,135	31,391	77,744	252,183	80,476	171,707
North Central.....	77,905	16,009	61,896	207,088	45,255	161,833
Great Plains.....	3,380	1,912	1,468	11,742	6,807	4,935
North.....	190,420	49,312	141,108	471,013	132,538	338,475
Southeast.....	114,166	50,804	63,362	352,538	169,086	183,452
South Central.....	123,868	52,994	70,874	404,624	211,053	193,571
South.....	238,034	103,798	134,236	757,162	380,139	377,023
Pacific Northwest <sup>4</sup> .....	168,831	153,074	15,757	888,736	842,838	45,898
Pacific Southwest <sup>6</sup> .....	54,051	46,311	7,740	313,163	289,193	23,970
Rocky Mountains.....	104,599	98,386	6,213	399,196	386,904	12,292
West.....	327,481	297,771	29,710	1,601,095	1,518,935	82,160
All regions.....	755,935	450,881	305,054	2,829,270	2,031,612	797,658

See footnotes on page 482.

**Table 656.—Timber volume: Net volume of sawtimber on timberland in the West, by regions and species, Jan. 1, 1987 <sup>1</sup>**

Species	Total West	Pacific Northwest <sup>2</sup>	Pacific Southwest <sup>3</sup>	Rocky Mountains
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
<b>Softwoods:</b>				
Douglas-fir .....	510,030	333,959	80,131	95,940
Ponderosa and Jeffrey pines .....	188,277	62,869	55,481	69,927
True fir .....	208,756	73,550	78,898	56,308
Western hemlock .....	195,902	192,080	206	3,616
Sugar pine .....	24,000	3,274	20,708	18
Western white pine .....	14,330	4,417	2,180	7,733
Redwood .....	30,504	583	29,921	
Sitka spruce .....	65,390	65,190	200	
Engelmann and other spruces .....	93,489	30,181	89	63,219
Western larch .....	34,388	12,386		22,002
Incense cedar .....	24,204	10,596	13,589	19
Lodgepole pine .....	76,280	15,604	5,260	55,416
Other .....	53,412	38,173	2,526	12,713
<b>Total .....</b>	<b>1,518,962</b>	<b>842,862</b>	<b>289,189</b>	<b>386,911</b>
<b>Hardwoods:</b>				
Cottonwood and aspen .....	19,604	7,292	74	12,238
Red alder .....	26,500	26,100	400	
Oak .....	18,666	1,196	17,470	
Other .....	17,397	11,320	6,025	52
<b>Total .....</b>	<b>82,167</b>	<b>45,908</b>	<b>23,969</b>	<b>12,290</b>
<b>All species .....</b>	<b>1,601,129</b>	<b>888,770</b>	<b>313,158</b>	<b>399,201</b>

<sup>1</sup> International ¼-inch rule. Data may not add to totals because of rounding.<sup>2</sup> Includes Alaska. Estimates of hardwood volume are not available for most National Forests in Oregon and Washington.<sup>3</sup> Includes Hawaii.

Forest Service.

**Table 657.—Timber removals: Roundwood product output, logging residues and other removals from growing stock and other sources, by softwoods and hardwoods, 1986 <sup>1</sup>**

Roundwood products, logging residues, and other removals	All sources			Growing stock <sup>2</sup>			Other sources <sup>3</sup>		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>
<b>Roundwood products:</b>									
Sawlogs .....	7,064	5,395	1,668	6,722	5,175	1,546	342	220	122
Pulpwood .....	4,788	3,103	1,685	3,894	2,481	1,413	894	622	272
Veneer logs .....	1,540	1,433	107	1,439	1,337	102	101	96	5
Other products <sup>4</sup> .....	1,087	868	219	1,031	842	189	56	26	30
Fuelwood .....	3,114	545	2,568	798	206	592	2,316	339	1,977
<b>Total .....</b>	<b>17,593</b>	<b>11,345</b>	<b>6,248</b>	<b>13,884</b>	<b>10,042</b>	<b>3,843</b>	<b>3,708</b>	<b>1,303</b>	<b>2,405</b>
<b>Logging residues <sup>5</sup> .....</b>	<b>3,913</b>	<b>2,270</b>	<b>1,643</b>	<sup>6</sup> 1,582	<sup>6</sup> 999	<sup>6</sup> 584	<sup>7</sup> 2,331	<sup>7</sup> 1,272	<sup>7</sup> 1,059
<b>Other removals <sup>8</sup> .....</b>	<b>1,673</b>	<b>422</b>	<b>1,251</b>	<sup>9</sup> 984	<sup>9</sup> 327	<sup>9</sup> 657	<sup>7</sup> 689	<sup>7</sup> 95	<sup>7</sup> 593
<b>Total .....</b>	<b>23,178</b>	<b>14,037</b>	<b>9,141</b>	<b>16,451</b>	<b>11,367</b>	<b>5,083</b>	<b>6,728</b>	<b>2,670</b>	<b>4,058</b>

<sup>1</sup> Data may not add to totals because of rounding.<sup>2</sup> Includes live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground.<sup>3</sup> Includes salvable dead trees, rough and rotten trees, trees of noncommercial species, trees less than 5.0-inches diameter at 4½ feet above ground, tops, and roundwood harvested from nonforest land (for example, fence rows).<sup>4</sup> Includes such items as cooperage, pilings, poles, posts, shakes, shingles, board mills, charcoal and export logs.<sup>5</sup> Downed and dead wood volume left on the ground after trees have been cut on timberland.<sup>6</sup> Growing stock volume cut or knocked down during harvest but left at the harvest site.<sup>7</sup> Wood volume other than growing stock left on the ground after harvest, cultural operations, or timberland clearing. This volume is net of wet rot or advanced dry rot, and excludes old punky logs; consists of material sound enough to chip; includes downed dead and cull trees, tops above the 4-inch growing stock top, and trees smaller than 5 inches diameter at 4½ feet above ground; excludes stumps and limbs.<sup>8</sup> Unutilized wood volume from cut or otherwise killed growing stock, from nongrowing stock sources on timberland (for example, precommercial thinnings), or from timberland clearing. Does not include volume removed from inventory through reclassification of timberland to reserved timberland.<sup>9</sup> Growing stock volume removed by cultural operations or timberland clearing.

Forest Service.

**Table 658.—Timber growth, removals and mortality: Net annual growth, removals, and mortality of growing stock on timberland by softwoods and hardwoods and regions, 1986 <sup>1</sup>**

Region	Growth <sup>2</sup>			Removals <sup>3</sup>			Mortality <sup>4</sup>		
	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>
Northeast.....	2,948	702	2,246	1,302	521	781	675	257	418
North Central.....	2,564	587	1,977	1,406	205	1,202	568	111	457
Great Plains.....	86	47	38	42	26	16	15	7	8
North.....	5,598	1,336	4,262	2,750	751	1,999	1,258	375	883
Southeast.....	5,169	2,972	2,197	4,167	2,836	1,332	915	539	376
South Central.....	5,260	2,877	2,383	4,531	2,906	1,626	812	351	461
South.....	10,429	5,849	4,580	8,699	5,741	2,958	1,727	890	837
Pacific Northwest <sup>5</sup> .....	3,412	2,887	525	3,342	3,239	104	673	594	78
Pacific Southwest <sup>6</sup> .....	1,046	889	<sup>7</sup> 157	830	819	12	272	248	24
Rocky Mountains.....	2,041	1,909	131	829	817	12	530	488	43
West.....	6,499	5,685	813	5,002	4,875	127	1,475	1,330	145
All regions.....	22,526	12,870	9,656	16,451	11,367	5,083	4,460	2,596	1,865

<sup>1</sup> Data may not add to totals because of rounding.

<sup>2</sup> The net increase in the volume of trees during a specified year. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year.

<sup>3</sup> The net volume of trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, or land clearing.

<sup>4</sup> The volume of sound wood in trees that died from natural causes during a specified year.

<sup>5</sup> Includes Alaska.

<sup>6</sup> Includes Hawaii.

<sup>7</sup> Excludes hardwood growth on National Forest land in California.

Forest Service.

Table 659.—Timber volume: Net volume of sawtimber in the East, by regions and species, Jan. 1, 1987 <sup>1</sup>

Species	Total East	North				South		
		Total	Northeast	North Central	Great Plains	Total	Southeast	South Central
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
<b>Softwoods:</b>								
Longleaf and slash pines .....	54,258					54,258	36,497	17,761
Loblolly and shortleaf pines.....	271,257	3,976	1,985	1,991		267,281	92,866	174,415
Other yellow pines .....	28,465	3,065	2,556	509		25,400	17,407	7,993
White and red pines .....	48,627	41,697	26,916	14,781		6,930	5,997	933
Jack pine.....	3,854	3,854		3,846	8			
Spruce and balsam fir.....	37,773	37,699	26,099	11,362	238	74	74	
Eastern hemlock.....	22,992	20,932	16,746	4,186		2,060	1,593	467
Cypress .....	22,112	157		157		21,955	13,778	8,177
Other.....	23,354	21,177	6,185	8,426	6,566	2,177	877	1,300
<b>Total.....</b>	<b>512,692</b>	<b>132,557</b>	<b>80,487</b>	<b>45,258</b>	<b>6,812</b>	<b>380,135</b>	<b>169,089</b>	<b>211,046</b>
<b>Hardwoods:</b>								
Select white oaks.....	71,577	31,501	10,461	20,371	669	40,076	18,273	21,803
Select red oaks.....	63,517	39,798	23,003	16,566	229	23,719	10,014	13,705
Other white oaks.....	47,075	13,806	9,585	4,182	39	33,269	15,553	17,716
Other red oaks.....	109,528	30,669	13,688	16,878	103	78,859	33,435	45,424
Hickory.....	40,616	12,751	4,956	7,680	115	27,865	9,432	18,433
Yellow birch.....	8,796	8,603	6,506	2,097		193	153	40
Hard maple.....	41,300	38,364	22,602	15,755	7	2,936	989	1,947
Soft maple.....	47,863	34,538	22,571	11,830	137	13,325	10,296	3,029
Beech.....	21,202	14,182	11,202	2,980		7,020	2,614	4,406
Sweetgum.....	39,571	1,556	1,141	415		38,015	18,563	19,452
Tupelo and black gum.....	30,960	1,243	967	276		29,717	20,098	9,619
Ash.....	26,142	16,104	7,814	7,837	453	10,038	4,288	5,750
Basswood.....	11,687	10,067	2,832	7,122	113	1,620	865	735
Yellow-poplar.....	52,949	12,611	8,462	4,149		40,338	28,136	12,202
Cottonwood and aspen.....	32,567	29,511	4,997	22,777	1,737	3,056	389	2,667
Black walnut.....	3,457	2,467	473	1,792	202	990	401	589
Black cherry.....	11,587	11,259	8,914	2,340	5	328	328	
Other.....	55,123	29,475	11,544	16,800	1,131	25,648	9,601	16,047
<b>Total.....</b>	<b>715,517</b>	<b>338,505</b>	<b>171,718</b>	<b>161,847</b>	<b>4,940</b>	<b>377,012</b>	<b>183,448</b>	<b>193,564</b>
<b>All species.....</b>	<b>1,228,209</b>	<b>471,062</b>	<b>252,205</b>	<b>207,105</b>	<b>11,752</b>	<b>757,147</b>	<b>352,537</b>	<b>404,610</b>

<sup>1</sup> International ¼-inch rule. Data may not add to totals because of rounding. Forest Service.

**Table 660.—National Forest System: National Forest System lands and other lands within unit boundaries, in States and Territories, Sept. 30, 1988**

State or other area	Gross area within unit boundaries	National Forest System lands <sup>1</sup>	Other lands within unit boundaries <sup>2</sup>	State or other area	Gross area within unit boundaries	National Forest System lands <sup>1</sup>	Other lands within unit boundaries <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres		1,000 acres	1,000 acres	1,000 acres
AL.....	1,275	650	625	NH.....	823	715	108
AK.....	24,233	22,484	1,749	NM.....	10,384	9,326	1,058
AZ.....	11,933	11,278	655	NY.....	13	13	
AR.....	3,502	2,485	1,017	NC.....	3,165	1,221	1,944
CA.....	24,886	20,538	3,848	ND.....	1,106	1,106	(*)
CO.....	16,027	14,445	1,581	OH.....	833	187	646
CT.....	(*)	(*)	(*)	OK.....	461	296	165
FL.....	1,224	1,100	124	OR.....	17,494	15,626	1,869
GA.....	1,846	858	988	PA.....	743	512	231
HI.....	(*)	(*)	(*)	SC.....	1,376	605	770
ID.....	21,702	20,459	1,243	SD.....	2,342	1,997	345
IL.....	840	263	576	TN.....	1,212	626	586
IN.....	644	188	456	TX.....	1,994	753	1,241
KS.....	116	108	8	UT.....	9,128	8,041	1,087
KY.....	2,102	665	1,436	VT.....	630	326	303
LA.....	1,022	601	422	VA.....	3,226	1,639	1,587
ME.....	94	53	40	WA.....	10,049	9,150	899
MI.....	4,872	2,303	2,069	WV.....	1,861	1,021	840
MN.....	5,467	2,308	2,659	WI.....	2,023	1,510	513
MS.....	2,310	1,148	1,162	WY.....	9,704	9,255	449
MO.....	3,082	1,473	1,608	PR.....	56	28	28
MT.....	19,101	16,798	2,303	VI.....	(*)	(*)	(*)
NE.....	442	352	90				
NV.....	5,364	5,104	260	<b>Total.....</b>	<b>230,206</b>	<b>190,613</b>	<b>39,593</b>

<sup>1</sup> *National Forest Systems lands*.—A nationally significant system of Federally owned units of forest, range, and related land consisting of national forests, purchase units, national grasslands, land utilization project areas, experimental forest areas, experimental range areas, designated experimental areas, other land areas, water areas, and interests in lands that are administered by the Forest Service or designated for administration through the Forest Service.

*National forests*.—Units formally established and permanently set aside and reserved for national forest purposes. Purchase units.—Units designated by the Secretary of Agriculture or previously approved by the National Forest Reservation Commission for purposes of Weeks Law Acquisition.

*National grasslands*.—Units designated "National grasslands" by the Secretary of Agriculture and permanently held by the Department of Agriculture under Title III of the Bankhead-Jones Farm Tenant Act.

*Land utilization projects*.—Units designated by the Secretary of Agriculture for conservation and utilization under Title III of the Bankhead-Jones Farm Tenant Act.

*Research and experimental areas*.—Units reserved and dedicated by the Secretary of Agriculture for forest or range research and experimentation.

*Other areas*.—Units administered by the Forest Service that are not included in the above groups.

<sup>2</sup> *Other lands within unit boundaries*.—Lands within the unit boundaries in private, State, county, and municipal ownership and Federal lands over which the Forest Service has no jurisdiction. Areas of such lands which have been offered to the United States and have been approved for acquisition and subsequent Forest Service administration, but to which title had not yet been accepted by the United States.

<sup>3</sup> Less than 500 acres.

Forest Service.

FOOTNOTES FOR TABLE 655

<sup>1</sup> Data may not add to totals because of rounding.

<sup>2</sup> Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground.

<sup>3</sup> Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 9.0-inches diameter and hardwood trees must be at least 11.0-inches diameter at 4½ feet above ground.

<sup>4</sup> Includes Alaska.

<sup>5</sup> Includes Hawaii.

Forest Service.



**Table 661.—Measures of forest productivity for timber: Timberland area, timber growing-stock data, growth per acre, and forest productivity indexes, by species group and region, United States, 1952, 1962, 1970, 1977, and 1987**

Year	Timberland area	Net annual growth		Annual removals		Total inventory		Annual growth per acre		Productivity indexes			
		Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Growth/inventory		Removals/inventory	
										Softwoods	Hardwoods	Softwoods	Hardwoods
<i>Million acres</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Cubic feet</i>	<i>Cubic feet</i>	1977=100	1977=100	1977=100	1977=100
All regions													
1952.....	508	7.7	6.2	7.8	4.1	430	180	15.2	12.2	67	96	83	140
1962.....	518	9.6	7.1	7.6	4.3	448	210	18.5	13.7	80	94	78	128
1970.....	505	11.3	8.5	9.4	4.7	458	234	22.4	16.8	93	101	94	125
1977.....	491	12.4	9.3	10.0	4.2	465	260	25.2	19.0	100	100	100	100
1987.....	481	12.7	9.6	11.9	5.2	449	303	26.5	20.0	106	88	122	106
North													
1952.....	154	1.0	2.7	.6	1.5	27	77	6.3	17.8	100	110	145	116
1962.....	156	1.2	3.2	.5	1.5	34	94	7.7	20.5	101	105	99	98
1970.....	154	1.3	3.6	.6	1.9	39	105	8.7	23.3	96	105	95	106
1977.....	152	1.6	3.8	.7	2.0	44	116	10.3	25.0	100	100	100	100
1987.....	153	1.3	4.2	.7	2.0	47	138	8.4	27.2	76	93	96	86
South													
1952.....	204	3.6	3.0	3.1	2.6	59	84	17.9	14.9	97	86	116	164
1962.....	212	4.7	3.4	2.8	2.7	73	95	22.2	16.0	100	85	85	160
1970.....	204	5.6	4.3	3.8	2.7	87	104	27.6	21.0	102	98	96	148
1977.....	200	6.3	5.0	4.5	2.1	99	119	31.6	25.1	100	100	100	100
1987.....	195	5.8	4.6	5.7	3.0	104	134	30.1	23.5	88	81	123	125
West													
1952.....	150	3.1	.4	4.0	.0	344	19	20.8	2.6	63	81	77	51
1962.....	150	3.7	.5	4.3	.1	341	22	24.6	3.3	75	87	82	74
1970.....	147	4.4	.6	5.0	.1	332	26	29.7	4.1	91	94	99	90
1977.....	139	4.6	.6	4.9	.1	322	25	33.2	4.5	100	100	100	100
1987.....	133	5.6	.9	5.4	.2	299	31	42.1	6.4	130	109	119	146

Forest Service.

Table 662.—Measures of forest productivity for timber: Timberland area, timber growing-stock data, growth per acre, and forest productivity indexes, by species group and ownership, United States, 1952, 1962, 1970, 1977, and 1987

Year	Timberland area	Net annual growth		Annual removals		Total inventory		Annual growth per acre		Productivity indexes			
		Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Growth/inventory		Removals/inventory	
										Softwoods	Hardwoods	Softwoods	Hardwoods
		Million acres	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Cubic feet	Cubic feet	1977=100	1977=100	1977=100
<b>All owners</b>													
1952.....	508	7.7	6.2	7.8	4.1	430	180	15.2	12.2	67	96	83	140
1962.....	518	9.6	7.1	7.6	4.3	448	210	18.5	13.7	80	94	78	128
1970.....	505	11.3	8.5	9.4	4.7	458	234	22.4	16.8	93	101	94	125
1977.....	491	12.4	9.3	10.0	4.2	465	260	25.2	19.0	100	100	100	100
1987.....	481	12.7	9.6	11.9	5.2	449	303	26.5	20.0	106	88	122	106
<b>Forest industry</b>													
1952.....	60	1.9	.7	2.8	.5	77	20	31.4	11.6	63	92	73	139
1962.....	62	2.3	.8	2.3	.7	76	25	37.8	13.5	79	88	62	142
1970.....	67	2.6	1.1	3.1	.6	75	29	39.0	15.8	90	98	85	122
1977.....	69	2.9	1.2	3.6	.6	74	32	41.7	17.5	100	100	100	100
1987.....	70	3.2	1.2	4.5	.9	72	35	45.7	16.3	115	88	127	135
<b>Other private</b>													
1952.....	296	3.5	4.6	3.5	3.3	93	130	11.7	15.5	78	96	130	140
1962.....	304	4.3	5.1	3.0	3.4	103	148	14.2	16.8	89	94	102	128
1970.....	288	5.2	6.1	3.3	3.7	114	163	18.2	21.2	97	101	102	126
1977.....	278	5.9	6.6	3.6	3.2	123	180	21.1	23.9	100	100	100	100
1987.....	275	5.5	6.9	4.3	3.9	135	213	19.9	25.0	85	88	111	102
<b>National forests</b>													
1952.....	95	1.7	.4	1.0	.1	204	13	17.6	4.2	69	96	53	143
1962.....	97	2.0	.5	1.7	.1	214	17	20.6	5.2	79	97	85	122
1970.....	95	2.4	.6	2.2	.2	212	19	24.9	6.0	94	98	106	140
1977.....	89	2.5	.7	2.0	.1	208	21	27.3	7.3	100	100	100	100
1987.....	85	2.7	.6	2.0	.2	186	24	31.5	7.3	121	81	114	112
<b>Other public</b>													
1952.....	58	.7	.5	.4	.1	55	16	12.6	8.5	67	97	52	107
1962.....	55	1.0	.6	.6	.2	56	21	17.3	11.4	86	99	69	89
1970.....	55	1.1	.7	.8	.2	58	24	20.0	13.4	97	101	89	106
1977.....	55	1.2	.8	.9	.2	59	27	21.2	14.9	100	100	100	100
1987.....	51	1.4	1.0	1.0	.2	56	31	27.1	19.0	123	100	122	90

Forest Service.

**Table 663.—Forest products cut on National Forest System lands: Volume and value of timber cut and value of all products, United States, fiscal years 1974-88**

Year ending June 30 <sup>1</sup>	Total timber cut <sup>2</sup>		Value of miscel- laneous forest products <sup>4</sup>	Total value including free-use timber	Year ending June 30 <sup>1</sup>	Total timber cut <sup>2</sup>		Value of miscel- laneous forest products <sup>4</sup>	Total value including free-use timber
	Volume	Value <sup>3</sup>				Volume	Value <sup>3</sup>		
	<i>Million bd. ft.</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>Million bd. ft.</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	10,958	508,615	519	509,916	1981.....	8,086	720,922	1,627	728,919
1975.....	9,174	365,962	1,369	368,423	1982.....	6,747	339,215	2,020	348,708
1976.....	9,575	492,029	1,224	<sup>6</sup> 495,367	1983.....	9,244	649,652	1,728	655,874
( <sup>5</sup> ).....	(3,432)	(209,938)	(129)	(210,067)	1984.....	10,549	759,577	1,669	763,839
1977.....	10,482	732,547	1,002	735,949	1985.....	10,941	720,636	1,703	724,505
1978.....	10,080	854,682	1,174	858,474	1986.....	11,786	786,906	1,592	789,878
1979.....	10,377	968,033	1,149	973,018	1987.....	12,712	1,015,995	1,905	1,018,977
1980.....	9,178	729,829	1,064	736,641	1988.....	12,596	1,235,734	2,031	1,238,934

<sup>1</sup> Fiscal years July 1-June 30 for 1974-76; Oct. 1-Sept. 30 for 1977-88. <sup>2</sup> Commercial and cost sales and land exchanges.

<sup>3</sup> Includes collections for forest restoration or improvement under the Knutson-Vandenberg Act, 1930.

<sup>4</sup> Includes materials not measurable in board feet, such as Christmas trees, tanbark, turpentine, seedlings, Spanish moss, etc.

<sup>5</sup> Includes free-use timber for 15-month period ending Sept. 30, 1976. <sup>6</sup> Transition quarter July 1, 1976-Sept. 30, 1976.

Forest Service.

**Table 664.—Lumber: Production, United States, 1974-88**

Year	Total	Soft- woods	Hard- woods	Year	Total	Soft- woods	Hard- woods
	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>		<i>Million bd. ft.</i>	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>
1974.....	34,608	27,704	6,904	1982.....	30,010	24,949	5,061
1975.....	32,619	26,747	5,872	1983.....	34,553	28,926	5,627
1976.....	36,997	30,571	6,427	1984.....	37,065	30,801	6,264
1977.....	39,362	32,661	6,701	1985.....	36,445	30,479	5,966
1978.....	40,498	33,467	7,031	1986.....	41,999	34,815	7,184
1979.....	40,569	33,255	7,314	1987.....	44,886	37,410	7,476
1980.....	35,354	28,239	7,115	1988 <sup>1</sup> .....	44,730	37,003	7,727
1981.....	31,672	25,420	6,252				

<sup>1</sup> Preliminary.

