
UNITED STATES
DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL STATISTICS SERVICE

**AGRICULTURAL
STATISTICS
2018**

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Agricultural Statistics 2018

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The USDA and NASS invite you to explore their information via their respective web sites: <http://www.usda.gov/> and <http://www.nass.usda.gov/>.

For information on NASS products you may call the **Agricultural Statistics Hotline, 1-800-727-9540** or send e-mail to nass@nass.usda.gov.

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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. The historical series in this volume are generally of data from 2008 and later.

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.

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 Attache 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 five 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 AND MEASURES

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilograms</i>			<i>Pounds</i>	<i>Kilograms</i>
Alfalfa seed	Bushel	60	27.2	Carrots			
Apples .....	.....do	48	21.8	Without tops ..	Burlap sack	74-80	33.6-36.3
Do	Loose pack	38-42	17.2-19.1	Castor beans	Bushel	41	18.6
Do	Tray pack	40-45	18.1-20.4	Castor oil	Gallon ⁷	8	3.6
Do	Cell pack	37-41	16.8-18.6	Cauliflower	W.G.A. crate	50-60	22.7-27.2
Apricots	Lug (brent-wood) ²	24	10.9	Do	Fiberboard box wrapper leaves removed film-wrapped, 2 layers		
Western	4-basket crate ³	26	11.8	Celery	Crate ⁸	23-35	10.4-15.9
Artichokes:				Cherries	Lug	60	27.2
Globe	Ctn, by count and loose pack	20-25	9.1-11.3	Do	(Campbell) ⁹	16	7.3
Jerusalem	Bushel	50	22.7	Do	Lug	20	9.1
Asparagus	Crate (NJ)	30	13.6	Clover seed	Bushel	60	27.2
Avocados	Lug ⁴	12-15	5.4-6.8	Coffee	Bag	132.3	60
Bananas	Fiber folding box ⁵	40	18.1	Corn:			
Barley	Bushel	48	21.8	Ear, husked ...	Bushel ¹⁰	70	31.8
Beans:				Shelled .....	.....do	56	25.4
Lima, dry .....	.....do	56	25.4	Meal .....	.....do	50	22.7
Other, dry .....	.....do	60	27.2	Oil	Gallon ⁷	7.7	3.5
Lima unshelled	Sack	100	45.4	Syrup .....	.....do	11.72	5.3
Snap	Bushel	28-32	12.7-14.5	Sweet	Wirebound crate	50	22.7
Beets:				Do	Ctn, packed 5 oz. ears	50	22.7
Topped	Sack	25	11.3	Do	WDB crate, 4½-5 oz. (from FL & NJ)	42	19.1
Bunched	½ crate 2 dz-bchs	36-40	16.3-18.1	Cotton	Bale ¹¹ , gross ...	500	227
Berries				Do	Bale ¹¹ , net	480	218
frozen pack:				Cottonseed	Bushel ¹²	32	14.5
Without sugar	50-gal. barrel ...	380	172	Cottonseed oil ...	Gallon ⁷	7.7	3.5
3 + 1 pack .....	.....do	425	193	Cowpeas	Bushel	60	27.2
2 + 1 pack .....	.....do	450	204	Cranberries	Barrel	100	45.4
Blackberries	12, ½-pint basket	6	2.7	Do	¼-bbl. box ¹³ ...	25	11.3
Bluegrass seed	Bushel	14-30	6.4-13.6	Cream, 40-per-cent butterfat.	Gallon	8.38	3.80
Broccoli	Wirebound crate	20-25	9.1-11.3	Cucumbers	Bushel	48	21.8
Broomcorn (6 bales per ton)	Bale	333	151	Dewberries	24-qt. crate	36	16.3
Broomcorn seed	Bushel	44-50	20.0-22.7	Eggplant	Bushel	33	15.0
Brussels sprouts	Ctn, loose pack	25	11.3	Eggs, average size	Case, 30 dozen	47.0	21.3
Buckwheat	Bushel	48	21.8	Escarole	Bushel	25	11.3
Butter	Block	55,68	25,30.9	Figs, fresh	Box single layer ¹⁴	6	2.7
Cabbage	Open mesh bag	50	22.7	Flaxseed	Bushel	56	25.4
Do	Flat crate			Flour, various ...	Bag	100	45.4
Do	(1¾ bu)	50-60	22.7-27.2	Do	Ctn or Crate, Bulk	30	13.6
Do	Ctn, place pack	53	24.0	Garlic	Ctn of 12 tubes or 12 film bag pkgs 12 cloves each ..	10	4.5
Cantaloups	Crate ⁶	40	18.1				
Carrots	Film plastic Bags, mesh sacks & cartons holding 48 1 lb. film bags	55	24.9				

See footnotes on page viii.

WEIGHTS AND MEASURES—Continued

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		Pounds	Kilograms			Pounds	Kilograms
Grapefruit:				Peanuts			
Florida and Texas	1/2-box mesh bag	40	18.1	Spanish:			
Florida	1 3/4 bu. box	85	38.6	South-eastern	do	25	11.3
Texas	1 3/4 bu. box	80	36.3	South-western	do	25	11.3
California and Arizona	Box ^{15,16}	67	30.4	Pears:			
Grapes:				California	Bushel	48	21.8
Eastern	12-qt. basket	20	9.1	Other	do	50	22.7
Western	Lug	28	12.7	Do	Std box, 4/5 bu	45-48	20.4-21.8
Do	4-basket crate ¹⁷	20	9.1	Do	Ctn, Tight-fill pack	36-37	16.3-16.7
Hempseed	Bushel	44	20.0	Peas:			
Hickory nuts	do	50	22.7	Green, unshelled	Bushel	28-30	12.7-13.6
Honey	Gallon	11.84	5.4	Dry	do	60	27.2
Honeydew melons	2/3 Ctn	28-32	12.7-14.5	Peppers, green	do	25-30	11.3-13.6
Hops	Bale, gross	200	90.7	Do	1 1/2 bu carton	28	12.7
Horseradish roots	Bushel	35	15.9	Perilla seed	Bushel	37-40	16.8-18.1
Do	Sack	50	22.7	Pineapples	Carton	40	18.1
Hungarian millet seed	Bushel	48-50	21.8-22.7	Plums and prunes:			
Kale	Ctn or crate	25	11.3	Do	Ctn & lugs	28	12.7
Kapok seed	do	35-40	15.9-18.1	Do	1/2-bu. basket	30	13.6
Lard	Tierce	375	170	Popcorn:			
Lemons:				On ear	Bushel ¹⁰	70	31.8
California and Arizona	Box ¹⁸	76	34.5	Shelled	do	56	25.4
Do	Carton	38	17.2	Poppy seed	do	46	20.9
Lentils	Bushel	60	27.2	Potatoes	Bushel	60	27.2
Lettuce, iceberg	carton packed 24.	43-52	19.5-23.6	Do	Barrel	165	74.8
Lettuce, hot-house	24-qt. basket	10	4.5	Do	Box	50	22.7
Limes (Florida)	Box	88	39.9	Do	do	100	45.4
Linseed oil	Gallon ⁷	7.7	3.5	Quinces	Bushel	48	21.8
Malt	Bushel	34	15.4	Rapeseed	do	50-60	22.7-27.2
Maple syrup	Gallon	11.02	5.0	Raspberries	1/2-pint baskets	6	2.7
Meadow fescue seed	Bushel	24	10.9	Redtop seed	Bushel	50-60	22.7-27.2
Milk	Gallon	8.6	3.9	Refiners' syrup	Gallon	11.45	5.2
Millet	Bushel	48-60	21.8-27.2	Rice:			
Molasses:				Rough	Bushel	45	20.4
edible	Gallon	11.74	5.3	Do	Bag	100	45.4
inedible	do	11.74	5.3	Do	Barrel	162	73.5
Mustard seed	Bushel	58-60	26.3-27.2	Milled	Pocket or bag	100	45.4
Oats	do	32	14.5	Rosin	Drum, net	520	236
Olives	Lug	25-30	11.3-13.6	Rutabagas	Bushel	56	25.4
Olive oil	Gallon	7.6	3.4	Rye	do	56	25.4
Onions, dry	Sack	50	22.7	Sesame seed	do	46	20.9
Onions, green bunched	Ctn, 24-dz bchs	10-16	4.5-7.3	Shallots	Crate (4-7 doz bunches)	20-35	9.1-15.9
Oranges:				Sorgo:			
Florida	Box	90	40.8	Seed	Bushel	50	22.7
Texas	Box	85	38.5	Syrup	Gallon	11.55	5.2
California and Arizona	Box ¹⁵	75	34.0	Sorghum grain ¹⁹	Bushel	56	25.4
Do	Carton	38	17.2	Soybeans	do	60	27.2
Orchardgrass seed	Bushel	14	6.4	Soybean oil	Gallon ⁷	7.7	3.5
Palm oil	Gallon ⁷	7.7	3.5	Spelt	Bushel	40	18.1
Parsnips	Bushel	50	22.7	Spinach	do	18-20	8.2-9.1
Peaches	do	48	21.8	Strawberries	24-qt. crate	36	16.3
Do	2 layer ctn or lug	22	10.0	Do	12-pt. crate	9-11	4.1-5.0
Do	3/4-Bu, Ctn/crate	38	17.2	Sudangrass seed	Bushel	40	18.1
Peanut oil	Gallon ⁷	7.7	3.5	Sugarcane: Syrup			
Peanuts, unshelled:				(sulfured or un-sulfured)	Gallon	11.45	5.2
Virginia type	Bushel	17	7.7	Sunflower seed	Bushel	24-32	10.9-14.5
Runners, South-eastern	do	21	9.5	Sweet potatoes	Bushel ²⁰	55	24.9
				Do	Crate	50	22.7
				Tangerines:			
				Florida	Box	95	43.1
				Arizona	Box	75	34.0
				California	Box	75	34.0

See footnotes on page viii.

WEIGHTS AND MEASURES—Continued

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilograms</i>			<i>Pounds</i>	<i>Kilograms</i>
Timothy seed	Bushel	45	20.4	Turnips:			
Tobacco:				Without tops ..	Mesh sack	50	22.7
Maryland	Hogshead	775	352	Bunched	Crate ⁶	70-80	31.8-36.3
Flue-cured ....	.....do	950	431	Turpentine	Gallon	7.23	3.3
Burley .....	.....do	975	442	Velvetbeans			
Dark air-cured	.....do	1,150	522	(hulled)	Bushel	60	27.2
Virginia fire-	.....do			Vetch seed .....	.....do	60	27.2
cured .....	.....do	1,350	612	Walnuts	Sacks	50	22.7
Kentucky and				Water 60° F	Gallon	8.33	3.8
Tennessee				Watermelons	Melons of		
fire-cured	.....do	1,500	680	average or me-	.....	
Cigar-leaf	Case	250-365	113-166	dium size .....	.....	25	11.3
Do	Bale	150-175	68.0-79.4	Wheat	Bushel	60	27.2
Tomatoes	Crate	60	27.2	Various com-			
Do	Lug box	32	14.5	modities	Short ton	2,000	907
Do	2-layer flat	21	9.5	Do	Long ton	2,240	1,016
Tomatoes, hot-				Do	Metric ton	2,204.6	1,000
house	12-qt. basket	20	9.1				
Tung oil	Gallon ⁷	7.8	3.5				

See footnotes on page viii.

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 ²¹	1.4 bushels fresh
Applesauce	.....do ²¹	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 ²²	0.008 ton fresh
Buckwheat flour	100 pounds	3.47 bushels buckwheat
Calves	1 pound live weight	0.611 pound dressed weight (1999 average)
Cattle	.....do	0.607 pound dressed weight (1999 average)
Cane syrup	1 gallon	5 pounds sugar
Cherries, tart	1 case canned ²¹	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 ²²	0.030 ton fresh
Cornmeal:		
Degermed	100 pounds	3.16 bushels corn, beginning 1946
Nondegermed	.....do	2 bushels corn, beginning 1946
Cotton	1 pound ginned	3.26 pounds seed cotton, including trash ²³
Cottonseed meal	1 pound	2.10 pounds cottonseed
Cottonseed oil	.....do	5.88 pounds cottonseed
Dairy products:		
Butter	.....do	21.1 pounds milk
Cheese	.....do	10 pounds milk
Condensed milk, whole	.....do	2.3 pounds milk
Dry cream	.....do	19 pounds milk
Dry milk, whole	.....do	7.6 pounds milk
Evaporated milk, whole	.....do	2.14 pounds milk
MalTED milk	.....do	2.6 pounds milk
Nonfat dry milk	.....do	11 pounds liquid skim milk
Ice cream ²⁴	1 gallon	15 pounds milk
Ice cream ²⁴ (eliminating fat from butter and concentrated milk)	.....do	12 pounds milk
Eggs	1 case	47 pounds
Eggs, shell	.....do	41.2 pounds frozen or liquid whole eggs
Do	.....do	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 ²²	0.64 box fresh fruit
Hogs	1 pound live weight	0.737 pound dressed weight, excluding lard (1999 average)
Linseed meal	1 pound	1.51 pounds flaxseed
Linseed oil	.....do	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	.....do	2.22 pounds unshelled through 1949; 2 pounds thereafter
Brazil	.....do	2 pounds unshelled
Cashews	.....do	4.55 pounds unshelled
Chestnuts	.....do	1.19 pounds unshelled
Filberts	.....do	2.22 pounds unshelled through 1949; 2.5 pounds thereafter
Pecans:		
Seedling	.....do	2.78 pounds unshelled
Improved	.....do	2.50 pounds unshelled
Pignolias	.....do	1.3 pounds unshelled
Pistachios	.....do	2 pounds unshelled
Walnuts:		
Black	.....do	5.88 pounds unshelled
Persian (English)	.....do	2.67 pounds unshelled
Oatmeal	100 pounds	7.6 bushels oats, beginning 1943
Oranges, Florida	1 case canned juice ²²	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	.....do	7½ pounds fresh
Peaches, clingstone	1 case canned ²¹	1 bushel fresh
Do	.....do	0.0230 ton fresh
Peanuts	1 pound shelled	1½ pounds unshelled
Pears	1 pound dried	6½ pounds fresh
Pears, Bartlett	1 case canned ²²	1.1 bushels fresh
Do	.....do	0.026 ton fresh

See footnotes on page viii.

CONVERSION FACTORS—Continued

Commodity	Unit	Approximate equivalent
Peas, green	1 pound shelled	2½ pounds unshelled
Do	1 case canned ²²	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 unhulled rice
Rye flour .....	.....do	2.23 bushels rye, beginning 1947
Sheep and lambs	1 pound live weight	0.504 pound dressed weight (1999 average)
Soybean meal	1 pound	1.27 pounds soybeans
Soybean oil .....	.....do	5.49 pounds soybeans
Sugar	1 ton raw	0.9346 ton refined
Tobacco	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.)
Tomatoes	1 case canned ²²	0.018 ton fresh
Turkeys	1 pound live weight	0.80 pound ready-to-cook weight
Wheat flour	100 pounds	2.30 bushels wheat ²⁵
Wool, domestic apparel shorn	1 pound greasy	0.48 pounds scoured
Wool, domestic apparel pulled .....	.....do	0.73 pound scoured

¹ 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.

² Approximate inside dimensions, 4¾ by 12½ by 16½ inches.

³ Approximate inside dimensions, 4½ by 16 by 16½ inches.

⁴ Approximate dimensions, 4½ by 13½ by 16½ inches.

⁵ Approximate inside dimensions, 13 by 12 by 32 inches.

⁶ Approximate inside dimensions, 13 by 18 by 21½ inches.

⁷ This is the weight commonly used in trade practices, the actual weight varying according to temperature conditions.

⁸ Approximate inside dimensions, 9¾ by 16 by 20 inches.

⁹ Approximate inside dimensions, 4¾ by 11½ by 14 inches.

¹⁰ 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.

¹¹ 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.

¹² This is the average weight of cottonseed, although the legal weight in some States varies from this figure of 32 pounds.

¹³ Approximate inside dimensions, 9¼ by 10½ by 15 inches.

¹⁴ Approximate inside dimensions, 1¾ by 11 by 16½ inches.

¹⁵ Approximate inside dimensions, 11½ by 11½ by 24 inches.

¹⁶ Beginning with the 1993-94 season, net weights for California Desert Valley and Arizona grapefruit were increased from 64 to 67 pounds, equal to the California other area net weight, making a 67 pound net weight apply to all of California.

¹⁷ Approximate inside dimensions, 4¾ by 16 by 16½ inches.

¹⁸ Approximate inside dimensions, 9¾ by 13 by 25 inches. 6 by 16 by 16½ inches.

¹⁹ Includes both sorghum grain (kafir, milo, hegari, etc.) and sweet sorghum varieties.

²⁰ 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.

²¹ Case of 24 No. 2½ cans.

²² Case of 24 No. 303 cans.

²³ Varies widely by method of harvesting.

²⁴ 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.

²⁵ 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 1-1.—Total grain: Supply and disappearance, United States, 2008–2016¹

Year ²	Supply				Disappearance			Ending stocks
	Beginning stocks	Production	Imports	Total	Domestic use	Exports	Total disappearance	
	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>
2008	54.3	400.4	7.1	461.9	314.4	81.6	396.0	65.9
2009	66.3	418.0	6.4	490.8	331.1	83.4	414.5	76.3
2010	76.3	399.6	6.0	481.9	333.1	90.8	423.9	58.0
2011	58.0	385.1	6.8	449.9	326.3	74.2	400.0	49.9
2012	49.9	355.7	11.0	416.6	318.7	53.1	371.8	44.7
2013	44.7	433.9	9.0	487.1	345.3	90.2	435.6	51.8
2014	51.5	442.4	8.5	503.4	348.8	84.6	433.3	69.7
2015	69.6	432.2	8.4	509.3	349.7	83.1	432.8	76.8
2016	76.8	475.3	7.4	560.5	365.2	98.0	463.2	96.5

¹ Aggregate data on corn, sorghum, barley, oats, wheat, rye, and rice. ² The marketing year for corn and sorghum begins September 1; for oats, barley, wheat, and rye, June 1; and for rice, August 1. ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-2.—Wheat: Area, yield, production, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested				
	<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>
2008	63,617	56,036	44.8	2,511,896	6.78	16,701,285
2009	59,017	49,841	44.3	2,208,918	4.87	10,607,218
2010	52,620	46,883	46.1	2,163,023	5.70	12,579,125
2011	54,277	45,687	43.6	1,993,111	7.24	14,269,225
2012	55,294	48,758	46.2	2,252,307	7.77	17,383,149
2013	56,236	45,332	47.1	2,134,979	6.87	14,604,442
2014	56,841	46,385	43.7	2,026,310	5.99	11,914,954
2015	54,999	47,318	43.6	2,061,939	4.89	10,018,323
2016	50,119	43,850	52.7	2,308,723	3.89	9,179,424
2017	46,022	37,541	46.3	1,739,645	4.72	8,142,065

¹ Includes area seeded in preceding fall for winter wheat. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable. NASS, Crops Branch, (202) 720–2127.

Table 1-3.—Wheat, by type: Area, yield, production, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	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>
2008	46,781	40,000	47.1	1,885,575	6.57	12,054,269
2009	43,287	34,550	44.0	1,521,077	4.71	7,070,719
2010	36,576	31,219	46.5	1,452,313	5.37	7,835,595
2011	40,596	32,378	46.1	1,493,130	6.81	10,154,257
2012	40,897	34,609	47.1	1,630,387	7.55	12,245,482
2013	43,230	32,650	47.3	1,542,902	6.89	10,590,949
2014	42,409	32,299	42.6	1,377,216	5.92	8,036,108
2015	39,681	32,346	42.5	1,374,690	4.80	6,555,216
2016	36,152	30,237	55.3	1,672,582	3.57	6,114,587
2017	32,696	25,291	50.2	1,269,437	4.32	5,395,445
Durum 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>
2008	2,721	2,574	31.3	80,467	9.26	704,365
2009	2,512	2,386	44.0	104,930	5.47	569,360
2010	2,503	2,462	41.2	101,482	5.98	633,469
2011	1,337	1,280	36.8	47,043	9.68	445,186
2012	2,138	2,122	38.4	81,501	8.18	682,317
2013	1,400	1,338	43.3	57,976	7.46	432,733
2014	1,407	1,346	40.2	54,056	8.81	482,417
2015	1,951	1,911	44.0	84,009	7.36	615,160
2016	2,412	2,360	44.0	103,914	6.01	608,093
2017	2,307	2,106	26.0	54,777	6.35	356,833
Other spring wheat ³						
	<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>
2008	14,115	13,462	40.5	545,854	7.31	3,942,651
2009	13,218	12,905	45.2	582,911	5.23	2,967,139
2010	13,541	13,202	46.1	609,228	6.49	4,110,061
2011	12,344	12,029	37.7	452,938	8.24	3,669,782
2012	12,259	12,027	44.9	540,419	8.24	4,455,350
2013	11,606	11,344	47.1	534,101	6.73	3,580,760
2014	13,025	12,740	46.7	595,038	5.75	3,396,429
2015	13,367	13,061	46.2	603,240	4.78	2,847,947
2016	11,555	11,253	47.3	532,227	4.56	2,456,744
2017	11,019	10,144	41.0	415,431	5.71	2,389,787

¹ Seeded in preceding fall for winter wheat. ² Obtained by weighting State prices by quantity sold. ³ Includes small quantities of Durum wheat grown in other States.
NASS, Crops Branch, (202) 720-2127.

Table 1-4.—Wheat: Stocks on and off farms, United States, 2008–2017

Year beginning September	All wheat							
	On farms				Off farms ¹			
	Sept. 1	Dec. 1	Mar. 1	Jun. 1	Sept. 1	Dec. 1	Mar. 1	Jun. 1
	<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>
2008	635,700	454,000	280,400	140,745	1,222,183	968,089	759,664	515,760
2009	836,000	558,800	348,250	209,900	1,373,338	1,222,891	1,008,107	765,737
2010	812,100	550,000	288,010	130,915	1,637,517	1,382,946	1,137,292	732,083
2011	633,000	405,200	217,100	112,030	1,513,669	1,257,318	982,245	630,590
2012	572,900	399,500	236,970	120,150	1,542,209	1,271,079	997,860	597,739
2013	555,000	398,400	237,530	96,995	1,314,637	1,076,451	819,435	493,288
2014	713,450	472,800	278,710	155,170	1,193,770	1,056,830	861,697	597,224
2015	650,200	503,450	319,800	197,210	1,446,889	1,242,457	1,051,862	778,393
2016	728,200	571,280	349,500	191,755	1,816,830	1,508,080	1,309,175	988,847
2017	491,800	394,080	259,310	130,475	1,774,275	1,479,335	1,236,131	968,414
Year beginning September	Durum wheat ²							
	On farms				Off farms ¹			
	Sept. 1	Dec. 1	Mar. 1	Jun. 1	Sept. 1	Dec. 1	Mar. 1	Jun. 1
	<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>
2008	36,200	26,100	18,700	13,300	22,595	18,405	13,571	11,774
2009	74,100	50,600	34,300	23,900	27,686	25,181	21,216	10,749
2010	71,200	46,600	35,700	22,100	28,931	21,742	20,720	13,366
2011	34,900	24,500	17,900	15,200	28,828	23,507	17,899	10,270
2012	43,600	36,700	21,400	13,600	24,842	24,306	21,088	9,450
2013	42,900	32,800	20,700	12,800	23,465	21,175	17,430	8,724
2014	38,700	23,900	16,200	10,250	19,121	20,147	21,454	15,406
2015	44,900	35,700	17,700	12,190	29,146	24,787	24,785	15,609
2016	65,500	49,200	32,400	18,350	26,386	23,719	20,584	17,953
2017	33,400	30,700	25,800	14,950	32,756	25,351	23,740	19,996

¹Includes stocks at mills, elevators, warehouses, terminals, and processors. ²Included in all wheat. NASS, Crops Branch, (202) 720-2127.