Forest Service.

Table 665.—Timber products: Production, imports, exports, and consumption, United States, 1974-87<sup>1</sup>

Year	Industrial roundwood used for—											
	Lumber				Plywood and veneer				Pulp products			
	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports <sup>2</sup>	Exports <sup>2</sup>	Consumption
Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>
1974.....	5,095	1,115	270	5,940	1,150	155	50	1,255	4,220	1,470	805	4,885
1975.....	4,890	930	255	5,565	1,165	170	70	1,265	3,485	1,105	715	3,875
1976.....	5,585	1,290	290	6,585	1,355	215	65	1,500	3,805	1,320	710	4,415
1977.....	5,950	1,675	260	7,365	1,425	210	35	1,600	3,645	1,395	725	4,320
1978.....	6,155	1,910	275	7,790	1,460	230	40	1,650	3,745	1,595	720	4,625
1979.....	6,115	1,800	340	7,580	1,370	195	45	1,520	4,110	1,635	805	4,935
1980.....	5,300	1,540	395	6,450	1,175	120	45	1,250	4,390	1,565	1,070	4,885
1981.....	4,780	1,490	380	5,885	1,180	140	70	1,250	4,125	1,515	995	4,645
1982.....	4,635	1,460	320	5,780	1,135	115	50	1,200	3,980	1,415	900	4,495
1983.....	5,370	1,915	360	6,925	1,365	160	65	1,460	4,165	1,605	965	4,805
1984.....	5,770	2,130	340	7,560	1,400	145	45	1,500	4,355	1,860	930	5,290
1985.....	5,665	2,345	305	7,700	1,420	165	40	1,550	4,165	1,810	920	5,055
1986.....	6,545	2,285	385	8,445	1,505	185	65	1,625	4,545	1,895	1,080	5,360
1987 <sup>4</sup> .....	6,990	2,380	515	8,855	1,560	190	80	1,670	4,670	2,000	1,200	5,475

Year	Industrial roundwood used for—Continued								Fuel- wood production and consumption	Production, all products	Consumption, all products
	Other industrial products, <sup>5</sup> production and consumption	Logs		Pulp- wood chip exports	Total						
		Imports	Exports		Production	Imports	Exports	Consumption			
Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	Mil- lion cu. ft. <sup>3</sup>	
1974.....	395	15	455	230	11,540	2,755	1,805	12,490	535	12,075	13,025
1975.....	385	15	455	195	10,575	2,215	1,685	11,105	570	11,145	11,675
1976.....	375	15	555	245	11,920	2,840	1,870	12,895	600	12,525	13,495
1977.....	385	30	525	250	12,185	3,310	1,795	13,700	1,000	13,185	14,700
1978.....	395	20	585	225	12,565	3,755	1,845	14,480	1,525	14,090	16,005
1979.....	405	25	670	280	12,950	3,655	2,135	14,465	2,205	15,155	16,670
1980.....	415	25	560	275	12,120	3,250	2,350	13,020	3,105	15,225	16,125
1981.....	425	20	425	220	11,150	3,165	2,090	12,225	3,180	14,330	15,405
1982.....	435	20	550	175	10,910	3,015	1,995	11,930	3,355	14,265	15,285
1983.....	445	30	565	155	12,065	3,710	2,110	13,665	3,235	15,300	16,900
1984.....	455	30	600	145	12,725	4,165	2,060	14,830	3,620	16,345	18,450
1985.....	465	20	655	145	12,515	4,340	2,070	14,785	3,450	15,965	18,285
1986.....	475	15	620	150	13,845	4,375	2,300	15,920	3,115	16,960	19,030
1987 <sup>4</sup> .....	490	15	705	160	14,575	4,590	2,655	16,510	3,035	17,610	19,545

<sup>1</sup> Data may not add to totals because of rounding.<sup>2</sup> Includes both pulpwood and the pulpwood equivalent of woodpulp, paper, and board.<sup>3</sup> Roundwood equivalent.<sup>4</sup> Preliminary.<sup>5</sup> Includes coverage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

Forest Service.

**Table 666.—Timber prices: Average stumpage prices for sawtimber sold from national forests, by selected species, 1974-88**

Year	Douglas-fir <sup>1</sup>	Southern pine <sup>2</sup>	Ponderosa pine <sup>3</sup>	Western hemlock <sup>4</sup>	All eastern hardwoods <sup>5</sup>	Oak, white, red, and black <sup>5</sup>	Maple, sugar <sup>6</sup>
	Dollars per 1,000 bd. ft.	Dollars per 1,000 bd. ft.	Dollars per 1,000 bd. ft.	Dollars per 1,000 bd. ft.	Dollars per 1,000 bd. ft.	Dollars per 1,000 bd. ft.	Dollars per 1,000 bd. ft.
1974.....	202.40	76.20	100.60	110.80	45.90	54.70	75.90
1975.....	169.50	57.00	71.20	68.80	33.90	29.70	42.10
1976.....	176.20	87.00	101.80	79.70	34.90	43.40	27.70
1977.....	225.90	100.30	131.40	89.30	37.90	60.00	47.40
1978.....	250.30	134.50	164.70	113.60	41.10	59.20	60.50
1979.....	394.40	155.20	239.00	200.80	46.80	68.80	68.90
1980.....	432.20	155.40	206.10	212.70	52.40	65.60	70.10
1981.....	350.20	172.90	195.20	163.40	50.90	63.20	67.80
1982.....	118.20	127.20	66.90	44.50	56.40	70.80	71.10
1983.....	161.60	140.60	104.00	62.20	60.10	87.90	55.10
1984.....	132.90	139.40	122.70	61.80	90.10	145.00	80.50
1985.....	126.20	90.70	101.40	50.50	65.40	94.50	66.20
1986.....	160.70	103.60	156.60	74.70	69.90	103.10	80.50
1987.....	190.20	135.70	209.30	105.40	88.10	148.80	80.50
1988.....	256.00	141.90	182.10	162.90	151.30	146.30	108.40

<sup>1</sup> Western Washington and western Oregon. <sup>2</sup> Southern region. <sup>3</sup> Pacific Southwest region. Includes Jeffrey pine. Prior to 1979, California region. <sup>4</sup> Pacific Northwest region. <sup>5</sup> Eastern and Southern regions. <sup>6</sup> Eastern region.

Forest Service. Forest Service National Forest prices in this table are for timber sold on a Scribner Decimal C log rule basis, except in the Northeast States where International ¼-inch log rule is used. Prices include KV payments; exclude timber sold by land exchanges and from land utilization project lands. Data for the years 1974-83 are statistical high bid prices; beginning in 1984, data are high bid prices which include specified road costs.

**Table 667.—Timber products: Producer price indexes, selected products, United States, 1974-88**

[1982 = 100]

Year	Lumber	Softwood plywood	Wood pulp	Paper	Paper-board	Year	Lumber	Softwood plywood	Wood pulp	Paper	Paper-board
1974.....	66.6	66.2	57.5	51.9	59.7	1982.....	100.0	100.0	100.0	100.0	100.0
1975.....	61.9	71.1	74.8	60.4	66.8	1983.....	113.5	110.0	91.5	98.5	98.4
1976.....	75.0	87.8	75.5	63.7	69.1	1984.....	112.5	107.6	104.8	105.8	110.4
1977.....	89.0	104.9	74.2	67.8	69.1	1985.....	109.6	107.4	91.4	106.0	107.7
1978.....	103.7	115.7	70.3	72.0	70.5	1986.....	110.5	109.4	94.7	107.0	106.6
1979.....	114.0	114.2	82.9	80.2	79.3	1987.....	118.2	109.8	111.5	111.5	118.1
1980.....	104.9	109.5	100.3	89.7	92.0	1988.....	122.1	109.1	136.7	123.2	133.2
1981.....	104.6	108.7	104.8	97.7	101.2						

Forest Service. Compiled from reports of the U.S. Department of Labor, Bureau of Labor Statistics.

**Table 668.—Livestock on National Forest System lands: Number grazed and grazing receipts, United States, 1974-88**

Year	Number grazed <sup>1 2</sup>		Receipts from grazing <sup>4</sup>	Year	Number grazed <sup>1 2</sup>		Receipts from grazing <sup>4</sup>
	Cattle and horses <sup>3</sup>	Sheep and goats			Cattle and horses <sup>3</sup>	Sheep and goats	
	Thousands	Thousands	1,000 dollars		Thousands	Thousands	1,000 dollars
1974.....	1,580	1,470	7,796	1982.....	1,562	1,340	12,426
1975.....	1,626	1,549	7,665	1983.....	1,609	1,242	10,182
1976.....	1,690	1,750	10,909	1984.....	1,521	1,129	9,617
1977.....	1,587	1,473	11,443	1985.....	1,565	1,183	9,040
1978.....	1,557	1,284	11,037	1986.....	1,491	1,168	8,566
1979.....	1,540	1,251	12,520	1987.....	1,410	1,134	8,164
1980.....	1,521	1,328	15,849	1988.....	1,387	1,051	8,737
1981.....	1,535	1,341	14,889				

<sup>1</sup> Data for 1974-76 are for authorized use, and 1977-88 are number actually grazed. <sup>2</sup> Calendar years through 1976; fiscal years Oct. 1-Sept. 30 for 1977-88. <sup>3</sup> Beginning 1977 includes burros. <sup>4</sup> Fiscal years July 1-June 30 for 1974-76; Oct. 1-Sept. 30 for 1977-88.

Forest Service.

**Table 669.—Livestock on National Forest System lands: Number grazed and grazing receipts for the year ending Sept. 30, 1988, by States**

State or other area	Number grazed		Receipts from grazing	State or other area	Number grazed		Receipts from grazing
	Cattle, horses, and burros	Sheep and goats			Cattle, horses, and burros	Sheep and goats	
	<i>Number</i>	<i>Number</i>	<i>Dollars</i>		<i>Number</i>	<i>Number</i>	<i>Dollars</i>
AL.....			604	OH.....			862
AZ.....	119,522	23,707	1,533,039	OK.....	3,535		16,523
AR.....	5,188		19,059	OR.....	98,548	22,474	1 494,430
CA.....	109,343	67,860	554,694	SC.....	31		
CO.....	187,852	199,168	1,047,095	SD.....	74,026	4,801	338,865
FL.....	2,120		13,213	TX.....	18,941		55,739
GA.....	555		8,287	UT.....	95,981	236,125	750,787
ID.....	118,644	191,190	718,697	VT.....	1,661		20
IL.....	2,307	866	489	VA.....	992		5,785
IN.....				WA.....	32,452	12,907	122,374
KS.....	5,256		4,926	WV.....	1,489	146	16,749
KY.....	19		152	WI.....			
LA.....	3,724		11,940	WY.....	133,594	180,983	595,928
MI.....	474		189	National forests.....	1,205,271	1,025,633	8,013,491
MN.....	78		364	National grasslands and land utilization project land.....			
MS.....	1,926		3,896		182,017	25,759	723,983
MO.....	4,650		20,297	Total.....	1,887,288	1,051,392	8,737,474
MT.....	132,566	34,004	679,522				
NE.....	19,950		132,668				
NV.....	67,602	60,380	337,548				
NM.....	93,658	16,439	1,006,268				
NY.....			16,685				
ND.....	50,604	342	229,780				

<sup>1</sup> Includes receipts from Oregon and California Railroad Grant Lands. Forest Service.

**Table 670.—National Forest System lands: Receipts, United States and Puerto Rico, fiscal years 1974-88**

Year ending June 30 <sup>1</sup>	From the use of timber <sup>2</sup>	From the use of grazing	From special land uses, water power, etc.	Total <sup>2</sup>	Year ending June 30 <sup>1</sup>	From the use of timber <sup>2</sup>	From the use of grazing	From special land uses, water power, etc.	Total <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	459,892	7,796	17,996	485,684	1981.....	581,441	14,889	84,403	680,734
1975.....	341,305	7,665	24,091	373,061	1982.....	251,021	12,426	86,777	350,224
1976.....	418,564	10,909	25,190	454,663	1983.....	398,499	10,182	86,627	495,308
( <sup>3</sup> ).....	(196,347)	(1,164)	(7,489)	(205,000)	1984.....	544,265	9,617	83,467	637,349
1977.....	652,050	11,443	28,076	691,569	1985.....	514,560	9,040	112,347	635,947
1978.....	723,330	11,037	30,989	765,356	1986.....	745,132	8,566	78,025	831,723
1979.....	827,632	12,520	40,885	881,038	1987.....	807,941	8,104	82,348	898,393
1980.....	625,407	15,849	61,619	702,875	1988 <sup>4</sup> .....	888,374	8,737	83,050	980,162

<sup>1</sup> Fiscal years July 1-June 30 for 1974-76; Oct. 1-Sept. 30 for 1977-88.  
<sup>2</sup> Includes receipts from Oregon and California Railroad Grant Lands.  
<sup>3</sup> Transition quarter July 1, 1976-Sept. 30, 1976.  
<sup>4</sup> Preliminary.  
 Forest Service.

**Table 671.—National forests: Payments to States and Puerto Rico from receipts from timber sales, grazing fees, and miscellaneous uses, fiscal years <sup>1</sup> 1987-89 <sup>2</sup>**

State or other areas	1987	1988	1989	State or other areas	1987	1988	1989
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	1,826	1,505	1,396	NM.....	1,730	1,927	2,280
AK.....	402		410	NY.....	3	17	6
AZ.....	5,678	6,787	7,718	NC.....	735	952	613
AR.....	4,667	5,316	3,888	ND.....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
CA.....	46,968	52,560	63,311	OH.....	88	176	93
CO.....	2,079	2,528	2,718	OK.....	614	746	516
FL.....	1,762	2,709	1,691	OR.....	108,920	131,942	144,531
GA.....	1,009	860	797	PA.....	1,746	2,665	2,224
ID.....	7,812	9,307	10,344	SC.....	1,821	3,071	2,068
IL.....	60	236	88	SD.....	754	892	1,214
IN.....	121	79	69	TN.....	518	462	371
KY.....	456	482	449	TX.....	2,881	3,753	2,745
LA.....	2,551	3,423	2,804	UT.....	683	952	1,043
ME.....	25	34	26	VT.....	157	152	130
MI.....	1,188	1,389	791	VA.....	529	432	412
MN.....	638	835	492	WA.....	25,018	32,490	43,387
MS.....	5,510	5,017	5,055	WV.....	433	898	594
MO.....	1,195	1,569	2,130	WI.....	578	771	414
MT.....	7,110	6,500	8,238	WY.....	895	1,141	1,465
NE.....	33	35	34	PR.....	9	16	15
NV.....	313	245	345				
NH.....	372	493	375	<b>Total.....</b>	<b>239,887</b>	<b>285,314</b>	<b>317,290</b>

<sup>1</sup> Fiscal years Oct. 1-Sept. 30.  
<sup>2</sup> Payments under the acts of May 23, 1908 (as amended), July 24, 1956, and Oct. 22, 1976, are 25 percent of total receipts remaining after deducting (a) payments to Arizona and New Mexico on account school section lands administered by Forest Service, (b) appropriations of receipts under laws authorizing such appropriations for acquisition of lands in specified national forests or portions thereof, and (c) receipts from an area of the Superior National Forest, Minnesota, on account of which the State (for the counties) is paid 0.75 percent of the appraised valuation in lieu of 25 percent of the receipts. Payments made in the following year.  
<sup>3</sup> Less than \$500.

Forest Service.

**Table 672.—National Forest System lands: Number of visitor-days, <sup>1</sup> 1980-88, by activity and States, and Puerto Rico, 1988**

Year and activity	Visitor-days	Percent	1988			
			State or other area	Visitor-days	State or other area	Visitor-days
	<i>Thousands</i>			<i>Thousands</i>		<i>Thousands</i>
1980.....	233,549		AL.....	741	NM.....	7,227
1981.....	235,709		AK.....	4,354	NY.....	26
1982.....	233,438		AZ.....	18,831	NC.....	4,973
1983.....	227,708		AR.....	2,359	ND.....	187
1984.....	227,554		CA.....	59,517	OH.....	411
1985.....	225,407		CO.....	21,484	OK.....	331
1986.....	226,533		FL.....	2,787	OR.....	19,598
1987.....	238,458		GA.....	2,707	PA.....	2,621
			ID.....	10,736	SC.....	917
1988 activity:			IL.....	892	SD.....	2,735
Mechanized travel and viewing scenery.....	76,071	31.4	IN.....	430	TN.....	2,562
Camping, picnicking and swimming.....	70,186	29.0	KY.....	38	TX.....	1,864
Hiking, horseback riding and water travel.....	20,432	8.4	LA.....	2,301	UT.....	14,455
Hunting.....	16,416	6.8	MA.....	502	VT.....	1,154
Winter sports.....	15,785	6.5	MD.....	48	VA.....	3,804
Fishing.....	15,454	6.4	MI.....	4,320	WA.....	15,478
Resorts, cabins and organization camps.....	15,445	6.4	MN.....	4,450	WV.....	1,152
Non-consumptive fish and wildlife use.....	1,897	.8	MS.....	1,240	WI.....	2,000
Other <sup>2</sup> .....	10,631	4.4	MO.....	1,705	WY.....	6,514
			MT.....	8,844	PR.....	400
			NE.....	181		
<b>Total <sup>3</sup>.....</b>	<b>242,316</b>	<b>100.0</b>	NV.....	2,657	<b>Total <sup>3</sup>.....</b>	<b>242,316</b>
			NH.....	2,783		

<sup>1</sup> Recreational use of national forest land and water that aggregates 12 visitor-hours. This may entail one person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. Years ending Sept. 30.  
<sup>2</sup> Includes team sports, gathering forest products, attending talks and programs, and other uses.  
<sup>3</sup> Data may not add to total because of rounding.

Forest Service.

Table 673.—Pulpwood consumption, woodpulp production, and paper and board production and consumption, United States, 1974-87

Year	Pulpwood consumption <sup>1</sup>	Woodpulp production	Paper and board <sup>2</sup>		
			Production	Consumption or new supply <sup>3</sup>	Per capita consumption
	<i>1,000 cords</i> <sup>4</sup>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>
1974.....	74,327	48,349	57,952	62,500	584
1975.....	65,373	43,084	50,738	54,134	501
1976.....	72,011	47,721	57,788	61,739	566
1977.....	73,985	49,132	60,485	64,340	590
1978.....	74,170	50,020	61,317	68,045	611
1979.....	77,594	51,177	64,023	69,940	621
1980.....	79,703	52,958	63,865	67,969	597
1981.....	79,350	52,790	64,582	68,793	598
1982.....	77,573	50,986	60,958	65,205	561
1983.....	83,493	54,055	66,761	71,611	610
1984.....	86,948	57,747	70,268	77,305	652
1985.....	84,840	57,693	68,658	76,316	638
1986.....	91,083	60,562	72,475	79,861	661
1987 <sup>5</sup> .....	92,386	62,392	75,908	83,764	687

<sup>1</sup> Includes changes in stocks.<sup>2</sup> Excludes hardboard.<sup>3</sup> Production plus imports and minus exports (excludes products); changes in inventories not taken into account.<sup>4</sup> One cord equals 128 cubic feet.<sup>5</sup> Preliminary.

Forest Service. Compiled from U.S. Department of Commerce and American Paper Institute publications.



## CHAPTER XIII

# CONSUMPTION AND FAMILY LIVING

The statistics in this chapter deal with the consumption of food by both rural and urban people, retail price levels, and other aspects of family living of farm people. Data presented here on quantities for food available for consumption are based on material presented in the earlier commodity chapters, but they are shown here at the retail level, a form that is more useful for an analysis of the demand situation faced by the producer. Data on quantities of farm-produced food consumed directly by farm households are presented in the commodity chapters. Its value and the rental value of the farm home are given in the section on farm income.

**Table 674.—Population: Number of people eating from civilian food supplies, United States, Jan. 1 and July 1, 1974–89**

Year	Jan. 1	July 1	Year	Jan. 1	July 1
	<i>Millions</i>	<i>Millions</i>		<i>Millions</i>	<i>Millions</i>
1974.....	210.7	211.6	1982.....	229.2	230.3
1975.....	212.7	213.8	1983.....	231.6	232.6
1976.....	215.0	215.9	1984.....	233.8	234.8
1977.....	217.0	218.1	1985.....	236.0	237.0
1978.....	219.4	220.5	1986.....	238.3	239.4
1979.....	221.8	223.0	1987.....	240.6	241.7
1980.....	224.4	225.7	1988.....	243.0	244.1
1981.....	226.9	228.0	1989.....	245.4	246.6

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 675.—Macronutrients: Quantities available for consumption per capita per day, United States, 1972-85 <sup>1</sup>

Year	Food energy	Protein	Fat				Cholesterol	Carbohydrate
			Total fat	Saturated	Monoun-saturated	Polyun-saturated		
	<i>Kilocalories</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Milligrams</i>	<i>Grams</i>
1972.....	3,300	99	157	59	64	27	540	379
1973.....	3,300	98	152	56	62	28	510	386
1974.....	3,200	98	153	57	63	28	510	378
1975.....	3,200	98	149	54	61	27	500	381
1976.....	3,300	101	155	57	62	30	500	394
1977.....	3,300	100	153	56	61	29	500	393
1978.....	3,300	99	154	56	62	30	500	389
1979.....	3,400	100	158	58	63	31	510	396
1980.....	3,400	99	158	58	63	31	500	392
1981.....	3,400	99	159	58	64	31	500	393
1982.....	3,400	100	159	58	63	31	490	398
1983.....	3,400	101	162	59	65	32	500	397
1984.....	3,400	102	162	60	65	30	500	401
1985.....	3,500	104	169	61	68	33	500	413

See footnote at end of table.

Table 675.—Vitamins: Quantities available for consumption per capita per day, United States, 1972-85 <sup>1</sup>—Continued

Year	Vitamins										
	Vitamin A	Vitamin A	Carotenes	Vitamin E	Ascorbic acid	Thiamin	Riboflavin	Niacin	Vitamin B <sub>6</sub>	Folacin	Vitamin B <sub>12</sub>
	<i>International units</i>	<i>Retinol equivalent</i>	<i>Retinol equivalent</i>	<i>Milligrams alpha-te</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>
1972.....	8,400	1,500	520	13.7	105	2.0	2.2	23	2.0	279	10.7
1973.....	8,600	1,490	550	14.2	105	1.9	2.2	22	2.0	290	10.3
1974.....	8,900	1,540	570	13.8	106	2.0	2.2	23	2.0	278	10.6
1975.....	9,000	1,540	590	14.1	111	2.0	2.3	23	2.0	290	10.5
1976.....	9,100	1,560	580	14.7	110	2.2	2.4	25	2.1	292	10.8
1977.....	8,600	1,500	540	14.1	110	2.1	2.3	24	2.1	290	10.8
1978.....	8,700	1,500	550	14.5	108	2.1	2.3	24	2.0	280	10.3
1979.....	9,200	1,580	590	14.6	108	2.2	2.3	25	2.1	284	10.4
1980.....	9,100	1,540	590	14.5	110	2.2	2.3	24	2.0	280	10.0
1981.....	9,100	1,540	590	14.7	109	2.2	2.3	25	2.0	285	10.1
1982.....	9,100	1,540	600	15.0	110	2.2	2.3	25	2.1	293	9.8
1983.....	9,300	1,560	610	15.3	115	2.2	2.3	25	2.1	296	10.0
1984.....	9,600	1,590	640	14.9	111	2.2	2.4	25	2.1	296	10.2
1985.....	9,700	1,610	660	16.1	115	2.2	2.4	26	2.1	299	10.1

See footnote at end of table.