Table 1-5.—Wheat: Supply and disappearance, by class, United States, 2013–2017¹

Item	Year beginning June				
	2013	2014	2015	2016	2017
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
All wheat:					
Stocks, June 1	718	590	752	976	1,181
Production	2,135	2,026	2,062	2,309	1,741
Supply ²	3,025	2,768	2,927	3,402	3,076
Exports ³	1,176	864	778	1,055	925
Domestic disappearance	1,259	1,151	1,174	1,167	1,117
Stocks, May 31	590	752	976	1,181	1,034
Hard red winter:					
Stocks, June 1	343	237	294	446	589
Production	747	739	830	1,082	750
Supply ²	1,109	985	1,130	1,533	1,347
Exports ³	446	272	227	455	380
Domestic disappearance	426	419	458	489	457
Stocks, May 31	237	294	446	589	510
Soft red winter:					
Stocks, June 1	124	113	154	157	215
Production	568	455	359	345	292
Supply ²	713	581	531	535	527
Exports ³	283	134	120	92	90
Domestic disappearance	318	293	254	228	209
Stocks, May 31	113	154	157	215	228
Hard red spring:					
Stocks, June 1	165	169	212	272	235
Production	491	556	568	491	385
Supply ²	733	792	828	805	694
Exports ³	246	274	254	321	235
Domestic disappearance	318	306	302	249	274
Stocks, May 31	169	212	272	235	185
Durum:					
Stocks, June 1	23	22	26	28	36
Production	58	54	84	104	55
Supply ²	129	126	143	162	138
Exports ³	32	37	29	24	20
Domestic disappearance	76	64	86	101	83
Stocks, May 31	22	26	28	36	35
White:					
Stocks, June 1	63	50	67	74	105
Production	271	224	221	286	258
Supply ²	341	283	294	368	370
Exports ³	170	147	147	163	200
Domestic disappearance	120	69	73	99	94
Stocks, May 31	50	67	74	105	76

¹Data except production are approximations. ²Total supply includes imports. ³Import and exports include flour and products in wheat equivalent.
ERS, Market and Trade Economics Division, (202) 694-5285.

Table 1-6.—Wheat: Supply and disappearance, United States, 2008–2017

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports ¹	Total	Domestic use				Ex-ports ¹	Total disappearance		
					Food	Seed	Feed ²	Total				
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	
2008	306	2,499	127	2,932	927	78	255	1,260	1,015	2,275	657	
2009	657	2,218	119	2,993	919	69	150	1,138	879	2,018	976	
2010	976	2,207	97	3,279	926	71	129	1,126	1,291	2,417	862	
2011	862	1,999	112	2,974	941	76	162	1,180	1,051	2,231	743	
2012	743	2,252	124	3,119	951	73	365	1,389	1,012	2,401	718	
2013	718	2,135	172	3,025	955	76	228	1,259	1,176	2,435	590	
2014	590	2,026	151	2,768	958	79	113	1,151	864	2,015	752	
2015	752	2,062	113	2,927	957	67	149	1,174	778	1,951	976	
2016	976	2,309	118	3,402	949	61	156	1,167	1,055	2,222	1,181	
2017	1,181	155	1,741	3,076	955	62	100	1,117	925	2,042	1,034	

¹Imports and exports include flour and other products expressed in wheat equivalent. ²Approximates feed and residual use and includes negligible quantities used for distilled spirits.
Totals may not add due to independent rounding.
ERS, Market and Trade Economics Division, (202) 694-5296.

Table 1-7.—All Wheat: Area, yield, and production, by State and United States, 2015–2017

State	Area planted ¹			Area harvested		
	2015	2016	2017	2015	2016	2017
	1,000 acres					
Alabama	260	230	150	220	170	100
Arizona	180	111	115	152	103	107
Arkansas	350	195	200	240	115	125
California	520	480	420	235	217	182
Colorado	2,458	2,361	2,260	2,197	2,200	2,029
Delaware	70	70	75	65	65	69
Florida	25	25	20	15	17	14
Georgia	215	180	160	145	110	70
Idaho	1,220	1,190	1,175	1,155	1,125	1,109
Illinois	540	520	500	520	470	470
Indiana	290	330	290	260	280	240
Iowa	20	25	16	15	17	8
Kansas	9,200	8,500	7,600	8,700	8,200	6,950
Kentucky	560	510	480	440	400	310
Louisiana	110	25	20	92	20	13
Maryland	355	360	410	270	260	185
Michigan	510	610	480	475	570	425
Minnesota	1,532	1,321	1,170	1,473	1,268	1,135
Mississippi	150	65	45	120	50	25
Missouri	760	690	640	610	570	540
Montana	5,620	5,130	5,140	5,365	4,975	4,665
Nebraska	1,490	1,370	1,120	1,210	1,310	1,020
Nevada	12	15	29	8	9	10
New Jersey	27	25	23	20	21	17
New Mexico	385	345	330	190	210	135
New York	120	120	140	110	115	125
North Carolina	650	420	450	570	355	375
North Dakota	7,990	7,590	6,680	7,915	7,405	6,260
Ohio	520	580	460	480	560	435
Oklahoma	5,300	5,000	4,500	3,800	3,500	2,900
Oregon	835	810	775	828	797	763
Pennsylvania	195	190	210	175	150	150
South Carolina	170	60	90	160	50	75
South Dakota	2,756	2,270	1,887	2,236	2,157	1,196
Tennessee	455	400	370	395	335	275
Texas	6,100	5,000	4,700	3,550	2,800	2,350
Utah	135	129	134	128	120	120
Virginia	260	210	210	210	175	140
Washington	2,290	2,240	2,195	2,225	2,200	2,140
West Virginia	9	7	8	4	4	7
Wisconsin	230	270	210	210	250	170
Wyoming	145	140	135	130	125	105
United States	54,999	50,119	46,022	47,318	43,850	37,541

See footnote(s) at end of table.

Table 1-7.—All Wheat: Area, yield, and production, by State and United States, 2015–2017—Continued

State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	<i>Bushels</i>			<i>1,000 bushels</i>		
Alabama	68.0	70.0	77.0	14,960	11,900	7,700
Arizona	101.0	97.8	100.8	15,356	10,073	10,789
Arkansas	56.0	54.0	52.0	13,440	6,210	6,500
California	79.1	79.7	68.2	18,595	17,302	12,404
Colorado	37.1	48.2	43.2	81,485	106,000	87,598
Delaware	65.0	67.0	73.0	4,225	4,355	5,037
Florida	43.0	30.0	37.0	645	510	518
Georgia	43.0	46.0	47.0	6,235	5,060	3,290
Idaho	77.4	91.4	81.8	89,370	102,795	90,723
Illinois	65.0	74.0	76.0	33,800	34,780	35,720
Indiana	68.0	81.0	74.0	17,680	22,680	17,760
Iowa	52.0	63.0	68.0	780	1,071	544
Kansas	37.0	57.0	48.0	321,900	467,400	333,600
Kentucky	73.0	80.0	77.0	32,120	32,000	23,870
Louisiana	39.0	45.0	46.0	3,588	900	598
Maryland	64.0	64.0	71.0	17,280	16,640	13,135
Michigan	81.0	89.0	79.0	38,475	50,730	33,575
Minnesota	59.9	59.0	66.9	88,294	74,828	75,935
Mississippi	48.0	48.0	58.0	5,760	2,400	1,450
Missouri	53.0	70.0	68.0	32,330	39,900	36,720
Montana	35.1	42.4	27.3	188,515	210,875	127,430
Nebraska	38.0	54.0	46.0	45,980	70,740	46,920
Nevada	81.3	72.3	106.0	650	651	1,060
New Jersey	50.0	64.0	64.0	1,000	1,344	1,088
New Mexico	25.0	22.0	30.0	4,750	4,620	4,050
New York	63.0	74.0	67.0	6,930	8,510	8,375
North Carolina	53.0	41.0	55.0	30,210	14,555	20,625
North Dakota	46.7	45.0	37.9	370,023	332,978	237,133
Ohio	67.0	80.0	74.0	32,160	44,800	32,190
Oklahoma	26.0	39.0	34.0	98,800	136,500	98,600
Oregon	47.3	50.1	63.0	39,195	39,937	48,069
Pennsylvania	65.0	68.0	72.0	11,375	10,200	10,800
South Carolina	46.0	43.0	49.0	7,360	2,150	3,675
South Dakota	46.2	51.6	34.8	103,406	111,281	41,678
Tennessee	68.0	73.0	70.0	26,860	24,455	19,250
Texas	30.0	32.0	29.0	106,500	89,600	68,150
Utah	48.5	59.9	52.0	6,207	7,184	6,240
Virginia	66.0	53.0	66.0	13,860	9,275	9,570
Washington	50.3	71.5	66.6	111,900	157,290	142,500
West Virginia	60.0	61.0	69.0	240	244	276
Wisconsin	74.0	79.0	68.0	15,540	19,750	11,560
Wyoming	32.0	34.0	28.0	4,160	4,250	2,940
United States	43.6	52.7	46.3	2,061,939	2,308,723	1,739,645

¹ Includes area planted preceding fall.
NASS, Crops Branch, (202) 720-2127.

Table 1-8.—Wheat, by type: Area, yield, and production, by State and United States, 2015–2017

State	Area planted ¹			Area harvested		
	2015	2016	2017	2015	2016	2017
<i>1,000 acres</i>						
Winter wheat						
Alabama	260	230	150	220	170	100
Arizona	5	14	25	2	7	18
Arkansas	350	195	200	240	115	125
California	450	425	385	170	170	155
Colorado	2,450	2,350	2,250	2,190	2,190	2,020
Delaware	70	70	75	65	65	69
Florida	25	25	20	15	17	14
Georgia	215	180	160	145	110	70
Idaho	760	770	720	710	720	670
Illinois	540	520	500	520	470	470
Indiana	290	330	290	260	280	240
Iowa	20	25	16	15	17	8
Kansas	9,200	8,500	7,600	8,700	8,200	6,950
Kentucky	560	510	480	440	400	310
Louisiana	110	25	20	92	20	13
Maryland	355	360	410	270	260	185
Michigan	510	610	480	475	570	425
Minnesota	52	11	10	43	8	5
Mississippi	150	65	45	120	50	25
Missouri	760	690	640	610	570	540
Montana	2,350	2,250	1,750	2,220	2,150	1,590
Nebraska	1,490	1,370	1,120	1,210	1,310	1,020
Nevada	8	10	14	6	6	5
New Jersey	27	25	23	20	21	17
New Mexico	385	345	330	190	210	135
New York	120	120	140	110	115	125
North Carolina	650	420	450	570	355	375
North Dakota	200	130	70	190	120	35
Ohio	520	580	460	480	560	435
Oklahoma	5,300	5,000	4,500	3,800	3,500	2,900
Oregon	740	720	700	735	710	690
Pennsylvania	195	190	210	175	150	150
South Carolina	170	60	90	160	50	75
South Dakota	1,420	1,180	910	970	1,100	520
Tennessee	455	400	370	395	335	275
Texas	6,100	5,000	4,700	3,550	2,800	2,350
Utah	125	120	120	119	112	108
Virginia	260	210	210	210	175	145
Washington	1,650	1,700	1,700	1,590	1,670	1,650
West Virginia	9	7	8	4	4	4
Wisconsin	230	270	210	210	250	170
Wyoming	145	140	135	130	125	105
United States	39,681	36,152	32,696	32,346	30,237	25,291
Other spring wheat						
Colorado	8	11	10	7	10	9
Idaho	450	410	430	435	395	415
Minnesota	1,480	1,310	1,160	1,430	1,260	1,130
Montana	2,650	2,100	2,500	2,540	2,060	2,290
Nevada	4	5	15	2	3	5
North Dakota	6,700	6,000	5,350	6,650	5,850	5,050
Oregon	95	90	75	93	87	73
South Dakota	1,330	1,080	970	1,260	1,050	670
Utah	10	9	14	9	8	12
Washington	640	540	495	635	530	490
United States	13,367	11,555	11,019	13,061	11,253	10,144
Durum wheat						
Arizona	155	97	90	150	96	89
California	70	55	35	65	47	27
Idaho	10	10	25	10	10	24
Montana	620	780	890	605	765	785
North Dakota	1,090	1,460	1,260	1,075	1,435	1,175
South Dakota	6	10	7	6	7	6
United States	1,951	2,412	2,307	1,911	2,360	2,106

See footnote(s) at end of table.

Table 1-8.—Wheat, by type: Area, yield, and production, by State and United States, 2015–2017—Continued

State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	<i>Bushels</i>			<i>1,000 bushels</i>		
	Winter wheat					
Alabama	68.0	70.0	77.0	14,960	11,900	7,700
Arizona	103.0	95.0	100.0	206	665	1,800
Arkansas	56.0	54.0	52.0	13,440	6,210	6,500
California	70.0	78.0	64.0	11,900	13,260	9,920
Colorado	37.0	48.0	43.0	81,030	105,120	86,860
Delaware	65.0	67.0	73.0	4,225	4,355	5,037
Florida	43.0	30.0	37.0	645	510	518
Georgia	43.0	46.0	47.0	6,235	5,060	3,290
Idaho	82.0	94.0	80.0	58,220	67,680	53,600
Illinois	65.0	74.0	76.0	33,800	34,780	35,720
Indiana	68.0	81.0	74.0	17,680	22,680	17,760
Iowa	52.0	63.0	68.0	780	1,071	544
Kansas	37.0	57.0	48.0	321,900	467,400	333,600
Kentucky	73.0	80.0	77.0	32,120	32,000	23,870
Louisiana	39.0	45.0	46.0	3,588	900	598
Maryland	64.0	64.0	71.0	17,280	16,640	13,135
Michigan	81.0	89.0	79.0	38,475	50,730	33,575
Minnesota	58.0	61.0	45.0	2,494	488	225
Mississippi	48.0	48.0	58.0	5,760	2,400	1,450
Missouri	53.0	70.0	68.0	32,330	39,900	36,720
Montana	41.0	49.0	42.0	91,020	105,350	66,780
Nebraska	38.0	54.0	46.0	45,980	70,740	46,920
Nevada	90.0	75.0	107.0	540	450	535
New Jersey	50.0	64.0	64.0	1,000	1,344	1,088
New Mexico	25.0	22.0	30.0	4,750	4,620	4,050
New York	63.0	74.0	67.0	6,930	8,510	8,375
North Carolina	53.0	41.0	55.0	30,210	14,555	20,625
North Dakota	44.0	48.0	37.0	8,360	5,760	1,295
Ohio	67.0	80.0	74.0	32,160	44,800	32,190
Oklahoma	26.0	39.0	34.0	98,800	136,500	98,600
Oregon	47.0	50.0	63.0	34,545	35,500	43,470
Pennsylvania	65.0	68.0	72.0	11,375	10,200	10,800
South Carolina	46.0	43.0	49.0	7,360	2,150	3,675
South Dakota	44.0	58.0	40.0	42,680	63,800	20,800
Tennessee	68.0	73.0	70.0	26,860	24,455	19,250
Texas	30.0	32.0	29.0	106,500	89,600	68,150
Utah	48.0	60.0	52.0	5,712	6,720	5,616
Virginia	66.0	53.0	66.0	13,860	9,275	9,570
Washington	56.0	78.0	73.0	89,040	130,260	120,450
West Virginia	60.0	61.0	69.0	240	244	276
Wisconsin	74.0	79.0	68.0	15,540	19,750	11,560
Wyoming	32.0	34.0	28.0	4,160	4,250	2,940
United States	42.5	55.3	50.2	1,374,690	1,672,582	1,269,437
	Other spring wheat					
Colorado	65.0	88.0	82.0	455	880	738
Idaho	70.0	87.0	85.0	30,450	34,365	35,275
Minnesota	60.0	59.0	67.0	85,800	74,340	75,710
Montana	31.0	36.0	21.0	78,740	74,160	48,090
Nevada	55.0	67.0	105.0	110	201	525
North Dakota	48.0	46.0	41.0	319,200	269,100	207,050
Oregon	50.0	51.0	63.0	4,650	4,437	4,599
South Dakota	48.0	45.0	31.0	60,480	47,250	20,770
Utah	55.0	58.0	52.0	495	464	624
Washington	36.0	51.0	45.0	22,860	27,030	22,050
United States	46.2	47.3	41.0	603,240	532,227	415,431
	Durum wheat					
Arizona	101.0	98.0	101.0	15,150	9,408	8,989
California	103.0	86.0	92.0	6,695	4,042	2,484
Idaho	70.0	75.0	77.0	700	750	1,848
Montana	31.0	41.0	16.0	18,755	31,365	12,560
North Dakota	39.5	40.5	24.5	42,463	58,118	28,788
South Dakota	41.0	33.0	18.0	246	231	108,000
United States	44.0	44.0	26.0	84,009	103,914	54,777

¹ Includes area planted preceding fall.
NASS, Crops Branch, (202) 720-2127.

Table 1-9.—Wheat: Support operations, United States, 2008–2017

Marketing year beginning June 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under loan		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target/Reference ³	Quantity	Percentage of production ⁴		
	Dollars	Dollars	Dollars	Million bushels	Percent	Million bushels	Million bushels
2008/2009 ...	0.52/0.00	2.75	3.92	84	3.4	0	0
2009/2010 ...	0.52/0.00	2.75	3.92	103	4.6	0	0
2010/2011 ...	0.52/0.00	2.94	4.17	67	3.0	0	0
2011/2012 ...	0.52/0.00	2.94	4.17	36	1.8	0	0
2012/2013 ...	0.52/0.00	2.94	4.17	28	1.2	0	0
2013/2014 ...	0.52/0.00	2.94	4.17	25	1.2	0	0
2014/2015 ...	0.00	2.94	5.50	43	2.1	0	0
2015/2016 ...	0.61	2.94	5.50	81	3.9	0	0
2016/2017 ...	1.61	2.94	5.50	151	6.5	0.25	0
2017/2018 ...	0.85	2.94	5.50	46	2.6	0	0

¹ The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ² For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. ³ Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴ Percent of production is on a grain basis. ⁵ Acquisitions as of March 30, 2018. FSA, Food Grains, (202) 720-7787.

Table 1-10.—Wheat: Marketing year average price and value, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015	2016	2017 ¹	2015	2016	2017 ¹
	Dollars			1,000 dollars		
Alabama	5.15	4.45	4.60	77,044	52,955	35,420
Arizona	9.14	6.70	7.06	139,604	66,459	72,912
Arkansas	5.17	4.66	4.46	69,485	28,939	28,600
California	7.42	5.07	5.42	130,346	88,401	67,854
Colorado	4.29	3.08	3.88	350,235	326,674	328,529
Delaware	4.60	4.04	4.63	19,435	17,594	22,918
Florida	4.15	3.90	4.00	2,677	1,989	2,072
Georgia	4.60	4.10	4.10	28,681	20,493	13,489
Idaho	5.03	4.05	4.64	449,467	421,527	415,657
Illinois	3.85	4.09	4.59	130,130	142,250	162,526
Indiana	4.88	4.04	4.78	86,278	91,627	84,360
Iowa	3.69	3.60	3.90	2,878	3,877	2,067
Kansas	4.74	3.20	4.07	1,525,806	1,495,680	1,334,400
Kentucky	5.32	4.52	4.68	170,878	144,640	109,802
Louisiana	4.50	4.25	4.20	16,146	3,825	2,512
Maryland	4.60	4.04	4.63	79,488	67,226	60,421
Michigan	5.61	4.15	4.54	215,845	210,530	151,088
Minnesota	4.69	4.69	5.76	413,934	351,326	436,548
Mississippi	5.06	4.47	4.30	29,146	10,728	6,018
Missouri	4.12	3.99	4.47	133,200	159,201	161,568
Montana	4.83	4.43	5.34	924,768	947,754	674,243
Nebraska	4.45	3.14	4.03	204,611	222,124	185,334
Nevada	5.23	4.05	4.70	3,402	2,637	4,925
New Jersey	4.70	4.15	4.60	4,700	5,578	5,005
New Mexico	4.84	3.30	4.20	22,990	15,246	17,010
New York	5.32	4.29	4.88	36,868	36,508	38,106
North Carolina	4.90	4.61	4.70	148,029	67,099	95,906
North Dakota	4.80	4.68	5.74	1,777,081	1,578,377	1,384,140
Ohio	4.57	4.25	4.90	146,971	190,400	157,731
Oklahoma	4.77	3.44	3.98	471,276	469,560	379,610
Oregon	5.39	4.53	5.16	211,182	180,160	238,654
Pennsylvania	5.33	4.64	5.21	60,629	47,328	56,700
South Carolina	4.50	4.34	4.20	33,120	9,331	15,986
South Dakota	4.58	4.15	5.52	466,707	456,411	233,464
Tennessee	5.22	4.64	4.60	140,209	113,471	87,588
Texas	4.71	3.54	3.89	501,615	317,184	255,563
Utah	5.18	4.30	5.20	30,711	29,298	28,954
Virginia	5.45	4.75	4.60	75,537	44,056	44,979
Washington	5.35	4.16	4.85	599,904	656,782	680,266
West Virginia	5.40	4.80	4.70	1,296	1,171	1,297
Wisconsin	4.40	3.51	4.15	68,376	69,323	46,818
Wyoming	4.24	3.22	3.90	17,638	13,685	11,025
United States	4.89	3.89	4.72	10,018,323	9,179,424	8,142,065

¹ Preliminary. NASS, Crops Branch, (202) 720-2127.

Table 1-11.—International Wheat: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018
	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
Argentina	3,945	5,560	5,600	2.86	3.31	3.21	11,300	18,400	18,000
Australia	11,282	12,191	12,250	1.97	2.61	1.74	22,275	31,819	21,300
Canada	9,558	8,976	9,000	2.89	3.58	3.33	27,647	32,140	30,000
China	24,140	24,187	23,990	5.39	5.33	5.41	130,190	128,845	129,770
European Union ...	26,829	27,232	26,321	5.98	5.34	5.76	160,480	145,369	151,681
India	31,470	30,220	30,785	2.75	2.88	3.20	86,530	87,000	98,510
Pakistan	9,204	9,224	8,973	2.73	2.78	2.97	25,086	25,633	26,674
Russia	25,577	27,004	27,343	2.39	2.69	3.11	61,044	72,529	84,992
Turkey	7,860	7,815	7,800	2.48	2.21	2.69	19,500	17,250	21,000
Ukraine	7,115	6,462	6,642	3.83	4.15	4.06	27,274	26,791	26,981
Others	47,461	45,537	45,596	2.29	2.27	2.23	108,469	103,383	101,737
Total foreign	204,441	204,408	204,300	3.33	3.37	3.48	679,795	689,159	710,645
United States	19,149	17,746	15,211	2.93	3.54	3.11	56,117	62,833	47,371
Total	223,590	222,154	219,511	3.29	3.39	3.45	735,912	751,992	758,016

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-12.—Wheat and flour: United States imports, 2008–2017

Year beginning June	All wheat grain	All wheat flour ¹	All wheat products ²	Total all wheat ³
	1,000 bushels	1,000 bushels ⁴	1,000 bushels ⁴	1,000 bushels
2008	101,964	9,785	15,221	126,970
2009	93,003	9,720	15,868	118,591
2010	69,053	11,283	16,582	96,918
2011	83,336	10,666	18,068	112,069
2012	96,103	10,151	18,063	124,317
2013	141,665	11,535	19,267	172,467
2014	116,973	14,332	19,944	151,249
2015	76,433	15,822	20,470	112,725
2016	83,849	14,574	19,717	118,140
2017	78,662	11,086	13,647	103,395

¹Includes meal, groats, and durum. ²Includes bulgur, couscous, and selected categories of pasta. ³Totals may not add due to rounding. ⁴Expressed in grain-equivalent bushels.
ERS, Market and Trade Economics Division, (202) 694-5285.