Table 675.—Minerals: Quantities available for consumption per capita per day, United States, 1972-85—Continued

Year	Minerals						
	Calcium	Phosphorus	Magnesium	Iron	Zinc	Copper	Potassium
	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>
1972.....	880	1,490	310	14.9	12.8	1.6	3,370
1973.....	880	1,480	320	15.0	12.4	1.6	3,380
1974.....	860	1,470	310	14.9	12.6	1.6	3,350
1975.....	870	1,470	320	15.1	12.6	1.6	3,390
1976.....	890	1,510	320	15.4	13.0	1.6	3,440
1977.....	880	1,500	310	15.2	12.9	1.6	3,370
1978.....	880	1,480	310	15.0	12.6	1.6	3,350
1979.....	880	1,490	310	15.1	12.5	1.6	3,350
1980.....	870	1,470	310	14.9	12.4	1.6	3,300
1981.....	860	1,470	310	15.1	12.5	1.6	3,300
1982.....	890	1,490	320	15.2	12.6	1.6	3,350
1983.....	900	1,510	320	16.6	12.7	1.6	3,400
1984.....	920	1,530	320	16.8	12.8	1.6	3,420
1985.....	910	1,540	330	17.0	13.0	1.7	3,460

<sup>1</sup> Computed by Human Nutrition Information Service (HNIS), USDA. Based on Economic Research Service estimates of per capita quantities of food available for consumption (retail weight) and on HNIS estimates of quantities of produce from home gardens and certain other foods. No deduction is made in food supply estimates for loss of food or nutrients in further processing, in marketing, or in the home. Data include iron, thiamin, riboflavin, niacin, vitamin A, vitamin B<sub>6</sub>, vitamin B<sub>12</sub> and ascorbic acid added by enrichment and fortification.

Human Nutrition Information Service.

Table 676.—Food nutrients: Percentage of total contributed by major food groups, 1977 <sup>1</sup>

Nutrient and period	Meat, poultry, fish	Dairy <sup>3</sup> products	Eggs	Fats, <sup>4</sup> oils	Fruits			Vegetables				Legumes, nuts, soy	Grain products	Sugars, sweeteners	Miscellaneous <sup>5</sup>	Total <sup>6</sup>
					Citrus	Non-citrus	Total <sup>6</sup>	White potatoes	Dark green, deep yellow	Other	Total <sup>6</sup>					
1977	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
Food energy .....	20	10	2	18	1	2	3	3	( <sup>2</sup> )	2	5	3	20	18	1	100.0
Protein .....	44	20	4	( <sup>2</sup> )	1	1	1	2	( <sup>2</sup> )	2	5	5	18	( <sup>2</sup> )	1	100.0
Total fat .....	34	12	3	43	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4	1	0	1	100.0
Saturated fat .....	42	20	2	31	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2	1	0	2	100.0
Monounsaturated fat .....	38	8	3	44	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4	( <sup>2</sup> )	0	1	100.0
Polyunsaturated fat .....	18	2	2	66	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1	1	6	3	0	( <sup>2</sup> )	100.0
Cholesterol .....	42	13	41	4	0	0	0	0	0	0	0	0	0	0	0	100.0
Carbohydrate .....	( <sup>2</sup> )	6	( <sup>2</sup> )	( <sup>2</sup> )	2	4	6	5	1	4	9	2	35	40	1	100.0
Vitamin A (retinol equivalents) .....	30	16	4	13	1	2	3	0	24	5	30	( <sup>2</sup> )	( <sup>2</sup> )	0	4	100.0
Carotene .....	0	3	0	3	2	7	8	0	69	14	83	( <sup>2</sup> )	1	0	2	100.0
Vitamin E .....	7	3	2	64	1	3	4	( <sup>2</sup> )	2	6	8	7	4	( <sup>2</sup> )	( <sup>2</sup> )	100.0
Ascorbic Acid .....	2	4	0	0	29	14	43	16	10	22	47	( <sup>2</sup> )	0	( <sup>2</sup> )	4	100.0
Thiamin .....	26	9	2	( <sup>2</sup> )	3	2	5	5	1	5	11	6	42	( <sup>2</sup> )	( <sup>2</sup> )	100.0
Riboflavin .....	25	36	5	( <sup>2</sup> )	1	2	3	1	1	4	6	2	23	( <sup>2</sup> )	1	100.0
Niacin .....	46	2	( <sup>2</sup> )	( <sup>2</sup> )	1	2	2	6	1	4	11	5	30	( <sup>2</sup> )	3	100.0
Vitamin B <sub>6</sub> .....	43	11	2	( <sup>2</sup> )	2	7	9	12	2	7	21	4	9	( <sup>2</sup> )	1	100.0
Folic acid .....	12	9	8	( <sup>2</sup> )	9	3	12	4	4	18	25	19	12	0	2	100.0
Vitamin B <sub>12</sub> .....	77	17	5	( <sup>2</sup> )	0	0	0	0	0	0	0	0	1	0	0	100.0
Calcium .....	4	77	2	( <sup>2</sup> )	1	1	2	1	1	4	6	3	4	( <sup>2</sup> )	1	100.0
Phosphorus .....	30	36	4	( <sup>2</sup> )	1	1	2	3	1	4	8	6	13	( <sup>2</sup> )	2	100.0
Magnesium .....	16	21	2	( <sup>2</sup> )	3	4	7	6	2	8	16	13	18	( <sup>2</sup> )	9	100.0
Iron .....	27	3	5	( <sup>2</sup> )	1	2	3	5	2	8	14	7	35	2	4	100.0
Zinc .....	51	18	4	( <sup>2</sup> )	( <sup>2</sup> )	1	1	3	1	3	7	5	12	( <sup>2</sup> )	2	100.0
Copper .....	22	4	1	( <sup>2</sup> )	2	5	7	11	2	8	21	18	18	2	6	100.0
Potassium .....	20	22	1	( <sup>2</sup> )	4	6	10	14	2	11	27	6	7	( <sup>2</sup> )	6	100.0

<sup>1</sup> Percentages for food groups are based on aggregate nutrient data for table 675.

<sup>2</sup> Less than 0.5 percent.

<sup>3</sup> Excludes butter.

<sup>4</sup> Includes butter.

<sup>5</sup> Coffee, tea, spices, chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific group.

<sup>6</sup> Components may not add to total due to rounding.

Human Nutrition Information Service.

Table 677.—Food nutrients: Percentage of total contributed by major food groups, 1985 <sup>1</sup>

Nutrient and period	Meat, poultry, fish	Dairy products <sup>2</sup>	Eggs	Fats, oils <sup>3</sup>	Fruits		Vegetables					Legumes, nuts, soy	Grain products	Sugars, sweeteners	Miscellaneous <sup>5</sup>	Total <sup>4</sup>
					Citrus	Non-citrus	Total <sup>4</sup>	White potatoes	Dark-green, deep-yellow	Other	Total <sup>4</sup>					
1985	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent
Food energy .....	19	10	2	20	1	2	3	3	( <sup>6</sup> )	2	5	3	20	18	1	100.0
Protein .....	43	21	4	( <sup>6</sup> )	( <sup>6</sup> )	1	1	2	( <sup>6</sup> )	2	5	5	19	( <sup>6</sup> )	1	100.0
Total fat .....	31	12	2	47	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	4	1	0	2	100.0
Saturated fat .....	39	20	2	34	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	2	1	0	2	100.0
Monounsaturated fat .....	34	8	2	48	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	4	( <sup>6</sup> )	0	1	100.0
Polyunsaturated fat .....	18	2	2	68	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	1	1	6	3	0	( <sup>6</sup> )
Cholesterol .....	43	13	39	5	0	0	0	0	0	0	0	0	0	0	1	100.0
Carbohydrate .....	( <sup>2</sup> )	6	( <sup>6</sup> )	( <sup>6</sup> )	2	5	7	5	1	3	9	2	36	40	1	100.0
Vitamin A (retinol equivalents).....	26	16	3	12	( <sup>2</sup> )	2	3	0	30	5	35	( <sup>6</sup> )	( <sup>6</sup> )	0	4	100.0
Carotene .....	0	2	0	3	1	6	7	0	74	12	86	( <sup>6</sup> )	1	0	2	100.0
Vitamin E .....	6	3	2	66	1	3	3	( <sup>2</sup> )	3	5	8	7	4	4	( <sup>6</sup> )	4
Ascorbic Acid.....	2	3	0	0	28	15	43	16	11	20	48	( <sup>6</sup> )	0	0	4	100.0
Thiamin .....	26	8	1	( <sup>6</sup> )	3	2	5	5	1	5	11	6	42	( <sup>6</sup> )	( <sup>6</sup> )	100.0
Riboflavin.....	24	35	4	( <sup>6</sup> )	1	2	3	1	1	3	6	2	24	1	1	100.0
Niacin.....	46	2	( <sup>6</sup> )	( <sup>6</sup> )	1	2	2	2	6	1	4	11	6	30	( <sup>6</sup> )	3
Vitamin B <sub>6</sub> .....	41	11	2	( <sup>6</sup> )	2	9	11	12	2	7	22	4	9	9	1	100.0
Folacin .....	13	8	8	( <sup>6</sup> )	9	3	12	5	4	16	25	20	13	0	2	100.0
Vitamin B <sub>12</sub> .....	75	18	5	( <sup>6</sup> )	0	0	0	0	0	0	0	0	2	0	0	100.0
Calcium .....	4	77	2	( <sup>6</sup> )	1	1	2	1	1	4	6	3	4	4	( <sup>6</sup> )	2
Phosphorus.....	29	36	4	( <sup>6</sup> )	1	1	2	3	1	4	8	6	13	6	3	100.0
Magnesium.....	15	20	1	( <sup>6</sup> )	2	5	7	6	2	8	16	13	18	10	1	100.0
Iron .....	24	2	4	( <sup>6</sup> )	1	2	3	5	2	6	13	7	41	2	4	100.0
Zinc .....	49	19	4	( <sup>6</sup> )	( <sup>6</sup> )	1	1	3	1	3	7	5	13	1	2	100.0
Copper.....	21	4	1	( <sup>6</sup> )	2	5	7	11	2	8	20	18	18	3	8	100.0
Potassium.....	19	21	1	( <sup>6</sup> )	4	7	11	14	2	11	27	6	7	6	100.0	

<sup>1</sup> Percentages for food groups are based on aggregate nutrient data for table 675.

<sup>2</sup> Excludes butter.

<sup>3</sup> Includes butter.

<sup>4</sup> Components may not add to total due to rounding.

<sup>5</sup> Coffee, tea, spices, chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific food group.

<sup>6</sup> Less than 0.5 percent.

Human Nutrient Information Service.

Table 678.—Per capita consumption of major food commodities (retail weight), United States, 1980-88 <sup>1</sup>

Commodity	1980	1981	1982	1983	1984	1985	1986	1987	1988 <sup>2</sup>
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Meats <sup>3</sup> .....	123.4	121.9	116.7	120.3	119.9	120.9	118.3	113.3	115.1
Beef.....	72.1	72.7	72.4	73.8	73.6	74.3	74.1	69.2	68.2
Veal.....	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.3	1.1
Lamb and mutton.....	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0
Pork.....	49.1	46.8	41.9	44.0	43.7	44.1	41.6	41.8	44.7
Fish <sup>3</sup> .....	12.8	12.7	12.1	12.9	13.4	14.3	14.8	15.2	15.0
Canned.....	4.5	4.7	4.2	4.7	4.9	5.1	5.6	5.1	5.1
Fresh and frozen.....	8.0	7.7	7.6	7.9	8.2	8.9	8.8	9.9	9.6
Cured.....	.3	.3	.3	.3	.3	.3	.3	.3	.3
Poultry <sup>3</sup> .....	42.6	43.9	44.8	45.7	47.0	49.3	51.0	55.2	57.1
Chicken.....	34.3	35.4	36.4	36.9	38.1	39.7	40.5	43.2	44.5
Turkey.....	8.3	8.5	8.5	8.9	9.0	9.5	10.5	12.0	12.6
Eggs.....	34.4	33.5	33.5	33.0	32.9	32.2	31.7	32.0	30.9
Dairy products:									
Total dairy products (milk equivalent).....	543.4	540.9	555.5	572.4	581.2	592.7	590.5	597.8	582.2
Fluid milk and cream (product weight).....	245.5	241.5	235.3	235.4	237.0	240.1	239.6	237.5	236.2
Plain and flavored whole milk.....	146.4	139.9	133.2	130.0	126.5	122.9	116.0	111.4	106.1
Lowfat milk (2% and 1% fat).....	70.0	72.5	73.4	75.3	78.3	83.0	87.7	89.2	90.9
Skim milk.....	11.6	11.3	10.6	10.6	11.5	12.6	13.4	14.0	16.2
Buttermilk.....	4.1	4.0	4.1	4.3	4.3	4.4	4.2	4.3	4.1
Flavored drink.....	5.3	5.6	5.5	5.9	6.0	6.0	6.3	6.6	6.6
Yogurt.....	2.6	2.5	2.6	3.2	3.7	4.1	4.4	4.5	4.6
Cheese (excluding cottage).....	17.5	18.2	19.9	20.5	21.4	22.5	23.0	24.0	23.6
American.....	9.6	10.2	11.3	11.6	11.8	12.1	12.1	12.4	11.4
Cheddar.....	6.9	7.0	8.7	9.1	9.5	9.7	9.7	10.6	9.5
Italian.....	4.4	4.5	4.8	5.3	5.8	6.4	7.0	7.6	8.1
Mozzarella.....	3.0	3.0	3.3	3.7	4.0	4.6	5.2	5.6	6.0
Cottage cheese.....	4.5	4.3	4.2	4.1	4.1	4.1	4.1	3.9	3.9
Condensed and evaporated milk:									
Whole milk.....	3.8	4.0	4.0	3.8	3.7	3.7	3.6	3.7	3.5
Skim milk.....	3.3	3.2	3.0	3.2	3.7	3.8	4.3	4.2	4.2
Ice cream (product weight).....	17.5	17.4	17.6	18.0	18.1	18.1	18.4	18.3	17.2
Fats and oils—Total fat content.....	57.2	57.6	58.2	59.9	58.7	64.1	64.1	62.7	62.7
Butter (actual weight).....	4.5	4.2	4.3	4.9	4.9	4.9	4.6	4.6	4.5
Margarine (actual weight).....	11.3	11.1	11.0	10.4	10.4	10.8	11.4	10.5	10.3
Shortening.....	18.2	18.5	18.6	18.5	21.2	22.8	22.0	21.3	21.4
Lard (direct use).....	2.6	2.5	2.5	2.1	2.1	1.8	1.7	1.8	1.7
Edible tallow (direct use).....	1.1	1.0	1.3	2.1	1.7	1.9	1.8	1.0	.8
Salad and cooking oils.....	21.2	21.8	21.8	23.5	19.8	23.5	24.1	25.2	25.7
Selected fresh fruits.....	86.8	83.8	83.9	88.8	88.2	86.7	92.5	97.8	93.4
Citrus.....	27.9	24.1	23.9	28.3	23.2	22.6	25.8	25.5	25.6
Apples.....	18.5	16.5	17.0	17.7	17.9	16.8	17.5	20.4	18.1
Other noncitrus.....	40.5	43.1	43.0	42.7	47.1	47.3	49.2	51.8	49.7
Selected fresh vegetables <sup>5</sup> .....	72.6	71.2	75.0	74.6	79.1	79.2	84.6	89.0	89.8
Selected vegetables for processing <sup>6</sup> .....	105.0	100.3	98.5	100.2	108.7	104.7	103.4	103.7	100.7
Tomatoes for processing <sup>6</sup> .....	69.6	59.3	60.1	60.8	68.4	63.1	63.4	64.6	61.0
Cucumbers for pickling <sup>6</sup> .....	5.6	5.7	5.7	5.8	5.8	5.8	5.3	5.1	5.2
Other vegetables for canning <sup>6</sup> .....	21.4	20.7	19.2	19.0	17.0	18.7	19.0	17.3	16.6
Vegetables for freezing <sup>6</sup> .....	14.4	14.7	13.6	14.6	17.5	17.1	15.8	16.7	17.9
White potatoes:									
Fresh.....	49.0	43.8	44.8	47.9	46.8	44.7	47.6	46.5	52.4
Frozen.....	18.5	18.9	19.5	19.4	20.2	22.0	23.0	22.8	21.9
Chips and shoestrings.....	4.1	4.1	4.2	4.4	4.4	4.3	4.5	4.3	4.2
Canned.....	1.2	1.1	1.2	1.2	1.1	1.2	1.1	1.1	1.1
Dehydrated.....	1.3	1.5	1.4	1.4	1.4	1.6	1.5	1.5	1.4
Grains:									
Wheat flour <sup>10</sup> .....	116.8	115.8	116.7	117.4	118.1	123.3	123.5	127.1	127.5
Rice.....	9.4	11.0	11.8	9.7	8.6	9.1	11.6	13.5	14.3
Pasta.....	10.3	10.3	10.3	10.6	11.0	11.3	11.6	11.9	12.2
Other:									
Coffee.....	7.7	7.5	7.4	7.5	7.6	7.8	7.8	7.5	6.9
Cocoa (chocolate liquor equivalent).....	2.7	2.9	3.0	3.2	3.4	3.7	3.8	3.9	3.9
Peanuts (shelled).....	4.8	5.5	5.9	5.9	6.0	6.3	6.4	6.3	6.8
Sugar (refined) <sup>11</sup> .....	83.6	79.3	73.6	71.0	67.6	63.4	60.8	62.4	61.7
Corn sweeteners (dry weight) <sup>12</sup> .....	39.1	43.5	48.2	52.6	58.8	65.6	67.4	68.5	69.6
Soft drinks (gallons).....	27.0	27.1	26.8	27.3	28.4	30.4	31.8	30.4	31.6

<sup>1</sup> Quantity in pounds, retail weight unless otherwise shown. Data on calendar year basis except fresh citrus fruits, peanuts and rice which are on a crop-year basis. <sup>2</sup> Preliminary. <sup>3</sup> Boneless, trimmed weight, or edible weight. <sup>4</sup> Total may not add due to rounding. <sup>5</sup> Includes asparagus, broccoli, carrots, cauliflower, celery, sweet corn, lettuce, onions, and tomatoes. <sup>6</sup> Farm weight. <sup>7</sup> Used in such processed products as ketchup, canned tomatoes, tomato paste, and tomato puree. <sup>8</sup> Includes asparagus, carrots green peas, snap beans, and sweet corn. <sup>9</sup> Includes asparagus, broccoli, carrots, cauliflower, green peas, snap beans, and sweet corn. <sup>10</sup> White, whole wheat, semolina, and durum flour. <sup>11</sup> Includes small amount of refined sugar contained in imported blends and mixtures, including sucrose-dextrose blends, sugar-sweetened tea mixes, and flavored syrups in consumer size containers. <sup>12</sup> High fructose, glucose, and dextrose. n.a. not available.

Economic Research Service. Historical consumption and supply-utilization data for food may be found in Food Consumption, Prices, and Expenditures, 1987-88, ERS, USDA, forthcoming.

**Table 679.—Food plans: Food cost at home, at four cost levels, for families and individuals in the United States, for one week, January 1989<sup>1</sup>**

Region and sex-age groups	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan
<b>FAMILIES</b>				
<i>Dollars</i> <i>Dollars</i> <i>Dollars</i> <i>Dollars</i>				
United States:				
Family of 2: <sup>2</sup>				
20-50 years.....	43.60	54.90	68.00	84.60
51 years and over.....	41.20	52.70	65.10	78.20
Family of 4:				
Children, 1-2 and 3-5 years.....	63.30	78.90	96.70	118.80
Children, 6-8 and 9-11 years.....	72.60	92.70	116.20	140.10
<b>INDIVIDUALS<sup>3</sup></b>				
United States:				
Child:				
1-2 years.....	11.40	13.90	16.20	19.50
3-5 years.....	12.30	15.10	18.70	22.40
6-8 years.....	15.10	20.00	25.10	29.30
9-11 years.....	17.90	22.80	29.30	33.90
Male:				
12-14 years.....	18.70	25.80	32.30	37.80
15-19 years.....	19.40	26.70	33.20	38.50
20-50 years.....	20.80	26.50	33.30	40.30
51 years and over.....	18.90	25.20	31.10	37.40
Female:				
12-19 years.....	18.60	22.40	27.20	32.90
20-50 years.....	18.80	23.40	28.50	36.60
51 years and over.....	18.60	22.70	28.10	33.70

<sup>1</sup> Estimates for the thrifty food plan were computed from quantities of foods published in *Family Economics Review* (1984 No. 1). Estimates for the other plans were computed from quantities of foods published in *Family Economics Review* (1983 No. 2). The costs of the food plans are estimated by updating prices paid by households surveyed in 1977-78 in USDA's Nationwide Food Consumption Survey. These prices were adjusted to current levels by using food price information released periodically by the Bureau of Labor Statistics. The cost of food plans by region is no longer estimated.

<sup>2</sup> Ten percent added for family size adjustment. (See footnote 3.)

<sup>3</sup> The costs given are for individuals in 4-person families. For individuals in other size families, the following adjustments are suggested: 1-person—add 20 percent; 2-persons—add 10 percent; 3-persons—add 5 percent; 5- or 6-persons—subtract 5 percent; 7-or-more-persons—subtract 10 percent.

Human Nutrition Information Service.



**Table 680.—Food and Nutrition Service Programs: Federal costs of the National School Lunch, School Breakfast, Child Care Food, Summer Food Service, WIC, Special Milk, and Food Distribution Programs, fiscal years 1974-88 <sup>1</sup>**

Fiscal year <sup>2</sup>	Child Nutrition				Cost of food distributed <sup>4</sup>	WIC <sup>5</sup>	Special Milk	Food Distribution Programs <sup>6</sup>
	Cash payments <sup>3</sup>							
	Lunch	Breakfast	Child Care	Summer Food				
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	1,085,314	59,120	27,342	33,533	386,903	10,404	49,158	218,400
1975.....	1,289,018	86,075	46,271	50,230	423,453	89,257	122,924	78,500
1976.....	1,491,545	113,560	74,948	73,378	429,590	142,640	138,549	49,100
1977.....	1,684,225	154,712	108,248	110,052	555,215	255,899	156,712	61,900
1978.....	1,830,920	183,894	131,612	96,107	631,457	379,615	135,211	95,700
1979.....	2,005,741	236,160	158,824	105,994	764,718	525,443	136,588	150,000
1980.....	2,279,403	287,766	208,179	108,296	930,083	724,693	145,212	194,400
1981.....	2,380,621	331,673	311,550	103,899	921,476	868,626	100,844	236,900
1982.....	2,185,445	317,300	300,896	82,982	784,569	948,172	18,285	467,200
1983.....	2,401,771	343,790	329,620	92,133	828,388	1,123,095	17,444	1,356,900
1984.....	2,507,665	364,004	376,828	94,373	859,198	1,386,094	16,043	1,489,900
1985.....	2,578,375	379,338	424,503	110,097	830,225	1,487,648	15,751	1,439,200
1986.....	2,714,260	406,252	465,671	112,868	854,004	1,580,518	15,456	1,390,900
1987.....	2,796,893	446,848	518,217	121,840	918,780	1,679,846	15,356	1,313,000
1988 <sup>7</sup> .....	2,908,245	473,597	583,757	132,044	852,812	1,797,509	18,724	1,073,100

<sup>1</sup> See table 683 for Food Stamp Program costs.<sup>2</sup> July 1-June 30 for fiscal years 1973-76; October 1-September 30 beginning fiscal year 1977.<sup>3</sup> Includes sponsor administrative costs for the Child Care Food and Summer Food Service Programs, and State administrative and health clinic expenses for the Summer Food Service Program.<sup>4</sup> Includes entitlement commodities, bonus commodities, and cash-in-lieu for the National School Lunch, School Breakfast, Child Care Food, and Summer Food Service Programs.<sup>5</sup> Includes food costs, administrative costs and program evaluation funds for the Special Supplemental Food Program for Women, Infants, and Children. Program operations began in January 1974.<sup>6</sup> Includes entitlement and bonus commodities, cash-in-lieu of commodities, and administrative costs of the following: Needy Family (Indian Reservations), Nutrition Program for the Elderly, Commodity Supplemental Food, Charitable Institutions, Summer Camps, and the Temporary Emergency Food Assistance Program (TEFAP). Excludes Child Nutrition commodities.<sup>7</sup> Preliminary.