Table 1-13.—Wheat: International trade, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	9,600	13,825	12,000
Australia	16,119	22,644	15,000
Canada	22,110	20,157	22,100
European Union	34,763	27,426	23,500
Kazakhstan	7,600	7,400	8,500
Mexico	1,568	1,119	1,200
Pakistan	600	600	1,200
Russia	25,543	27,809	42,000
Turkey	5,531	6,174	6,194
Ukraine	17,431	18,107	17,500
Others	10,880	9,405	8,929
Total Foreign	151,745	154,666	158,123
United States	21,168	28,602	24,524
Total	172,913	183,268	182,647
Principle importing countries:			
Algeria	8,153	8,414	8,200
Bangladesh	4,720	5,556	6,400
Brazil	6,745	7,349	7,000
Egypt	11,925	11,175	12,300
European Union	6,928	5,299	5,600
Indonesia	10,045	10,176	10,500
Japan	5,715	5,911	6,000
Mexico	4,805	5,370	5,300
Philippines	4,918	5,704	6,000
Turkey	4,382	4,533	6,400
Others	98,746	106,398	103,720
Total Foreign	167,082	175,885	177,420
United States	3,070	3,212	4,284
Total	170,152	179,097	181,704

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-14.—Wheat and flour: United States exports by country of destination, 2015–2017

Country of destination	Year		
	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Wheat:			
Mexico	2,609,799	23,906,807	27,265,098
Japan	2,764,631	2,763,704	3,698,272
Philippines	2,021,012	2,723,316	3,102,131
Nigeria	1,899,653	2,679,306	2,490,437
Korea, South	1,124,398	1,076,320	1,669,645
Indonesia	428,307	1,088,333	1,550,534
China	548,765	961,240	1,473,095
Taiwan	1,048,476	900,689	1,467,458
Algeria	95,902	1,098,891	1,094,747
Colombia	684,416	339,357	840,476
Thailand	754,849	837,779	833,326
Guatemala	547,491	653,045	727,814
Peru	375,799	510,442	537,856
Yemen(*)	389,013	434,567	522,904
Italy(*)	792,226	463,365	444,204
Morocco	20,132	424,135	413,853
Dominican Republic	356,568	539,763	402,853
Venezuela	274,546	366,876	369,991
Chile	260,143	409,530	357,493
Ethiopia(*)	248,800	427,191	328,770
El Salvador	229,730	492,817	321,720
Bangladesh	75,090	191,376	317,902
Ecuador	325,662	100,885	308,155
Brazil	441,088	250,544	289,191
Iraq	155,004	1,254,817	286,837
Honduras	213,477	0	256,904
Malaysia	210,185	300,061	231,985
Jamaica	192,872	186,903	218,744
Egypt	354,424	169,491	179,086
Rest of World	1,815,823	82,270	177,599
World Total	21,258,281	2,179,794	2,351,080
Wheat flour:			
Mexico	156,323	206,85	181,521
Canada	111,512	122,45	92,246
Dominican Republic	2,359	2,478	2,637
Bahamas, The	1,511	1,256	2,176
Netherlands Antilles(*)	1,695	1,995	2,166
Sweden	1,473	1,723	1,731
Korea, South	3,432	1,772	1,343
Djibouti	1,558	1,295	1,254
China	601	442	1,204
Malaysia	674	1,043	1,100
United Arab Emirates	1,006	594	1,089
Leeward-Windward Islands(*)	868	989	839
Trinidad and Tobago	385	574	804
Japan	19	344	770
Panama	50	401	602
New Zealand(*)	425	359	584
Barbados	396	344	583
Guatemala	180	286	405
Micronesia	549	351	370
Brazil	237	432	347
Kyrgyzstan	180	0	270
Turks and Caicos Islands	105	110	266
Hong Kong	298	125	236
Iceland	233	178	234
Netherlands	149	75	199
Palau	188	179	170
Cayman Islands	112	156	165
Vietnam	599	202	151
Taiwan	1,651	188	148
Rest of World	20,258	9,548	2,044
World Total	309,025	356,751	297,650

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and distribution statistics from foreign governments.

Table 1-15.—Rye: Area, yield, production, disposition, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested				
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
2008	1,345	286	29.1	8,315	6.35	52,803
2009	1,256	251	27.1	6,791	5.06	34,355
2010	1,256	270	27.7	7,480	5.18	38,767
2011	1,227	239	25.3	6,051	7.81	47,250
2012	1,271	250	26.2	6,542	7.69	50,304
2013	1,451	278	27.4	7,626	7.95	60,598
2014	1,434	258	27.9	7,189	7.74	55,639
2015	1,584	365	31.8	11,616	6.50	75,497
2016	1,891	414	32.5	13,451	5.12	68,913
2017	1,961	286	33.9	9,696	4.50	46,098

¹ Area planted in preceding fall. ² 2017 data is preliminary. NASS, Crops Branch, (202) 720-2127.

Table 1-16.—Rye: Supply and disappearance, United States, 2008–2017

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports	Total disappearance ²	
					Food	Seed	Industry ¹	Feed	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
2008 ..	396	7,979	3,953	12,328	3,300	3,000	3,000	2,203	11,503	316	11,819	509
2009 ..	509	6,993	4,251	11,753	3,300	3,000	3,000	1,448	10,748	73	10,821	932
2010 ..	932	7,480	5,552	13,964	3,300	3,000	3,000	3,714	13,014	149	13,163	801
2011 ..	801	6,051	5,994	12,846	3,310	3,000	3,010	2,917	12,237	157	12,394	452
2012 ..	452	6,542	8,966	15,960	3,400	3,000	3,020	5,829	15,249	310	15,559	401
2013 ..	401	7,626	9,213	17,240	3,430	3,000	3,030	7,227	16,687	268	16,955	285
2014 ..	285	7,189	9,320	16,794	3,460	3,000	3,040	6,465	15,965	240	16,205	589
2015 ..	589	11,616	8,757	20,962	3,630	3,000	3,050	10,646	20,326	181	20,507	455
2016 ..	455	13,451	6,588	20,494	3,500	4,130	5,727	6,263	19,620	176	19,796	698
2017 ..	698	9,696	8,050	18,444	3,530	4,100	6,100	3,914	17,644	200	17,844	600

¹ Includes commercial adhesives, packaging materials, thatching, mattresses, hats, and paper. ² Totals may not add due to independent rounding. ERS, Market and Trade Economics Division, (202) 694-5302.

Table 1-17.—Rye: Area, yield, and production, by State and United States, 2015–2017

State	Area planted ¹			Area harvested		
	2015	2016	2017	2015	2016	2017
	<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>
Georgia	210	200	210	30	30	15
Oklahoma	250	260	260	85	75	45
Other States ²	1,124	1,431	1,491	250	309	226
United States	1,584	1,891	1,961	365	414	286

State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
Georgia	14.0	21.0	19.0	420	630	285
Oklahoma	24.0	25.0	24.0	2,040	1,875	1,080
Other States ²	36.6	35.4	36.9	9,156	10,946	8,331
United States	31.8	32.5	33.9	11,616	13,451	9,696

¹ Includes area planted preceding fall. ² For 2015, Other States include Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin. Beginning in 2016, Other States include Illinois, Kansas, Maine, Maryland, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, Virginia, and Wisconsin.
NASS, Crops Branch, (202) 720-2127.

Table 1-18.—Rye: Marketing year average price and value, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015	2016	2017	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Georgia	6.65	5.85	5.10	2,793	3,686	1,682
Oklahoma	8.65	7.00	5.05	17,646	13,125	5,454
Other States ¹	6.01	4.84	4.80	55,058	52,102	38,962
United States	6.50	5.12	4.50	75,497	68,913	46,098

¹ For 2015, Other States include Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin. Beginning in 2016, Other States include Illinois, Kansas, Maine, Maryland, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, Virginia, and Wisconsin.
NASS, Crops Branch, (202) 720-2127.

Table 1-19.—International Rye: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018
	<i>1,000 hectares</i>			<i>Metric tons</i>			<i>1,000 metric tons</i>		
Argentina	34	41	41	1.79	1.93	2.12	61	79	87
Australia	36	40	40	0.61	0.63	0.65	22	25	26
Belarus	250	241	256	3.01	2.70	2.62	753	651	670
Canada	95	140	97	2.38	3.11	3.30	226	436	320
European Union ...	1,961	1,915	1,942	3.99	3.89	3.82	7,833	7,440	7,423
Kazakhstan	38	36	31	0.97	1.14	1.26	37	41	39
Norway	10	5	7	6.60	4.00	6.00	66	20	42
Russia	1,249	1,251	1,172	1.67	2.03	2.17	2,084	2,538	2,544
Turkey	112	115	101	2.95	2.61	3.17	330	300	320
Ukraine	152	145	172	2.59	2.72	2.97	394	394	510
Others	38	39	39	1.39	1.59	1.46	53	62	57
Total Foreign	3,975	3,968	3,898	2.98	3.02	3.09	11,859	11,986	12,038
United States	148	168	116	1.99	2.04	2.12	295	342	246
Total	4,123	4,136	4,014	2.95	2.98	3.06	12,154	12,328	12,284

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and distribution statistics from foreign governments.

Table 1-20.—Rye: ¹ International trade, 2015/2016–2017/2018 ²

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Canada	98	142	180
European Union	161	76	75
Russia	48	9	60
Ukraine	21	12	40
Others	20	11	.....
Total Foreign	348	250	355
United States	5	4	4
Total	353	254	359
Principle importing countries:			
European Union	51	16	65
Israel	12	4	15
Japan	16	24	20
Korea, South	5	4	5
Norway	1	3	4
Russia	8	4	5
Serbia .....	.....	1	1
Switzerland	4	3	2
Others	16	2	.....
Total Foreign	113	61	117
United States	222	167	225
Total	335	228	342

¹ Flour and products reported in terms of grain equivalent. ² Year beginning July 1.
 FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-21.—Rice, rough: Area, yield, production, and value, United States, 2008–2017

Year	Area planted	Area harvested	Yield per acre	Production	Marketing year average price per cwt. received by farmers	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	2,995	2,976	6,846	203,733	16.80	3,603,460
2009	3,135	3,103	7,085	219,850	14.40	3,209,236
2010	3,636	3,615	6,725	243,104	12.70	3,183,213
2011	2,689	2,617	7,067	184,941	14.50	2,737,423
2012	2,700	2,679	7,463	199,939	15.10	3,067,365
2013	2,490	2,469	7,694	189,953	16.30	3,181,993
2014	2,954	2,933	7,576	222,215	13.40	3,075,618
2015	2,625	2,585	7,472	193,148	12.20	2,421,955
2016	3,150	3,097	7,237	224,145	10.40	2,384,690
2017	2,463	2,374	7,507	178,228	12.50	2,246,483

NASS, Crops Branch, (202) 720-2127.

Table 1-22.—Rice, rough: Stocks on and off farms, United States, 2008–2017

Year beginning previous December	On farms			Off farms ¹		
	Dec. 1	Mar. 1	Aug. 1	Dec. 1	Mar. 1	Aug. 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>
2008	48,250	22,923	395	102,815	81,623	23,981
2009	47,530	21,286	876	91,071	70,042	23,787
2010	51,880	23,465	1,200	104,726	80,516	29,176
2011	63,617	33,895	3,772	109,869	86,720	37,917
2012	41,180	23,825	910	105,689	82,666	35,052
2013	39,385	18,430	640	108,650	85,839	29,880
2014	36,935	14,995	305	96,636	73,959	26,299
2015	47,865	25,810	1,480	110,061	86,658	41,293
2016	43,245	18,255	3,762	101,804	90,507	34,983
2017	48,595	21,600	4,693	111,734	85,969	34,077

¹ Stocks at mills and in attached warehouses, in warehouses not attached to mills, and in ports or in transit.
NASS, Crops Branch, (202) 720-2127.**Table 1-23.—Rice, by length of grain: Harvest, yield, and production, United States, 2008–2017**

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
	<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>
2008	2,350	575	51	6,522	8,203	6,490	153,257	47,166	3,310
2009	2,265	786	52	6,743	8,052	7,373	152,725	63,291	3,834
2010	2,826	746	43	6,486	7,660	6,195	183,296	57,144	2,664
2011	1,739	834	44	6,691	7,861	6,880	116,352	65,562	3,027
2012	1,979	643	57	7,291	8,059	6,737	144,280	51,819	3,840
2013	1,767	655	47	7,464	8,384	6,685	131,896	54,915	3,142
2014	2,196	700	37	7,407	8,175	6,292	162,665	57,222	2,328
2015	1,848	699	38	7,219	8,160	7,121	133,401	57,041	2,706
2016	2,403	651	43	6,927	8,377	7,319	166,465	54,533	3,147
2017	1,748	587	39	7,314	8,155	6,438	127,850	47,867	2,511

NASS, Crops Branch, (202) 720-2127.

Table 1-24.—Rice, rough, by length of grain: Stocks in all positions, United States, 2008–2017

Year beginning previous December	Dec. 1	Mar. 1	Jun. 1	Aug. 1	Oct. 1 ¹
<i>1,000 cwt</i>					
Long grain					
2008	103,620	69,207	35,580	16,101	(2)
2009	96,994	64,226	34,293	17,698	372
2010	103,430	67,910	37,041	19,532	(2)
2011	123,521	86,864	54,636	32,847	(2)
2012	93,027	68,469	37,552	22,034	(2)
2013	99,111	69,313	(NA)	19,439	(2)
2014	85,149	56,125	31,622	14,010	(2)
2015	106,786	71,243	42,295	23,917	(2)
2016	91,814	66,307	36,305	19,801	(2)
2017	106,700	71,636	47,199	28,198	(2)
Medium grain					
2008	43,520	32,584	16,284	7,196	1,084
2009	37,989	24,755	12,722	6,093	938
2010	49,264	33,395	18,344	9,527	3,053
2011	46,853	31,548	15,327	7,870	1,366
2012	50,935	35,978	20,272	12,983	1,870
2013	45,349	32,558	(NA)	10,057	2,029
2014	45,086	30,481	17,294	11,631	6,691
2015	48,483	39,505	27,988	18,169	7,892
2016	50,562	40,718	26,960	18,347	3,732
2017	50,447	33,644	17,612	9,878	3,180
Short grain					
2008	3,925	2,755	1,554	1,079	(2)
2009	3,618	2,347	1,301	872	522
2010	3,912	2,676	2,023	1,317	(2)
2011	3,112	2,203	1,410	972	(2)
2012	2,907	2,044	1,282	945	(2)
2013	3,575	2,398	(NA)	1,024	(2)
2014	3,336	2,348	1,435	963	(2)
2015	2,657	1,720	1,057	687	(2)
2016	2,653	1,737	999	597	(2)
2017	3,082	2,289	1,533	694	(2)

(NA) Not available. ¹ California only. ² Not published to avoid disclosing individual reports. NASS, Crops Branch, (202) 720-2127.

Table 1-25.—Rough and milled rice (rough equivalent): Supply and disappearance, United States, 2007–2016¹

Year beginning August	Supply				Disappearance				Ending stocks July 31	
	Beginning stocks	Production	Imports ²	Total	Food, industrial, & residual ³	Seed	Total	Exports ²		Total disappearance
<i>Million cwt</i>										
2007 ...	39.3	198.4	23.9	261.6	124.1	2.8	126.8	105.3	232.1	29.5
2008 ...	29.5	203.7	19.2	252.4	124.8	2.8	127.6	94.4	222.0	30.4
2009 ...	30.4	219.9	19.0	269.3	121.3	3.1	124.4	108.3	232.8	36.5
2010 ...	36.5	243.1	18.3	297.9	134.5	2.4	136.9	112.6	249.5	48.5
2011 ...	48.5	184.9	19.4	252.8	108.4	2.4	110.8	100.9	211.7	41.1
2012 ...	41.1	199.9	21.1	262.1	116.9	2.2	119.0	106.6	225.7	36.4
2013 ...	36.4	190.0	23.1	249.5	122.0	2.4	124.4	93.3	217.6	31.8
2014 ...	31.8	222.2	24.6	278.7	132.4	2.1	134.4	96.3	230.7	48.0
2015 ...	48.5	193.1	24.1	265.8	109.9	2.5	112.4	107.0	219.3	46.5
2016 ...	46.5	224.1	23.5	294.1	129.4	2.0	131.4	116.7	248.0	46.0

¹ Consolidated supply and disappearance of rough and milled rice. Milled rice data converted to a rough basis using annually derived extraction rates as factors. ² Trade data from Bureau of the Census. ³ The residual includes unaccounted losses in transporting, processing, and marketing. ERS, Market and Trade Economics Division, (202) 694-5292.

Table 1-26.—Rice, by length of grain: Area, yield, and production, by State and United States, 2015–2017

State	Area harvested			Yield per acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
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>
Arkansas	1,050	1,390	955	7,380	6,940	7,510	77,490	96,466	71,721
California	7	9	7	6,700	7,300	7,400	469	657	518
Louisiana	351	405	366	6,990	6,660	6,720	24,535	26,973	24,595
Mississippi	149	194	114	7,110	7,180	7,400	10,594	13,929	8,436
Missouri	167	225	151	7,040	6,640	7,460	11,757	14,940	11,265
Texas	124	180	155	6,900	7,500	7,300	8,556	13,500	11,315
United States	1,848	2,403	1,748	7,219	6,927	7,314	133,401	166,465	127,850
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>
Arkansas	240	130	148	7,150	6,760	7,340	17,160	8,788	10,863
California	382	485	398	9,100	9,000	8,620	34,762	43,650	34,308
Louisiana	64	23	29	6,650	6,160	6,580	4,256	1,417	1,908
Mississippi	-	-	-	-	-	-	-	-	-
Missouri	7	6	9	6,500	6,860	7,060	455	412	635
Texas	6	7	3	6,800	3,800	5,100	408	266	153
United States	699	651	587	8,160	8,377	8,155	57,041	54,533	47,867
Short grain ¹									
	<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>
Arkansas	1	1	1	6,000	6,000	6,000	60	60	60
California	37	42	38	7,150	7,350	6,450	2,646	3,087	2,451
United States	38	43	39	7,121	7,319	6,438	2,706	3,147	2,511

¹ Sweet rice acreage included with short grain.
NASS, Crops Branch, (202) 720-2127.

Table 1-27.—Rice: Area, yield, and production, by State and United States, 2015–2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	<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>
Arkansas	1,311	1,546	1,161	1,291	1,521	1,104
California	429	541	445	426	536	443
Louisiana	420	437	400	415	428	395
Mississippi	150	195	115	149	194	114
Missouri	182	236	169	174	231	160
Texas	133	195	173	130	187	158
United States	2,625	3,150	2,463	2,585	3,097	2,374
State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Arkansas	7,340	6,920	7,490	94,710	105,314	82,644
California	8,890	8,840	8,410	37,877	47,394	37,277
Louisiana	6,940	6,630	6,710	28,791	28,390	26,503
Mississippi	7,110	7,180	7,400	10,594	13,929	8,436
Missouri	7,020	6,650	7,440	12,212	15,352	11,900
Texas	6,900	7,360	7,260	8,964	13,766	11,468
United States	7,472	7,237	7,507	193,148	224,145	178,228

NASS, Crops Branch, (202) 720-2127.

Table 1-28.—Rice: Marketing year average price and value, by State and United States, 2015–2017

State	Marketing year average price per cwt.			Value of production		
	2015	2016	2017	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Arkansas	10.90	9.39	11.50	1,032,339	988,898	950,406
California	18.40	14.30	16.40	696,937	677,734	611,343
Louisiana	11.40	10.20	11.80	328,217	289,578	312,735
Mississippi	11.00	9.55	11.40	116,534	133,022	96,170
Missouri	11.20	9.92	12.00	136,774	152,292	142,800
Texas	12.40	10.40	11.60	111,154	143,166	133,029
United States	12.20	10.40	12.50	2,421,955	2,384,690	2,246,483

NASS, Crops Branch, (202) 720-2127.

Table 1-29.—Rice, milled, by length of grain: Stocks in all positions, United States, 2008–2017

Year beginning previous December	Whole kernels (head rice)				
	Dec. 1	Mar. 1	Jun. 1	Aug. 1	Oct. 1 ¹
	Long grain				
	<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>
2008	2,638	2,546	2,015	2,065	(²)
2009	2,504	2,300	3,251	1,658	(²)
2010	2,022	2,370	2,043	2,511	(²)
2011	2,665	3,038	3,291	1,924	(²)
2012	2,699	1,856	1,906	1,550	1
2013	2,574	3,144	(NA)	1,704	(²)
2014	3,348	2,379	(³)	1,556	(²)
2015	2,308	1,952	2,523	1,792	(²)
2016	2,716	2,616	3,463	2,022	(²)
2017	2,453	2,659	2,056	1,969	(²)
	Medium grain				
	<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>
2008	958	1,735	850	508	(²)
2009	1,531	978	823	689	(²)
2010	1,496	1,472	1,188	799	454
2011	1,743	1,803	981	845	399
2012	1,406	935	1,041	496	281
2013	1,638	772	(NA)	726	(²)
2014	1,285	1,584	1,601	472	603
2015	1,694	1,139	1,662	878	1,430
2016	1,279	1,459	1,030	1,324	389
2017	1,017	971	1,292	609	(²)
	Short grain				
	<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>
2008	92	69	78	59	(²)
2009	80	69	57	51	36
2010	73	74	47	60	(²)
2011	97	62	53	45	(²)
2012	199	49	60	38	69
2013	99	64	(NA)	61	28
2014	58	48	(²)	47	(²)
2015	51	59	54	37	(²)
2016	75	62	41	40	(²)
2017	65	75	101	45	(²)

See footnote(s) at end of table.

Table 1-29.—Rice, milled, by length of grain: Stocks in all positions, United States, 2008–2017—Continued

Year beginning previous December	Broken kernels				
	Dec. 1	Mar. 1	Jun. 1	Aug. 1	Oct. 1 ¹
	Second heads				
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2008	853	852	906	488	(2)
2009	661	794	828	1,465	(2)
2010	1,374	707	961	670	(2)
2011	888	634	817	992	(2)
2012	1,037	1,021	778	870	(2)
2013	1,231	1,225	(NA)	1,104	(2)
2014	1,243	1,064	1,159	797	(2)
2015	727	1,663	1,227	1,120	(2)
2016	1,385	1,550	1,634	1,436	(2)
2017	1,777	1,924	1,222	1,588	(2)
	Screenings ³				
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2008	195	163	145	206	.....
2009	42	64	61	3	.....
2010	52	20	34	93	.....
2011	110	91	153	75	.....
2012	192	82	145	51	.....
2013	136	271	(NA)	153	.....
2014	96	118	72	92	.....
2015	118	115	153	88	.....
2016	56	61	70	33	.....
2017	82	81	76	84	.....
	Brewers				
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2008	533	239	379	249	(2)
2009	437	527	704	211	(2)
2010	662	252	247	247	(2)
2011	799	647	673	786	(2)
2012	710	551	532	573	(2)
2013	1,241	1,189	(NA)	384	(2)
2014	575	651	589	747	(2)
2015	748	941	1,153	141	(2)
2016	734	387	678	551	(2)
2017	401	510	650	798	(2)

(NA) Not available. ¹ California only; included in Second heads. ² Not published to avoid disclosing individual operations. ³ Screenings included in Second heads in California.
NASS, Crops Branch, (202) 720-2127.