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Table 681.—Food Stamp Program: Participation and Federal costs, fiscal years 1974–88

Fiscal year <sup>1</sup>	Average monthly participation <sup>2</sup>	Recipient benefits <sup>3</sup>	Total cost <sup>4</sup>	Average benefit per person
	<i>1,000</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Dollars</i>
1974.....	12,862	2,718,296	2,842,158	17.61
1975.....	17,064	4,385,501	4,623,970	21.42
1976.....	18,549	5,326,505	5,692,103	23.93
1977.....	17,077	5,066,950	5,469,249	24.74
1978.....	16,001	5,139,216	5,528,307	26.77
1979.....	17,653	6,480,189	6,948,762	30.59
1980.....	21,082	8,720,870	9,215,849	34.47
1981.....	22,430	10,629,866	11,235,233	39.49
1982 <sup>5</sup> .....	21,717	10,208,298	10,850,861	39.17
1983.....	21,625	11,152,313	11,862,539	42.98
1984.....	20,854	10,696,130	11,594,862	42.74
1985.....	19,899	10,743,555	11,714,902	44.99
1986.....	19,429	10,605,196	11,693,686	45.49
1987.....	19,113	10,500,344	11,643,599	45.78
1988 <sup>6</sup> .....	18,645	11,149,051	12,356,345	49.83

<sup>1</sup> Data for fiscal years July 1 to June 30 for 1973–76; October 1 to September 30 beginning 1977.

<sup>2</sup> Food Stamp coverage was not nationwide in scope until March 1975.

<sup>3</sup> Prior to elimination of the purchase requirement in January 1979, Federal benefits were often referred to as "bonus dollars". Current publications frequently refer to benefits as the "value of issuance".

<sup>4</sup> The total cost includes matching funds for state administrative expenses (e.g., certification of households, quality control, anti-fraud activities); other program costs (e.g., printing and processing of stamps, the bank monitoring system, computer support systems); and transfers to other Federal agencies to offset their expenses in auditing or investigating the program (e.g., Office of the Inspector General).

<sup>5</sup> Omits Puerto Rico beginning July 1, 1982 when their nutrition assistance program began.

<sup>6</sup> Preliminary.

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**Table 682.—Food and Nutrition Service program benefits: Cash payments made under the National School Lunch, School Breakfast, Child Care, Summer Food and Special Milk Programs and the value of food benefits provided under the Food Stamp, WIC, Commodity Distribution and Temporary Emergency Feeding Food Programs, fiscal year 1988 <sup>1</sup>**

State or Territory	Child Nutrition Program (cash payments only)					Special Supplemental Food (WIC)	Commodity distribution <sup>2 3</sup>	Food Stamp Program <sup>4</sup>	TEFAP <sup>5</sup>	Total
	Child Care Food	Summer Food	Special Milk	National School Lunch	Breakfast					
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	10,834	3,599	35	73,646	12,859	29,425	20,439	265,735	13,228	429,800
AK.....	2,694	0	31	7,626	799	2,882	2,699	26,816	0	43,549
AZ.....	9,045	971	208	38,067	6,800	25,402	24,610	146,912	6,940	258,954
AR.....	4,741	201	28	38,352	6,754	18,603	12,520	126,293	8,635	216,127
CA.....	61,901	9,699	956	329,865	63,876	137,207	97,963	698,237	76,778	1,476,483
CO.....	12,878	761	129	28,735	2,606	14,556	16,405	126,914	6,766	209,750
CT.....	5,496	1,135	589	20,846	1,936	20,641	10,834	49,665	4,092	115,232
DE.....	2,455	804	36	5,328	981	3,196	2,459	17,989	947	34,194
DC.....	1,741	413	13	9,550	1,706	4,614	4,978	34,107	1,662	58,785
FL.....	20,331	8,141	120	131,366	23,546	50,531	28,668	403,818	32,726	699,246
GA.....	15,067	3,997	46	96,179	16,541	46,206	35,143	274,523	11,330	499,031
GU.....	7	0	0	1,979	624	1,254	417	14,885	86	19,251
HI.....	1,748	0	9	14,824	2,333	6,110	6,328	77,849	2,021	111,222
ID.....	1,668	63	139	12,675	596	7,122	4,924	37,732	3,160	68,079
IL.....	21,130	4,016	2,583	126,344	12,938	56,929	35,575	727,841	36,529	1,023,886
IN.....	7,790	1,538	366	47,454	3,757	27,528	22,099	189,480	12,431	312,441
IA.....	5,391	727	242	29,613	1,722	13,253	16,369	102,219	6,772	176,306
KS.....	10,738	420	397	25,311	1,099	12,358	5,748	73,981	4,234	134,286
KY.....	5,845	1,064	277	58,215	14,163	28,470	20,362	302,347	14,048	444,792
LA.....	13,827	3,465	81	98,180	16,648	42,523	37,791	461,605	15,131	689,251
ME.....	3,483	233	162	10,947	839	7,090	7,788	47,335	2,231	80,108
MD.....	8,528	1,437	338	35,595	5,107	17,179	17,234	166,343	7,690	259,450
MA.....	17,022	1,757	498	41,469	7,852	23,700	25,316	142,900	8,672	269,186
MI.....	19,397	3,783	1,396	80,023	4,982	49,509	47,047	505,369	26,213	737,720
MN.....	23,650	1,073	583	37,457	1,972	21,386	20,977	121,079	9,775	237,951
MS.....	13,573	4,516	18	69,521	15,813	28,642	17,722	304,517	9,254	463,575
MO.....	10,064	1,222	549	54,420	6,498	26,956	23,413	234,382	10,224	367,729
MT.....	2,593	203	67	8,769	786	5,092	6,459	35,467	2,020	62,255
NE.....	6,477	270	220	16,451	902	7,845	10,340	51,236	3,375	97,116
NV.....	919	53	33	6,135	1,336	5,052	4,277	25,824	2,361	45,989
NH.....	1,171	155	198	5,568	491	5,316	3,628	9,580	998	27,106
NJ.....	11,027	3,318	977	57,473	5,469	30,557	20,219	220,984	9,411	359,436
NM.....	7,026	2,022	27	28,042	3,811	11,997	8,973	97,012	4,047	162,956
NY.....	38,926	26,437	1,864	206,366	36,117	116,922	73,973	909,414	42,517	1,452,535
NC.....	11,795	2,695	122	84,499	19,674	40,789	32,218	221,554	12,642	425,988
ND.....	4,556	219	73	7,649	445	4,994	6,573	20,056	1,340	45,893
No. Marianas <sup>4</sup> .....	0	0	0	1,312	511	0	173	0	21	2,017
OH.....	16,015	2,336	1,224	104,337	16,804	58,067	37,280	730,284	29,688	996,036
OK.....	7,409	482	149	41,292	6,981	21,825	30,663	166,764	13,350	288,915
OR.....	5,075	623	229	24,480	2,491	12,792	11,351	142,302	7,266	206,607
PA.....	17,446	7,196	771	98,145	7,351	54,450	40,896	539,916	9,205	775,376
PR <sup>4</sup> .....	0	2,919	0	97,014	16,692	63,451	16,258	0	13,035	209,368
RI.....	1,404	716	105	6,937	795	5,843	2,450	31,565	1,508	51,323
Samoa, American.....	0	0	0	2,298	1,178	0	604	0	0	4,081
SC.....	5,893	3,838	23	57,614	8,811	31,341	18,146	158,144	6,494	290,303
SD.....	1,887	0	58	11,233	1,550	5,860	10,247	30,942	2,308	64,086
TN.....	7,677	1,431	38	64,505	15,882	30,136	27,483	209,889	14,632	455,724
TX.....	35,060	3,829	98	256,708	66,756	92,086	82,293	984,434	49,544	1,570,808
Trust Territories <sup>6</sup> .....	0	0	0	0	0	0	761	0	0	761
UT.....	6,556	167	48	21,193	586	12,937	12,004	54,991	4,155	112,636
VT.....	1,489	30	188	3,930	197	4,861	3,566	16,888	0	31,151
VA.....	8,293	1,341	259	55,911	7,470	29,184	21,416	194,618	5,724	324,221
VI.....	382	345	4	3,455	124	3,427	1,345	14,984	356	24,423
WA.....	14,693	598	291	38,603	3,529	19,295	18,684	175,962	5,320	276,985
WV.....	2,922	504	33	27,589	8,777	12,375	8,265	164,780	7,318	232,564
WI.....	6,836	711	1,779	40,755	2,513	22,279	21,509	159,780	10,081	265,996
WY.....	1,993	75	22	4,524	219	2,740	3,499	17,054	1,655	31,781
Dept. of Defense.....	0	0	0	1,865	0	0	2,498	0	0	4,372
Total.....	536,562	118,116	18,724	2,908,238	473,597	1,434,833	1,103,880	11,149,051	592,748	18,355,763

<sup>1</sup> Preliminary. Excludes administrative costs. <sup>2</sup> Includes distribution of entitlement and bonus commodities to Schools, Child Care, Summer Food Service, Charitable Institutions, Summer Camps, Indian Reservations, Elderly Feeding, and Commodity Supplemental. <sup>3</sup> Excludes \$152.1 million cash-in-lieu of commodities to School Lunch, Child Care, and Elderly Feeding Programs. <sup>4</sup> Excludes nutrition assistance grants of \$879 million to Puerto Rico and \$3.7 million to the Northern Marianas. <sup>5</sup> Includes the value of commodities provided under the Temporary Emergency Food Assistance Program. <sup>6</sup> The former Trust Territories no longer participate in Child Nutrition Programs.

**Table 683.—Food and Nutrition Service programs: Persons participating, fiscal years 1974-88 <sup>1</sup>**

Fiscal year <sup>2</sup>	National School Lunch Program	School Breakfast Program
	<i>Thousands</i>	<i>Thousands</i>
1974.....	25,019	1,534
1975.....	25,289	1,993
1976.....	26,041	2,326
1977.....	26,676	2,627
1978.....	27,062	2,960
1979.....	27,322	3,488
1980.....	27,011	3,713
1981.....	26,843	3,996
1982.....	23,165	3,447
1983.....	23,383	3,480
1984.....	23,696	3,556
1985.....	24,051	3,574
1986.....	24,263	3,596
1987.....	24,500	3,752
1988 <sup>3</sup> .....	24,648	3,831

<sup>1</sup> Based on peak month of participation.<sup>2</sup> Data for fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 beginning fiscal year 1977.<sup>3</sup> Preliminary.

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**Table 684.—Consumers' prices: Index number of prices paid for goods and services, United States, 1981-88 <sup>1</sup>**

[1982-84=100]

Year	Food	Nonfood items				All items	
		Apparel and upkeep	Housing		Transportation		Medical care
			Total	Rent			
1981 <sup>2</sup> .....	93.6	95.3	90.4	100.0	93.2	82.9	90.9
1982.....	97.4	97.8	96.9	100.0	97.0	92.5	96.5
1983.....	99.4	100.2	99.5	103.0	99.3	100.6	99.6
1984.....	103.2	102.1	103.6	108.6	103.7	106.8	103.9
1985.....	105.6	105.0	107.7	115.4	106.4	113.5	107.6
1986.....	109.0	105.9	110.9	121.9	102.3	122.0	109.6
1987.....	113.5	110.6	114.2	128.1	105.4	130.1	113.6
1988.....	118.2	115.4	118.5	133.6	108.7	138.6	118.3

<sup>1</sup> Reflects retail prices of goods and services usually bought by average families in urban areas of the United States. This index is the official index released monthly by the U.S. Department of Labor. Beginning 1978 data are for all urban consumers; earlier data are for urban wage earners and clerical workers.<sup>2</sup> Data prior to 1980 available from U.S. Department of Labor.

Economic Research Service. Compiled from data of the U.S. Department of Labor.

Table 685.—Number of foodservice establishments, by industry segment, 1981–88

Industry segment	1981	1982	1983	1984	1985	1986	1987	1988 <sup>1</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Separate eating places:								
Restaurants, lunchrooms.....	122,060	122,851	123,642	124,433	125,502	125,237	124,983	125,042
Fast food outlets.....	113,794	117,119	120,444	123,769	124,809	125,032	126,619	127,930
Cafeterias.....	6,223	6,029	5,835	5,640	5,388	4,277	4,420	4,312
Total.....	242,089	249,558	249,932	253,854	255,699	254,546	256,022	257,284
Lodging places.....	23,559	24,448	23,855	23,262	22,613	24,533	25,413	26,252
Retail hosts.....	58,193	57,578	56,963	56,348	56,005	55,616	54,942	54,008
Recreation, entertainment.....	33,996	34,093	34,188	34,282	34,910	35,716	36,125	36,660
Separate drinking places.....	45,864	44,478	43,092	41,706	40,642	39,462	38,520	37,113
Commercial feeding total.....	403,701	410,155	408,030	409,453	409,869	409,873	411,022	411,317
Education:								
Elementary, secondary.....	92,900	91,300	90,600	89,600	89,424	88,824	88,414	89,692
Colleges, universities.....	3,253	3,280	3,284	3,288	3,299	3,312	3,443	3,511
Other education.....	2,925	2,966	2,975	3,000	3,076	3,120	3,195	3,240
Total.....	99,078	97,546	96,859	95,888	95,799	95,256	95,042	96,443
Plants, office buildings.....	15,747	15,414	15,409	15,846	15,963	16,006	16,814	17,250
Hospitals.....	6,933	6,915	6,888	6,861	6,835	6,810	6,796	6,772
Care facilities.....	24,941	26,817	27,875	28,933	29,711	30,599	31,218	31,945
Vending.....	3,634	3,608	3,582	3,556	3,535	3,507	3,480	3,453
Military services:								
Troop feeding.....	1,389	1,387	1,341	1,310	1,290	1,250	1,222	1,217
Clubs, exchanges.....	2,435	2,431	2,420	2,042	1,980	1,940	1,913	1,904
Total.....	3,824	3,818	3,761	3,352	3,270	3,190	3,135	3,121
Transportation.....	714	664	644	642	640	626	607	594
Associations.....	19,211	19,272	19,333	19,394	19,450	19,333	19,200	19,070
Correctional facilities.....	6,977	7,031	7,085	7,164	7,204	7,232	7,255	7,282
Child day care centers.....	64,657	70,679	78,800	84,175	88,410	91,645	94,819	96,918
Elderly feeding programs.....	12,915	13,246	13,993	14,035	14,068	19,167	19,605	20,000
Other.....	15,841	16,159	16,479	16,799	17,101	17,389	17,681	17,767
Noncommercial feeding total.....	274,472	281,169	290,708	296,645	301,986	310,760	315,652	320,615
Grand total.....	678,172	691,324	698,738	706,098	711,855	720,633	726,674	731,932

<sup>1</sup> Preliminary.

Economic Research Service, *Food Marketing Review*, 1988.

Table 686.—Foodservice sales, by industry segment, 1981-88

Industry segment	1981	1982	1983	1984	1985	1986	1987	1988 <sup>1</sup>
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Separate eating places:								
Restaurants, lunchrooms.....	38,805	40,931	44,731	48,419	52,296	54,077	57,942	60,476
Fast food outlets.....	31,523	36,492	41,898	47,319	51,455	55,767	56,822	60,597
Cafeterias.....	2,575	2,699	2,871	3,022	2,992	2,817	2,919	3,033
Total <sup>2</sup> .....	73,787	80,967	90,356	99,582	106,743	112,661	117,683	124,106
Lodging places.....	5,939	6,164	6,756	7,264	7,355	7,862	7,913	8,020
Retail hosts.....	3,835	3,943	4,318	4,779	4,910	5,242	5,391	5,499
Recreation, entertainment.....	2,471	2,813	3,093	3,394	3,510	3,935	4,215	4,468
Separate drinking places.....	1,121	1,098	1,111	1,076	982	903	844	817
Commercial feeding total <sup>2</sup> .....	87,154	94,985	105,634	116,095	123,500	130,603	136,046	142,910
Education:								
Elementary, secondary.....	8,099	7,368	7,537	7,930	8,472	8,673	8,803	8,973
Colleges, universities.....	3,126	3,487	3,886	4,092	4,230	4,403	4,544	4,735
Other education.....	152	175	201	217	240	267	277	283
Total <sup>2</sup> .....	11,376	11,030	11,624	12,239	12,942	13,343	13,624	13,991
Plants, office buildings.....	5,669	5,919	6,258	6,793	7,186	7,365	7,525	7,826
Hospitals.....	5,366	5,609	5,715	5,817	5,905	6,392	6,750	7,028
Care facilities.....	4,072	4,797	4,983	5,281	5,452	5,522	5,752	5,982
Vending.....	3,183	3,214	3,348	3,553	3,730	3,685	3,705	3,838
Military services:								
Troop feeding.....	1,619	1,644	1,709	1,765	1,853	1,933	2,002	2,076
Clubs, exchanges.....	490	522	546	601	617	627	642	666
Total <sup>2</sup> .....	2,109	2,166	2,255	2,366	2,470	2,560	2,644	2,742
Transportation.....	1,656	1,685	1,793	1,922	1,996	2,296	2,469	2,822
Associations.....	1,276	1,431	1,501	1,562	1,610	1,692	1,714	1,795
Correctional facilities.....	786	1,018	1,092	1,155	1,205	1,388	1,505	1,545
Child day care centers.....	641	607	663	760	835	920	1,012	1,047
Elderly feeding programs.....	544	579	629	689	744	804	884	897
Other.....	208	223	238	252	268	287	303	336
Noncommercial feeding total <sup>2</sup> .....	36,886	38,279	40,098	42,390	44,343	46,254	47,887	49,849
Grand total <sup>2</sup> .....	124,040	133,264	145,733	158,485	167,843	176,857	183,933	192,759

<sup>1</sup> Preliminary.<sup>2</sup> Totals may not add due to rounding.Economic Research Service, *Food Marketing Review*, 1988.

## CHAPTER XIV

# MISCELLANEOUS AGRICULTURAL STATISTICS

This chapter contains miscellaneous data which do not fit into the preceding chapters. Included here are summary tables on foreign trade in agricultural products; statistics on fishery products; tables on refrigerated warehouses; and statistics on crops in Alaska.

### Foreign Agricultural Trade Statistics

U.S. foreign agricultural trade statistics are based on documents filed by exporters and compiled by the Bureau of the Census. Agricultural commodities consist of (1) nonmarine food products and (2) other products of agriculture which have not passed through complex processes of manufacture such as fibers, raw hides and skins, fats and oils, beer, and wine. Such manufactured products as textiles, leather, boots and shoes, cigarettes, naval stores, forestry products, and distilled alcoholic beverages are not considered agricultural.

The trade statistics exclude shipments between the 50 States and Puerto Rico, between the 50 States and the island possessions, between Puerto Rico and the island possessions, among the island possessions, and in transit through the United States from one foreign country to another when documented as such by U.S. Customs authorities.

The export statistics also exclude shipments to the U.S. Armed Forces and diplomatic missions abroad for their own use and supplies for vessels and planes engaged in foreign trade. Data on shipments valued at less than \$251 (\$100 prior to October 1969) are not compiled by commodity and are excluded from agricultural statistics but are reflected in shipments under Public Law 83-480 (Agricultural Trade Development and Assistance Act), and related laws; under the Foreign Assistance Act of 1961, as amended; and involving Government payments to exporters. (USDA payments are excluded from the export value.) Separate statistics on Government program exports are compiled by the U.S. Department of Agriculture from data obtained from operating agencies.

The export value, the value of the port of exportation, is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port. The country of destination is the country of ultimate destination or where the commodities are to be consumed, further processed, or manufactured. When the shipper does not know the ultimate destination, the shipments are credited to the last country, as known to him at the time of shipment from the United States, to which the commodities are to be shipped in their present form. Since substantial amounts of agricultural commodities such as wheat, corn, and soybeans are transshipped through the Netherlands, West Germany, and Belgium, exports of those countries are overstated. Exports to final destinations including the United Kingdom, France, Spain, East Germany, and other countries are understated. Except for Canada, export shipments valued \$251-\$999 (\$100-\$499 prior to October 1969) are included on the basis of sampling estimates; shipments to Canada valued \$251-\$1,999 (\$100-\$1,999 prior to October 1969) are sampled. Prior to January 1, 1973, shipments of grains and oilseeds to Canada were greatly overstated because of transshipments. After January 1, 1973, shipments to Canada of wheat, rye, barley, oats, corn, soybeans, and flaxseed from certain U.S. ports to certain Canadian ports were designated as exports to "unidentified countries."

Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. The import value, defined generally as the market value in the foreign country, excludes import duties, ocean freight, and marine insurance. The country of origin is defined as the country where the commodities were grown or processed. Where the country of origin is not known, the imports are credited to the country of shipment. Low-valued shipments under \$251 are reflected in nonagricultural and overall import totals.

**Table 687.—Foreign trade: Value of total agricultural exports and imports, United States, fiscal years 1974-88**

Year ending Sept. 30 <sup>1</sup>	Agricultural exports <sup>2</sup>			Total imports for consump- tion	Agricultural imports (for consumption) <sup>3</sup>					Excess of domestic agricultural exports over competi- tive imports
	Total domestic exports	Domestic	Percent- age (domestic) of total exports		Total	Competi- tive	Noncom- petitive	Competitive		
								Percent- age of total agricul- tural exports	Percent- age of total agricul- tural imports	
	Million dollars	Million dollars	Percent	Million dollars	Million dollars	Million dollars	Million dollars	Percent	Percent	Million dollars
1974.....	84,924	21,293	25	82,503	9,549	6,272	3,277	29	66	15,021
1975.....	102,858	21,578	21	101,060	9,579	6,821	2,758	32	71	14,757
1976.....	109,389	22,147	20	105,883	10,107	6,289	3,818	28	62	15,858
(*).....	(27,313)	(5,356)	(20)	(31,686)	(2,804)	(1,597)	(1,207)	(30)	(43)	(3,759)
1977.....	119,118	23,974	20	142,418	13,357	6,548	6,809	27	49	17,426
1978.....	131,559	27,289	21	165,981	13,886	7,314	6,572	27	53	19,975
1979.....	167,818	31,979	19	193,610	16,186	9,075	7,110	28	56	22,904
1980.....	210,327	40,481	19	240,866	17,276	9,924	7,351	25	57	30,557
1981.....	229,203	43,780	19	254,687	17,218	11,302	5,916	26	66	32,478
1982.....	215,405	39,097	18	248,834	15,485	10,198	5,287	26	66	28,899
1983.....	194,142	34,769	18	246,900	16,373	10,909	5,465	31	67	23,860
1984.....	208,041	38,027	18	316,652	18,916	12,240	6,676	32	65	25,787
1985.....	210,437	31,201	15	333,462	19,740	12,959	6,781	42	66	18,242
1986.....	205,603	26,312	13	363,730	20,884	13,074	7,810	50	63	13,238
1987.....	230,787	27,876	12	388,024	20,650	13,864	6,786	50	67	14,012
1988 <sup>5</sup> .....	293,972	35,334	12	430,152	21,011	14,538	6,473	51	69	20,796

<sup>1</sup> Fiscal years July 1-June 30 for 1974-76; Oct. 1-Sept. 30 for 1977-1988.

<sup>2</sup> Includes food exported for relief or charity by individuals and private agencies.

<sup>3</sup> Competitive agricultural imports consist of all imports similar to agricultural commodities produced commercially in the United States, together with all other agricultural imports interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural imports include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, and vegetable fibers.

<sup>4</sup> Transition quarter July 1, 1976 to September 30, 1976.

<sup>5</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 688.—Agricultural exports: Quantity Indexes, United States, fiscal years 1977-88**

[Calendar year 1977 = 100]

Year ending Sept. 30 <sup>1</sup>	Total agricul- tural ex- ports <sup>2</sup>	Animals and animal products	Meat and meat products <sup>3</sup>	Animal fats <sup>3</sup>	Dairy prod- ucts <sup>3</sup>	Poultry and poultry products <sup>3</sup>	Cotton and linters	Tobacco un- manu- factured	Grains and feeds	Vegeta- ble oils and oil- seeds	Fruits and vegeta- bles
1977.....	99	102	103	100	98	102	98	102	102	94	106
1978.....	117	100	100	94	143	104	130	96	119	124	107
1979.....	120	98	96	93	121	112	132	100	123	127	108
1980.....	143	106	101	111	156	168	193	99	146	150	133
1981.....	135	113	107	110	185	201	119	88	153	125	159
1982.....	140	117	107	108	292	161	147	89	142	149	158
1983.....	129	115	101	103	380	127	114	86	127	146	133
1984.....	124	121	103	99	498	112	142	80	134	116	124
1985.....	112	122	105	87	513	117	124	90	115	102	112
1986.....	103	130	111	96	566	133	49	79	92	120	111
1987.....	119	138	134	87	515	188	126	79	110	126	127
1988 <sup>4</sup> .....	132	144	155	97	404	198	135	80	110	129	147

<sup>1</sup> Fiscal years, Oct. 1-Sept. 30.

<sup>2</sup> Based on 92 percent of total value of U.S. agricultural exports in 1977.

<sup>3</sup> Included in "Animals and animal products."

<sup>4</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.



Table 689.—Agricultural imports: Quantity indexes, United States, fiscal years 1977-88

[Calendar year 1977=100]

Year ending Sept. 30 <sup>1</sup>	Total agricultural imports <sup>2</sup>	Non-competitive imports <sup>3</sup>	Competitive imports <sup>3</sup>	Animals and animal products	Dairy products <sup>4</sup>	Hides and skins <sup>4</sup>	Meat and meat products <sup>4</sup>	Wool excluding free in bond <sup>4</sup>	Grains and feeds	Vegetable oils and oil-seeds	Sugar cane or beet	Tobacco unmanufactured
1977.....	104	107	100	99	103	91	99	112	95	113	87	98
1978.....	101	102	100	108	105	93	110	79	94	84	83	105
1979.....	115	122	105	118	116	92	127	80	114	85	80	115
1980.....	107	112	100	108	110	75	115	91	119	73	75	118
1981.....	107	109	104	111	119	118	115	152	110	115	71	112
1982.....	105	108	100	110	130	60	114	147	131	87	66	92
1983.....	111	113	108	119	139	123	119	130	136	91	49	167
1984.....	116	120	111	118	146	143	115	207	157	99	54	132
1985.....	122	125	118	133	142	150	142	145	200	108	45	133
1986.....	126	129	122	143	141	175	144	191	238	133	36	145
1987.....	126	128	122	154	133	105	162	218	245	129	28	157
1988 <sup>5</sup> .....	120	121	118	151	125	71	162	218	255	148	20	151

<sup>1</sup> Fiscal years Oct. 1-Sept. 30 for 1977-88. <sup>2</sup> Based on 86 percent of total value of U.S. agricultural imports in 1977. <sup>3</sup> Competitive agricultural imports consist of all imports similar to agricultural commodities produced commercially in the United States, together with all other agricultural imports interchangeable to any significant extent with such U.S. commodities. Non-competitive agricultural imports include all others, about 90 percent of which consist of rubber, coffee, tea, cacao beans, raw silk, wool for carpets, bananas, spices, and vegetable fibers. <sup>4</sup> Included in "Animals and animal products." <sup>5</sup> Preliminary.

<sup>1</sup> Enclosed in Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 690.—U.S. agricultural exports: Value of exports under specified Government-financed programs, exports excluding specified Government-financed programs, and total exports, year ending Sept. 30, 1988<sup>1</sup>

Commodity	Public Law 480				Foreign Donations sec. 416 <sup>4</sup>	Foreign Assistance Act of 1961, as amended (AID)	Total agricultural exports		
	Title I sales		Title II donations				Under specified Government programs	Outside specified Government programs <sup>5</sup>	All
	Local Currency <sup>2</sup>	Long-term credit sales <sup>3</sup>	Government to government and World Food Program	Voluntary agencies					
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	
Butter.....			(?)				(?)	6.8	6.8
Cheese.....			.1		0.6		.7	45.4	46.1
Milk, nonfat dry.....			3.2	8.2	4.7		16.1	211.6	227.7
Anhydrous milk fat.....					8.7		8.7	-4.8	3.9
Wheat flour.....	13.4	333.9	46.2	39.3	154.6	32.1	619.5	3,847.4	4,466.9
Bulgur wheat.....		69.5	8.5	16.4	2.2		96.6	74.7	171.3
Rice.....		48.0	13.5	35.4	.1		49.0	-22.5	26.5
Corn.....	2.2	24.6	43.2	3.9	8.1	.1	103.3	628.1	731.4
Grain sorghum.....			9.4	1.9	77.6	2.4	118.1	4,219.9	4,338.0
Oats, rolled.....			6.2	.3	19.9		26.4	539.5	565.9
Cornmeal.....			1.0	1.2			2.2	-4	1.8
Corn-soya-milk.....			4.8	5.0			9.8	9.1	18.9
Soya-sorghum-grits.....			17.3	39.8			57.1	-4.5	52.6
Oil, soybean.....	15.0	145.6	2.4	.9			3.3	148.5	151.8
Soybeans.....	2.8		60.1	66.7		1.0	288.5	148.3	436.8
Oilcake and meal, soybean.....		13.5			2.5	.1	5.4	5,002.6	5,008.0
Soy flour (defatted).....				.6		7.5	21.0	1,449.8	1,470.8
Seeds.....							.6	3.8	4.4
Tallow, inedible.....		14.8				29.9	29.9	384.6	414.5
Poultry feed, prepared.....						9.4	24.2	432.5	456.7
Feeds and fodders.....						.3	.3	120.8	121.1
Beans, dried.....			17.9	2.5		1.1	1.1	1,717.8	1,718.9
Peas, dried.....			.9	.2			20.4	134.0	154.4
Lentils, dried.....			4	3.5			1.1	39.8	40.9
Cotton, excl. linters.....		10.0					3.9	10.6	14.5
Other.....			.8	1.6		2.3	10.0	2,125.7	2,135.7
Total <sup>6</sup> .....	33.4	659.9	235.9	227.4	279.1	86.2	1,521.9	33,812.4	35,334.3

See footnotes on page 508.

Table 691.—U.S. agricultural exports: Value of exports under specified Government-financed programs, exports excluding specified Government-financed programs, and total exports, year ending Sept. 30, 1987 <sup>1</sup>

Commodity	Public Law 480				Foreign donations section 416 <sup>3</sup>	Foreign Assistance Act of 1961, as amended (AID)	Total agricultural exports		
	Title I sales		Title II donations				Under specified Government programs	Outside specified Government programs <sup>4</sup>	All
	Local Currency <sup>2</sup>	Long-term credit sales <sup>3</sup>	Government-to-government and World Food Program	Voluntary agencies					
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	
Butter.....			0.1		3.3		3.4	8.7	12.1
Cheese.....			.2		12.8		13.0	18.9	31.9
Milk, nonfat dry.....			1.9	10.5	42.0		54.4	166.4	220.8
Anhydrous milk fat.....			.1		11.5		11.6	-6.1	5.5
Milk, cream fresh or sour.....					.2		.2	6.0	6.2
Wheat.....	11.7	388.6	22.5	9.3	48.2	0.1	480.4	3,051.7	3,532.1
Wheat flour.....		77.1	8.6	10.1	1.9		97.7	109.0	206.7
Bulgur flour.....			3.1	20.8	.2		24.1	.8	24.9
Rice.....		51.6	18.3	6.3	10.3		86.5	464.0	550.5
Corn.....		24.7	2.6	.7	2.9	32.6	63.5	2,984.3	3,047.8
Grain sorghums.....			.6	.4			1.0	390.3	391.3
Oats, rolled.....			2.0	.3			2.3	-1.3	1.0
Cornmeal.....			5.3	4.5			9.8	7.1	16.9
Corn-soya-milk.....			6.9	26.4			33.3	2.8	36.1
Edible preparations.....			1.4	.5			1.9	14.7	16.6
Soya-sorghum-grits.....			.8	1.6			2.4	143.5	145.9
Oil, soybean.....	6.6	94.4	41.6	28.8		1.9	173.3	49.6	222.9
Oil, cottonseed.....		3.2					3.2	44.0	47.2
Oil, Sunflower seed.....		1.5					1.5	65.6	67.1
Soybeans.....		2.7					7.2	9.9	4,180.9
Oilcake and meal, soybean.....							7.2	7.2	1,317.5
Seeds.....							1.2	1.2	369.8
Nuts.....							.4	.4	6.7
Tallow, inedible.....		12.0					6.8	336.5	355.3
Poultry feed, prepared.....							.3	.3	56.5
Beans, dried.....			7.0	1.5			.2	8.7	206.3
Peas, dried.....			.1	.1			.2	34.5	34.7
Lentils, dried.....				1.3				1.3	15.2
Cotton, excl. linters.....		21.5					21.5	1,397.8	1,419.3
Raisins, dried.....			2.2				2.2	125.9	128.1
Others.....							1.7	11,154.7	11,156.4
Total.....	18.3	677.3	125.3	123.1	133.3	59.6	1,136.9	26,722.3	27,859.2

See footnotes below.

FOOTNOTES FOR TABLE 690 AND 691

<sup>1</sup> Preliminary.

<sup>2</sup> Authorized by the Food Security Act of 1985.

<sup>3</sup> Includes long-term dollar and convertible foreign currency credit sales.

<sup>4</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984 and the Food Security Act of 1985.

<sup>5</sup> Agricultural exports outside Government programs (sales for dollars) include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of extension of credit and credit guarantees for relatively short periods.

<sup>6</sup> Negative quantity due to adjustments for prior periods.

<sup>7</sup> Less than \$50,000.

<sup>8</sup> Totals may not add due to rounding.

Economic Research Service.

**Table 692.—U.S. agricultural exports under the concessional program: Estimated market value of agricultural shipments under Title I/III of Public Law 480 for fiscal years 1987 and 1988 <sup>1</sup>**

Country	Wheat and flour	Feed grains	Rice	Cotton	Vegetable oils	Other	Total
1987 (year ending Sept. 30, 1987)							
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Bangladesh .....	37,000		10,000	10,000	10,000		67,000
Bolivia .....	20,000						20,000
Costa Rica .....	14,200	1,000					15,200
Dominican Republic .....			9,900		20,100		30,000
Ecuador .....							
Egypt .....	184,500						184,500
El Salvador .....	12,000				7,600	<sup>2</sup> 10,500	30,100
Ghana .....			2,000	6,000			8,000
Guatemala .....	14,000	1,000			3,900		18,900
Guinea .....			8,000				8,000
Guyana .....	5,000				700		5,700
Haiti .....	6,000				4,000		10,000
Honduras .....	8,500	1,500				<sup>2</sup> 2,000	12,000
Indonesia .....	30,000					<sup>3</sup> 8,000	38,000
Jamaica .....	18,700	8,400	5,600		400	<sup>3</sup> 2,700	35,800
Kenya .....	8,000						8,000
Liberia .....			10,000				10,000
Madagascar .....	2,000				6,000		8,000
Maldives .....	500						500
Morocco .....	25,000	4,000					29,000
Mozambique .....					21,000		21,000
Pakistan .....					50,000		50,000
Peru .....	13,000	7,000					20,000
Philippines .....							
Senegal .....			10,000				10,000
Sierra Leone .....	2,000		6,000				8,000
Somalia .....							
Sri Lanka .....	24,000						24,000
Sudan .....	55,000						55,000
Tunisia .....	17,500	7,500					25,000
Yemen Arab Rep. ....	8,000		7,000				15,000
Zaire .....	5,500		5,500	5,000			16,000
Zambia .....						<sup>2</sup> 400	400
<b>Total .....</b>	<b>510,400</b>	<b>30,400</b>	<b>74,000</b>	<b>21,000</b>	<b>123,700</b>	<b>23,600</b>	<b>783,100</b>
1988 (year ending Sept. 30, 1988 <sup>4</sup> )							
Bangladesh .....	25,000		15,000	10,000	10,000		60,000
Bolivia .....	20,000						20,000
Costa Rica .....							
Dominican Republic .....	5,000				15,000		20,000
Ecuador .....							
Egypt .....	153,700				26,000		179,700
El Salvador .....	12,500	2,000			9,600	<sup>2</sup> <sup>3</sup> 17,400	41,500
Ghana .....		2,000	4,000				6,000
Guatemala .....	13,900				4,100		18,000
Guinea .....							
Guyana .....	6,900						6,900
Haiti .....							
Honduras .....	12,000						12,000
Indonesia .....	15,000						15,000
Jamaica .....	16,800	12,600	2,800			<sup>3</sup> 2,800	35,000
Kenya .....	10,000						10,000
Liberia .....							
Madagascar .....							
Maldives .....							
Morocco .....	20,000				16,000		36,000
Mozambique .....							
Pakistan .....					80,000		80,000
Peru .....	10,000	3,800					13,800
Philippines .....			30,000				30,000
Senegal .....			5,000				5,000
Sierra Leone .....	1,000		3,000				4,000
Somalia .....				1,000			1,000
Sri Lanka .....	26,000						26,000
Sudan .....	29,400						29,400
Tunisia .....	20,000	5,000				<sup>3</sup> 4,900	29,900
Uganda .....						<sup>2</sup> 4,000	4,000
Yemen Arab Rep. ....	5,000		5,000				10,000
Zaire .....	11,000			2,000			13,000
Zambia .....	4,000				4,000	<sup>2</sup> 2,000	10,000
<b>Total .....</b>	<b>417,200</b>	<b>25,400</b>	<b>64,800</b>	<b>13,000</b>	<b>164,700</b>	<b>31,100</b>	<b>716,200</b>

See footnotes on page 510.

**Table 693.—U.S. agricultural exports: Value under specified Government-financed programs, commercial exports with and without assistance, and total, fiscal years 1983–88 <sup>1</sup>**

Type of export	1983	1984	1985	1986	1987 <sup>2</sup>	1988 <sup>2</sup>
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Public Law 480:						
Local currency sales.....	0	0	0	0	18	33
Long-term dollar and convertible foreign currency credit sales.....	810	775	928	589	677	660
Government-to-government and World Food Program donations.....	178	291	395	157	125	236
Donations through voluntary agencies.....	207	311	304	214	123	227
Foreign donations, section 416 <sup>3</sup> .....		129	279	137	133	279
Foreign Assistance Act of 1961, as amended (AID).....	130	104	90	131	60	86
Total agricultural exports under specified Government programs.....	1,325	1,610	1,996	1,228	1,137	1,522
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Commercial exports (sales for dollars):						
Without assistance.....	29.3	32.6	26.4	22.7	24.1	30.1
With assistance <sup>4</sup> .....	4.1	3.8	2.8	2.4	2.7	3.7
Total commercial exports.....	33.4	36.4	29.2	25.1	26.7	33.8
Total exports.....	34.8	38.0	31.2	26.3	27.9	35.3

<sup>1</sup> Fiscal years Oct. 1–Sept. 30 for 1983–88.

<sup>2</sup> Preliminary.

<sup>3</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984 and the Food Security Act of 1985.

<sup>4</sup> Export credit guarantees under GSM-5, GSM-101, GSM-102, GMS-103, and Blended credit. Economic Research Service.

FOOTNOTES FOR TABLE 692

<sup>1</sup> Estimated market values include values of sales registered under P.L. 480 agreements for convertible local currency credit local currency payment provisions. These methods of financing were included in Title I provisions of the act signed in the Food Security Act of 1985. Totals may not add due to rounding.

<sup>2</sup> Inedible tallow.

<sup>3</sup> Soybeans and meal.

<sup>4</sup> Preliminary.

FAS-Program Analysis Division Export Credits.

**Table 694.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1984–88<sup>1</sup>**

Product	1984	1985	1986	1987	1988 <sup>2</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
All commodities.....	208,041,201	210,437,100	205,602,600	230,787,000	294,347,400
Nonagricultural commodities.....	170,014,381	179,236,302	179,290,724	202,910,993	259,013,106
Agricultural commodities.....	38,026,820	31,200,798	26,311,876	27,876,007	35,334,294
Animals and animal products <sup>3</sup> .....	4,218,382	4,075,478	4,356,331	5,014,215	6,057,868
Animals, live excluding poultry.....	276,233	255,241	344,279	330,569	452,065
Cattle.....	47,973	106,445	120,992	98,861	166,965
Other.....	228,260	148,796	223,287	231,708	285,101
Dairy products.....	393,453	413,532	430,986	490,606	535,503
Butter and anhydrous milkfat.....	76,226	66,221	40,151	17,674	10,745
Cheese and curd.....	35,627	27,308	26,216	31,862	46,096
Milk, condensed, or evaporated.....	3,673	5,142	5,677	2,161	3,529
Milk, nonfat dry.....	186,558	183,997	220,962	221,011	227,742
Other.....	91,369	130,864	137,980	217,897	247,392
Fats, oils and greases.....	703,164	607,907	476,518	416,785	544,632
Lard and other rendered pig fat.....	24,443	28,507	25,480	22,462	26,738
Tallow, inedible.....	625,225	531,787	411,591	355,333	456,736
Other.....	53,496	47,613	39,447	38,991	61,159
Meats and meat preparations.....	929,414	905,628	1,012,383	1,299,643	1,796,553
Beef and veal, except offals.....	447,245	477,522	539,055	734,079	1,008,764
Pork, except offals.....	137,793	73,106	80,757	104,852	228,166
Offals, edible, variety meats.....	272,685	293,986	326,178	355,026	410,687
Other.....	71,691	61,014	66,393	105,686	148,937
Poultry and poultry products.....	412,833	392,750	455,308	594,334	647,405
Poultry, live:					
Breeding chicks.....	42,817	43,610	44,052	56,390	68,040
Baby chicks, excluding breeding.....	6,600	5,280	3,868	5,832	8,400
Other.....	4,245	3,866	4,840	10,339	6,827
Poultry meat; fresh, frozen:					
Chickens.....	218,261	209,942	239,795	361,194	365,644
Turkeys.....	18,375	16,066	14,013	15,718	24,712
Other.....	15,859	14,084	15,264	15,854	16,179
Eggs.....	50,567	56,347	75,275	79,884	109,901
Other.....	56,109	43,555	58,201	49,123	47,702
Hides and skins, including furskins.....	1,317,789	1,324,624	1,443,233	1,665,557	1,837,505
Cattle hides, whole.....	1,009,607	1,018,939	1,134,435	1,253,731	1,457,445
Furskins.....	206,021	209,210	194,837	282,141	210,458
Other.....	102,161	96,475	113,960	129,685	169,602
Other animal products.....	185,496	175,796	193,624	216,721	244,205
Hair, animal, excluding wool or fine hair.....	2,897	2,301	3,876	3,372	3,904
Sausage casings.....	18,049	14,532	17,824	22,559	29,668
Wool, unmanufactured, including fine hair.....	43,245	45,297	45,134	55,330	41,382
Other.....	121,305	113,666	126,790	135,460	169,251
Vegetable products <sup>3</sup> .....	33,808,438	27,125,320	21,955,547	22,861,792	29,276,426
Cotton, unmanufactured.....	2,405,110	1,966,828	691,863	1,429,361	2,150,111
Cotton, raw.....	2,394,592	1,945,039	677,570	1,419,322	2,135,657
Linters.....	10,518	21,789	14,293	10,039	14,454
Fruits and preparations.....	1,270,198	1,200,127	1,237,000	1,466,229	1,714,402
Canned.....	72,933	60,849	60,988	64,943	79,099
Dried.....	161,639	164,146	192,513	230,985	263,335
Fresh.....	781,452	744,650	803,408	985,965	1,065,708
Fruit juices.....	223,245	199,590	148,394	185,093	252,479
Other.....	30,929	30,892	31,698	49,237	53,281
Nuts and preparations.....	547,509	686,348	677,484	768,596	906,408
Grains and feeds.....	17,303,849	13,285,386	9,472,202	9,058,692	12,580,992
Feed grains and products.....	8,216,510	6,883,882	3,817,267	3,752,193	5,208,655
Feed grains.....	8,128,621	6,791,576	3,743,512	3,684,447	5,131,778
Barley.....	273,551	145,960	62,891	242,436	226,373
Corn.....	7,022,853	5,787,517	3,291,341	3,047,536	4,338,038
Grain sorghum.....	829,235	856,385	385,733	391,342	565,853
Oats.....	2,117	966	2,799	1,769	822
Rye.....	866	748	749	1,364	693
Other.....	87,889	92,306	78,755	67,746	76,877
Rice.....	896,908	677,108	647,507	550,536	731,384
Wheat and products.....	6,783,167	4,525,900	3,546,840	3,115,629	4,673,796
Wheat.....	6,497,140	4,263,694	3,259,669	2,877,010	4,466,905
Wheat flour.....	233,904	163,832	203,444	206,660	171,279
Other wheat products.....	52,123	98,374	93,727	31,959	35,612
Blended food products.....	61,762	68,520	56,966	38,118	55,676
Other.....	129,578	126,192	117,179	147,200	192,628
Feeds and fodders, excluding oilcake and meal.....	1,215,925	1,003,783	1,286,443	1,455,015	1,718,853
Corn byproducts.....	665,907	530,957	729,434	783,104	845,956
Alfalfa meal and cubes.....	78,338	63,290	84,392	87,546	91,410
Other.....	471,675	409,536	472,618	584,364	781,488

See footnotes at end of table.

**Table 694.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1984–88 <sup>1</sup>—Continued**

Product	1984	1985	1986	1987	1988 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Vegetable products—Continued					
Oilseeds and products.....	8,601,901	6,194,548	6,271,300	6,307,703	7,700,422
Oilseed cake and meal.....	1,216,947	852,939	1,131,873	1,346,948	1,501,803
Soybean oilseed cake and meal.....	1,181,324	833,033	1,113,189	1,324,668	1,470,759
Other.....	35,623	19,905	18,684	22,280	31,044
Oilseeds.....	6,254,214	4,323,891	4,393,905	4,422,520	5,237,715
Soybeans.....	5,734,244	3,875,897	4,173,624	4,205,275	5,007,955
Other.....	454,358	397,762	166,036	153,908	147,660
Protein substances.....	65,618	50,232	54,245	63,337	82,099
Vegetable oils and waxes.....	1,130,740	1,017,718	745,522	538,236	960,904
Soybean oil.....	632,531	558,195	291,755	222,947	436,313
Other.....	498,209	459,523	453,767	315,289	524,090
Tobacco, unmanufactured.....	1,432,724	1,587,905	1,317,510	1,203,139	1,296,028
Flue-cured.....	989,437	1,057,741	813,001	747,750	812,532
Other.....	443,287	530,164	504,509	455,389	483,497
Vegetable and preparations.....	998,539	945,832	996,572	1,175,840	1,282,364
Canned.....	106,901	94,871	100,665	107,910	138,205
Pulses.....	173,197	192,220	200,075	267,607	209,861
Fresh.....	296,814	231,694	226,791	252,288	310,374
Hops, including extract.....	60,851	52,609	51,781	54,737	62,235
Other.....	360,674	374,438	417,440	493,299	561,689
Essential oils.....	95,585	104,877	104,924	110,784	120,017
Seeds, except oilseeds.....	325,874	352,273	366,512	371,111	414,532
Other vegetable products.....	827,149	801,197	820,000	970,337	1,111,150

<sup>1</sup> Fiscal years, Oct. 1–Sept. 30.