Table 1-30.—Rice, rough: Support operations, United States, 2014–2017

Marketing year beginning August 1	Income support payment rates per cwt ¹	Program price levels per cwt		Put under loan		Acquired by CCC under loan program ⁴	Owned by CCC at end of marketing year
		Loan ²	Target/Reference ³	Quantity	Percentage of production		
	Dollars	Dollars	Dollars	1,000 cwt	Percent	1,000 cwt	1,000 cwt
Long grain							
2014/2015	2.10	6.50	14.00	24.8	15.25	0	0
2015/2016	2.90	6.50	14.00	18.3	13.79	0	0
2016/2017	4.36	6.50	14.00	30.2	18.16	0	0
2017/2018	2.30	6.50	14.00	17.01	13.3	0	0
Medium grain⁵							
2014/2015	0.00	6.50	14.00	17.4	29.29	0	0
2015/2016	2.80	6.50	14.00	19.7	33.29	0	0
2016/2017	3.90	6.50	14.00	17.6	30.59	0	0
2017/2018	1.90	6.50	14.00	12.2	24.20	0	0
Temperate Japonica⁶							
2014/2015	0	6.50	16.10	14.8	39.4	0	0
2015/2016	0	6.50	16.10	16.2	43.7	0	0
2016/2017	2.00	6.50	16.10	16.4	35.1	0	0
2017/2018	0	6.50	16.10	11.0	29.9	0	0

(NA) Not applicable.¹The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2012/2013-2013/14. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ² For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. ³Target applies to 2012/2013-2013/2014 and Reference applies beginning with 2014/2015. ⁴Acquisitions as of March 30, 2018. ⁵Medium Grain includes all short grain rice and medium grain rice for the marketing assistance loan program. The quantity under loan for 2014/2015 includes the medium and short grain rice in California. The medium and short grain rice in California is also shown in the Temperate Japonica section below. ⁶Temperate Japonica Rice is medium and short grain rice in California starting with the 2014/2015 crop. Prior to the 2014/2015 crop, temperate japonica rice was classified as medium grain rice for program purposes. FSA, Food Grains, (202) 720-7787.

Table 1-31.—Rice: United States exports (milled basis), by country of destination, 2015–2017¹

Country of destination	Year		
	2015	2016	2017
	Metric tons	Metric tons	Metric tons
Mexico	817,334	865,271	894,043
Haiti	403,328	418,747	508,527
Japan	334,837	346,358	302,752
Venezuela	208,787	292,035	240,063
Canada	228,092	222,370	221,833
Costa Rica	77,062	121,314	164,114
Korea, South	156,193	161,085	152,098
Jordan	90,205	102,016	146,558
Honduras	197,783	250,778	137,420
Saudi Arabia	115,900	122,551	124,913
Colombia	303,454	140,851	119,002
Guatemala	111,699	130,795	116,134
El Salvador	81,246	77,110	86,317
Libya	80,918	92,652	72,517
Turkey	107,233	77,901	58,002
Taiwan	57,014	60,334	51,181
Panama	110,833	45,330	49,684
Dominican Republic	14,349	19,442	41,367
Guinea	3,264	19,746	35,623
Iraq	93,915	93,080	33,427
Senegal	199	199	31,866
United Kingdom	30,153	30,328	30,200
Benin	8,091	13,432	27,791
Liberia	5,285	1,059	20,287
Hong Kong	1,170	4,557	18,080
Ghana	8,267	3,237	17,377
Gambia, The	0	0	16,009
Israel(*)	10,591	18,236	14,603
Burkina Faso	4,274	6,312	12,000
Rest of World	237,660	202,696	160,420
World Total	3,899,133	3,939,820	3,904,209

(*) Denotes a country that is a summarization of its component countries. ¹Year beginning Jan 1. FAS, Grain and Feed Division, (202) 720-6219. www.fas.usda.gov/grain/default.html.

Table 1-32.—International Rice, milled: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/2016	2016/2017	2017/2018
	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
Bangladesh	11,765	11,748	11,272	4.40	4.42	4.35	34,500	34,578	32,650
Brazil	2,010	1,981	1,960	5.28	6.22	6.06	7,210	8,383	8,075
Burma	6,900	7,030	7,100	2.75	2.81	2.90	12,160	12,650	13,200
China	30,210	30,178	30,176	6.89	6.86	6.91	145,770	144,953	145,989
India	43,378	43,993	43,916	3.61	3.74	3.76	104,408	109,698	110,000
Indonesia	12,100	12,240	12,250	4.71	4.78	4.76	36,200	36,858	37,000
Japan	1,586	1,570	1,557	6.64	6.81	6.69	7,670	7,780	7,586
Philippines	4,523	4,723	4,855	3.86	3.93	4.02	11,000	11,686	12,300
Thailand	9,444	10,247	10,684	2.53	2.84	2.89	15,800	19,200	20,370
Vietnam	7,704	7,714	7,760	5.73	5.68	5.97	27,584	27,400	28,943
Others	28,491	28,802	29,229	2.27	2.31	2.28	64,801	66,410	66,768
Total Foreign	158,111	160,226	160,759	2.95	2.99	3.00	467,103	479,596	482,881
United States	1,046	1,253	961	8.38	8.11	8.41	6,133	7,117	5,659
Total	159,157	161,479	161,720	2.97	3.01	3.02	473,236	486,713	488,540

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and and distribution statistics from foreign governments.

Table 1-33.—Rice, milled equivalent: International trade, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Brazil	547	830	850
Burma	1,300	3,350	3,500
Cambodia	1,050	1,150	1,250
China	271	805	1,300
India	10,240	11,772	12,800
Pakistan	4,200	3,516	4,200
Paraguay	557	500	550
Thailand	9,867	11,615	10,500
Uruguay	972	950	860
Vietnam	5,088	6,488	7,000
Others	2,813	2,589	2,815
Total Foreign	36,905	43,565	45,625
United States	3,396	3,645	2,858
Total	40,301	47,210	48,483
Principle importing countries:			
Bangladesh	217	75	3,200
China	4,800	5,300	5,500
Cote d'Ivoire	1,250	1,300	1,500
European Union	1,804	1,841	1,900
Indonesia	1,050	350	2,000
Iran	1,100	1,600	1,300
Nigeria	2,100	2,500	2,600
Philippines	1,600	1,100	1,300
Saudi Arabia	1,260	1,195	1,250
Senegal	1,020	1,100	1,150
Others	21,369	24,216	25,543
Total Foreign	37,570	40,577	47,243
United States	766	745	857
Total	38,336	41,322	48,100

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-34.—Food grains: Average price, selected markets and grades, 2008–2017¹

Calendar year ²	Kansas City			Minneapolis (rail)			Portland Wheat No. 1 Soft White	St. Louis Wheat, No. 2 Soft Red Winter (truck)
	Wheat, No. 1 Hard Winter, Ordinary Protein (rail)	Wheat, No. 1 Hard Winter, 13% protein (rail)	Wheat, No. 2 Soft Red Winter (rail)	Wheat, No. 1 Hard Amber Durum (milling) (rail)	Wheat, No. 1 Dark Northern Spring (rail), 14% protein	Rye, No. 2, 20 day delivery (truck)		
	Dollars per bushel	Dollars per bushel	Dollars per bushel	Dollars per bushel	Dollars per bushel	Dollars per bushel	Dollars per bushel	Dollars per bushel
2008	8.92	9.82	7.72	23.25	11.16	7.12	7.93	6.32
2009	5.80	6.29	5.06	.....	7.21	4.35	5.28	5.55
2010	5.90	6.58	6.03	8.75	7.79	4.58	5.45	5.36
2011	8.44	9.17	7.87	.....	11.36	.....	7.08	7.49
2012	8.47	8.96	7.25	.....	9.69	.....	7.74	7.56
2013	7.22	8.60	6.67	(NA)	8.08	(NA)	7.67	6.97
2014	7.89	7.95	5.72	(NA)	8.73	5.75	7.09	6.45
2015	6.05	6.16	4.43	(NA)	7.00	5.75	5.88	4.81
2016	4.80	5.50	3.35	(NA)	6.60	4.48	4.95	4.32
2017	5.03	6.25	3.98	(NA)	7.18	4.07	4.99	4.36

Calendar year ²	Chicago Wheat, No. 2 Soft Red Winter (rail)	Denver Wheat, No. 1 Hard Winter (truck red)	S.W. Louisiana Milled Rice		Arkansas Milled Rice		Texas Milled Rice
	Dollars per bushel	Dollars per bushel	Medium	Long	Medium	Long	Long
	Dollars per bushel	Dollars per bushel	Dollars per cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
2008	6.75	7.85	36.49	34.97	38.85	35.93	36.41
2009	4.43	5.04	39.56	24.91	40.57	26.46	27.88
2010	5.36	5.00	30.80	23.12	29.68	23.91	26.46
2011	6.83	7.36	33.47	26.20	34.99	27.10	29.25
2012	7.44	7.44	28.89	25.77	27.91	26.18	27.18
2013	6.84	7.27	30.56	28.48	28.68	28.52	29.61
2014	5.89	6.38	30.76	27.04	31.30	27.62	29.15
2015	5.08	4.77	27.88	23.30	27.41	23.35	25.31
2016	4.31	3.35	27.39	22.65	22.92	23.01	23.92
2017	4.22	3.45	22.88	22.88	23.75	22.52	23.07

(NA) Not available. ¹ Simple average of daily prices. ² For wheat and rye, crop year begins in June. For rice, crop year begins in August.
AMS, Livestock and Grain Market News branch, (202) 720-6231.

Table 1-35.—Corn: Area, yield, production, and value, United States, 2008–2017

Year	Area planted, all purposes	Corn for grain				Corn for silage			
		Area harvested	Yield per harvested acre	Production	Marketing year average price per bushel	Value of production	Area harvested	Yield per harvested acre	Production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars	1,000 acres	Tons	1,000 tons
2008 ...	85,982	78,570	153.3	12,043,203	4.06	49,104,148	5,971	18.7	111,792
2009 ...	86,382	79,490	164.4	13,067,156	3.55	46,640,936	5,605	19.3	108,221
2010 ...	88,192	81,446	152.6	12,425,330	5.18	64,529,628	5,567	19.3	107,314
2011 ...	91,936	83,879	146.8	12,313,956	6.22	76,651,242	5,935	18.4	109,091
2012 ...	97,291	87,365	123.1	10,755,111	6.89	74,155,299	7,419	15.7	116,148
2013 ...	95,365	87,451	158.1	13,828,964	4.46	61,927,548	6,281	18.8	118,296
2014 ...	90,597	83,136	171.0	14,215,532	3.70	52,951,760	6,371	20.1	128,048
2015 ...	88,019	80,753	168.4	13,601,964	3.61	49,339,261	6,237	20.4	127,311
2016 ...	94,004	86,748	174.6	15,148,038	3.36	51,304,297	6,186	20.3	125,670
2017 ...	90,167	82,703	176.6	14,604,067	3.30	48,465,485	6,434	19.9	128,356

NASS, Crops Branch, (202) 720-2127.

Table 1-36.—Corn: Area, yield, and production, by State and United States, 2015–2017

State	Area planted for all purposes			Area harvested for grain		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	260	330	250	245	315	235
Arizona	75	95	65	36	50	32
Arkansas	460	760	620	445	745	595
California	440	420	430	60	100	80
Colorado	1,100	1,340	1,460	950	1,170	1,300
Connecticut	26	25	24	(NA)	(NA)	(NA)
Delaware	170	170	180	164	164	171
Florida	80	80	75	50	40	37
Georgia	330	410	290	285	340	245
Idaho	280	340	340	70	100	115
Illinois	11,700	11,600	11,200	11,500	11,450	10,950
Indiana	5,650	5,600	5,350	5,480	5,470	5,190
Iowa	13,500	13,900	13,300	13,050	13,500	12,900
Kansas	4,150	5,100	5,500	3,920	4,920	5,200
Kentucky	1,400	1,500	1,320	1,310	1,400	1,220
Louisiana	400	620	500	390	550	490
Maine	31	31	31	(NA)	(NA)	(NA)
Maryland	440	460	480	380	400	420
Massachusetts	16	16	15	(NA)	(NA)	(NA)
Michigan	2,350	2,400	2,250	2,070	2,040	1,890
Minnesota	8,100	8,450	8,050	7,600	8,000	7,630
Mississippi	510	750	520	490	720	500
Missouri	3,250	3,650	3,400	3,080	3,500	3,250
Montana	105	115	115	50	55	65
Nebraska	9,400	9,850	9,550	9,150	9,550	9,300
Nevada	2	11	12	(NA)	(NA)	(NA)
New Hampshire	15	15	14	(NA)	(NA)	(NA)
New Jersey	80	80	77	72	71	70
New Mexico	125	120	125	40	41	43
New York	1,080	1,100	1,000	590	570	485
North Carolina	790	1,000	890	730	940	840
North Dakota	2,750	3,450	3,420	2,560	3,270	3,230
Ohio	3,550	3,550	3,400	3,260	3,300	3,130
Oklahoma	310	400	350	280	350	305
Oregon	65	80	85	30	39	44
Pennsylvania	1,340	1,400	1,350	940	950	920
Rhode Island	2	2	2	(NA)	(NA)	(NA)
South Carolina	295	375	350	260	350	325
South Dakota	5,400	5,600	5,700	5,030	5,130	5,080
Tennessee	780	880	750	730	830	710
Texas	2,300	2,900	2,450	1,970	2,550	2,240
Utah	65	80	80	17	29	20
Vermont	92	90	82	(NA)	(NA)	(NA)
Virginia	450	490	500	300	340	340
Washington	170	170	170	75	85	80
West Virginia	50	49	50	35	35	33
Wisconsin	4,000	4,050	3,900	3,000	3,220	2,930
Wyoming	85	100	95	59	69	63
United States	88,019	94,004	90,167	80,753	86,748	82,703

See footnote(s) at end of table.

Table 1-36.—Corn: Area, yield, and production, by State and United States, 2015–2017—Continued

State	Corn for grain					
	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	147.0	120.0	167.0	36,015	37,800	39,245
Arizona	210.0	215.0	195.0	7,560	10,750	6,240
Arkansas	181.0	171.0	183.0	80,545	127,395	108,885
California	157.0	185.0	167.0	9,420	18,500	13,360
Colorado	142.0	137.0	143.0	134,900	160,290	185,900
Connecticut	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Delaware	192.0	170.0	189.0	31,488	27,880	32,319
Florida	141.0	145.0	161.0	7,050	5,800	5,957
Georgia	171.0	165.0	176.0	48,735	56,100	43,120
Idaho	207.0	188.0	203.0	14,490	18,800	23,345
Illinois	175.0	197.0	201.0	2,012,500	2,255,650	2,200,950
Indiana	150.0	173.0	180.0	822,000	946,310	934,200
Iowa	192.0	203.0	202.0	2,505,600	2,740,500	2,605,800
Kansas	148.0	142.0	132.0	580,160	698,640	686,400
Kentucky	172.0	159.0	178.0	225,320	222,600	217,160
Louisiana	171.0	165.0	184.0	66,690	90,750	90,160
Maine	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maryland	164.0	152.0	172.0	62,320	60,800	72,240
Massachusetts	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan	162.0	157.0	159.0	335,340	320,280	300,510
Minnesota	188.0	193.0	194.0	1,428,800	1,544,000	1,480,220
Mississippi	175.0	166.0	189.0	85,750	119,520	94,500
Missouri	142.0	163.0	170.0	437,360	570,500	552,500
Montana	110.0	100.0	70.0	5,500	5,500	4,550
Nebraska	185.0	178.0	181.0	1,692,750	1,699,900	1,683,300
Nevada	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Hampshire	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Jersey	147.0	145.0	167.0	10,584	10,295	11,690
New Mexico	180.0	150.0	134.0	7,200	6,150	5,762
New York	143.0	129.0	161.0	84,370	73,530	78,085
North Carolina	113.0	129.0	142.0	82,490	121,260	119,280
North Dakota	128.0	158.0	139.0	327,680	516,660	448,970
Ohio	153.0	159.0	177.0	498,780	524,700	554,010
Oklahoma	129.0	121.0	126.0	36,120	42,350	38,430
Oregon	188.0	230.0	212.0	5,640	8,970	9,328
Pennsylvania	147.0	129.0	161.0	138,180	122,550	148,120
Rhode Island	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
South Carolina	93.0	127.0	136.0	24,180	44,450	44,200
South Dakota	159.0	161.0	145.0	799,770	825,930	736,600
Tennessee	160.0	151.0	171.0	116,800	125,330	121,410
Texas	135.0	127.0	140.0	265,950	323,850	313,600
Utah	173.0	175.0	176.0	2,941	5,075	3,520
Vermont	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virginia	161.0	148.0	140.0	48,300	50,320	47,600
Washington	215.0	235.0	225.0	16,125	19,975	18,000
West Virginia	148.0	145.0	152.0	5,180	5,075	5,016
Wisconsin	164.0	178.0	174.0	492,000	573,160	509,820
Wyoming	159.0	147.0	155.0	9,381	10,143	9,765
United States	168.4	174.6	176.6	13,601,964	15,148,038	14,604,067

(NA) Not available.
 NASS, Crops Branch, (202) 720-2127.

Table 1-37.—Corn: Supply and disappearance, United States, 2007–2016

Year beginning September 1	Supply				Disappearance					Ending stocks Aug. 31
	Beginning stocks	Produc- tion	Imports	Total ¹	Domestic use			Exports	Total dis- appear- ance	
					Feed and residual	Food, seed, and industrial	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>
2007	1,304	13,038	20	14,362	5,853	4,447	10,300	2,437	12,737	1,624
2008	1,624	12,043	14	13,768	5,128	5,030	10,259	1,849	12,008	1,673
2009	1,673	13,067	8	14,749	5,096	5,966	11,062	1,979	13,041	1,708
2010	1,708	12,425	28	14,161	4,770	6,432	11,202	1,831	13,033	1,128
2011	1,128	12,314	29	13,471	4,512	6,431	10,943	1,539	12,482	989
2012	989	10,755	160	11,904	4,309	6,044	10,353	730	11,083	821
2013	821	13,829	36	14,686	5,002	6,531	11,533	1,921	13,454	1,232
2014	1,232	14,216	32	15,479	5,286	6,595	11,881	1,867	13,748	1,731
2015	1,731	13,602	68	15,401	5,118	6,647	11,765	1,899	13,664	1,737
2016	1,737	15,148	57	16,942	5,470	6,885	12,355	2,294	14,649	2,293

Latest data may be preliminary or projected. ¹Total may not add due to rounding.
ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-38.—Corn: Stocks on and off farms, United States, 2008–2017

Year beginning previous December	On farms				Off farms ¹			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1 ²	Dec. 1	Mar. 1	Jun. 1	Sep. 1 ²
	<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>
2008	6,530,000	3,780,000	1,970,900	499,950	3,748,085	3,078,722	2,057,117	1,124,200
2009	6,482,000	4,085,000	2,205,400	607,500	3,590,106	2,869,145	2,056,027	1,065,811
2010	7,405,000	4,548,000	2,131,400	485,100	3,497,460	3,145,787	2,178,671	1,222,687
2011	6,302,000	3,384,000	1,681,500	314,950	3,754,769	3,139,228	1,988,832	812,695
2012	6,175,000	3,192,000	1,482,000	313,700	3,471,823	2,831,356	1,666,204	675,327
2013	4,586,000	2,669,200	1,260,100	275,000	3,446,732	2,730,726	1,506,144	546,185
2014	6,380,000	3,860,500	1,863,200	462,000	4,072,532	3,147,623	1,988,516	769,904
2015	7,087,000	4,380,000	2,275,000	593,000	4,124,380	3,369,806	2,177,988	1,138,164
2016	6,829,000	4,335,000	2,471,400	627,400	4,406,178	3,487,233	2,239,679	1,109,658
2017	7,611,000	4,908,000	2,841,400	787,000	4,772,471	3,713,992	2,387,682	1,506,303

¹Includes stocks at mills, elevators, warehouses, terminals, and processors. ²Old crop only.
NASS, Crops Branch, (202) 720-2127.

Table 1-39.—Corn: Utilization for silage, by State and United States, 2015–2017

State	Silage								
	Area harvested			Yield per acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Alabama	9	7	7	15.0	16.0	17.0	135	112	119
Arizona	38	44	32	31.0	30.0	31.0	1,178	1,320	992
Arkansas	2	2	2	15.0	15.0	19.0	30	30	38
California	375	315	345	25.5	26.5	26.5	9,563	8,348	9,143
Colorado	120	140	130	25.5	24.0	25.5	3,060	3,360	3,315
Connecticut	21	21	20	18.5	18.5	19.5	389	389	390
Delaware	4	5	7	20.0	18.0	19.5	80	90	137
Florida	25	35	35	17.0	19.0	19.0	425	665	665
Georgia	40	40	35	22.0	19.0	16.0	880	760	560
Idaho	205	235	220	29.0	30.0	30.0	5,945	7,050	6,600
Illinois	90	80	190	20.0	21.0	17.0	1,800	1,680	3,230
Indiana	90	100	135	17.0	22.0	21.0	1,530	2,200	2,835
Iowa	340	330	330	24.0	24.0	21.0	8,160	7,920	6,930
Kansas	170	150	250	18.5	19.5	21.5	3,145	2,925	5,375
Kentucky	70	80	85	20.0	19.5	20.0	1,400	1,560	1,700
Louisiana	1	1	1	14.0	17.0	20.0	14	17	20
Maine	27	28	28	18.5	19.0	18.0	500	532	504
Maryland	45	50	50	22.0	18.0	20.5	990	900	1,025
Massachusetts	13	14	12	19.0	16.0	19.0	247	224	228
Michigan	260	340	340	19.0	19.5	18.5	4,940	6,630	6,290
Minnesota	450	390	360	21.5	21.5	21.5	9,675	8,385	7,740
Mississippi	10	10	10	16.0	14.0	18.0	160	140	180
Missouri	100	80	70	14.0	15.0	15.0	1,400	1,200	1,050
Montana	50	55	25	23.0	22.0	20.0	1,150	1,210	500
Nebraska	220	240	210	20.0	19.5	19.5	4,400	4,680	4,095
Nevada	2	7	10	24.0	24.0	24.0	48	168	240
New Hampshire	14	14	13	20.0	20.0	20.0	280	280	260
New Jersey	7	5	6	21.0	16.0	19.5	147	80	117
New Mexico	83	75	80	25.0	23.0	25.0	2,075	1,725	2,000
New York	480	510	495	17.0	16.0	18.0	8,160	8,160	8,910
North Carolina	50	40	40	16.0	15.5	18.0	800	620	720
North Dakota	150	150	160	14.0	17.5	10.0	2,100	2,625	1,600
Ohio	240	210	220	20.0	15.5	20.0	4,800	3,255	4,400
Oklahoma	15	20	20	17.0	15.0	20.0	255	300	400
Oregon	34	40	40	24.0	27.0	24.0	816	1,080	960
Pennsylvania	390	440	420	20.0	17.5	21.5	7,800	7,700	9,030
Rhode Island	2	2	2	17.0	18.5	18.0	34	37	36
South Carolina	13	13	16	14.0	14.0	18.0	182	182	288
South Dakota	330	400	520	16.0	17.5	12.5	5,280	7,000	6,500
Tennessee	40	40	30	18.0	19.0	22.0	720	760	660
Texas	250	250	150	21.0	17.0	22.0	5,250	4,250	3,300
Utah	45	49	56	23.0	24.0	25.0	1,035	1,176	1,400
Vermont	88	85	76	17.0	20.0	16.5	1,496	1,700	1,254
Virginia	125	130	135	21.0	20.0	18.0	2,625	2,600	2,430
Washington	95	85	90	26.0	26.0	27.0	2,470	2,210	2,430
West Virginia	14	13	16	18.0	19.0	20.0	252	247	320
Wisconsin	970	790	880	19.5	21.0	19.0	18,915	16,590	16,720
Wyoming	25	26	30	23.0	23.0	24.0	575	598	720
United States	6,237	6,186	6,434	20.4	20.3	19.9	127,311	125,670	128,356

NASS, Crops Branch, (202) 720–2127.