<sup>2</sup> Preliminary.

<sup>3</sup> Totals may not add due to rounding.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 695.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1984–88 <sup>1</sup>**

Product	1984	1985	1986	1987	1988 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
All commodities.....	316,652,347	333,602,900	363,729,900	388,024,300	430,152,000
Nonagricultural commodities.....	297,736,581	313,863,288	342,845,491	367,374,322	409,141,276
Agricultural commodities.....	18,915,766	19,739,612	20,884,409	20,649,978	21,010,724
Competitive <sup>3</sup> .....	12,239,505	12,959,006	13,074,418	13,863,842	14,537,661
Animals and animal products.....	3,918,803	4,152,796	4,281,800	5,049,786	5,233,311
Animals, live, excluding poultry.....	595,879	568,589	636,995	609,666	729,340
Cattle, dutiable.....	286,966	238,777	386,021	457,199	594,589
Meats and meat products.....	1,931,290	2,213,862	2,248,493	2,797,057	2,788,488
Meats, P.L. 88-482.....	962,699	1,097,233	1,084,974	1,365,030	1,482,826
Meats, fresh, frozen.....	1,273,055	1,529,989	1,573,560	2,003,763	2,048,885
Beef and veal.....	961,080	1,096,090	1,082,304	1,361,139	1,476,510
Pork.....	292,120	388,918	425,380	596,029	515,619
Mutton, goat, and lamb.....	12,791	22,392	36,307	30,893	37,736
Meats, prepared, preserved.....	632,612	675,194	663,806	743,888	691,306
Beef and veal.....	204,314	198,720	169,988	213,612	204,050
Pork.....	411,030	457,602	474,144	529,363	485,344
Mutton, goat, and lamb.....	506	645	506	913	1,912
Poultry and products.....	121,712	92,582	101,082	112,232	97,369
Dairy products.....	757,363	763,435	786,706	848,778	880,794
Nonfat dry milk.....	793	1,112	798	954	1,235
Cheese.....	388,665	364,097	386,272	396,775	375,436
Casein and mixtures.....	189,256	212,777	197,322	230,214	296,013
Fats, oils and greases.....	13,074	17,760	16,362	17,876	19,303
Hides and skins.....	216,411	239,846	198,411	303,903	247,085
Sheep and lamb skins.....	28,247	30,438	27,277	36,470	41,790
Furskins.....	149,732	165,985	132,051	231,080	148,034
Wool, unmanufactured excluding free.....	146,391	109,911	123,315	152,668	244,752
Sausage casings.....	48,458	49,545	50,820	58,891	66,323
Other animal products.....	88,224	97,266	119,116	148,715	159,857
Vegetable products.....	8,320,702	8,806,210	8,792,618	8,814,056	9,304,350
Grains and feeds.....	533,693	603,747	670,067	727,466	867,842
Wheat, excluding seed, edible.....	13,013	29,507	25,142	35,298	51,811
Barley.....	16,436	16,893	17,765	13,154	21,135
Biscuits, wafers.....	156,123	192,777	244,871	271,340	273,796
Feeds and fodders.....	135,231	111,856	115,293	118,287	159,619

See footnotes on page 515.

Table 695.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1984–88 <sup>1</sup>—Continued

Product	1984	1985	1986	1987	1988 <sup>2</sup>
Competitive <sup>3</sup> —Continued	1,000	1,000	1,000	1,000	1,000
Vegetable products—Continued	dollars	dollars	dollars	dollars	dollars
Fruits and preparations.....	1,320,111	1,791,435	1,550,209	1,709,533	1,780,739
Fresh or frozen.....	357,405	450,828	508,316	626,547	658,770
Strawberries.....	22,111	23,604	24,859	43,589	35,366
Prepared or preserved.....	292,205	345,113	346,933	354,957	354,209
Pineapples.....	121,797	148,834	162,552	150,085	151,850
Fruit juices.....	670,501	995,494	694,960	728,030	767,760
Nuts and preparations.....	193,977	342,421	381,809	380,293	335,698
Vegetables and preparations.....	1,314,043	1,846,346	1,558,922	1,508,766	1,593,166
Fresh or frozen.....	580,686	644,041	798,260	691,088	725,244
Tomatoes.....	174,687	168,567	323,766	175,384	164,448
Prepared or preserved.....	733,357	702,806	760,662	817,678	867,921
Olives.....	86,955	82,282	101,117	110,062	129,546
Mushrooms, canned.....	155,150	125,806	120,925	136,953	118,834
Hops and extract.....	37,280	37,622	49,498	35,219	26,832
Sugar and related products.....	1,463,703	1,280,020	1,002,217	761,933	621,346
Sugar, cane, and beet.....	1,144,338	911,942	654,243	497,381	367,755
Molasses, inedible.....	94,543	91,637	83,797	72,223	71,247
Confectionery products.....	108,105	145,187	104,413	70,989	62,495
Spices.....	23,895	27,331	28,177	27,861	31,219
Tobacco, unmanufactured.....	562,905	555,528	605,573	634,214	610,806
Tobacco, filler.....	488,075	498,999	554,528	586,699	569,972
Tobacco, scrap.....	42,631	32,790	29,102	25,176	17,731
Beverages, excluding fruit juices.....	1,546,966	1,622,200	1,848,203	1,923,156	2,008,473
Wine.....	932,141	948,344	1,018,566	953,194	976,281
Malt beverages.....	578,166	601,540	763,466	855,350	940,371
Oilseeds and products.....	799,019	784,345	641,241	579,330	838,169
Oilseeds and oilnuts.....	94,859	97,982	69,143	56,341	71,440
Flaxseed.....	32,441	32,779	12,590	8,621	15,892
Sesame seed.....	32,374	32,423	26,102	26,401	27,619
Oils and waxes—vegetables.....	683,151	669,766	557,447	493,013	724,702
Castor oil.....	47,021	31,759	18,583	26,723	24,965
Coconut oil.....	337,259	301,846	211,941	153,894	231,301
Olive oil.....	53,732	53,001	71,223	101,087	123,191
Palm oil.....	96,688	105,849	106,939	56,280	59,989
Palm kernel oil.....	79,498	103,252	70,183	58,665	103,196
Cotton, excluding linters.....	5,394	6,262	7,991	700	482
Cotton linters.....	11,992	10,606	6,016	6,357	8,362
Seeds, field and garden.....	96,542	90,863	111,539	155,551	153,005
Nursery stock.....	291,920	317,821	352,876	369,492	418,632
Other vegetable products.....	31,540	26,786	27,778	29,404	36,411
Noncompetitive <sup>3</sup> .....	6,676,260	6,780,606	7,809,991	6,786,136	6,473,063
Bananas, fresh.....	626,745	713,351	703,016	770,456	767,725
Plantains, fresh.....	24,759	24,903	24,715	25,568	32,525
Coffee, green.....	3,091,468	3,047,973	4,153,154	3,027,001	2,413,689
Coffee, roasted.....	48,738	46,938	62,794	48,920	63,741
Coffee, soluble, extracts.....	160,219	148,791	186,080	157,214	122,249
Cocoa beans.....	375,655	532,605	446,821	412,676	497,622
Cocoa butter.....	238,811	308,039	319,245	334,002	353,869
Cocoa, cake, powder, etc.....	143,687	120,740	106,381	125,848	111,198
Chocolate preparations.....	298,187	323,297	315,459	214,654	199,472
Tea, crude or prepared.....	188,941	183,589	136,240	114,119	123,275
Spices.....	205,533	242,690	345,679	404,549	355,424
Pepper, unground, black.....	44,363	71,429	149,460	144,233	109,845
Vanilla beans.....	53,530	48,943	64,211	72,265	67,947
Other.....	107,640	122,318	132,008	188,051	177,632
Rubber, crude, natural:					
Rubber-latex.....	81,901	62,948	69,584	84,493	111,188
Rubber-dry form.....	765,441	607,472	535,569	612,150	821,117
Silk, raw.....	8,598	7,376	5,885	7,409	6,615
Wool, unmanufactured, duty-free.....	47,033	35,326	37,141	48,214	47,187
Fibers, excluding cotton, jute.....	28,021	28,438	23,870	22,790	25,087
Essential oils.....	107,428	102,513	112,086	115,256	141,525
Drugs, crude natural.....	196,592	203,889	182,524	204,035	222,526
Other.....	38,503	39,728	43,748	53,782	57,029

See footnotes on page 515.

**Table 696.—Agricultural exports: Value of U.S. exports to the European Community, by commodity, fiscal years 1986/87 and 1987/88 <sup>1</sup>**

Commodity	Value		Commodity	Value	
	1986/87	1987/88 <sup>2</sup>		1986/87	1987/88 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total agricultural exports .....	6,787,495	7,513,201	Variety meats, edible offals.....	115,694	106,955
Variable-levy commodities.....	454,453	616,893	Feathers and downs, crude.....	8,779	1,727
Beef and veal.....	27,326	34,772	Tallow—inedible.....	47,237	54,757
Pork.....	3,665	2,226	Other animal fats and oils.....	7,905	7,696
Other meats—fresh or prepared.....	1,154	963	Hides and skins, incl. furs.....	223,306	171,104
Poultry—live.....	8,150	8,994	Cattle hides, whole.....	74,037	37,731
Baby chicks.....	8,079	8,934	Furskins.....	104,807	73,624
Poultry meats.....	10,367	18,922	Wool and mohair.....	45,665	29,923
Chickens—fresh or frozen.....	5,881	10,397	Sausage casings.....	6,431	6,781
Turkeys—fresh or frozen.....	1,576	4,937	Bull semen.....	14,940	19,547
Other poultry—fresh or frozen.....	2,703	2,950	Misc. animal products—other.....	35,839	51,759
Poultry meats—prepared or preserved.....	207	638	Corn by-products.....	732,394	765,316
Eggs.....	5,484	4,222	Alfalfa meal and cubes.....	10,452	1,487
Dairy products.....	6,111	11,448	Beet pulp.....	34,771	48,436
Lard.....	2	334	Citrus pulp pellets.....	56,409	78,629
Wheat, unmilled.....	100,822	101,278	Other feeds and fodders.....	180,286	211,098
Wheat, flour.....	203	347	Fruits and prep, excluding juice.....	283,166	266,259
Other wheat products.....	1,075	916	Fruits, fresh.....	107,164	125,066
Rice-paddy, milled.....	78,443	84,818	Fruits, fresh, citrus.....	61,098	67,271
Feed grains and products.....	178,454	294,734	Grapefruit, fresh.....	47,672	62,072
Feed grains.....	163,846	283,782	Lemons and limes, fresh.....	2,025	1,680
Barley.....	13	4	Oranges and tangerines, fresh.....	11,020	3,150
Corn.....	160,648	266,632	Other citrus, fresh.....	382	369
Grain sorghums.....	2,831	17,107	Fruits, fresh, noncitrus.....	46,066	57,795
Oats.....	0	14	Apples, fresh.....	6,309	11,975
Rye.....	356	26	Grapes, fresh.....	8,501	8,635
Blended food products.....	173	379	Other noncitrus, fresh.....	31,255	37,186
Other grain products.....	7,499	11,491	Fruits, dried.....	102,128	115,743
Sugar.....	634	307	Raisins, dried.....	54,831	61,551
Related sugar products.....	29,478	30,375	Prunes, dried.....	40,523	47,683
Chocolate and prep.....	716	1,984	Other dried fruits.....	6,774	6,509
Nonvariable-levy commodities.....	6,333,042	6,896,308	Fruits—canned excl. juice.....	6,871	8,615
Animals live—excluding poultry.....	157,716	195,968	Fruits—froz. excl. juice.....	4,896	8,195
Horses, mules, burros—live.....	156,329	195,018	Other fruits—prep. or pres..	12,106	8,639
Horsemeat—fr. chill, froz.....	64,774	85,256			

See footnotes at end of table.



Table 696.—Agricultural exports: Value of U.S. exports to the European Community, by commodity, fiscal years 1986/87 and 1987/88 <sup>1</sup>—Continued

Commodity	Value		Commodity	Value	
	1986/87	1987/88 <sup>2</sup>		1986/87	1987/88 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
Nonvariable levy commodities—Continued			Sunflowerseeds .....	22,824	23,670
Fruit juices incl. frozen .....	24,146	43,326	Peanuts and oilstock .....	35,673	22,089
Orange juice .....	17,157	26,516	Other oilseeds .....	7,001	2,259
Other fruit juices .....	6,989	16,810	Protein substances .....	17,537	21,186
Wine .....	14,391	27,616	Vegetable oils .....	51,306	87,394
Nuts and preparations .....	391,669	507,749	Soybean oil .....	1,072	566
Almonds (shelled basis) .....	207,366	341,837	Cottonseed oil .....	2,541	915
Peanuts, shelled or preparations .....	105,709	69,596	Sunflower oil .....	276	15,290
Walnuts, shelled/unshelled .....	68,166	79,907	Other vegetable oils and waxes .....	47,416	70,623
Vegetables and preparations .....	171,143	174,852	Tobacco—unmfg. ....	481,318	588,643
Vegetables—fresh .....	8,843	12,174	Cotton, excl. linters .....	256,307	442,308
Vegetables—frozen .....	3,203	7,133	Cotton linters .....	3,551	4,182
Vegetables—canned .....	22,885	27,725	Essential oils .....	46,809	48,552
Pulses .....	89,302	70,881	Seeds—field and garden .....	137,397	151,537
Dried beans .....	74,240	58,272	Coffee .....	3,950	2,286
Dried peas .....	5,241	7,245	Cocoa .....	126	189
Dried lentils .....	9,822	5,364	Tea and mate .....	720	673
Hops, including hop extract .....	5,761	9,261	Spices .....	4,233	5,414
Other veg.—prep. or pres. ....	41,149	47,679	Flavoring sirups and extract .....	28,635	29,899
Oilseeds and products .....	2,725,376	2,682,315	Rubber—crude natural .....	6,457	6,188
Oilcake and meal .....	638,342	353,506	Fibers excl. cotton .....	60	148
Soybean meal .....	622,486	337,898	Nursery and greenhouse products .....	26,881	35,007
Other oilcake and meal .....	15,857	15,608	Beverages excl. juices .....	3,025	4,473
Oilseeds .....	2,035,727	2,241,914	Other miscellaneous vegetable products .....	33,033	37,745
Soybeans .....	1,952,692	2,172,710			

<sup>1</sup> Fiscal years Oct. 1–Sept. 30.

<sup>2</sup> Preliminary.

Economic Research Service.

FOOTNOTES FOR TABLE 695

<sup>1</sup> Fiscal years, Oct. 1–Sept. 30.

<sup>2</sup> Preliminary.

<sup>3</sup> Competitive agricultural import products consists of all products similar to agricultural commodities produced commercially in the United States, together with all other agricultural products interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural products include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, spices, and vegetable fibers.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 697.—U.S. agricultural exports: Value by country of destination, total and specified Government programs, fiscal years 1986–88<sup>1</sup>

Country	1986			1987			1988		
	Total agricultural exports	Under specified Government financed programs <sup>2</sup>	Outside specified Government financed programs <sup>3</sup>	Total agricultural exports	Under specified Government financed programs <sup>2</sup>	Outside specified Government financed programs <sup>3</sup>	Total agricultural exports	Under specified Government financed programs <sup>2</sup>	Outside specified Government financed programs <sup>3</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Japan.....	5,139.1	0	5,139.1	5,553.4	0	5,553.4	7,274.5	0	7,274.5
Korea, Rep. of.....	1,276.9	0	1,276.9	1,692.8	0	1,692.8	2,250.0	0	2,250.0
Netherlands.....	2,042.2	0	2,042.2	1,949.9	0	1,949.9	2,087.2	0	2,087.2
Canada.....	1,466.2	0	1,466.2	1,775.9	0	1,775.9	1,972.8	0	1,972.8
USSR.....	1,105.4	0	1,105.4	659.1	0	659.1	1,933.9	0	1,933.9
Mexico.....	1,113.6	37.1	1,076.5	1,214.7	26.0	1,188.7	1,725.8	30.6	1,695.2
Taiwan.....	1,108.9	0	1,108.9	1,353.7	0	1,353.7	1,576.6	0	1,576.6
Germany, Fed. Rep. of.....	1,001.3	0	1,001.3	1,266.2	0	1,266.2	1,306.1	0	1,306.1
Spain, incl. Canary Is.....	723.3	0	723.3	654.1	0	654.1	848.2	0	848.2
United Kingdom.....	628.1	0	628.1	662.4	0	662.4	818.6	0	818.6
Egypt.....	874.5	269.1	605.4	761.3	223.5	537.8	786.2	211.5	574.7
Iraq.....	335.2	0	335.2	523.5	0	523.5	735.5	0	735.5
Italy.....	683.3	0	683.3	733.2	0	733.2	713.2	0	713.2
China.....	83.2	0	83.2	234.8	0	234.8	612.6	0	612.6
Venezuela.....	493.2	0	493.2	459.4	0	459.4	596.8	0	596.8
France.....	430.7	0	430.7	494.2	0	494.2	564.9	0	564.9
Algeria.....	329.2	0	329.2	243.9	0	243.9	536.8	0	536.8
Hong Kong.....	399.8	0	399.8	435.8	0	435.8	488.2	0	488.2
Saudi Arabia.....	335.1	0	335.1	489.1	0	489.1	463.8	0	463.8
Belgium-Luxembourg.....	361.1	0	361.1	423.3	0	423.3	428.9	0	428.9
India.....	90.4	70.9	19.5	93.0	58.9	34.1	354.0	140.1	213.9
Philippines.....	269.1	23.9	245.2	259.1	30.8	228.3	344.9	78.5	266.4
Portugal.....	307.5	2.0	305.5	267.7	.1	267.6	339.8	0	339.8
Israel.....	255.2	0	255.2	243.6	0	243.6	334.2	0	334.2
Pakistan.....	285.3	102.9	182.4	98.2	55.7	42.5	275.5	145.6	129.9
Indonesia.....	172.2	6.3	165.9	152.5	32.6	119.9	238.5	19.2	219.3
Dominican Rep.....	169.8	10.7	159.1	196.5	44.7	151.8	211.6	57.2	154.4
Morocco.....	158.7	32.8	125.9	196.3	51.8	144.5	193.0	57.4	135.6
Switzerland.....	128.3	0	128.3	144.6	0	144.6	191.0	0	191.0
Colombia.....	137.2	0	137.2	114.9	0	114.9	178.1	10.5	167.6
Brazil.....	444.9	15.6	429.3	417.8	9.5	408.3	175.7	2.1	173.6
Peru.....	108.3	20.0	88.3	140.0	26.1	113.9	174.2	41.7	132.5
Poland.....	42.4	14.4	28.0	63.2	1.8	61.4	167.3	0	167.3
Thailand.....	82.0	0	82.0	107.3	0.5	106.8	164.7	2.3	162.4
Australia.....	137.4	0	137.4	120.1	0	120.1	144.8	0	144.8
Singapore.....	115.5	0	115.5	120.9	0	120.9	143.3	0	143.3
Tunisia.....	32.9	9.3	23.6	77.5	24.0	53.5	143.1	41.8	101.3
Greece.....	66.3	0	66.3	78.0	0	78.0	141.4	0	141.4
Ireland.....	87.8	0	87.8	130.8	0	130.8	140.9	0	140.9
Sweden.....	110.6	0	110.6	114.9	0	114.9	133.6	0	133.6
Jamaica.....	101.5	29.5	72.0	109.1	32.1	77.0	125.1	38.6	86.5
Denmark.....	100.9	0	100.9	110.6	0	110.6	123.9	0	123.9
Malaysia.....	83.4	0	83.4	66.4	0	66.4	122.7	0	122.7
Turkey.....	111.3	0	111.3	116.8	0	116.8	119.7	0	119.7
Bahamas.....	106.2	0	106.2	120.2	0	120.2	114.6	0	114.6
El Salvador.....	88.3	41.1	47.2	84.8	35.6	49.2	108.0	61.1	46.9
Bangladesh.....	94.1	76.5	17.6	111.1	82.9	28.2	107.2	65.9	41.3
Yugoslavia.....	134.4	0	134.4	130.7	0	130.7	103.7	0	103.7
Bulgaria.....	76.0	0	76.0	28.4	0	28.4	98.3	0	98.3
Haiti.....	70.6	21.7	48.9	100.4	21.6	78.8	94.7	6.6	88.1
Other countries.....	2,210.1	445.0	1,765.1	2,162.3	378.7	1,783.6	2,306.2	511.2	1,795.0
Total.....	26,308.9	1,228.8	25,080.1	27,859.2	1,136.9	26,722.3	35,334.3	1,521.9	33,812.4

<sup>1</sup> Fiscal years, Oct. 1–Sept. 30.<sup>2</sup> Includes Title I long-term credit sales for dollars and convertible foreign currencies and Title II donations for disaster relief and development through government-to-government, World Food Program, and voluntary relief agencies, under P.L. 83-480 (the Agricultural Trade Development and Assistance Act of 1954, as amended), and other legislation. Also includes shipments under the Foreign Assistance Act of 1961, as amended and beginning 1984, section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Act of 1984.<sup>3</sup> "Agricultural exports outside specified Government-financed programs" (sales for dollars) include in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of the extension of credit and credit guarantees for relatively short periods through the Commodity Credit Corporation.

Economic Research Service.

Table 698.—Agricultural imports for consumption: Value by country of origin, United States, fiscal years 1986–88<sup>1</sup>

Country	1986			1987			1988		
	Total	Noncom- petitive <sup>2</sup>	Competi- tive <sup>2</sup>	Total	Noncom- petitive <sup>2</sup>	Competi- tive <sup>2</sup>	Total	Noncom- petitive <sup>2</sup>	Competi- tive <sup>2</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Canada.....	1,969.6	119.4	1,850.2	2,165.8	148.6	2,017.2	2,370.5	114.1	2,256.4
Mexico.....	1,981.5	667.5	1,314.0	1,904.5	496.9	1,407.6	1,902.6	362.3	1,540.3
Brazil.....	1,864.1	970.8	893.3	1,770.2	919.9	850.4	1,899.0	974.4	924.6
Australia.....	759.5	6.0	753.5	1,017.7	5.2	1,012.5	1,151.3	6.8	1,144.5
Indonesia.....	647.4	615.0	32.4	697.2	662.8	34.4	838.5	772.0	66.5
Colombia.....	912.9	732.8	180.1	843.4	654.4	189.0	804.0	596.7	207.3
New Zealand.....	596.8	29.3	567.5	728.1	36.2	691.9	787.8	38.6	749.2
Netherlands.....	679.5	108.6	570.9	687.0	94.9	592.1	746.7	90.8	655.9
France.....	755.6	56.2	699.4	704.6	48.0	656.6	733.1	47.9	685.2
Denmark.....	596.8	34.5	562.3	678.3	35.3	643.0	573.2	38.3	534.9
Italy.....	538.7	23.5	515.2	596.4	11.2	585.2	565.7	11.3	554.4
Germany, Fed. Rep.....	630.8	159.3	471.5	626.1	171.5	454.6	530.3	121.8	408.5
Philippines.....	525.5	93.1	432.4	398.8	40.8	358.0	439.6	53.0	386.6
Ecuador.....	565.4	552.6	12.8	432.4	427.2	5.2	432.0	420.3	11.7
Malaysia.....	340.4	186.8	153.6	299.7	197.6	102.1	423.9	281.4	142.5
Spain <sup>3</sup> .....	326.9	19.6	307.3	346.4	20.7	325.7	394.8	34.5	360.3
Costa Rica.....	340.4	227.0	113.4	369.2	256.9	112.3	353.7	227.5	126.2
Argentina.....	279.2	23.6	255.6	314.3	23.5	290.8	352.5	22.8	329.7
Chile.....	223.4	2.2	221.2	283.1	.9	282.2	347.7	1.6	346.1
Thailand.....	263.4	87.8	175.6	308.0	126.1	181.9	327.6	125.0	202.6
Ivory Coast.....	403.3	397.8	5.5	295.0	291.0	4.0	317.3	313.6	3.7
Dominican Republic.....	348.8	165.4	183.4	326.9	148.0	178.9	310.0	136.9	173.1
Guatemala.....	484.9	393.4	91.5	417.7	330.6	87.1	307.1	205.0	102.1
Honduras.....	290.2	242.5	47.7	337.9	292.1	45.8	267.4	217.1	50.3
China (Mainland).....	191.4	54.0	137.5	240.0	58.1	181.9	262.4	65.5	196.9
India.....	359.8	198.7	161.1	311.6	132.7	178.9	249.8	115.5	134.3
Japan.....	199.5	22.3	177.2	224.1	27.8	196.3	238.7	33.3	205.4
Turkey.....	214.4	9.8	204.6	244.3	15.4	228.9	230.2	22.1	208.1
United Kingdom.....	204.8	50.8	154.0	194.7	34.7	160.0	187.1	35.9	151.2
El Salvador.....	338.7	321.2	17.5	160.1	140.1	19.9	167.3	142.9	24.4
China (Taiwan).....	193.5	8.6	184.9	206.3	9.9	196.4	164.1	8.8	155.3
Ireland.....	144.5	15.4	129.1	117.7	12.4	105.3	152.1	14.8	137.3
Poland.....	120.9	1.0	119.9	145.8	.9	144.9	142.8	.7	142.1
Peru.....	169.5	139.5	30.0	137.3	108.1	29.2	100.9	79.8	21.1
Switzerland.....	110.4	35.0	75.4	101.0	21.4	79.6	94.6	25.0	69.6
S. Korea.....	78.5	4.4	74.1	74.4	5.2	69.2	92.1	4.9	87.2
Greece.....	86.1	3.5	82.5	91.2	4.3	86.9	91.4	2.9	88.5
Belgium/Luxembourg.....	96.9	25.1	71.8	107.8	26.6	81.1	84.6	26.8	57.8
Panama.....	137.0	111.1	25.9	116.4	94.6	21.8	82.1	72.2	9.9
Hong Kong.....	77.6	9.8	67.8	79.2	9.6	69.6	78.0	6.8	71.2
Sweden.....	87.5	8.2	79.3	73.0	7.1	65.9	77.6	7.3	70.3
Singapore.....	83.6	59.4	24.2	67.6	52.1	15.5	72.1	54.2	17.9
Liberia.....	55.0	55.0	.0	57.5	57.4	.1	70.4	70.1	.3
Yugoslavia.....	61.8	3.3	58.5	72.1	4.0	68.1	67.8	4.8	63.0
Finland.....	91.0	10.3	80.7	102.1	9.5	92.6	63.6	5.3	58.3
Uganda.....	144.9	144.8	.1	77.0	76.7	.3	63.6	63.6	.0
Portugal.....	53.5	.4	53.1	58.3	.5	57.8	62.3	.3	62.0
Hungary.....	55.4	.4	55.0	70.3	.3	70.0	61.0	.3	60.7
Israel, incl. Gaza Strip.....	73.3	4.8	68.5	66.8	5.7	61.1	59.5	5.5	54.0
Ethiopia.....	67.5	61.2	6.3	71.4	59.0	12.4	53.3	40.8	12.5
Other countries.....	1,062.4	537.3	525.1	833.3	371.6	461.7	765.0	349.3	415.7
Total <sup>4</sup> .....	20,884.4	7,810.0	13,074.4	20,650.0	6,786.1	13,863.9	21,010.7	6,473.1	14,537.6

<sup>1</sup> Fiscal years Oct. 1–Sept. 30.

<sup>2</sup> Competitive agricultural import products consist of all products similar to agricultural commodities produced commercially in the United States, together with all agricultural products interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural products include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, spices, and vegetable fibers.

<sup>3</sup> Beginning January 1, 1984 includes Canary Islands.

<sup>4</sup> Totals may not add due to rounding.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 699.—European Community: Value of agricultural imports by origin, 1974-88 <sup>4</sup>**

Year <sup>2</sup>	United States	EC countries	Other countries	Total
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1974.....	5,799	21,119	21,891	48,809
1975.....	6,162	24,429	21,527	52,118
1976.....	6,689	25,885	24,454	57,028
1977.....	7,427	29,317	30,278	67,022
1978 <sup>3</sup> .....	8,309	37,809	31,896	77,294
1979.....	9,376	44,218	37,633	91,227
1980.....	10,622	48,270	38,280	97,172
1981.....	9,784	44,197	32,775	86,756
1982.....	8,878	44,679	31,275	84,832
1983.....	7,830	43,557	30,244	81,631
1984.....	6,787	42,953	32,250	81,990
1985.....	5,577	46,018	32,749	84,344
1986 <sup>4</sup> .....	7,013	64,302	35,630	106,945
1987.....	7,909	76,421	37,732	121,978
1988.....				

<sup>1</sup> Based on data from the United Nations, Organization for Economic Cooperation and Development, and the European Community.

<sup>2</sup> Data on calendar year basis.

<sup>3</sup> Includes Greece.

<sup>4</sup> Included Portugal and Spain, 1986-87.

Economic Research Service.

**Table 700.—Food Acquisition: Expenditures for food items by selected Federal Government Agencies, <sup>1</sup> fiscal years 1987-88**

Agency	Total expenditures		Agency	Total expenditures	
	1987	1988		1987	1988
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
Department of Defense:			Department of Agriculture:		
Contractual obligations.....	1,600,000	1,770,000	Commodity Credit Corporation, Dairy price support.....	955,969	1,124,612
Indefinite delivery type contracts (estimate).....	749,400	820,000	Other purchases.....	218,589	179,717
Miscellaneous total (estimate).....	100,000	100,000	Total.....	1,174,558	1,304,329
Total DOD.....	2,449,400	2,690,000	Public Law 480 (Food for Peace).....	282,565	303,779
Department of Veterans Affairs:			Agricultural Marketing Service.....	439,900	556,400
Central procurement.....	44,372	52,379	Total USDA.....	1,897,023	2,164,508
Local procurement.....	49,991	47,962	Total.....	4,440,786	4,954,849
Total VA.....	94,363	100,341			

<sup>1</sup> These comprise the major Federal expenditures for these purposes. A complete accounting is not available. Agricultural Marketing Service.

Table 701.—Fisheries: Quantity and value of domestic catch, 1974-88

[1979-88 are preliminary]

Year	Quantity <sup>1</sup>			Ex-vessel value	Average price per lb.	Year	Quantity <sup>1</sup>			Ex-vessel value	Average price per lb.
	Total	For human food	For industrial products <sup>2</sup>				Total	For human food	For industrial products <sup>2</sup>		
	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Cents</i>		<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Cents</i>
1974 .....	4,967	2,496	2,471	932	18.7	1982 .....	6,367	3,285	3,082	2,390	37.5
1975 .....	4,877	2,465	2,412	977	20.0	1983 .....	6,439	3,238	3,201	2,355	36.6
1976 .....	5,388	2,775	2,613	1,349	25.0	1984 .....	6,438	3,320	3,118	2,350	36.5
1977 .....	5,271	2,952	2,319	1,554	29.5	1985 .....	6,258	3,294	2,964	2,326	37.2
1978 .....	6,028	3,177	2,851	1,854	30.7	1986 .....	6,031	3,393	2,638	2,763	45.8
1979 .....	6,267	3,318	2,949	2,234	35.6	1987 .....	6,896	3,946	2,950	3,115	45.2
1980 .....	6,482	3,654	2,828	2,237	34.5	1988 .....	7,192	4,588	2,604	3,520	48.9
1981 .....	5,977	3,547	2,430	2,388	40.0						

<sup>1</sup> Live weight. <sup>2</sup> Meals, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 702.—Fisheries: Disposition of domestic catch, 1978-88

[1979-88 are preliminary]

Disposition	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Fresh and frozen ..	2,237	2,394	2,621	2,547	2,550	2,304	2,336	2,725	2,487	3,157	3,813
Canned .....	1,099	1,046	1,161	1,118	891	1,087	1,128	749	1,134	1,009	1,017
Cured .....	52	94	96	90	85	80	82	70	60	89	86
Reduced to meal, oil, etc. ....	2,640	2,733	2,604	2,222	2,841	2,968	2,892	2,714	2,350	2,641	2,276
Total .....	6,028	6,267	6,482	5,977	6,367	6,258	6,438	6,258	6,031	6,896	7,192

<sup>1</sup> Live weight catch. In addition to whole fish, a large portion of waste (400-500 mil. lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 703.—Fisheries—Landings and value of principal species: 1982-88 <sup>1</sup>

[Preliminary]

Species	Landings						
	1982	1983	1984	1985	1986	1987	1988
	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>
<b>Fish:</b>							
Cod, Atlantic.....	104	112	97	83	61	59	76
Flounder.....	228	254	220	196	169	200	229
Haddock.....	45	33	26	14	11	7	6
Halibut.....	33	45	48	61	78	76	82
Herring, sea.....	202	180	179	199	210	207	222
Jack mackerel.....	58	40	23	21	24	27	23
Menhaden.....	2,766	2,963	2,891	2,739	2,391	2,712	2,086
Ocean perch, Atlantic.....	19	13	12	10	6	4	14
Pollock.....	35	34	64	136	185	598	1,290
Salmon, Pacific.....	607	639	691	727	659	562	606
Tuna.....	261	279	212	83	88	100	111
Whiting.....	36	37	46	45	40	35	36
<b>Shellfish:</b>							
Clams (meats).....	108	115	133	151	145	134	132
Crabs.....	350	317	313	338	356	386	456
Lobsters, American.....	39	44	44	46	46	46	49
Oysters (meats).....	54	50	48	44	41	40	32
Scallops (meats).....	34	32	59	30	22	41	43
Shrimp.....	284	250	302	334	400	363	331

  

Species	Value						
	1982	1983	1984	1985	1986	1987	1988
	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>
<b>Fish:</b>							
Cod, Atlantic.....	37	38	36	35	36	44	43
Flounder.....	102	116	124	129	125	145	140
Haddock.....	22	19	13	14	11	9	7
Halibut.....	29	41	25	38	83	88	73
Herring, sea.....	35	44	26	50	49	52	63
Jack mackerel.....	5	3	2	2	2	2	2
Menhaden.....	108	119	117	101	94	104	106
Ocean perch, Atlantic.....	5	3	4	3	3	3	4
Pollock.....	7	6	9	12	21	64	106
Salmon, Pacific.....	392	351	392	440	494	596	911
Tuna.....	146	143	118	53	55	96	121
Whiting.....	8	7	7	8	8	12	9
<b>Shellfish:</b>							
Clams (meats).....	97	96	116	128	135	133	135
Crabs.....	282	223	187	203	270	322	384
Lobsters, American.....	91	107	114	115	121	134	145
Oysters (meats).....	76	67	81	70	78	92	78
Scallops (meats).....	96	136	128	93	107	144	144
Shrimp.....	509	504	488	473	663	578	506

<sup>1</sup> Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 704.—Fresh and frozen fishery products—Production and value: 1982-88 <sup>1</sup>

[1988 is preliminary]

Product	Production						
	1982	1983	1984	1985	1986	1987	1988
	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
Fish fillets and steaks <sup>2</sup> .....	218	231	252	246	280	356	384
Cod.....	42	51	70	57	77	78	62
Flounder.....	76	81	79	69	64	58	51
Haddock.....	14	12	9	8	8	9	8
Ocean perch, Atlantic.....	5	4	3	2	3	3	2
Rockfish.....	18	17	18	18	17	18	32
Pollock, Atlantic.....	9	11	11	15	16	18	14
Pollock, Alaska.....	n.a.	n.a.	4	11	24	75	110
Other.....	54	55	58	66	71	97	105

  

Product	Value						
	1982	1983	1984	1985	1986	1987	1988
	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
Fish fillets and steaks <sup>2</sup> .....	351	362	410	440	56	753	777
Cod.....	60	68	97	90	142	165	136
Flounder.....	147	138	159	157	169	168	156
Haddock.....	25	22	19	19	25	32	30
Ocean perch, Atlantic.....	7	6	3	3	6	6	5
Rockfish.....	19	22	23	25	24	27	46
Pollock, Atlantic.....	10	12	11	17	21	30	21
Pollock, Alaska.....	n.a.	n.a.	4	24	25	82	110
Other.....	83	94	94	106	152	243	273

<sup>1</sup> Excludes Alaska and Hawaii, except frozen products includes Alaska and Hawaii. <sup>2</sup> Fresh and frozen.<sup>3</sup> Included with other.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 705.—Canned fishery products—Production and value: 1980-88 <sup>1</sup>

[1988 is preliminary]

Product	Production								
	1980	1981	1982	1983	1984	1985	1986	1987	1988
	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
Total <sup>2</sup> .....	1,516	1,476	1,283	1,391	1,411	1,161	1,332	1,186	1,130
Tuna.....	602	627	539	591	614	545	637	654	598
Salmon.....	200	215	112	181	200	159	142	105	88
Clam products.....	77	88	99	102	114	117	116	117	128
Jack mackerel <sup>3</sup> .....	38	36	39	46	31	15	17	15	18
Sardines, Maine.....	20	31	18	13	15	20	16	13	19
Shrimp.....	16	10	6	7	7	4	5	4	4
Crabs.....	5	2	1	1	1	1	1	( <sup>5</sup> )	( <sup>5</sup> )
Squid.....	4	9	8	n.a.	n.a.	4	n.a.	n.a.	n.a.
Oysters <sup>4</sup> .....	( <sup>6</sup> )	( <sup>6</sup> )	1	1	( <sup>6</sup> )	2	3	4	3

  

Product	Value								
	1980	1981	1982	1983	1984	1985	1986	1987	1988
	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
Total <sup>2</sup> .....	1,928	1,954	1,457	1,534	1,578	1,360	1,485	1,562	1,478
Tuna.....	1,144	1,180	918	859	872	821	882	1,016	960
Salmon.....	376	380	174	308	322	228	265	262	217
Clam products.....	66	72	85	86	95	109	118	88	98
Jack mackerel <sup>3</sup> .....	12	12	15	17	13	7	6	6	9
Sardines, Maine.....	32	55	28	20	25	38	28	22	24
Shrimp.....	80	60	35	41	36	19	22	22	25
Crabs.....	19	7	6	6	5	2	2	1	2
Squid.....	1	3	3	n.a.	n.a.	1	n.a.	n.a.	n.a.
Oysters <sup>4</sup> .....	( <sup>6</sup> )	1	2	2	5	2	4	2	2

<sup>1</sup> Natural pack only. <sup>2</sup> Includes other products not shown separately. <sup>3</sup> Includes small amount of Pacific mackerel. <sup>4</sup> Includes oyster specialties. <sup>5</sup> Less than 500,000 pounds or \$500,000. n.a. not available.

U.S. Dept. of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 706.—Fisheries—Fishermen and craft, 1977, and catch, 1983–88, by area

[1983–88 are preliminary]

Area	1977 <sup>1</sup>			1983		1984	
	Fisher- men	Fishing vessels	Fishing boats <sup>2</sup>	Total catch	Value	Total catch	Value
	1,000	Number	1,000	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.
United States.....	182.1	17,545	89.2	6,439	2,355	6,438	2,350
New England States.....	31.7	929	15.4	711	435	694	434
Middle Atlantic States.....	17.3	573	11.3	128	94	153	109
Chesapeake Bay States.....	27.9	2,086	19.0	841	130	663	138
South Atlantic States.....	11.6	1,463	6.7	397	173	402	150
Gulf States.....	29.3	5,328	11.0	2,443	615	2,644	656
Pacific Coast States.....	54.0	7,643	15.4	1,739	846	1,701	795
Great Lakes States.....	1.2	217	.5	47	14	61	14
Hawaii.....	2.7	101	1.3	29	18	35	29
Other <sup>3</sup> .....	11.3	.....	9.9	103	30	85	25

  

Area	1985		1986		1987		1988	
	Total catch	Value	Total catch	Value	Total catch	Value	Total catch	Value
	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.
United States.....	6,258	2,326	6,031	2,763	6,896	3,115	7,193	3,520
New England States.....	590	419	563	449	545	512	570	494
Middle Atlantic States.....	151	101	156	114	163	128	156	129
Chesapeake Bay States.....	815	124	617	131	791	160	730	143
South Atlantic States.....	311	156	249	155	235	150	280	174
Gulf States.....	2,412	597	2,368	781	2,501	720	1,937	708
Pacific Coast States.....	1,816	863	1,923	1,065	2,493	1,360	3,457	1,808
Great Lakes States.....	54	15	48	14	42	17	40	19
Hawaii.....	17	22	11	20	16	29	21	40
Other <sup>3</sup> .....	92	29	96	34	110	39	.....	.....

<sup>1</sup> Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total.<sup>2</sup> Refers to craft having capacity of less than 5 net tons.<sup>3</sup> Mississippi River and other areas.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.



Table 707.—Fishery products—Supply: 1979-88 <sup>1</sup>

[1979-88 are preliminary]

Item	1979	1980	1981	1982	1983
	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>
Total .....	11,831	11,357	11,353	12,011	12,252
For human food .....	8,251	8,006	8,267	7,968	8,413
Finfish .....	6,324	6,139	6,316	6,090	6,358
Shellfish <sup>2</sup> .....	1,927	1,867	1,951	1,878	2,055
For industrial use .....	3,580	3,351	3,086	4,043	3,939
Domestic catch .....	6,267	6,482	5,977	6,367	6,439
Percent of total .....	53.0	57.1	52.7	53.0	52.1
For human food .....	3,318	3,654	3,547	3,285	3,238
Finfish .....	2,204	2,516	2,414	2,324	2,351
Shellfish <sup>2</sup> .....	1,114	1,138	1,133	961	887
For industrial use .....	2,949	2,828	2,430	3,082	3,201
Imports <sup>3</sup> .....	5,564	4,875	5,376	5,644	5,913
Percent of total .....	47.0	42.9	47.8	47.0	47.9
For human food .....	4,933	4,352	4,720	4,683	5,175
Finfish .....	4,120	3,623	3,902	3,766	4,007
Shellfish <sup>2</sup> .....	813	729	818	917	1,168
For industrial use <sup>4</sup> .....	631	523	656	961	738

  

Item	1984	1985	1986	1987	1988
	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>
Total .....	12,552	15,150	14,368	15,744	14,628
For human food .....	8,498	9,337	9,620	10,561	10,505
Finfish .....	6,303	6,991	7,087	7,919	7,786
Shellfish <sup>2</sup> .....	2,195	2,346	2,533	2,642	2,719
For industrial use .....	4,054	5,813	4,748	5,183	4,123
Domestic catch .....	6,438	6,258	6,031	6,896	7,192
Percent of total .....	51.3	41.3	42.0	43.8	49.2
For human food .....	3,320	3,294	3,393	3,946	4,588
Finfish .....	2,348	2,273	2,240	2,769	3,306
Shellfish <sup>2</sup> .....	972	1,021	1,153	1,177	1,282
For industrial use .....	3,118	2,964	2,638	2,950	2,604
Imports <sup>3</sup> .....	6,114	8,892	8,337	8,848	7,436
Percent of total .....	48.7	58.7	58.0	56.2	50.8
For human food .....	5,178	6,043	6,227	6,615	5,917
Finfish .....	3,955	4,718	4,847	5,150	4,480
Shellfish <sup>2</sup> .....	1,223	1,325	1,380	1,465	1,437
For industrial use <sup>4</sup> .....	936	2,849	2,110	2,233	1,519

<sup>1</sup> Live weight, except percent. <sup>2</sup> For univalve and bivalves mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell is reported. <sup>3</sup> Excluding imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. <sup>4</sup> Fish meal and sea herring.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 708.—Processed fishery products—Production and value, 1981–88

Item	Production							Preliminary 1988
	1981	1982	1983	1984	1985	1986	1987	
	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
Total <sup>1</sup> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Fresh and frozen <sup>3</sup> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Fillets.....	200	210	217	241	232	266	338	362
Steaks.....	5	7	13	11	13	14	18	22
Fish sticks.....	89	91	87	92	96	87	99	80
Fish portions.....	328	304	335	333	330	342	324	287
Breaded shrimp.....	85	94	100	95	95	108	109	80
Canned products <sup>4</sup> .....	1,476	1,283	1,391	1,411	1,161	1,332	1,186	1,130
Fish and shellfish.....	1,067	876	987	1,042	913	1,011	965	907
Animal feed.....	409	407	404	369	248	321	221	223
Industrial products.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Meal and scrap.....	637	747	764	752	722	702	787	644
Oil (body and liver).....	184	348	399	373	235	337	298	225
Solubles.....	257	305	317	252	323	195	249	223
Other.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

  

Item	Value							Preliminary 1988
	1981	1982	1983	1984	1985	1986	1987	
	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
Total <sup>1</sup> .....	4,887	4,509	5,071	5,211	4,936	5,263	5,951	5,369
Fresh and frozen <sup>3</sup> .....	2,527	2,670	3,124	3,234	3,242	3,481	4,041	3,562
Fillets.....	292	331	327	384	408	527	696	707
Steaks.....	13	20	35	27	32	37	58	70
Fish sticks.....	97	106	116	110	111	94	143	114
Fish portions.....	389	386	411	414	368	394	446	400
Breaded shrimp.....	282	338	386	369	355	358	372	245
Canned products <sup>4</sup> .....	1,954	1,457	1,534	1,577	1,360	1,485	1,562	1,478
Fish and shellfish.....	1,819	1,325	1,394	1,436	1,269	1,395	1,476	1,385
Animal feed.....	135	132	140	141	91	100	85	93
Industrial products.....	210	234	252	234	182	175	212	236
Meal and scrap.....	119	123	130	113	84	83	121	131
Oil (body and liver).....	33	54	67	61	42	44	36	44
Solubles.....	15	16	16	15	19	12	17	15
Other.....	43	41	39	45	37	36	38	47

<sup>1</sup> Includes cured fish.<sup>2</sup> Not applicable.<sup>3</sup> Includes items not shown i.e. dressed fish, shellfish not breaded, specialties.<sup>4</sup> Includes salmon eggs for baits.