Table 1-40.—Corn for grain: Marketing year average price and value, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015	2016	2017 ¹	2015	2016	2017 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Alabama	3.74	3.63	4.00	134,696	137,214	156,980
Arizona	4.98	4.73	4.35	37,649	50,848	27,144
Arkansas	4.11	3.69	3.50	331,040	470,088	381,098
California	4.39	4.69	4.20	41,354	86,765	56,112
Colorado	3.69	3.42	3.35	497,781	548,192	622,765
Delaware	3.88	4.09	3.95	122,173	114,029	127,660
Florida	3.80	3.93	4.15	26,790	22,794	24,722
Georgia	3.90	3.88	4.15	190,067	217,668	178,948
Idaho	4.71	4.44	4.25	68,248	83,472	99,216
Illinois	3.69	3.43	3.35	7,426,125	7,736,880	7,373,183
Indiana	3.92	3.63	3.45	3,222,240	3,435,105	3,222,990
Iowa	3.52	3.30	3.25	8,819,712	9,043,650	8,468,850
Kansas	3.69	3.20	3.25	2,140,790	2,235,648	2,230,800
Kentucky	3.88	3.74	3.55	874,242	832,524	770,918
Louisiana	4.00	3.70	3.70	266,760	335,775	333,592
Maryland	3.88	4.05	3.90	241,802	246,240	281,736
Michigan	3.63	3.44	3.35	1,217,284	1,101,763	1,006,709
Minnesota	3.37	3.21	3.05	4,815,056	4,956,240	4,514,671
Mississippi	4.01	3.74	3.65	343,858	447,005	344,925
Missouri	3.69	3.40	3.30	1,613,858	1,939,700	1,823,250
Montana	4.01	4.15	3.50	22,055	22,825	15,925
Nebraska	3.57	3.32	3.30	6,043,118	5,643,668	5,554,890
New Jersey	3.85	3.90	3.75	40,748	40,151	43,838
New Mexico	4.58	3.93	3.85	32,976	24,170	22,184
New York	4.01	3.90	3.85	338,324	286,767	300,627
North Carolina	4.32	4.07	4.20	356,357	493,528	500,976
North Dakota	3.28	3.01	2.90	1,074,790	1,555,147	1,302,013
Ohio	3.89	3.61	3.55	1,940,254	1,894,167	1,966,736
Oklahoma	3.93	3.39	3.40	141,952	143,567	130,662
Oregon	4.00	4.25	3.85	22,560	38,123	35,913
Pennsylvania	3.97	4.04	3.80	548,575	495,102	562,856
South Carolina	4.06	3.69	4.25	98,171	164,021	187,850
South Dakota	3.30	3.09	3.00	2,639,241	2,552,124	2,209,800
Tennessee	3.92	3.66	3.55	457,856	458,708	431,006
Texas	4.20	3.71	3.75	1,116,990	1,201,484	1,176,000
Utah	4.68	3.87	3.65	13,764	19,640	12,848
Virginia	4.05	4.00	3.80	195,615	201,280	180,880
Washington	4.30	4.71	4.25	69,338	94,082	76,500
West Virginia	3.95	3.90	3.80	20,461	19,793	19,061
Wisconsin	3.46	3.28	3.25	1,702,320	1,879,965	1,656,915
Wyoming	3.44	3.39	3.25	32,271	34,385	31,736
United States	3.61	3.36	3.30	49,339,261	51,304,297	48,465,485

¹ Preliminary.
NASS, Crops Branch, (202) 720-2127.

Table 1-41.—International Corn: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018
	<i>1,000 hectares</i>			<i>Metric tons</i>			<i>1,000 metric tons</i>		
Argentina	3,700	4,900	5,100	7.97	8.37	6.47	29,500	41,000	33,000
Brazil	16,000	17,600	16,800	4.19	5.60	4.97	67,000	98,500	83,500
Canada	1,340	1,414	1,405	10.21	9.82	10.04	13,680	13,889	14,100
China	38,119	36,768	35,445	5.89	5.97	6.09	224,632	219,552	215,891
European Union	9,252	8,566	8,372	6.35	7.22	7.44	58,748	61,888	62,277
India	8,730	9,633	9,219	2.59	2.69	2.92	22,570	25,900	26,880
Indonesia	7,207	7,509	7,230	3.60	3.67	3.71	25,971	27,575	26,800
Mexico	2,671	2,777	2,700	4.93	5.51	4.90	13,168	15,305	13,229
Russia	2,213	2,996	2,650	3.71	5.86	5.21	8,214	17,551	13,800
Ukraine	4,085	4,239	4,433	5.71	6.60	5.44	23,333	27,969	24,115
Others	54,706	55,368	56,800	2.58	2.61	2.63	140,923	144,692	149,251
Total Foreign	148,023	151,770	150,154	4.24	4.57	4.41	627,739	693,821	662,843
United States	32,680	35,106	33,469	10.57	10.96	11.08	345,506	384,778	370,960
Total	180,703	186,876	183,623	5.39	5.77	5.63	973,245	1,078,599	1,033,803

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-42.—Corn: International trade, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	21,642	25,986	24,000
Brazil	13,996	31,604	24,000
Burma	1,000	1,100	1,200
Canada	1,741	1,516	1,800
European Union	1,953	2,189	2,000
Mexico	1,559	1,539	1,300
Paraguay	1,899	1,901	2,100
Russia	4,691	5,589	5,300
South Africa	837	2,289	2,300
Ukraine	16,595	21,334	18,500
Others	5,534	6,646	5,033
Total Foreign	71,447	101,693	87,533
United States	48,229	58,270	60,963
Total	119,676	159,963	148,496
Principle importing countries:			
Algeria	4,137	4,109	4,400
Colombia	4,458	4,748	5,000
Egypt	8,722	8,773	9,400
European Union	13,792	15,023	17,000
Iran	6,600	7,800	8,000
Japan	15,201	15,169	15,200
Korea, South	10,121	9,231	9,800
Mexico	14,011	14,569	16,200
Taiwan	4,656	4,163	4,100
Vietnam	7,950	8,100	8,700
Others	47,607	42,356	47,446
Total Foreign	137,255	134,041	145,246
United States	1,716	1,450	1,016
Total	138,971	135,491	146,262

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-43.—Corn: Support operations, United States, 2008/2009–2017/2018

Marketing year beginning September 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under loan		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target/reference ³	Quantity	Percentage of production ⁴		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
2008/2009	0.28/0.00	1.95	2.63	1,074	8.9	0	0
2009/2010	0.28/0.00	1.95	2.63	934	7.1	0	0
2010/2011	0.28/0.00	1.95	2.63	801	6.4	0	0
2011/2012	0.28/0.00	1.95	2.63	574	4.6	0	0
2012/2013	0.28/0.00	1.95	2.63	368	3.4	0	0
2013/2014	0.28/0.00	1.95	2.63	460	3.3	0	0
2014/2015	0.00	1.95	3.70	574	4.0	0	0
2015/2016	0.09	1.95	3.70	746	5.5	0	0
2016/2017	0.34	1.95	3.70	880	5.8	0	0
2017/2018	0.35	1.95	3.70	985	6.7	0	0

¹The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. ²For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. ³Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴Percent of production is on a grain basis. ⁵Acquisitions as of March 30, 2018. FSA, Feed Grains and Oilseeds, (202) 720-2711.

Table 1-44.—Corn: United States exports, specified by country of destination, 2015–2017¹

Country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Mexico	11,811,586	13,793,172	14,701,298
Japan	11,049,438	11,879,771	12,401,851
Colombia	4,354,592	4,557,706	4,777,448
Korea, South	3,450,215	4,839,161	4,000,619
Peru	1,742,869	2,690,128	3,178,787
Taiwan	1,815,578	2,659,149	2,260,950
Saudi Arabia	1,150,986	1,953,149	1,573,892
Guatemala	811,608	987,278	859,355
Canada	1,262,256	887,796	836,919
Costa Rica	614,784	674,514	835,332
China	689,426	271,909	811,069
Morocco	268,286	772,927	575,272
Dominican Republic	489,391	515,249	554,240
Panama	350,050	494,891	494,518
Honduras	423,230	587,410	488,590
El Salvador	516,799	689,094	456,103
Venezuela	528,763	1,116,316	336,081
Malaysia	20,759	116,960	301,674
Jamaica	290,186	272,104	289,669
Nicaragua	188,893	317,034	257,712
South Africa	372	142,642	248,637
Netherlands	0	84,457	210,197
Chile	72,940	690,064	204,328
Cuba	26,249	220,600	203,000
Nigeria	164	152,009	199,148
Spain	66,299	85,079	185,613
Jordan	80,441	61,778	159,038
Egypt	967,744	908,053	142,159
Ireland	61,322	280,515	140,149
Rest of World	1,381,517	3,054,323	1,030,974
World Total	44,486,743	55,755,238	52,714,622

¹Data Source: U.S. Census Bureau trade data. Excludes seed, popcorn. FAS, Office of Global Analysis, (202) 720-6301.

Table 1-45.—Oats: Area, yield, production, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted ¹	Harvested				
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
2008	3,260	1,414	63.7	90,051	3.15	273,843
2009	3,349	1,340	67.9	91,043	2.02	200,997
2010	3,113	1,267	64.6	81,856	2.52	218,536
2011	2,349	875	57.3	50,126	3.49	175,523
2012	2,700	1,005	61.2	61,486	3.89	243,018
2013	2,980	1,009	64.1	64,642	3.75	239,807
2014	2,753	1,035	67.9	70,232	3.21	241,472
2015	3,088	1,276	70.2	89,535	2.12	214,575
2016	2,829	981	66.0	64,770	2.06	154,150
2017	2,588	801	61.7	49,391	2.60	139,652

¹ Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall. NASS, Crops Branch, (202) 720–2127.

Table 1-46.—Oats: Stocks on and off farms, United States, 2008–2017

Year beginning September	On farms				Off farms ¹			
	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1
2008	52,800	42,600	31,000	16,100	66,296	72,322	47,988	50,674
2009	54,500	43,000	30,200	17,480	73,875	67,629	65,250	66,619
2010	45,850	34,100	30,900	17,600	70,722	66,911	67,091	62,716
2011	30,300	24,600	26,950	14,580	47,391	54,244	59,361	53,049
2012	34,100	26,100	19,550	11,070	50,872	47,051	55,044	43,869
2013	37,150	25,650	18,900	11,380	26,339	22,394	33,726	24,957
2014	41,400	31,300	19,800	9,710	32,910	35,670	15,323	15,029
2015	47,800	36,750	20,810	15,120	46,066	45,981	38,609	38,625
2016	37,400	30,430	26,800	18,350	41,190	45,058	48,429	38,452
2017	33,950	23,300	22,320	13,540	38,039	43,166	40,885	36,790

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. NASS, Crops Branch, (202) 720–2127.

Table 1-47.—Oats: Supply and disappearance, United States, 2007–2016

Year beginning June 1	Supply				Disappearance					Ending stocks May 31 ¹
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	
					Feed and residual	Food, seed and industrial	Total			
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
2007	51	90	123	264	120	74	195	3	198	67
2008	67	90	115	271	108	75	183	3	187	84
2009	84	91	95	270	113	74	188	2	190	80
2010	80	82	85	247	103	74	177	3	180	68
2011	68	50	94	212	78	76	154	2	157	55
2012	55	61	93	209	96	76	172	1	173	36
2013	36	65	97	198	98	73	172	2	173	25
2014	25	70	109	204	71	77	148	2	150	54
2015	54	90	86	229	94	77	170	2	172	57
2016	57	65	90	212	82	76	158	3	161	50

¹ Privately held: Includes quantity under loan and farmer-owned reserve. Latest data may be preliminary or projected. Totals may not add due to rounding. ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-48.—Oats: Area, yield, and production, by State and United States, 2015–2017

State	Area planted ¹			Area harvested		
	2015	2016	2017	2015	2016	2017
	<i>1,000 acres</i>					
Alabama	55	50	40	20	20	10
Arkansas	11	11	11	8	8	8
California	120	110	110	10	11	10
Colorado	45	55	50	10	10	9
Georgia	65	45	50	25	15	15
Idaho	75	55	50	15	15	10
Illinois	40	45	35	25	20	20
Indiana ²	15	(NA)	(NA)	5	(NA)	(NA)
Iowa	125	120	115	57	43	42
Kansas	95	120	100	40	30	25
Maine	30	25	21	29	24	20
Michigan	75	65	55	50	30	40
Minnesota	280	210	170	160	120	95
Missouri	30	45	30	14	19	13
Montana	50	60	70	22	28	18
Nebraska	135	135	110	40	25	35
New York	70	90	55	40	60	35
North Carolina	35	35	35	16	9	10
North Dakota	275	290	295	140	110	80
Ohio	70	50	60	40	25	20
Oklahoma	40	65	45	7	8	16
Oregon	35	30	25	11	10	10
Pennsylvania	95	85	70	65	50	40
South Carolina	24	17	20	9	7	8
South Dakota	325	295	290	145	110	60
Texas	520	470	455	55	60	60
Utah ²	20	(NA)	(NA)	2	(NA)	(NA)
Virginia ²	12	(NA)	(NA)	4	(NA)	(NA)
Washington	18	18	16	5	7	3
Wisconsin	280	210	180	195	100	85
Wyoming	23	23	25	12	7	4
United States	3,088	2,829	2,588	1,276	981	801
	<i>Bushels</i>			<i>1,000 bushels</i>		
	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
Alabama	50.0	55.0	60.0	1,000	1,100	600
Arkansas	60.0	73.0	85.0	480	584	680
California	60.0	65.0	65.0	600	715	650
Colorado	80.0	80.0	65.0	800	800	585
Georgia	45.0	58.0	49.0	1,125	870	735
Idaho	86.0	83.0	71.0	1,290	1,245	710
Illinois	77.0	81.0	79.0	1,925	1,620	1,580
Indiana ²	59.0	(NA)	(NA)	295	(NA)	(NA)
Iowa	73.0	76.0	77.0	4,161	3,268	3,234
Kansas	65.0	57.0	54.0	2,600	1,710	1,350
Maine	80.0	71.0	67.0	2,320	1,704	1,340
Michigan	67.0	58.0	54.0	3,350	1,740	2,160
Minnesota	78.0	68.0	75.0	12,480	8,160	7,125
Missouri	65.0	60.0	65.0	910	1,140	845
Montana	53.0	47.0	47.0	1,166	1,316	846
Nebraska	67.0	60.0	49.0	2,680	1,500	1,715
New York	58.0	55.0	55.0	2,320	3,300	1,925
North Carolina	66.0	60.0	66.0	1,056	540	660
North Dakota	74.0	66.0	58.0	10,360	7,260	4,640
Ohio	63.0	74.0	70.0	2,520	1,850	1,400
Oklahoma	39.0	43.0	42.0	273	344	672
Oregon	88.0	90.0	83.0	968	900	830
Pennsylvania	55.0	67.0	58.0	3,575	3,350	2,320
South Carolina	58.0	46.0	51.0	522	322	408
South Dakota	87.0	82.0	70.0	12,615	9,020	4,200
Texas	48.0	50.0	45.0	2,640	3,000	2,700
Utah ²	85.0	(NA)	(NA)	170	(NA)	(NA)
Virginia ²	76.0	(NA)	(NA)	304	(NA)	(NA)
Washington	54.0	61.0	42.0	270	427	126
Wisconsin	72.0	66.0	59.0	14,040	6,600	5,015
Wyoming	60.0	55.0	85.0	720	385	340
United States	70.2	66.0	61.7	89,535	64,770	49,391

(NA) Not available. ¹Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.²Estimates discontinued in 2016.

NASS, Crops Branch, (202) 720-2127.

Table 1-49.—Oats: Support operations, United States, 2008/2009–2017/2018

Marketing Year beginning June 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under loan		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target/reference ³	Quantity	Percentage of production ⁴		
	Dollars	Dollars	Dollars	Million bushels	Percent	Million bushels	Million bushels
2008/2009	0.02/0.00	1.33	1.44	1.1	1.3	0	0
2009/2010	0.02/0.00	1.33	1.44	1.1	1.2	0	0
2010/2011	0.02/0.00	1.39	1.79	0.7	0.9	0	0
2011/2012	0.02/0.00	1.39	1.79	0.2	0.4	0	0
2012/2013	0.02/0.00	1.39	1.79	0.3	0.5	0	0
2013/2014	0.02/0.00	1.39	1.79	0.3	0.5	0	0
2014/2015	0.00	1.39	2.40	0.5	0.7	0	0
2015/2016	0.28	1.39	2.40	1.1	1.3	0	0
2016/2017	0.34	1.39	2.40	0.8	1.2	0	0
2017/2018	0.00	1.39	2.40	0.4	0.8	0	0

¹The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ²For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. ³Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴Percent of production is on a grain basis. ⁵Acquisitions as of March 30, 2018. FSA, Feed Grains and Oilseeds, (202) 720-2711.

Table 1-50.—Oats: Marketing year average price and value of production, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015	2016	2017 ¹	2015	2016	2017 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	4.50	3.90	3.95	4,500	4,290	2,370
Arkansas	2.95	2.15	2.80	1,416	1,256	1,904
California	3.25	3.80	2.90	1,950	2,717	1,885
Colorado	3.50	2.67	2.90	2,800	2,136	1,697
Georgia	4.10	3.60	3.65	4,613	3,132	2,683
Idaho	2.87	2.55	2.50	3,702	3,175	1,775
Illinois	2.89	2.40	3.65	5,563	3,888	5,767
Indiana ²	3.13	(NA)	(NA)	923	(NA)	(NA)
Iowa	2.57	2.52	2.65	10,694	8,235	8,570
Kansas	2.55	1.77	2.50	6,630	3,027	3,375
Maine	2.00	2.30	2.90	4,640	3,919	3,886
Michigan	1.97	2.28	2.85	6,600	3,967	6,156
Minnesota	2.01	2.02	2.25	25,085	16,483	16,031
Missouri	2.75	2.30	3.20	2,503	2,622	2,704
Montana	3.33	3.20	3.45	3,883	4,211	2,919
Nebraska	2.20	2.25	2.60	5,896	3,375	4,459
New York	2.31	2.17	2.25	5,359	7,161	4,331
North Carolina	2.60	2.20	2.60	2,746	1,188	1,716
North Dakota	2.00	2.25	2.85	20,720	16,335	13,224
Ohio	3.29	3.04	3.50	8,291	5,624	4,900
Oklahoma	2.45	2.95	2.95	669	1,015	1,982
Oregon	5.34	2.50	2.30	5,169	2,250	1,909
Pennsylvania	3.36	2.76	3.40	12,012	9,246	7,888
South Carolina	3.20	3.10	3.80	1,670	998	1,550
South Dakota	2.11	1.97	2.65	26,618	17,769	11,130
Texas	3.95	4.03	3.90	10,428	12,090	10,530
Utah ²	3.61	(NA)	(NA)	614	(NA)	(NA)
Virginia ²	2.40	(NA)	(NA)	730	(NA)	(NA)
Washington	2.52	1.77	2.00	680	756	252
Wisconsin	1.81	1.86	2.60	25,412	12,276	13,039
Wyoming	2.86	2.62	3.00	2,059	1,009	1,020
United States	2.12	2.06	2.60	214,575	154,150	139,652

(NA) Not available. ¹Preliminary. ²Estimates discontinued in 2016. NASS, Crops Branch, (202) 720-2127.

Table 1-51.—International Oats: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018
	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
Argentina	240	321	220	2.30	2.45	2.24	553	785	492
Australia	821	1,028	740	1.58	2.20	1.51	1,300	2,266	1,120
Belarus	151	146	150	3.26	2.67	3.33	492	390	500
Brazil	190	292	340	1.85	2.84	1.86	351	828	634
Canada	1,048	925	1,050	3.27	3.49	3.52	3,425	3,231	3,700
Chile	108	137	141	4.94	5.20	4.75	533	713	670
China	195	205	210	1.36	1.41	1.43	265	290	300
European Union	2,505	2,568	2,680	3.00	3.13	3.03	7,524	8,049	8,107
Russia	2,829	2,746	2,776	1.60	1.73	1.96	4,527	4,750	5,441
Ukraine	217	214	208	2.29	2.38	2.31	498	510	481
Others	671	690	700	1.90	2.07	1.92	1,278	1,427	1,345
Total Foreign	8,975	9,272	9,215	2.31	2.51	2.47	20,746	23,239	22,790
United States	516	397	324	2.52	2.37	2.21	1,300	940	717
Total	9,491	9,669	9,539	2.32	2.50	2.46	22,046	24,179	23,507

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and and distribution statistics from foreign governments.

Table 1-52. Oats: International trade, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Argentina	3	1	5
Australia	225	461	550
Brazil	2	2	5
Canada	1,571	1,642	1,650
Chile	13	34	30
European Union	213	151	200
Kazakhstan	5	13	10
Russia	19	13	30
Ukraine	43	28	10
Others			
Total Foreign	2,094	2,345	2,490
United States	29	50	35
Total	2,123	2,395	2,525
Principle importing countries:			
Canada	11	21	15
China	172	278	500
Ecuador	17	31	31
India	31	25	25
Japan	50	48	50
Korea, South	21	23	40
Mexico	103	123	129
Norway	6	3	16
South Africa	31	24	25
Switzerland	43	52	50
Others	57	49	48
Total Foreign	542	677	929
United States	1,475	1,556	1,540
Total	2,017	2,233	2,469

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-53.—Barley: Area, yield, production, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted ¹	Harvested				
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
2008	4,239	3,775	63.3	239,072	5.37	1,253,452
2009	3,568	3,114	72.8	226,603	4.66	968,676
2010	2,872	2,465	73.1	180,241	3.86	691,573
2011	2,564	2,241	69.1	154,788	5.35	808,741
2012	3,660	3,274	66.9	218,990	6.43	1,371,381
2013	3,528	3,040	71.3	216,745	6.06	1,265,798
2014	3,031	2,497	72.7	181,542	5.30	914,955
2015	3,623	3,158	69.1	218,187	5.52	1,149,831
2016	3,059	2,565	77.9	199,914	4.96	949,876
2017	2,481	1,954	72.6	141,923	4.45	614,256

¹ Barley sown for all purposes, including barley sown in the preceding fall. NASS, Crops Branch, (202) 720–2127.