National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 709.—Selected fishery products—Imports and exports: 1981-88 <sup>1</sup>**

Product	Quantity								Value							
	1981	1982	1983	1984	1985	1986	1987	1988	1981	1982	1983	1984	1985	1986	1987	1988
	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
<b>Imports</b>																
Edible .....	2,272.5	2,225.0	2,386.8	2,454.3	2,754.0	2,978.9	3,201.1	2,970.9	3,034.2	2,202.4	3,626.7	3,742.3	4,064.3	4,813.5	5,711.2	5,459.4
Fresh or frozen .....	1,988.5	1,921.3	2,051.5	2,057.1	2,229.0	2,423.7	2,661.6	2,443.3	2,640.2	2,806.2	3,211.9	3,281.3	3,461.6	4,150.0	5,021.9	4,712.8
Salmon <sup>2</sup> .....	6.5	10.4	14.4	21.1	27.0	40.5	41.9	50.1	15.9	22.1	33.4	56.5	75.6	100.7	113.0	155.2
Tuna .....	721.3	558.5	505.2	404.2	478.8	563.8	572.5	550.1	478.6	360.7	240.0	215.9	266.3	298.8	330.8	372.3
Groundfish filets, blocks <sup>3</sup> .....	601.3	614.2	682.6	624.0	639.8	651.0	630.4	500.8	708.0	631.1	655.3	790.6	1,003.5	759.4	1,003.5	759.4
Other filets and steaks.....	157.0	145.7	141.5	165.7	231.0	251.0	394.2	320.1	194.2	189.0	188.0	238.3	333.7	416.1	651.0	533.0
Scallops (meats).....	26.2	20.9	34.3	27.3	42.0	47.9	39.9	32.0	112.7	73.0	158.7	117.3	147.1	192.6	162.3	115.7
Lobster, American and spiny.....	55.8	54.4	63.8	73.4	77.4	79.3	80.9	77.5	308.7	315.6	364.0	435.7	464.9	464.9	575.9	546.7
Shrimp and prawn .....	218.4	268.5	328.3	328.9	342.8	384.3	461.2	489.7	715.0	970.0	1,198.0	1,189.9	1,120.7	1,404.9	1,676.8	1,725.9
Canned.....	161.6	224.5	257.6	316.4	414.4	438.8	428.7	428.7	207.9	308.7	330.4	372.9	465.8	500.4	515.9	586.9
Sardines, in oil .....	18.2	14.1	17.2	17.5	23.0	22.9	27.4	22.8	25.1	19.1	21.2	23.4	27.0	28.5	35.1	30.8
Sardines and herring, not in oil.....	43.2	41.3	23.7	31.5	39.8	36.0	43.3	37.1	35.8	30.5	21.5	24.8	30.3	30.4	34.2	33.4
Tuna .....	70.9	87.6	122.3	162.3	213.9	236.6	211.7	244.5	110.4	113.3	137.3	167.3	209.1	228.6	206.9	298.7
Oysters.....	20.4	22.4	21.6	23.0	28.9	32.1	32.7	27.5	24.0	26.5	24.8	26.2	30.2	32.3	36.1	39.8
Pickled or salted.....	67.9	64.3	60.9	61.1	57.1	61.4	57.4	55.8	71.0	62.5	56.1	55.5	53.4	62.2	74.6	66.9
Cod, haddock, hake, pollock, cusk.....	45.3	40.8	37.7	38.0	34.7	36.9	31.9	31.4	56.2	48.6	42.9	42.3	41.2	49.5	60.5	52.7
Nonedible scrap and metal.....	118.9	168.7	135.9	166.9	510.7	370.0	393.7	265.3	20.5	25.7	21.8	26.5	61.7	47.2	52.5	49.6
<b>Exports</b>																
Canned salmon.....	63.5	41.2	54.5	49.0	48.2	59.4	35.9	32.9	128.6	65.9	97.0	86.8	83.1	101.2	85.8	91.6
Fish oil, nonedible .....	238.3	202.3	404.1	399.4	279.1	192.2	249.1	149.3	42.6	35.7	59.8	71.0	36.8	20.8	23.3	21.9

<sup>1</sup> Includes Puerto Rico. <sup>2</sup> Excludes filets. <sup>3</sup> Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting.

U.S. Dept. of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 710.—Fishery products: Imports and exports, 1974–88 <sup>1</sup>**

Year	Imports <sup>2</sup>				Exports			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
	<i>Mil. dol.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
1974.....	1,711	2,267	1,495	215	262	178	195	67
1975.....	1,637	1,913	1,367	270	305	218	267	37
1976.....	2,328	2,228	1,914	414	385	241	330	55
1977.....	2,634	2,176	2,078	555	520	331	473	47
1978.....	3,086	2,411	2,256	830	906	448	832	74
1979.....	3,809	2,359	2,672	1,137	1,084	554	1,022	62
1980.....	3,648	2,145	2,687	962	1,006	574	904	102
1981.....	4,206	2,272	3,034	1,172	1,157	669	1,073	84
1982.....	4,523	2,225	3,202	1,321	1,059	657	999	60
1983.....	5,129	2,387	3,627	1,502	1,021	602	908	114
1984.....	5,883	2,454	3,742	2,141	949	574	842	106
1985.....	6,679	2,754	4,064	2,614	1,084	648	1,010	73
1986.....	7,626	2,979	4,813	2,813	1,356	735	1,290	66
1987.....	8,817	3,201	5,711	3,106	1,660	783	1,577	88
1988 <sup>3</sup> .....	8,872	2,971	5,459	3,413	2,275	1,064	2,162	113

<sup>1</sup> Includes Puerto Rico.<sup>2</sup> Includes landings of tuna by foreign vessels in American Samoa.<sup>3</sup> Preliminary.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 711.—Estimated number of fishing trips taken by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1985–88**

Subregion	1985	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
North Atlantic.....	8,701	8,333	6,293	7,615
Mid-Atlantic.....	17,816	20,561	16,332	19,502
South Atlantic.....	19,840	14,783	17,063	19,139
Gulf.....	24,227	17,897	16,050	19,162
Total <sup>1</sup> .....	70,584	61,574	55,738	65,418
Pacific: <sup>2</sup>				
Southern California.....	5,276	6,119	5,187	5,996
Northern California.....	2,528	2,757	2,417	3,939
Oregon.....	765	960	980	1,015
Washington.....	1,354	1,193	1,392	1,462
Total <sup>1</sup> .....	9,923	11,029	9,976	12,413
Grand total <sup>1</sup> .....	80,507	72,603	65,714	77,831

<sup>1</sup> Totals may not add due to rounding.<sup>2</sup> Pacific estimates do not include salmon fishing trips.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 712.—Estimated number of fish caught by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1985-88**

Subregion	1985	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
<b>Atlantic and Gulf:</b>				
North Atlantic.....	45,662	56,654	36,218	31,316
Mid-Atlantic.....	113,898	169,670	108,281	102,730
South Atlantic.....	79,523	59,047	49,092	56,038
Gulf.....	142,695	131,865	97,428	132,936
Total <sup>1</sup> .....	381,778	411,235	291,018	323,020
<b>Pacific:<sup>2</sup></b>				
Southern California.....	27,605	35,334	30,772	28,878
Northern California.....	10,496	11,227	9,040	13,390
Oregon.....	1,883	1,754	2,032	2,373
Washington.....	3,195	6,998	4,320	6,573
Total <sup>1</sup> .....	43,179	55,312	46,163	51,214
Grand total <sup>1</sup> .....	424,957	466,547	337,181	374,234

<sup>1</sup> Totals may not add due to rounding. <sup>2</sup> Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 713.—Estimated number of fish caught by marine recreational fishermen by mode and year, Atlantic, Gulf, and Pacific Coasts, 1985-88**

Mode	1985	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
<b>Atlantic and Gulf:</b>				
Shore.....	94,339	100,280	64,751	71,159
Party/charter.....	54,421	54,886	24,195	21,783
Private/rental.....	233,018	256,069	202,072	230,078
Total <sup>1</sup> .....	381,778	411,235	291,018	323,020
<b>Pacific:<sup>2</sup></b>				
Shore.....	10,266	14,983	10,722	13,776
Party/charter.....	14,195	16,407	8,677	11,886
Private/rental.....	18,718	23,922	26,764	25,551
Total <sup>1</sup> .....	43,179	55,312	46,163	51,214
Grand total <sup>1</sup> .....	424,957	466,547	337,181	374,234

<sup>1</sup> Totals may not add due to rounding. <sup>2</sup> Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 714.—Estimated number of fish caught by marine recreational fishermen by area of fishing and year, Atlantic, Gulf, and Pacific coasts, 1985-88**

Area	1985	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
<b>Atlantic and Gulf:</b>				
Ocean 3 miles or less .....	98,646	120,101	82,293	65,406
Ocean over 3 miles .....	47,391	50,144	37,907	37,247
Ocean 10 miles or less <sup>1</sup> .....	70,669	53,110	41,832	41,129
Ocean over 10 miles <sup>1</sup> .....	14,128	6,800	9,217	14,902
Inland .....	150,474	167,991	119,769	160,045
Undefined <sup>2</sup> .....	470	13,090	0	4,291
<b>Total <sup>3</sup> .....</b>	<b>381,778</b>	<b>411,235</b>	<b>291,018</b>	<b>323,020</b>
<b>Pacific: <sup>4</sup></b>				
Ocean 3 miles or less .....	26,100	30,967	27,290	25,121
Ocean over 3 miles .....	7,936	10,156	9,276	10,722
Inland .....	8,451	13,656	9,423	12,993
Undefined <sup>2</sup> .....	691	533	175	2,378
<b>Total <sup>3</sup> .....</b>	<b>43,179</b>	<b>55,312</b>	<b>46,163</b>	<b>51,214</b>
<b>Grand total <sup>3</sup> .....</b>	<b>424,957</b>	<b>466,547</b>	<b>337,181</b>	<b>374,234</b>

<sup>1</sup> This category refers only to the Florida Gulf coast where State jurisdiction extends to 3 marine leagues, approximately 10 nautical miles.

<sup>2</sup> This category includes "Missing data" on area and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "Distance from shore."

<sup>3</sup> Totals may not add due to rounding.

<sup>4</sup> Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 715.—Estimated number of fish caught by marine recreational fishermen by species group and year, Atlantic and Gulf coasts, 1985–88**

Species group	1985	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Sharks, other	1,774	2,322	1,783	1,922
Sharks, dogfish	2,469	2,172	1,596	1,978
Skates/rays	2,516	1,639	1,776	2,370
Eels	904	410	224	340
Herrings	13,570	11,002	8,054	12,770
Freshwater catfishes	464	1,727	1,747	994
Saltwater catfishes	23,996	18,368	12,247	21,621
Toadfishes	3,680	3,464	3,275	2,912
Atlantic cod	3,674	1,549	2,009	2,965
Pollock	2,155	446	664	1,395
Red hake	230	767	1,138	1,334
Codfishes/hakes, other	1,123	692	296	1,583
Searobins	4,361	11,858	5,071	5,854
Sculpins	597	323	53	( <sup>1</sup> )
White perch	1,177	4,125	2,316	2,303
Striped bass	698	1,429	768	1,500
Black sea bass	20,084	34,739	10,360	18,703
Groupers	3,339	2,383	2,687	2,892
Sea basses, other	4,376	1,300	2,638	3,685
Bluefish	28,010	32,667	28,683	17,024
Crevalle jack	1,197	3,328	1,107	1,401
Blue runner	1,943	3,358	1,813	2,306
Greater amberjack	395	442	500	321
Florida pompano	880	2,099	301	318
Jacks, other	1,808	2,710	1,823	2,459
Dolphins	1,432	1,254	1,425	1,698
Gray snapper	2,740	2,090	2,014	1,825
Red snapper	3,239	855	759	1,018
Lane snapper	467	218	499	630
Vermilion snapper	1,428	359	426	808
Yellowtail snapper	938	580	1,169	765
Snappers, other	394	334	1,086	550
Pigfish	2,770	1,453	1,836	3,250
White grunt	4,530	1,690	3,521	3,067
Grunts, other	6,658	3,320	5,100	4,920
Scup	15,447	32,361	12,912	9,276
Pinfish	11,887	9,882	9,890	14,027
Sheepshead	2,828	2,722	3,023	4,626
Red porgy	1,349	269	209	677
Porgies, other	717	225	365	225
Spotted seatrout	16,728	23,592	21,595	23,519
Weakfish	3,486	12,322	6,946	8,745
Sand seatrout	9,509	6,404	4,212	2,797
Silver perch	1,924	465	630	815
Spot	25,243	21,640	15,187	12,559
Kingfishes	6,079	8,029	3,236	5,078
Atlantic croaker	23,686	39,989	21,368	20,669
Black drum	1,362	1,367	1,733	1,646
Red drum	5,404	4,123	6,214	5,985
Drums, other	2,872	1,554	2,564	2,613
Mulletts	11,783	6,341	2,754	5,941
Barracudas	396	477	501	420
Tautog	4,148	9,186	4,895	5,137
Cunner	3,185	2,703	2,643	2,328
Little tunny/Atl. bonito	844	1,795	970	2,366
Atlantic mackerel	8,300	5,879	7,730	6,801
King mackerel	1,183	753	808	922
Spanish mackerel	2,163	8,987	2,588	4,259
Tunas/mackerels, other	1,013	927	864	931
Summer flounder	18,202	24,183	21,850	20,837
Gulf flounder	512	502	553	394
Southern flounder	2,558	3,021	755	1,458
Winter flounder	31,059	10,428	13,039	14,248
Flounders, other	3,591	2,422	832	1,453
Triggerfishes/filefishes	648	452	609	982
Puffers	1,009	1,000	563	1,875
Other fishes	12,346	15,263	8,211	9,915
Total <sup>2</sup>	381,778	411,235	291,018	323,020

<sup>1</sup> Less than 30 thousand reported. Data have been included in totals.

<sup>2</sup> Totals may not add due to rounding.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 716.—Estimated number of fish caught by marine recreational fishermen by species group and year, Pacific coast,<sup>1</sup> 1985–88

Species group	1985	1986	1987	1988
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Spiny dogfish .....	565	577	978	1,385
Sharks, other .....	340	903	1,395	1,217
Sturgeons.....	36	92	169	373
Pacific herring.....	239	482	351	442
Northern anchovy.....	45	40	( <sup>2</sup> )	139
Surf smelt.....	1,997	5,345	1,390	1,616
Smelts, other.....	( <sup>2</sup> )	578	53	53
Pacific cod.....	75	136	238	175
Pacific tomcod.....	58	68	201	148
Walleye pollock.....	472	158	564	357
Pacific hake.....	134	104	37	310
Silversides.....	319	239	252	277
Jacksmelt.....	456	356	705	935
Striped bass.....	72	75	174	228
Kelp bass.....	2,556	4,502	2,317	2,163
Spotted sand bass.....	335	604	444	544
Barred sand bass.....	1,719	2,270	2,592	4,222
Sea basses, other.....	964	1,141	1,522	83
Yellowtail.....	46	( <sup>2</sup> )	54	( <sup>2</sup> )
White croaker.....	2,368	2,855	1,849	3,319
California corbina.....	49	60	75	( <sup>2</sup> )
Queenfish.....	471	551	420	679
Croakers, other.....	232	312	286	230
Opaleye.....	108	113	233	209
Halfmoon.....	54	291	109	304
Shiner perch.....	223	388	260	580
Striped seaperch.....	184	200	257	323
Black perch.....	91	67	54	87
Walleye surfperch.....	205	261	272	438
Silver surfperch.....	270	150	92	92
White seaperch.....	78	94	159	211
Pile perch.....	137	432	141	197
Redtail surfperch.....	433	224	134	207
Barred surfperch.....	468	716	229	269
Surfperches, other.....	478	771	412	510
Pacific barracuda.....	1,796	1,160	1,379	852
California sheephead.....	129	204	99	130
Pacific bonito.....	609	3,970	3,098	920
Chub mackerel.....	6,605	7,165	8,161	5,495
Tunas.....	131	67	( <sup>2</sup> )	( <sup>2</sup> )
Brown rockfish.....	421	392	318	562
Copper rockfish.....	405	337	286	581
Widow rockfish.....	143	165	55	112
Yellowtail rockfish.....	850	534	387	482
Chillipepper rockfish.....	481	552	174	768
Quillback rockfish.....	117	95	205	332
Black rockfish.....	1,572	902	961	1,086
Blue rockfish.....	1,403	945	1,222	1,208
Bocaccio.....	804	868	282	1,499
Canary rockfish.....	370	426	321	380
Greenspotted rockfish.....	449	327	55	106
Olive rockfish.....	358	263	216	194
Gopher rockfish.....	484	517	385	251
California scorpionfish.....	227	307	296	722
Rockfishes, other.....	3,414	3,566	2,933	3,968
Sablefish.....	43	52	( <sup>2</sup> )	55
Kelp greenling.....	226	281	378	323
Lingcod.....	426	536	570	648
Greenlings, other.....	70	117	79	85
Cabezon.....	133	231	187	173
Sculpins, other.....	1,706	1,964	1,213	1,742
Sanddabs.....	723	605	248	812
California halibut.....	916	1,349	1,579	1,653
Rock sole.....	66	62	75	244
Starry flounder.....	43	59	115	79
Flatfishes, other.....	254	251	449	402
Other fishes.....	1,514	1,880	1,976	2,968
Total <sup>3</sup> .....	43,179	55,312	46,163	51,214

<sup>1</sup> Does not include salmon data collected by State surveys. <sup>2</sup> Less than 30 thousand reported. Data have been included in totals. <sup>3</sup> Total may not add due to rounding.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.



**Table 717.—Refrigerated warehouses: Total gross space Oct. 1, by type of plant, United States, biennially, 1955-87<sup>1</sup>**

Year	Public cold storage only	Private and semiprivate cold storage	Meat-packing establishments	Total all types <sup>2</sup>
	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>
1955.....	498,599	245,850	68,568	813,017
1957.....	545,061	294,174	62,162	901,397
1959.....	569,199	325,313	50,872	945,384
1961.....	595,463	379,355	51,985	1,026,803
1963.....	633,447	428,250	50,372	1,112,069
1965.....	683,972	473,515	45,908	1,203,390
1967.....	734,804	517,468	41,833	1,294,105
1969.....	762,203	554,611	35,932	1,352,746
1971.....	774,265	624,442	28,272	1,426,979
1973.....	828,691	686,477	( <sup>3</sup> )	1,515,168
1975.....	875,292	754,772	.....	1,630,064
1977.....	893,589	784,943	.....	1,678,532
1979.....	940,005	912,460	.....	1,852,464
1981.....	983,093	941,881	.....	1,924,973
1983.....	1,047,171	1,019,459	.....	2,066,630
1985.....	1,129,777	1,055,900	.....	2,185,677
1987.....	1,305,610	1,170,773	.....	2,476,384

<sup>1</sup> Warehouse space is defined as all space artificially cooled to temperatures of 50° F. or less, in which food commodities are held for 30 days or longer.

<sup>2</sup> Totals may not add due to rounding.

<sup>3</sup> Included in "Private and semiprivate cold storage," beginning 1973.

National Agricultural Statistics Service.

**Table 718.—Refrigerated warehouses: Total gross space, by States, Oct. 1, 1987<sup>1</sup>**

State	Gross space	State	Gross space	State	Gross space	State	Gross space
	<i>1,000 cu. ft.</i>		<i>1,000 cu. ft.</i>		<i>1,000 cu. ft.</i>		<i>1,000 cu. ft.</i>
AL.....	10,029	IN.....	27,678	NE.....	31,474	SC.....	12,853
AK.....	923	IA.....	47,501	NV.....	1,460	SD.....	4,380
AZ.....	7,307	KS.....	57,438	NH.....	.....	TN.....	29,395
AR.....	16,988	KY.....	.....	NJ.....	68,440	TX.....	102,213
CA.....	341,838	LA.....	6,554	NM.....	1,329	UT.....	23,663
CO.....	11,456	ME.....	24,826	NY.....	105,193	VT.....	2,835
CT.....	6,961	MD and DC.....	17,832	NC.....	19,473	VA.....	53,323
DE.....	14,723	MA.....	54,952	ND.....	4,038	WA.....	404,486
FL.....	171,635	MI.....	91,624	OH.....	38,797	WV.....	9,864
GA.....	72,887	MN.....	44,196	OK.....	7,823	WI.....	98,850
HI.....	4,605	MS.....	2,547	OR.....	128,369	Other States.....	16,619
ID.....	46,298	MO.....	71,381	PA.....	90,381		
IL.....	68,338	MT.....	609	RI.....	.....	US.....	2,476,384

<sup>1</sup> Only those States having 3 or more warehouses are listed separately.

<sup>2</sup> Totals may not add due to rounding.

National Agricultural Statistics Service.

Table 719.—Alaska crops: Acreage harvested, 1974–88

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1974	400	1,100	3,200	9,400	1,100	1,700	570	155
1975	400	1,500	3,600	10,800	1,000	1,800	530	165
1976	300	1,300	3,300	10,400	1,000	1,500	510	175
1977	400	2,600	2,100	10,200	1,000	1,400	520	162
1978	600	4,000	2,300	9,900	900	1,500	450	198
1979	300	5,800	1,000	9,800	700	1,700	460	220
1980	600	11,500	2,400	10,400	1,900	1,700	460	227
1981	500	8,500	3,200	11,200	1,400	1,600	500	273
1982	600	7,500	2,200	10,900	700	1,100	480	306
1983	600	11,900	2,800	12,900	1,000	1,000	520	287
1984	1,700	15,000	3,000	12,600	4,600	1,200	550	301
1985	200	10,700	1,500	12,200	6,300	1,000	580	303
1986	300	7,000	1,600	12,800	5,200	1,900	550	278
1987	300	5,300	1,800	14,700	3,800	2,000	750	297
1988 <sup>2</sup>	600	4,700	700	15,200	1,900	1,500	800	283

<sup>1</sup> Excludes greenhouse-grown vegetables. <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

Table 720.—Alaska crops: Volume harvested, 1974–88

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables <sup>1</sup>
	<i>Bushels</i>	<i>Bushels</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Cwt.</i>	<i>Cwt.</i>
1974	10,000	38,000	4,000	11,800	5,900	6,600	90,500	16,000
1975	16,800	70,000	7,100	14,300	4,800	10,400	108,700	16,300
1976	12,000	67,000	6,100	12,500	4,500	6,700	91,000	18,800
1977	19,600	126,000	3,500	17,100	3,900	7,700	115,000	19,300
1978	28,800	150,000	4,700	15,700	5,300	6,800	81,000	19,900
1979	15,600	287,000	1,600	14,200	4,200	8,200	85,000	22,700
1980	26,100	339,000	2,700	12,300	4,700	7,700	77,000	23,200
1981	21,700	251,000	5,500	14,700	6,100	6,700	95,000	23,480
1982	31,200	315,000	2,500	11,800	4,700	5,300	102,000	29,857
1983	37,500	369,000	4,600	17,100	5,800	8,000	118,000	30,467
1984	112,200	525,000	4,400	19,000	14,700	6,600	120,000	31,923
1985	7,000	278,000	1,700	15,600	25,200	5,000	124,000	31,337
1986	13,200	207,000	1,800	15,200	18,500	7,600	124,000	31,436
1987	41,000	220,000	2,200	18,100	18,100	11,400	148,000	30,891
1988 <sup>2</sup>	36,600	228,000	1,400	23,300	6,100	6,700	204,000	29,787

<sup>1</sup> Excludes greenhouse-grown vegetables. <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

Table 721.—Alaska crops: Value of production, 1974–88

Year	Oats for grain	Barley for grain	All hay	All silage	Potatoes	Other vegetables <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1974.....	27,000	158,000	2,054,000	500,000	1,122,000	381,000
1975.....	44,000	287,000	2,782,000	532,000	1,304,000	390,000
1976.....	30,000	261,000	2,325,000	391,000	1,092,000	447,000
1977.....	51,000	479,000	2,781,000	433,000	1,323,000	439,000
1978.....	79,000	570,000	2,652,000	457,000	932,000	539,000
1979.....	41,000	861,000	2,054,000	477,000	1,046,000	571,000
1980.....	81,000	1,017,000	2,100,000	484,000	1,563,000	616,000
1981.....	65,000	1,029,000	3,232,000	499,000	1,995,000	678,000
1982.....	156,000	1,134,000	2,717,000	428,000	1,632,000	779,000
1983.....	113,000	1,213,000	3,906,000	620,000	2,053,000	834,000
1984.....	264,000	1,601,000	3,744,000	942,000	2,256,000	812,000
1985.....	16,500	806,000	2,682,000	1,273,000	1,959,000	766,000
1986.....	31,000	513,000	2,890,000	1,104,000	1,910,000	819,000
1987.....	96,000	616,000	3,147,000	1,260,000	2,309,000	806,000
1988 <sup>2</sup> .....	90,000	775,000	3,458,000	576,000	3,305,000	817,000

<sup>1</sup> Excludes greenhouse-grown vegetables.    <sup>2</sup> Preliminary.  
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