Table 1-54.—Barley: Stocks on and off farms, United States, 2008–2017

Year beginning September	On farms				Off farms ¹			
	Sep. 1	Dec. 1	Mar. 1	June 1	Sep. 1	Dec. 1	Mar. 1	June 1
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
2008	127,750	77,050	28,270	9,950	81,669	95,766	82,154	58,273
2009	154,050	114,630	44,310	27,010	85,414	91,759	84,791	61,723
2010	125,070	91,660	67,370	40,440	98,818	88,720	89,985	75,059
2011	93,050	55,320	57,700	26,040	82,007	82,999	80,424	63,311
2012	112,550	72,580	26,480	9,670	85,226	85,473	67,248	50,317
2013	105,620	81,340	35,180	15,840	90,470	88,063	81,897	64,557
2014	97,820	74,510	43,830	19,110	81,997	81,625	77,734	63,145
2015	135,840	96,670	41,990	20,940	83,132	83,738	76,247	57,639
2016	130,600	99,100	57,910	27,740	99,737	93,429	79,832	74,370
2017	90,400	74,340	56,490	27,050	89,283	84,528	88,211	79,314

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. NASS, Crops Branch, (202) 720–2127.

Table 1-55.—Barley: Supply and disappearance, United States, 2007–2016

Year beginning June 1	Supply				Disappearance					Ending stocks May 31
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	
					Feed and residual	Food, seed, and industrial	Total			Total ¹
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
2007	69	210	29	308	30	169	199	41	240	68
2008	68	230	29	337	67	169	236	13	249	89
2009	89	227	17	332	47	164	211	6	216	115
2010	115	180	9	305	50	159	208	8	216	89
2011	89	155	16	260	37	155	192	9	200	60
2012	60	219	23	302	66	147	213	9	222	80
2013	80	217	19	316	66	153	219	14	234	82
2014	82	182	24	287	34	160	194	14	209	79
2015	79	218	19	315	44	158	202	11	213	102
2016	102	200	10	312	39	162	201	4	205	106

¹ Privately held: Includes quantity under loan and farmer-owned reserve. Includes quantity under loan and farmer-owned reserve. Latest data may be preliminary or projected. Totals may not add due to independent rounding. ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-56.—Barley: Area, yield, and production, by State and United States, 2015–2017

State	Area planted ¹			Area harvested		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Arizona	17	17	20	16	16	17
California	80	85	70	29	60	28
Colorado	65	80	70	63	75	68
Delaware	32	35	32	22	25	16
Idaho	610	600	530	580	580	510
Kansas ²	13	(NA)	(NA)	8	(NA)	(NA)
Maine ²	13	(NA)	(NA)	12	(NA)	(NA)
Maryland	50	50	50	35	34	27
Michigan ²	11	(NA)	(NA)	6	(NA)	(NA)
Minnesota	135	95	80	120	79	68
Montana	990	990	770	860	780	565
New York ²	11	(NA)	(NA)	9	(NA)	(NA)
North Carolina ²	19	(NA)	(NA)	14	(NA)	(NA)
North Dakota	1,120	740	520	1,050	640	395
Oregon	49	45	47	37	32	38
Pennsylvania	55	55	60	40	38	45
South Dakota ²	37	(NA)	(NA)	19	(NA)	(NA)
Utah	27	29	25	16	19	18
Virginia	46	33	30	16	12	11
Washington	115	110	95	105	93	85
Wisconsin ²	28	(NA)	(NA)	15	(NA)	(NA)
Wyoming	100	95	82	86	82	63
United States	3,623	3,059	2,481	3,158	2,565	1,954
State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Arizona	120.0	128.0	131.0	1,920	2,048	2,227
California	55.0	75.0	50.0	1,595	4,500	1,400
Colorado	130.0	129.0	132.0	8,190	9,675	8,976
Delaware	80.0	76.0	85.0	1,760	1,900	1,360
Idaho	97.0	107.0	95.0	56,260	62,060	48,450
Kansas ²	39.0	(NA)	(NA)	312	(NA)	(NA)
Maine ²	85.0	(NA)	(NA)	1,020	(NA)	(NA)
Maryland	69.0	72.0	76.0	2,415	2,448	2,052
Michigan ²	56.0	(NA)	(NA)	336	(NA)	(NA)
Minnesota	77.0	66.0	76.0	9,240	5,214	5,168
Montana	52.0	60.0	51.0	44,720	46,800	28,815
New York ²	45.0	(NA)	(NA)	405	(NA)	(NA)
North Carolina ²	72.0	(NA)	(NA)	1,008	(NA)	(NA)
North Dakota	64.0	67.0	63.0	67,200	42,880	24,885
Oregon	52.0	67.0	62.0	1,924	2,144	2,356
Pennsylvania	65.0	75.0	70.0	2,600	2,850	3,150
South Dakota ²	37.0	(NA)	(NA)	703	(NA)	(NA)
Utah	84.0	82.0	75.0	1,344	1,558	1,350
Virginia	75.0	67.0	73.0	1,200	804	803
Washington	48.0	77.0	53.0	5,040	7,161	4,505
Wisconsin ²	55.0	(NA)	(NA)	825	(NA)	(NA)
Wyoming	95.0	96.0	102.0	8,170	7,872	6,426
United States	69.1	77.9	72.6	218,187	199,914	141,923

(NA) Not available. ¹ Includes area planted in the preceding fall. ² Estimates discontinued in 2016. NASS, Crops Branch, (202) 720-2127.

Table 1-57.—Barley: Marketing year average price and value, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015	2016	2017 ¹	2015	2016	2017 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Arizona	4.15	4.06	3.91	7,968	8,315	8,685
California	4.85	4.30	4.82	7,736	19,350	6,790
Colorado	6.20	5.31	4.60	50,778	51,374	40,841
Delaware	2.80	2.64	2.90	4,928	5,016	3,740
Idaho	5.86	5.19	4.75	329,684	322,091	230,138
Kansas ²	2.55	(NA)	(NA)	796	(NA)	(NA)
Maine ²	3.90	(NA)	(NA)	3,978	(NA)	(NA)
Maryland	2.75	2.69	2.90	6,641	6,585	5,746
Michigan ²	2.90	(NA)	(NA)	974	(NA)	(NA)
Minnesota	5.34	4.18	4.33	49,342	21,795	22,481
Montana	5.82	5.12	4.34	260,270	239,616	125,345
New York ²	4.20	(NA)	(NA)	1,701	(NA)	(NA)
North Carolina ²	3.40	(NA)	(NA)	3,427	(NA)	(NA)
North Dakota	4.88	4.47	4.31	327,936	191,674	105,761
Oregon	3.13	2.66	2.99	6,022	5,703	6,479
Pennsylvania	2.84	2.85	3.10	7,384	8,123	9,293
South Dakota ²	3.25	(NA)	(NA)	2,285	(NA)	(NA)
Utah	2.97	2.36	3.08	3,992	3,677	4,118
Virginia	3.20	2.80	2.60	3,840	2,251	2,248
Washington	3.31	2.89	3.09	16,682	20,695	12,389
Wisconsin ²	5.49	(NA)	(NA)	4,529	(NA)	(NA)
Wyoming	5.99	5.54	4.70	48,938	43,611	30,202
United States	5.52	4.96	4.47	1,149,831	949,876	614,256

(NA) Not available. ¹ Preliminary. ² Estimates discontinued in 2016. NASS, Crops Branch, (202) 720-2127.

Table 1-58.—International Barley: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018
	<i>1,000 hectares</i>			<i>Metric tons</i>			<i>1,000 metric tons</i>		
Argentina	1,250	870	935	3.95	3.79	4.00	4,940	3,300	3,740
Australia	4,108	4,834	3,900	2.19	2.79	2.28	8,993	13,506	8,900
Canada	2,352	2,266	2,100	3.51	3.90	3.76	8,257	8,839	7,900
Ethiopia	944	959	1,200	2.17	2.11	1.75	2,047	2,025	2,100
European Union	12,248	12,324	12,141	5.07	4.87	4.86	62,095	59,978	59,064
Iran	1,763	1,611	1,600	1.82	1.86	1.94	3,200	3,000	3,100
Kazakhstan	2,038	1,893	2,069	1.31	1.71	1.60	2,675	3,231	3,305
Russia	8,042	7,955	7,852	2.12	2.21	2.57	17,083	17,547	20,183
Turkey	3,400	3,400	3,400	2.18	1.40	1.88	7,400	4,750	6,400
Ukraine	3,000	3,045	2,652	2.92	3.24	3.28	8,751	9,874	8,695
Others	10,393	9,098	9,412	1.88	1.84	1.89	19,583	16,759	17,782
Total Foreign	49,538	48,255	47,261	2.93	2.96	2.99	145,024	142,809	141,169
United States	1,278	1,038	791	3.72	4.19	3.91	4,750	4,353	3,090
Total	50,816	49,293	48,052	2.95	2.99	3.00	149,774	147,162	144,259

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-59.—Barley: International trade, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Argentina	3,077	2,556	2,600
Australia	5,744	9,192	6,500
Canada	1,192	1,546	2,200
European Union	10,786	5,669	5,700
Kazakhstan	816	753	1,350
Moldova	65	103	120
Russia	4,241	2,949	5,600
Serbia	54	26	50
Turkey .....	.....	14	20
Ukraine	4,412	5,354	4,300
Others	156	139	31
Total Foreign	30,543	28,301	28,471
United States	235	95	111
Total	30,778	28,396	28,582
Principle importing countries:			
Algeria	859	636	500
Brazil	547	691	550
China	5,869	8,104	8,200
European Union	292	398	500
Iran	1,700	1,200	2,981
Japan	1,155	1,197	1,200
Jordan	796	838	750
Saudi Arabia	11,200	8,100	8,000
Tunisia	561	584	600
Turkey	129	141	753
Others	5,269	5,396	3,891
Total Foreign	28,377	27,285	27,925
United States	405	210	198
Total	28,782	27,495	28,123

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-60.—Barley: Support operations, United States, 2008/2009–2017/2018

Marketing year beginning June 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under loan		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target/reference ³	Quantity	Percentage of production ⁴		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
2008/2009	0.24/0.00	1.85	2.24	6.7	2.8	0	0
2009/2010	0.24/0.00	1.85	2.24	12.7	5.6	0	0
2010/2011	0.24/0.00	1.95	2.63	6.4	3.6	0	0
2011/2012	0.24/0.00	1.95	2.63	2.8	1.8	0	0
2012/2013	0.24/0.00	1.95	2.63	3.1	1.4	0	0
2013/2014	0.24/0.00	1.95	2.63	4.2	1.9	0	0
2014/2015	0.00	1.95	4.95	3.9	2.1	0	0
2015/2016	0.00	1.95	4.95	8.3	3.8	0	0
2016/2017	0.00	1.95	4.95	9.3	4.6	0	0
2017/2018	0.45	1.95	4.95	4.7	3.3	0	0

¹The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ²For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. ³Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴Percent of production is on a grain basis. ⁵Acquisitions as of March 30, 2018.

FSA, Feed Grains and Oilseeds, (202) 720-2711.

Table 1-61.—Grains and grain products: Total and per capita civilian consumption as food, United States, 2003–2013

Calendar year ¹	Wheat			Rye		Rice (milled)	
	Total consumed ²	Per capita consumption of food products		Total consumed ²	Per capita consumption of rye flour	Total consumed ⁴	Per capita consumption
		Flour ³	Non-milled product				
	<i>Million bushels</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Million cwt.</i>	<i>Pounds</i>
2004	905	135	2.4	3.3	0.5	56.6	19.4
2005	917	134	2.4	3.3	0.5	57.1	19.4
2006	938	136	2.4	3.3	0.5	60.4	20.3
2007	948	138	2.4	3.3	0.5	61.0	20.3
2008	927	137	2.4	3.3	0.5	62.2	20.5
2009	920	135	2.3	3.3	0.5	62.6	20.4
2010	928	135	2.3	3.3	0.5	63.1	20.4
2011	925	133	2.3	3.3	0.5	(NA)	(NA)
2012	952	134	2.3	3.4	0.5	(NA)	(NA)
2013	945	135	2.3	3.4	0.3	.....	.....

Calendar year ¹	Corn						Oats		Barley	
	Total consumed ⁵	Per capita consumption of food products					Total consumed ⁶	Per capita consumption of oat food products	Total consumed ⁷	Per capita consumption of food products ⁸
		Flour and meal	Hominy and grits	Syrup	Dextrose	Starch				
	<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>
2003	986	18.3	7.4	76.2	3.1	4.6	62.4	4.7	6.5	0.7
2004	973	18.6	7.8	75.6	3.3	4.5	63.0	4.7	6.6	0.7
2005	989	18.8	8.1	74.5	3.2	4.5	62.9	4.6	6.7	0.7
2006	980	19.0	8.5	72.1	3.1	4.4	64.5	4.7	6.6	0.7
2007	958	19.1	8.9	70.0	3.0	4.4	66.0	4.7	6.7	0.7
2008 .....	.....	19.3	9.3	66.6	2.8	4.4	67.6	4.8	6.8	0.7
2009 .....	.....	19.3	9.3	.....	2.7	4.4	74.5	5.3	6.9	0.7
2010 .....	.....	19.3	9.3	.....	2.9	4.5	74.0	5.2	6.8	0.7
2011 .....	.....	19.9	9.6	.....	2.9	4.6	76.0	5.3	6.8	0.7
2012 .....	.....	19.8	9.5	.....	2.7	4.6	76.0	5.2	6.5	0.6

Estimates of corn syrup and sugar are unofficial estimates; industry data were not reported after April 1968.
 (NA) Not available. ¹Data are in marketing year; for corn, September 1-August 31; for oats and barley, June 1-May 31; and rice, August 1-July 31. Wheat, rye, syrup, and sugar are in calendar year. ²Excludes quantities used in alcoholic beverages. ³Includes white, whole wheat, and semolina flour. ⁴Does not include shipments to U.S. territories. Excludes rice used in alcoholic beverages. Includes imports and rice used in processed foods and pet foods. ⁵Includes an allowance for the quantity used as hominy and grits. This series is not adjusted for trade. ⁶Oats used in oatmeal, prepared breakfast foods, infant foods, and food products. ⁷Malt for food, breakfast food uses, pearl barley, and flour. ⁸Malt equivalent of barley food products.
 ERS, Market & Trade Economics Division, (202) 694-5290. 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 1-62.—Sorghum: Area, yield, production, and value, United States, 2008–2017

Year	Area planted for all purposes ¹	Sorghum for grain ²					Sorghum for silage		
		Area harvested	Yield per harvested acre	Production	Marketing year average price per cwt ³	Value of production ³	Area harvested	Yield per harvested acre	Production
		1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars	1,000 acres	Tons	1,000 tons
2008 ..	8,404	7,312	65.1	475,855	5.72	1,641,963	412	13.9	5,710
2009 ..	6,599	5,502	69.4	381,605	5.75	1,202,331	255	14.5	3,693
2010 ..	5,369	4,806	71.9	345,464	8.96	1,616,773	272	12.5	3,412
2011 ..	5,451	3,945	54.0	212,993	10.70	1,259,635	226	10.4	2,353
2012 ..	6,259	4,995	49.6	247,742	11.30	1,606,237	353	11.9	4,196
2013 ..	8,076	6,585	59.6	392,331	7.64	1,716,927	380	14.3	5,420
2014 ..	7,138	6,401	67.6	432,575	7.20	1,721,330	315	13.1	4,123
2015 ..	8,459	7,851	76.0	596,751	5.91	2,064,638	306	14.6	4,475
2016 ..	6,690	6,163	77.9	480,261	4.98	1,352,438	298	14.0	4,171
2017 ..	5,626	5,045	72.1	363,832	5.65	1,175,125	284	13.3	3,772

¹ Grain and sweet sorghum for all uses, including syrup. ² Includes both grain sorghum for grain, and sweet sorghum for grain or seed. ³ Based on the reported price of grain sorghum.
NASS, Crops Branch, (202) 720-2127.

Table 1-63.—Sorghum grain: Stocks on and off farms, United States, 2008–2017

Year beginning previous Dec.	On farms				Off farms ¹			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
2008	51,400	26,100	7,000	3,550	239,850	159,808	94,019	49,200
2009	54,400	32,200	12,000	4,400	243,290	173,650	90,215	50,312
2010	48,000	23,680	10,700	4,500	202,759	151,873	77,162	36,740
2011	30,500	13,020	3,140	2,030	207,168	158,027	76,894	25,420
2012	27,850	12,800	4,120	1,160	123,101	95,266	54,405	21,792
2013	17,600	10,850	2,710	602	122,247	80,685	38,398	14,551
2014	32,950	15,950	4,500	1,945	198,441	159,784	87,924	32,087
2015	30,500	9,000	2,960	1,895	192,094	110,856	31,329	16,514
2016	51,500	25,000	9,700	3,755	271,035	176,584	80,654	32,877
2017 ²	43,000	21,250	8,620	4,280	266,079	159,495	76,088	29,179

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. ² Preliminary.
NASS, Crops Branch, (202) 720-2127.

Table 1-64.—Sorghum: Supply and disappearance, United States, 2007–2016

Year beginning September 1	Supply			Disappearance					Ending stocks Aug. 31 ¹
	Beginning stocks	Production	Total	Domestic use			Exports	Total disappearance	
				Feed and residual	Food, seed and industrial	Total			
Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	
2007	32	497	530	165	45	200	277	477	53
2008	53	476	529	236	95	331	143	474	55
2009	55	382	436	141	90	231	164	395	41
2010	41	345	345	123	85	208	152	359	27
2011	27	213	213	69	85	154	63	218	23
2012	23	248	280	93	95	189	76	265	15
2013	15	392	408	93	70	163	211	374	34
2014	34	433	467	82	15	97	352	449	18
2015	18	597	620	107	104	241	342	583	37
2016	37	480	519	130	133	247	238	485	33

¹ Includes quantity under loan and farmer-owned reserve.
Latest data may be preliminary or projected. Totals may not add due to independent rounding.
ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-65.—Sorghum: Area, yield, and production, by State and United States, 2015–2017

State	Area planted for all purposes			Sorghum for grain		
				Area harvested		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Arizona ¹	24	(NA)	(NA)	4	(NA)	(NA)
Arkansas	450	47	9	440	44	7
Colorado	440	450	410	400	415	360
Georgia	50	20	20	34	10	10
Illinois	38	18	17	34	16	15
Kansas	3,400	3,100	2,600	3,200	2,950	2,450
Louisiana	77	52	15	74	46	13
Mississippi	120	13	5	115	11	4
Missouri	155	65	30	140	54	23
Nebraska	270	200	180	240	175	135
New Mexico	125	110	85	90	85	48
North Carolina ²	(NA)	45	20	(NA)	37	15
Oklahoma	440	400	315	410	370	295
South Dakota	270	270	270	220	200	170
Texas	2,600	1,900	1,650	2,450	1,750	1,500
United States	8,459	6,690	5,626	7,851	6,163	5,045
State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Arizona ¹	92.0	(NA)	(NA)	368	(NA)	(NA)
Arkansas	98.0	73	76.0	43,120	3,212	532
Colorado	55.0	50	57.0	22,000	20,750	20,520
Georgia	48.0	54	54.0	1,632	540	540
Illinois	94.0	93	83.0	3,196	1,488	1,245
Kansas	88.0	91	82.0	281,600	268,450	200,900
Louisiana	85.0	102	91.0	6,290	4,692	1,183
Mississippi	79.0	89	72.0	9,085	979	288
Missouri	94.0	95	108.0	13,160	5,130	2,484
Nebraska	96.0	102	89.0	23,040	17,850	12,015
New Mexico	47.0	41	35.0	4,230	3,485	1,680
North Carolina ²	(NA)	55	50.0	(NA)	2,035	750
Oklahoma	52.0	55	53.0	21,320	20,350	15,635
South Dakota	83.0	79	68.0	18,260	15,800	11,560
Texas	61.0	66	63.0	149,450	115,500	94,500
United States	76.0	77.9	72.1	596,751	480,261	363,832

(NA) Not available. ¹ Estimates discontinued in 2016. ² Estimates began in 2016. NASS, Crops Branch, (202) 720–2127.

Table 1-66.—Sorghum: Utilization for silage, by State and United States, 2015–2017

State	Silage								
	Area harvested			Yield per acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Arizona ¹	20	(NA)	(NA)	22.0	(NA)	(NA)	440	(NA)	(NA)
Arkansas	2	1	1	9.0	18	16.0	18	18	16
Colorado	10	10	25	14.0	9	15.0	140	90	375
Georgia	12	8	8	12.0	10	13.0	144	80	104
Illinois	2	1	1	15.0	17	12.0	30	17	12
Kansas	105	95	85	15.0	15.5	13.0	1,575	1,472	1,105
Louisiana	1	1	1	11.0	13	12.0	11	13	12
Mississippi	2	1	1	8.0	10	8.0	16	10	8
Missouri	10	9	5	19.0	17	19.0	190	153	95
Nebraska	10	10	22	12.5	14	10.0	125	140	220
New Mexico	29	18	17	12.0	13	11.0	348	234	187
North Carolina ²	(NA)	4	4	(NA)	10	10.0	(NA)	40	40
Oklahoma	15	15	12	12.0	10	18.0	180	150	216
South Dakota	18	40	37	13.5	13	11.0	243	520	407
Texas	70	85	65	14.5	14.5	15.0	1,015	1,232	975
United States	306	298	284	14.6	14.0	13.3	4,475	4,171	3,772

(NA) Not available. ¹ Estimates discontinued in 2016. ² Estimates began in 2016. NASS, Crops Branch, (202) 720–2127.

Table 1-67.—Sorghum grain: Marketing year average price and value of production, by State and United States, 2015–2017

State	Marketing year average price per cwt			Value of production		
	2015	2016	2017 ¹	2015	2016	2017 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Arizona ²	9.08	(NA)	(NA)	1,871	(NA)	(NA)
Arkansas	7.69	5.00	6.00	185,692	8,994	1,788
Colorado	5.49	4.30	5.25	67,637	49,966	60,329
Georgia	8.12	6.37	6.50	7,421	1,926	1,966
Illinois	6.48	5.41	5.90	11,598	4,508	4,113
Kansas	5.57	4.67	5.55	878,367	702,050	624,397
Louisiana	7.93	6.04	6.30	27,933	15,870	4,174
Mississippi	7.94	5.87	6.00	40,396	3,218	968
Missouri	6.69	5.20	5.40	49,303	14,939	7,512
Nebraska	5.76	4.89	5.50	74,318	48,880	37,006
New Mexico	6.70	5.57	5.90	15,871	10,870	5,551
North Carolina ³	(NA)	6.50	6.30	(NA)	7,407	2,646
Oklahoma	6.14	4.82	5.60	73,307	54,929	49,031
South Dakota	5.80	5.05	5.30	59,308	44,682	34,310
Texas	6.83	5.94	6.45	571,616	384,199	341,334
United States	5.91	4.98	5.65	2,064,638	1,352,438	1,175,125

(NA) Not available. ¹ Preliminary. ² Estimates discontinued in 2016. ³ Estimates began in 2016. NASS, Crops Branch, (202) 720–2127.

Table 1-68.—Sorghum grain: Support operations, United States, 2008/2009–2017/2018

Marketing year beginning September 1	Income support payment rates per cwt ¹	Program price levels per cwt		Put under support		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target/reference ³	Quantity	Percentage of production ⁴		
2008/2009	0.63/0.00	3.48	4.59	4.5	1.7	0	0
2009/2010	0.63/0.00	3.48	4.59	1.8	0.8	0	0
2010/2011	0.63/0.00	3.48	4.70	0.5	0.3	0	0
2011/2012	0.63/0.00	3.48	4.70	0.2	0.2	0	0
2012/2013	0.63/0.00	3.48	4.70	0.2	0.1	0	0
2013/2014	0.63/0.00	3.48	4.70	0.3	0.1	0	0
2014/2015	0.00	3.48	7.05	0.4	0.2	0	0
2015/2016	1.14	3.48	7.05	1.4	0.4	0	0
2016/2017	2.07	3.48	7.05	1.9	0.7	0	0
2017/2018	1.34	3.48	7.05	1.3	0.6	0	0

¹ The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ² For 2009/2010-2013/2014, producers who participate in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. ³ Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴ Percent of production is on a grain basis. ⁵ Acquisitions as of March 30, 2018. FSA, Feed Grains and Oilseeds, (202) 720–2711.

Table 1-69.—International Sorghum: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018
	<i>1,000 hectares</i>			<i>Metric tons</i>			<i>1,000 metric tons</i>		
Argentina	750	700	700	4.50	4.86	4.29	3,375	3,400	3,000
Brazil	579	629	655	1.78	2.97	2.86	1,032	1,865	1,870
China	574	625	675	4.79	4.78	4.74	2,750	2,985	3,200
Ethiopia	1,855	1,882	1,820	2.57	2.53	2.23	4,766	4,752	4,050
India	6,077	5,862	4,829	0.70	0.78	0.98	4,238	4,570	4,730
Mali	1,457	1,560	1,350	1.05	0.89	1.26	1,527	1,394	1,705
Mexico	1,678	1,465	1,322	3.33	3.17	3.51	5,587	4,638	4,635
Niger	3,417	3,605	3,700	0.56	0.50	0.53	1,918	1,808	1,944
Nigeria	5,899	5,816	5,800	1.19	1.18	1.13	7,005	6,887	6,550
Sudan	5,197	9,158	6,298	0.53	0.71	0.59	2,744	6,466	3,743
Others	10,183	10,495	10,613	1.30	1.18	1.21	13,265	12,357	12,858
Total Foreign	37,666	41,797	37,762	1.28	1.22	1.28	48,207	51,122	48,285
United States	3,177	2,494	2,042	4.77	4.89	4.53	15,158	12,199	9,242
Total	40,843	44,291	39,804	1.55	1.43	1.45	63,365	63,321	57,527

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-70.—Sorghum: International trade, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	494	563	500
Australia	904	279	650
Bolivia	14	4	20
China	23	34	30
Ethiopia	75	75	75
India	74	23	50
Kenya	51	81	120
Nigeria	50	100	100
Sudan	5	150	100
Ukraine	120	175	150
Others	76	39	55
Total Foreign	1,886	1,523	1,850
United States	8,683	6,041	5,842
Total	10,569	7,564	7,692
Principle importing countries:			
Chile	34	49	100
China	8,284	5,209	4,300
European Union	117	168	350
Japan	649	561	600
Kenya	84	132	150
Mexico	661	548	120
Saudi Arabia	11	4	100
South Africa	99	50	80
South Sudan	19	36	150
Sudan	200	120	150
Others	624	390	536
Total Foreign	10,782	7,267	6,636
United States	117	44	51
Total	10,899	7,311	6,687

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-71.—International Mixed grain: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018	2015/ 2016	2016/ 2017	2017/ 2018
	1,000 hectares			Metric tons			1,000 metric tons		
Bangladesh	35	35	35	0.71	0.71	0.71	25	25	25
Canada	62	78	65	2.92	2.92	2.85	181	228	185
European Union ...	4,119	3,956	3,906	3.83	3.78	3.95	15,791	14,963	15,429
Switzerland	10	10	10	6.00	6.00	6.00	60	60	60
Turkey	1	1	1	1.00	1.00	1.00	1	1	1
Total Foreign	4,227	4,080	4,017	3.80	3.74	3.91	16,058	15,277	15,700
Total	4,227	4,080	4,017	3.80	3.74	3.91	16,058	15,277	15,700

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-72.—Commercial feeds: Disappearance for feed, United States, 2007–2016

Year beginning October	Oilseed cake and meal							Total		
	Soybean	Cottonseed	Linseed	Peanut ¹	Sunflower	Canola				
	1,000 Short tons									
2007	33,232	2,589	129	116	350	2,583	36,417			
2008	30,752	1,807	210	102	369	2,524	33,240			
2009	30,639	1,755	209	91	415	1,985	33,109			
2010	30,301	2,452	209	112	281	2,969	33,354			
2011	31,541	2,406	194	109	241	3,754	34,491			
2012	28,999	2,351	199	123	241	4,259	31,913			
2013	29,515	1,797	152	130	268	4,751	31,862			
2014	32,278	2,195	212	141	212	4,891	35,038			
2015	33,118	1,774	196	144	288	4,980	35,520			
2016	33,300	2,220	195	177	317	5,081	41,290			
Year beginning October	Animal protein				Mill products ³					Total com- mercial feeds
	Tankage and meat meal	Fish meal	Dried milk ²	Total	Wheat millfeeds	Gluten feed and meal ⁴	Rice millfeeds	Alfalfa meal	Total	
	1,000 Short tons									
2007	2,367	197	356	2,920	6,863	4,560	580	225	12,228	54,148
2008	2,302	182	364	2,848	6,514	5,166	547	225	12,453	51,065
2009	2,260	178	338	2,775	6,445	5,203	574	225	12,447	50,316
2010	2,027	298	436	2,762	6,204	5,034	608	225	12,070	51,156
2011	(NA)	198	463	2,857	6,404	5,772	535	225	12,936	54,038
2012	(NA)	198	368	2,728	6,345	5,707	531	225	12,808	51,709
2013	(NA)	198	219	2,545	6,345	5,651	447	225	12,669	51,827
2014	(NA)	198	248	2,608	6,603	5,837	845	225	13,510	56,048
2015	2,594	198	248	3,041	6,513	5,921	235	225	12,894	56,434
2016	2,933	198	248	3,379	9,101	5,864	579	225	15,768	60,438

¹Year beginning August 1. ²Includes dried skim milk, and whey for feed, but does not include any milk products fed on farms. ³Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available. ⁴Adjusted for export data.

ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-73.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 2007–2016

Year beginning October	Quantity for feeding ¹						High-protein animal units	Quantity per animal unit	High protein feed prices
	Oilseed meal			Animal protein	Grain protein ³	Total			
	Soybean meal	Other oilseed meals ²	Total						
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Million units	Pounds	Index numbers 1992=100
2007	36,555	2,945	39,500	3,207	2,715	45,422	71	1,271	173
2008	33,827	2,282	36,109	3,113	3,076	42,298	71	1,193	171
2009	33,703	2,262	35,965	3,049	3,098	42,112	70	1,195	153
2010	33,331	2,814	36,145	2,950	2,998	42,093	69	1,214	177
2011	34,695	2,721	37,416	3,037	3,437	43,890	68	1,290	203
2012	31,899	2,689	34,587	2,965	3,398	40,951	68	1,212	239
2013	32,466	2,166	34,632	2,879	3,365	40,877	67	1,225	250
2014	35,506	2,546	38,052	2,929	3,476	44,456	67	1,319	191
2015	36,430	2,211	38,641	3,450	3,526	45,616	69	1,313	166
2016	36,630	2,686	39,316	3,858	3,492	46,665	71	1,316	159

Latest data may be preliminary or projected. ¹In terms of 44 percent protein soybean meal equivalent. ²Includes cottonseed, linseed, peanut meal, and sunflower meal. ³Beginning 1974, adjusted for exports of corn gluten feed and meal. ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-74.—Feed concentrates: Fed to livestock and poultry, 2007–2016

Year beginning October	Feed grains				Wheat ²	Rye ²	By-product feeds ³	Total concentrates	Grain consuming animal units	Concentrates fed per grain-consuming animal unit
	Corn ¹	Sorghum ¹	Oats ² and barley ²	Total						
	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Millions	Tons	
2007	163.9	4.6	3.2	171.7	4.9	0.1	62.0	238.8	92.7	2.58
2008	143.6	6.6	3.2	153.4	3.4	0.1	58.2	215.1	91.7	2.35
2009	142.7	3.9	3.0	149.6	3.2	0.1	57.3	210.1	92.4	2.27
2010	133.6	3.4	2.7	139.7	2.1	0.1	57.7	196.6	92.9	2.15
2011	126.3	1.9	3.0	131.3	10.8	0.1	57.7	202.9	93.1	2.18
2012	120.6	2.6	3.6	126.9	11.6	0.1	57.6	196.7	92.3	2.13
2013	140.1	2.6	3.1	145.7	1.8	0.1	57.7	206.3	90.5	2.28
2014	148.0	2.3	2.5	152.8	4.7	0.1	63.3	220.9	92.4	2.39
2015	143.2	3.0	2.7	148.9	3.5	0.1	63.6	216.1	94.2	2.29
2016	153.0	3.6	2.4	159.0	2.2	0.1	68.0	229.3	95.8	2.39

Latest data may be preliminary or projected. ¹Marketing year beginning Sept. 1. ²Marketing year beginning June 1. ³Oilseed meals, animal protein feeds, mill byproducts, and mineral supplements. ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-75.—Feed: Consumed per head and per unit of production, by class of live-stock or poultry, with quantity expressed in equivalent feeding value of corn, 2007–2016

Year beginning October	Dairy cattle			Beef cattle				Sheep and lambs	
	Milk cows		Other dairy cattle per head	Cattle on feed per head Jan. 1 ¹	Other beef cattle per head	All beef cattle per head	Cattle and calves per 100 pounds produced ²	Per head	Per 100 pounds produced ³
	Per head	Per 100 pounds milk produced							
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2007	12,949	65	6,526	9,114	5,307	5,993	1,261	1,271	1,718
2008	12,265	60	6,473	8,854	5,283	5,895	1,214	1,263	1,741
2009	12,303	59	6,425	8,942	5,269	5,896	1,227	1,260	1,680
2010	12,013	57	6,378	8,403	5,253	5,815	1,183	1,254	1,695
2011	12,030	57	6,369	8,056	5,263	5,782	1,145	1,261	1,669
2012	11,918	57	6,364	7,830	5,255	5,717	1,137	1,261	1,659
2013	12,143	56	6,434	8,677	5,314	5,891	1,143	1,269	1,631
2014	12,345	56	6,453	8,912	5,292	5,919	1,183	1,265	1,649
2015	12,224	55	6,399	8,577	5,280	5,838	1,173	1,260	1,649
2016	12,408	55	6,905	9,398	5,282	5,958	1,180	1,265	1,624

Year beginning October	Poultry								Hogs per 100 pounds produced	Horses and mules two 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		
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2007	136	47	28	1,045	11	197	86	313	574	3,832
2008	126	44	27	1,017	10	175	84	270	496	3,735
2009	119	43	26	1,077	10	180	85	293	487	3,707
2010	113	40	24	1,037	9	162	82	285	487	3,650
2011	119	42	25	1,019	10	163	79	272	486	3,663
2012	117	41	25	1,049	9	160	78	252	447	3,641
2013	119	40	26	1,156	9	165	82	255	471	3,674
2014	115	41	30	1,321	10	173	89	287	516	3,723
2015	106	43	28	1,255	10	164	85	290	483	3,695
2016	115	43	28	1,316	10	170	87	284	498	3,728

¹ Feed consumed by all cattle divided by the number on feed Jan. 1. ² 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. ³ Including wool produced.

ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-76.—Feed: Consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 2007–2016

Year beginning October	Concentrates	Harvested roughage	Pasture	Total
	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>
2007	239	80	163	482
2008	215	83	158	456
2009	210	83	156	450
2010	200	81	155	435
2011	203	76	155	434
2012	197	75	155	427
2013	206	78	149	433
2014	221	82	148	450
2015	216	81	155	452
2016	229	81	160	470

Latest data may be preliminary or projected.
ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-77.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 2007–2016¹

Year beginning October	Grain-consuming ²	Roughage-consuming ³	Grain and roughage-consuming ⁴
	1,000 units	1,000 units	1,000 units
2007	95,118	71,479	80,042
2008	92,702	70,887	78,782
2009	91,687	70,452	78,111
2010	92,411	69,352	77,720
2011	93,104	68,023	77,192
2012	92,311	67,593	76,617
2013	90,502	66,758	75,347
2014	92,433	67,413	76,532
2015	94,187	69,498	85,126
2016	95,771	70,917	80,814

Latest data may be preliminary or projected. ¹ 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. ² Livestock and poultry numbers weighted by all concentrates consumed. ³ Livestock and poultry numbers weighted by all roughage (including pasture) consumed. ⁴ Livestock and poultry numbers weighted by all feed (including pasture) fed to livestock.
ERS, Market and Trade Economics Division, (202) 694-5313.

Table 1-78.—Feed grains: Average price, selected markets and grades, 2008–2017¹

Calendar year	Kansas City			Minneapolis		
	Corn, No. 2 Yellow (truck)	Corn, No. 2 White (rail)	Sorghum, No. 2 Yellow (truck)	Corn, No. 2 Yellow	Barley, No. 3 or Better malting	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>
2008	5.12	5.32	8.41	4.76	6.81	3.91
2009	3.60	3.90	5.57	3.46	4.26	2.21
2010	4.08	4.27	6.94	3.65	4.70	2.74
2011	6.81	7.11	11.73	6.58	6.96	3.72
2012	7.17	7.29	11.81	6.87	7.06	3.67
2013	6.28	6.35	10.40	5.97	6.35	3.90
2014	4.07	4.30	7.30	3.83	6.23	4.02
2015	3.76	3.82	6.97	3.45	6.23	2.84
2016	3.49	3.93	5.59	3.18	(NA)	2.57
2017	3.43	3.62	5.61	3.19	4.70	3.43

Calendar year	Omaha: Corn, No. 2 Yellow (truck)	Chicago: Corn, No. 2 Yellow	Texas High Plains: Sorghum, No. 2 Yellow	Memphis Corn, No. 2 Yellow	St. Louis: Corn, No. 2 Yellow (truck)
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt</i>
2008	5.04	5.12	9.53	5.07	5.11
2009	3.56	3.76	6.52	3.69	3.78
2010	4.03	4.16	7.81	4.25	4.26
2011	6.72	6.78	12.64	6.85	7.08
2012	7.06	6.86	13.15	6.95	7.08
2013	6.23	5.81	10.51	6.07	6.25
2014	3.99	4.03	7.26	4.33	4.84
2015	3.66	3.68	6.72	3.87	3.87
2016	3.34	3.61	5.53	3.67	3.70
2017					

¹ Simple average of daily prices.
AMS, Livestock and Grain Market News Branch, (202) 720-6231.

Table 1-79.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 2008–2017

Year beginning October	Soybean meal	Cottonseed meal		Linseed meal	Meat meal	Fish meal	Wheat bran	Wheat middlings
	48% protein	41% protein	41% protein	34% protein	50% protein	60% protein	Kansas City	Minneapolis
	Decatur	Kansas City	Memphis	Minneapolis	Kansas City	Gulf Coast		
	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
2008	331.09	298.72	265.82	227.05	326.48	866.06	134.33	136.20
2009	347.73	293.25	265.21	231.77	334.69	861.06	90.17	89.12
2010	313.47	249.72	212.57	210.80	299.05	1,265.78	94.62	94.44
2011	333.73	310.43	275.43	242.60	342.84	1,198.89	176.20	172.74
2012	439.77	336.79	303.37	282.67	391.49	1,168.09	175.06	192.91
2013	464.61	430.80	333.42	(NA)	467.00	(NA)	129.57	182.40
2014	478.26	410.64	369.30	(NA)	456.61	1,466.28	119.45	117.43
2015	341.20	333.31	291.97	(NA)	328.33	1,531.77	98.42	93.66
2016	328.64	290.99	247.63	(NA)	275.20	1,386.72	75.10	73.51
2017	307.57	246.30	209.00	(NA)	254.17	1,291.67	75.47	69.59
Year beginning October	Wheat shorts or middlings	Wheat millrun	Gluten feed	Hominy feed	Distillers' dried grains	Alfalfa meal		
	Kansas City	Portland	21% protein	Midwest	Lawrenceburg	Dehydrated, 17% protein	Sun-cured	
			Illinois Points			Kansas City	Kansas City	
	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	
2008	134.31	185.85	.....	153.50	.....	236.28	205.77
2009	90.24	120.48	.....	100.53	114.23	224.93	189.19
2010	94.62	124.06	.....	115.61	122.77	210.36	178.16
2011	176.20	187.71	.....	206.85	202.42	254.72	243.29
2012	174.78	219.71	.....	.....	200.00	347.23	.....
2013	129.99	228.57	166.35	202.42	236.07	339.28	275.70	
2014	119.41	191.60	165.00	124.84	172.22	324.74	267.10	
2015	98.42	170.20	98.28	103.53	164.40	283.53	206.99	
2016	75.10	144.76	90.72	92.12	148.60	253.90	185.82	
2017	74.08	131.65	(NA)	95.20	(NA)	227.37	190.02	

(NA) Not available.

AMS, Livestock and Grain Market News Branch, (202) 720-6231.

Table 1-80.—International Millet: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	1,000 hectares			Metric tons			1,000 metric tons		
Burkina	1,161	1,187	1,223	0.81	0.76	0.68	946	905	828
Chad	1,098	1,225	1,100	0.54	0.59	0.64	592	726	700
China	839	857	870	2.35	2.67	2.53	1,970	2,288	2,200
Ethiopia	466	456	440	2.22	2.23	1.84	1,036	1,017	810
India	8,840	9,094	8,870	1.16	1.27	1.31	10,280	11,560	11,640
Mali	1,943	2,040	1,750	0.96	0.89	0.92	1,864	1,807	1,617
Niger	6,427	7,230	7,000	0.53	0.54	0.53	3,405	3,886	3,690
Nigeria	1,592	1,736	1,500	0.93	0.85	1.00	1,485	1,469	1,500
Senegal	922	858	850	0.81	0.76	1.03	749	651	875
Sudan	1,704	3,007	2,620	0.29	0.48	0.36	486	1,449	954
Others	3,672	3,639	3,574	0.92	0.92	0.86	3,377	3,345	3,077
Total	28,664	31,329	29,797	0.91	0.93	0.94	26,190	29,103	27,891

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-81.—Proso millet: Area, yield, production, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted	Harvested				
	1,000 acres	1,000 acres	Bushels	1,000 dollars	Dollars	1,000 dollars
2008	520	460	32.3	14,880	3.23	48,017
2009	350	265	33.5	8,875	2.87	25,460
2010	390	363	31.8	11,535	4.54	52,419
2011	370	338	27.1	9,149	6.01	54,974
2012	335	205	15.0	3,075	15.10	46,548
2013	720	638	28.9	18,436	4.61	84,915
2014	505	430	31.4	13,483	3.35	45,104
2015	445	418	33.9	14,159	2.93	41,547
2016	443	413	30.4	12,558	2.87	36,065
2017	478	404	36.1	14,567	3.06	44,575

NASS, Crops Branch, (202) 720-2127.

Table 1-82.—Proso millet: Area, yield, and production, by State and United States, 2015–2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Colorado	270	300	320	260	285	290
Nebraska	105	95	105	97	88	87
South Dakota	70	48	53	61	40	27
United States	445	443	478	418	413	404

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Colorado	34.5	27.5	38.5	8,970	7,838	11,165
Nebraska	34.0	35.0	27.0	3,298	3,080	2,349
South Dakota	31.0	41.0	39.0	1,891	1,640	1,053
United States	33.9	30.4	36.1	14,159	12,558	14,567

NASS, Crops Branch, (202) 720-2127.

Table 1-83.—Proso millet: Marketing year average price and value, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015	2016	2017	2015	2016	2017
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
Colorado	2.92	2.85	3.05	26,192	22,338	34,053
Nebraska	2.89	2.87	3.00	9,531	8,840	7,047
South Dakota	3.08	2.98	3.30	5,824	4,887	3,475
United States	2.93	2.87	3.06	41,547	36,065	44,575

NASS, Crops Branch, (202) 720-2127.

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 2-1.—Cotton: Area, yield, production, market year average price, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per pound received by farmers ²	Value of production ²
	Planted	Harvested				
	1,000 acres	1,000 acres	Pounds	1,000 bales ¹	Dollars	1,000 dollars
2008	9,471.0	7,568.7	813	12,825.4	0.491	3,023,632
2009	9,149.5	7,533.7	776	12,183.0	0.648	3,786,674
2010	10,974.2	10,698.7	812	18,101.8	0.846	7,346,868
2011	14,735.4	9,460.9	790	15,573.2	0.935	6,985,976
2012	12,264.4	9,321.8	892	17,313.8	0.757	6,291,813
2013	10,407.0	7,544.4	821	12,909.2	0.838	5,191,505
2014	11,037.4	9,346.8	838	16,319.4	0.657	5,147,241
2015	8,580.5	8,074.9	766	12,888.0	0.645	3,988,978
2016	10,072.5	9,507.8	867	17,169.9	0.705	5,813,774
2017	12,612.5	11,100.4	905	20,922.5	0.708	7,227,322

¹Value based on 480-pound net weight bale. ²Based on marketings and monthly prices received from August 1, 2017 - December 31, 2017. NASS, Crops Branch, (202) 720-2127.

Table 2-2.—Cotton: Marketing year average price per pound, and value, by State and United States, 2015–2017

State	Marketing year average price per pound			Value of production ¹		
	2015	2016	2017 ²	2015	2016	2017 ²
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
Upland:						
Alabama	0.683	0.710	0.684	181,623	240,605	265,939
Arizona	(D)	(D)	(D)	(D)	(D)	(D)
Arkansas	0.658	0.685	0.700	148,761	276,192	369,600
California	(D)	(D)	(D)	(D)	(D)	(D)
Florida	0.733	0.678	0.683	53,832	63,786	52,454
Georgia	0.695	0.720	0.736	752,268	753,408	794,880
Kansas	0.561	0.690	0.707	9,425	23,515	62,782
Louisiana	0.678	0.698	0.701	61,508	89,791	137,957
Mississippi	0.740	0.709	0.692	238,694	367,886	465,024
Missouri	0.738	0.691	0.751	141,696	187,731	261,348
New Mexico	0.543	0.618	0.507	15,638	26,104	24,336
North Carolina	0.620	0.658	0.678	156,835	108,333	239,198
Oklahoma	0.560	0.681	0.712	100,531	201,685	362,266
South Carolina	0.706	0.642	0.670	52,526	77,040	151,152
Tennessee	0.618	0.695	0.669	90,475	191,820	234,418
Texas	0.570	0.667	0.660	1,564,992	2,593,296	3,009,600
Virginia	0.583	0.617	0.670	40,017	29,616	62,712
Other States ³	0.636	0.698	0.708	134,944	207,727	251,520
United States	0.612	0.680	0.674	3,743,765	5,438,535	6,745,186
American-Pima:						
Arizona	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	(D)	(D)	(D)	(D)
New Mexico	(D)	(D)	(D)	(D)	(D)	(D)
Texas	1.070	1.070	(D)	14,381	16,949	(D)
Other States ³	1.187	1.393	1.450	230,832	358,290	482,136
United States	1.180	1.370	1.450	245,213	375,239	482,136
All:						
United States	0.645	0.705	0.708	3,988,978	5,813,774	7,227,322

(D) Withheld to avoid disclosing data for individual operations. ¹Value based on 480-pound net weight bale. ²Based on marketings and monthly prices received from August 1, 2017-December 31, 2017. ³Includes data withheld above. NASS, Crops Branch, (202) 720-2127.

Table 2-3.—Cotton: Area, yield, production, and type by State and United States, 2015–2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Upland:						
Alabama	315.0	345.0	435.0	307.0	343.0	430.0
Arizona	89.0	120.0	160.0	88.0	118.0	159.0
Arkansas	210.0	380.0	445.0	207.0	375.0	438.0
California	47.0	63.0	88.0	46.0	62.0	87.0
Florida	85.0	103.0	99.0	83.0	102.0	98.0
Georgia	1,130.0	1,180.0	1,280.0	1,120.0	1,165.0	1,270.0
Kansas	16.0	32.0	93.0	16.0	31.0	90.0
Louisiana	115.0	140.0	220.0	112.0	137.0	217.0
Mississippi	320.0	435.0	630.0	315.0	430.0	625.0
Missouri	185.0	280.0	305.0	175.0	266.0	297.0
New Mexico	35.0	47.0	66.0	31.0	41.0	46.0
North Carolina	385.0	280.0	375.0	355.0	255.0	367.0
Oklahoma	215.0	305.0	585.0	205.0	290.0	555.0
South Carolina	235.0	190.0	250.0	136.0	183.0	248.0
Tennessee	155.0	255.0	345.0	140.0	250.0	340.0
Texas	4,800.0	5,650.0	6,900.0	4,500.0	5,200.0	5,500.0
Virginia	85.0	73.0	84.0	84.0	72.0	83.0
United States	8,422.0	9,878.0	12,360.0	7,920.0	9,320.0	101,850.0
American Pima:						
Arizona	17.5	14.5	15.0	17.0	11.0	15.0
California	117.0	155.0	216.0	116.0	154.0	215.0
New Mexico	7.0	8.0	7.5	6.9	7.8	7.4
Texas	17.0	17.0	14.0	15.0	15.0	13.0
United States	158.5	194.5	252.5	154.9	187.8	250.4
All:						
United States	8,580.5	10,072.5	12,612.5	8,074.9	9,507.8	11,100.4

State	Yield per harvested acre			Production ¹		
	2014	2015	2016	2014	2015	2016
	Pounds	Pounds	Pounds	1,000 bales ²	1,000 bales ²	1,000 bales ²
Upland:						
Alabama	902	866	988	653.0	554.0	706.0
Arizona	1,579	1,511	1,525	490.0	277.0	375.0
Arkansas	1,145	1,092	1,075	787.0	471.0	840.0
California	1,834	1,722	1,897	214.0	165.0	245.0
Florida	878	885	922	192.0	153.0	196.0
Georgia	900	966	898	2,570.0	2,255.0	2,180.0
Kansas	794	1,050	1,099	48.0	35.0	71.0
Louisiana	1,154	810	939	404.0	189.0	268.0
Mississippi	1,232	1,024	1,207	1,078.0	672.0	1,081.0
Missouri	1,117	1,097	1,021	570.0	400.0	566.0
New Mexico	931	929	1,030	64.0	60.0	88.0
North Carolina	1,038	713	646	995.0	527.0	343.0
Oklahoma	615	876	1,021	269.0	374.0	617.0
South Carolina	912	547	656	528.0	155.0	250.0
Tennessee	878	1,046	1,104	494.0	305.0	575.0
Texas	644	610	748	6,175.0	5,720.0	8,100.0
Virginia	1,239	817	667	222.0	143.0	100.0
United States	826	755	855	15,753.0	12,455.0	16,601.0
American Pima:						
Arizona	993	875	851	30.0	31.0	19.5
California	1,558	1,494	1,565	500.0	361.0	502.0
New Mexico	761	904	886	8.4	13.0	14.4
Texas	840	896	1,056	28.0	28.0	33.0
United States	1,432	1,342	1,454	566.4	433.0	568.9
All:						
United States	838	766	867	16,319.4	12,888.0	17,169.9

¹ Production ginned and to be ginned. ² 480-pound net weight bales. NASS, Crops Branch, (202) 720-2127.

Table 2-4.—Cotton, American Upland: Support operations, United States, 2008/2009–2017/2018

Marketing Year beginning August 1	Income support payment rates per pound ¹	Program price levels per pound		Put under Loan		Acquired by CCC under loan program	Owned by CCC at end of marketing year
		Loan ²	Target	Quantity	Percentage of production		
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>				
2008/2009	6.67/12.58	52.00	71.25	10,002	80.7	4	0
2009/2010	6.67/1.68	52.00	71.25	8,271	70.2	0	0
2010/2011	6.67/0	52.00	71.25	11,398	64.8	0	0
2011/2012	6.67/0	52.00	71.25	7,262	49.3	1	0
2012/2013	6.67/0	52.00	71.25	8,330	50.4	0	0
2013/2014	6.67/0	52.00	71.25	3,981	32.4	0	0
2014/2015	(NA)	52.00	(NA)	7,625	48.4	0	0
2015/2016	(NA)	52.00	(NA)	6,758	54.3	0	0
2016/2017	(NA)	52.00	(NA)	9,373	56.4	0	0
2017/2018 ³	(NA)	49.49	(NA)	9,699	47.2	0	0

(NA) Not available. ¹ The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participate in the Average Crop Revenue (ACRE) program get a 20 percent reduction in their direct payment, not calculated in this table. The Agricultural Act of 2014 excludes upland cotton as a covered commodity for the Agricultural Risk Coverage and Price Loss Coverage Programs. ² For 2009/2010-2013/2014, producers who participate in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. ³ Acquisitions as of March 30, 2018.
 FSA, Fibers, Peanuts, Tobacco, (202) 401-0062.

Table 2-5.—International Cotton: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Kilograms</i>	<i>Kilograms</i>	<i>Kilograms</i>	<i>1,000 480 lb. bales</i>	<i>1,000 480 lb. bales</i>	<i>1,000 480 lb. bales</i>
Australia	312	580	530	1,989	1,520	2,013	2,850	4,050	4,900
Brazil	955	940	1,190	1,350	1,626	1,683	5,920	7,020	9,200
China	3,050	2,900	3,400	1,570	1,708	1,761	22,000	22,750	27,500
India	12,300	10,850	12,400	458	542	509	25,900	27,000	29,000
Mali	545	655	730	390	412	403	975	1,240	1,350
Mexico	133	104	209	1,544	1,602	1,621	943	765	1,556
Pakistan	2,800	2,400	2,600	544	699	687	7,000	7,700	8,200
Turkey	370	400	470	1,559	1,742	1,853	2,650	3,200	4,000
Turkmenistan	500	545	545	631	529	543	1,450	1,325	1,360
Uzbekistan	1,285	1,180	1,250	644	687	688	3,800	3,725	3,950
Others	5,133	5,306	5,577	2	2	2	9,780	10,683	11,771
Total foreign	27,383	25,860	28,901	3	3	4	83,268	89,458	102,787
United States	3,268	3,848	4,492	859	972	1,014	12,888	17,170	20,923
Total	30,651	29,708	33,393	3	4	4	96,156	106,628	123,710

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

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Table 2-6.—Cotton: United States exports by country of destination, 2015–2017

Country of destination	Year		
	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cotton linters:			
Japan	6,330	2,010	11,088
China	11,305	3,626	6,473
Spain	2,162	4,233	1,760
Germany(*)	669	955	1,123
France(*)	197	149	151
Argentina	-	2	100
Korea, South	-	-	76
Bahamas, The	-	-	49
Brazil	16	-	47
Canada	53	53	45
United Kingdom	-	79	35
Turkey	10	-	31
Chile	5	10	31
Indonesia	-	-	15
Venezuela	-	8	13
Sweden	12	23	10
Vietnam	12	20	9
Trinidad and Tobago	52	-	8
Costa Rica	-	-	6
Israel(*)	-	-	5
Netherlands	-	-	5
United Arab Emirates	-	6	4
Guatemala	14	8	4
Nigeria	-	-	3
Barbados	10	-	-
Belgium-Luxembourg(*)	137	-	-
Czech Republic	7	-	-
Jamaica	10	-	-
Mexico	128	140	-
Rest of World	40	25	-
World Total	21,170	11,348	21,088
Cotton <1:			
Vietnam	628	4,390	15,417
China	2,189	2,312	15,128
Indonesia	-	1,127	12,510
Turkey	3,818	1,707	12,359
Taiwan	3,893	12,121	8,383
Thailand	3,695	7,064	6,196
Japan	2,726	2,524	3,043
Mexico	1,021	937	1,028
Pakistan	-	39	949
Korea, South	83	255	681
Bangladesh	-	-	635
India	-	28	571
Italy(*)	1	196	450
Germany(*)	-	20	440
Malaysia	-	-	415
Switzerland(*)	-	173	397
Belgium-Luxembourg(*)	-	5	317
Argentina	-	-	241
Austria	97	99	139
Guatemala	122	-	119
Dominican Republic	-	94	93
United Arab Emirates	-	-	41
Chile	-	11	21
Bahrain	-	1	20
Brazil	-	134	19
Hong Kong	-	-	7
Australia(*)	-	3	7
Jordan	-	-	5
Poland	-	-	4
Rest of World	255	698	6
World Total	18,527	33,937	79,638

See footnote(s) at end of table.

Table 2-6.—Cotton: United States exports by country of destination, 2015–2017—Continued

Country of destination	Year		
	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cotton >1 <1 1/8:			
Vietnam	222,099	295,022	321,959
Mexico	205,645	195,341	195,692
Turkey	145,821	122,538	116,719
China	173,830	83,817	102,947
Indonesia	110,575	89,481	93,382
Pakistan	20,729	22,105	53,340
Thailand	34,640	33,472	46,325
Guatemala	32,784	35,763	31,808
Bangladesh	22,804	27,690	30,798
Taiwan	39,873	39,414	26,394
Korea, South	32,733	11,957	15,521
India	10,315	12,531	15,378
Malaysia	15,327	11,502	15,024
Japan	12,973	14,945	12,488
Colombia	17,488	14,167	12,304
Brazil	-	10,003	11,812
El Salvador	17,786	9,732	10,655
Peru	14,967	8,279	10,620
Philippines	7,202	6,859	7,739
Ecuador	4,983	6,628	3,785
Portugal	-	-	2,485
Bahrain	853	1,794	764
Sri Lanka	319	695	594
Morocco	10,290	-	585
Honduras	1,692	102	392
Belgium-Luxembourg(*)	180	138	304
Egypt	1,480	-	295
Germany(*)	66	-	196
Singapore	-	-	163
Rest of World	5,603	5,012	527
World Total	1,163,056	1,058,985	1,140,994
Pima >= 1 3/8:			
India	12,362	37,926	34,327
China	12,870	25,759	28,410
Vietnam	1,276	3,589	4,649
Peru	3,630	2,366	3,946
Indonesia	480	2,031	3,210
Japan	1,566	1,276	3,084
Pakistan	5,225	2,972	2,717
Thailand	4,166	943	2,097
Egypt	1,647	3,125	1,920
Bangladesh	-	-	1,109
Austria	-	199	785
Turkey	1,725	3,075	548
Korea, South	61	453	483
Taiwan	801	134	455
Mexico	78	217	306
Malaysia	76	-	296
Colombia	136	174	134
Italy(*)	135	97	78
United Kingdom	20	19	67
El Salvador	-	-	41
Germany(*)	1,680	1,247	39
Guatemala	21	20	39
Chile	-	-	2
Singapore	-	-	2
Ireland	-	-	1
Australia(*)	-	-	0
Spain	-	-	2
Belgium-Luxembourg(*)	-	2	-
Brazil	1	137	-
Rest of World	486	215	-
World Total	48,443	85,977	88,747

See footnote(s) at end of table.

Table 2-6.—Cotton: United States exports by country of destination, 2015–2017—Continued

Country of destination	Year		
	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cotton Other > 1 1/8:			
China	288,477	194,002	379,133
Vietnam	207,948	234,875	286,047
Turkey	150,081	204,449	280,755
Indonesia	78,209	127,062	178,495
India	25,444	62,082	158,954
Korea, South	118,195	91,429	125,690
Bangladesh	17,301	30,581	119,602
Pakistan	46,682	104,339	115,201
Thailand	58,645	57,677	63,010
Taiwan	35,333	32,249	45,896
Peru	34,106	26,947	34,111
Malaysia	15,222	15,717	32,484
Mexico	9,575	20,082	28,226
Egypt	18,185	12,340	14,808
Brazil	20	20,163	14,321
Ecuador	4,759	6,202	11,118
Guatemala	3,543	6,462	9,422
Colombia	4,505	8,496	8,666
Japan	7,015	7,668	8,490
Costa Rica	8,497	11,248	7,423
Philippines	3,796	1,057	4,510
Venezuela	1,358	676	2,656
Bahrain	1,686	2,291	2,624
Honduras	2,008	2,409	2,516
El Salvador	2,636	3,818	2,269
Italy(*)	3,976	874	1,611
Germany(*)	1,685	1,347	908
Tunisia	-	137	799
Nicaragua	-	1,310	717
Rest of World	17,250	1,646	3,572
World Total	1,166,137	1,289,635	1,944,034

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
 FAS, Office of Global Analysis, (202) 720-6301.

Table 2-7.—Cotton excluding linters: United States exports and imports for consumption, by country of origin, 2014–2016

Country of origin	Year beginning August		
	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Exports:			
Vietnam	214,697	218,744	431,952
Turkey	428,171	425,149	301,445
China	1,076,103	518,029	477,366
Indonesia	138,703	167,108	189,264
Mexico	218,857	209,870	216,318
Pakistan	96,283	39,359	72,636
India	31,783	30,083	48,122
Korea, South	86,220	102,342	151,073
Thailand	86,572	89,582	101,146
Taiwan	68,190	67,543	79,901
Bangladesh	50,465	45,382	40,105
Guatemala	21,766	29,955	36,469
Peru	59,968	62,082	52,703
Brazil	13,750	11,139	21
Malaysia	15,101	3,902	30,624
Japan	26,275	26,410	24,279
Colombia	28,611	23,474	22,129
Egypt	13,782	10,033	21,312
El Salvador	25,873	19,574	20,422
Ecuador	20,473	10,303	9,742
Costa Rica	77	1,231	8,527
Philippines	7,156	8,402	11,191
Bahrain	2,393	716	2,539
Venezuela	1,253	2,151	4,248
Honduras	3,135	3,453	3,838
Germany(*)	5,905	3,856	3,431
Italy(*)	1,587	1,810	4,560
Nicaragua	87	176	1,464
Spain	1,673	5,593	7,432
Rest of World	45,328	29,324	21,906
World Total	2,790,237	2,166,771	2,396,162
Imports:			
Brazil	0	0	0
India	21	207	1,062
Egypt	1,096	1,440	954
Kazakhstan	0	0	0
Tajikistan	0	0	0
Germany(*)	0	21	14
France(*)	0	0	33
Taiwan	0	0	0
Turkey)	965	1,171	537
Mexico	14	0	1
China	1	0	0
Japan	-	0	-
South Africa	0	0	0
United Kingdom	0	0	0
Canada	0	0	0
Hong Kong	0	-	0
Italy(*)	0	0	0
Kyrgyzstan	20	0	0
Pakistan	37	56	59
Sweden	0	0	-
Zambia	94	0	0
World Total	2,248	2,894	2,660

(*) Denotes a country that is a summarization of its component countries.
 All zeroes for a data item may show that statistics exist in the other import type.
 Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics.

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Table 2-8.—Cotton: International trade, 2015/2016–2017/2018¹

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales²</i>
Principle exporting countries:			
Australia	2,828	3,727	4,000
Benin	700	625	750
Brazil	4,314	2,789	4,175
Burkina	1,300	1,050	1,050
Cote d'Ivoire	780	625	650
Greece	959	1,022	1,075
India	5,764	4,550	5,200
Mali	1,000	1,100	1,100
Turkmenistan	1,250	850	700
Uzbekistan	2,200	1,500	1,100
Others	4,623	4,646	4,969
Total foreign	25,718	22,484	24,769
United States	9,153	14,917	16,200
Total	34,871	37,401	40,969
Principle importing countries:			
Bangladesh	6,375	6,800	7,600
China	4,406	5,032	5,500
India	1,072	2,736	1,700
Indonesia	2,941	3,391	3,550
Korea, South	1,175	1,025	900
Mexico	975	1,000	925
Pakistan	3,300	2,400	3,400
Thailand	1,275	1,226	1,125
Turkey	4,218	3,679	4,000
Vietnam	4,600	5,500	6,900
Others	5,072	4,857	5,162
Total foreign	35,409	37,646	40,762
United States	33	7	5
Total	35,442	37,653	40,767

¹ Marketing year beginning Aug. 1. ² 480-pound net weight.
 FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 2-9.—Sugarbeets: Area, yield, production, and value, United States, 2008–2017 ¹

Year	Area		Yield per harvested acre	Production	Marketing year average price per ton received by farmers	Value of production
	Planted	Harvested				
	1,000 acres	1,000 acres	tons	1,000 tons		1,000 dollars
2008	1,090.7	1,004.5	26.8	26,881	48.10	1,294,144
2009	1,185.8	1,148.5	25.9	29,783	51.50	1,532,634
2010	1,171.9	1,156.1	27.7	32,034	66.90	2,142,162
2011	1,232.8	1,213.2	23.8	28,896	69.40	2,004,116
2012	1,230.1	1,204.1	29.3	35,224	66.40	2,338,789
2013	1,198.0	1,154.0	28.4	32,789	46.60	1,526,821
2014	1,162.5	1,146.3	27.3	31,285	46.00	1,440,068
2015	1,159.8	1,145.4	30.9	35,371	47.20	1,669,310
2016	1,163.4	1,126.4	32.8	36,920	35.50	1,311,851
2017	1,131.2	1,114.1	31.7	35,317	(²)	(²)

¹Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California. ²2017 data was not available at the time of this printing. NASS, Crops Branch, (202) 720–2127.

Table 2-10.—Sugarbeets: Area, yield, and production, by State and United States, 2015–2017

State	Area planted			Area harvested			Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017
	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
California ¹ ...	24.7	25.3	24.8	24.7	25.2	24.7	44.7	44.3	43.5	1,104	1,137	1,066
Colorado	27.5	28.1	29.4	27.3	27.6	29.0	35.1	33.6	35.7	958	927	1,035
Idaho	174.0	172.0	167.0	172.0	170.0	166.0	38.3	41.4	39.2	6,588	7,038	6,507
Michigan	152.0	151.0	144.0	151.0	149.0	143.0	31.7	30.8	25.2	4,787	4,589	3,604
Minnesota	443.0	437.0	420.0	435.0	417.0	409.0	28.0	30.0	30.6	12,180	12,510	12,515
Montana	44.0	45.6	42.9	43.7	45.3	42.7	33.0	35.0	32.7	1,442	1,586	1,396
Nebraska	47.5	48.0	46.1	46.8	47.2	45.2	28.4	29.9	31.8	1,329	1,411	1,437
North Dakota	208.0	213.0	214.0	206.0	203.0	212.0	27.9	30.8	30.4	5,747	6,242	6,445
Oregon	7.8	10.7	9.1	7.7	10.2	9.1	38.6	42.0	36.7	297	428	334
Washington ²	(NA)	2.0	1.8	(NA)	1.9	1.8	(NA)	47.9	48.2	(NA)	91	87
Wyoming	31.3	30.7	32.1	31.2	30.0	31.6	30.1	31.7	28.2	939	951	891
United States	1,159.8	1,163.4	1,131.2	1,145.4	1,126.4	1,114.1	30.9	32.7	31.7	35,371	36,920	35,317

(NA) Not available. ¹Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California. ²Estimates began in 2016. NASS, Crops Branch, (202) 720–2127.

Table 2-11.—Sugarbeets: Production and value, by State and United States, 2016–2017

State	Production		Marketing year average price per ton received by farmers		Value of production	
	2016	2017	2016	2017 ¹	2016	2017 ¹
	1,000 tons	1,000 tons	Dollars	Dollars	1,000 dollars	1,000 dollars
California ²	1,137	1,066	46.90	.....	53,325	.....
Colorado	927	1,035	26.50	.....	24,566	.....
Idaho	7,038	6,507	43.20	.....	304,042	.....
Michigan	4,589	3,604	29.50	.....	135,376	.....
Minnesota	12,510	12,515	33.80	.....	422,838	.....
Montana	1,586	1,396	36.60	.....	58,048	.....
Nebraska	1,411	1,437	25.90	.....	36,545	.....
North Dakota	6,252	6,445	36.60	.....	228,823	.....
Oregon	428	334	43.20	.....	18,490	.....
Washington	91	87	43.20	.....	3,931	.....
Wyoming	951	891	27.20	.....	25,867	.....
United States	36,920	35,317	35.50	.....	1,311,851	.....

¹2017 data was not available at the time of this printing. ²Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California. NASS, Crops Branch, (202) 720–2127.

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Table 2-12.—Sugarcane for sugar and seed: Area, yield, production, and value, United States, 2008–2017

Year	Area harvested			Yield per acre ¹			Production ¹		
	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
2008	821.6	46.4	868.0	31.8	31.7	31.8	26,131	1,472	27,603
2009	817.0	56.9	873.9	34.9	34.1	34.8	28,494	1,938	30,432
2010	825.3	52.2	877.5	31.1	32.5	31.2	25,663	1,697	27,360
2011	827.1	45.5	872.6	33.5	32.7	33.5	27,738	1,486	29,224
2012	854.9	47.5	902.4	35.7	36.4	35.7	30,500	1,727	32,227
2013	859.6	51.2	910.8	33.8	33.9	33.8	29,023	1,521	30,761
2014	823.7	44.8	868.5	35.1	34.1	35.0	28,895	1,529	30,424
2015	831.1	43.6	874.7	36.8	35.9	36.7	30,535	1,567	32,122
2016	853.2	49.9	903.1	35.6	35.0	35.6	30,371	1,747	32,118
2017	851.5	52.6	904.1	36.6	39.1	36.8	31,182	2,056	33,238

Year	Marketing year average price per ton received by farmers	Value of production	
		Of cane used for sugar	Of cane used for sugar and seed ²
	Dollars	1,000 dollars	1,000 dollars
2007	29.40	831,218	880,616
2008	29.50	771,134	814,479
2009	34.80	991,424	1,056,613
2010	41.70	1,069,537	1,140,636
2011	47.20	1,308,951	1,379,498
2012	41.90	1,276,631	1,348,361
2013	31.40	910,377	962,807
2014	34.70	1,002,138	1,054,657
2015	31.20	953,328	1,000,620
2016	32.60	990,209	1,043,953
2017 ³ .....	.....	.....	.....

¹ Net tons. ² Price per ton of cane for sugar used in evaluating value of production for seed. ³ 2017 data was not available at the time of this printing.
 NASS, Crops Branch, (202) 720-2127.

Table 2-13.—Sugarcane for sugar and seed: Production and value, by State and United States, 2015–2016

State	Sugarcane for sugar						Sugar and seed: Value of production ¹	
	Production ²		Price per ton		Value of production		2015	2016
	2015	2016	2015	2016	2015	2016		
	1,000 tons	1,000 tons	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Florida	16,915	16,120	35.60	38.70	602,174	623,844	628,447	654,185
Hawaii	1,139	1,336	40.70	40.70	46,357	54,375	48,148	54,375
Louisiana	11,396	11,520	24.70	24.60	281,481	283,392	299,759	305,360
Texas	1,105	1,395	21.10	20.50	23,316	28,598	24,266	30,033
United States	30,555	30,371	31.20	32.60	953,328	990,209	1,000,620	1,043,953

¹ Price per ton of cane for sugar used in evaluating value of production for seed. ² Net tons.
 NASS, Crops Branch, (202) 720-2127.

Table 2-14.—Sugarcane for sugar and seed: Area, yield, and production, by State and United States, 2015–2017

State	Area harvested			Yield per acre ¹			Cane production ¹		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
For sugar:									
Florida	398.0	400.0	397.0	42.5	40.3	40.9	16,915	16,120	16,237
Hawaii	12.9	15.5	(NA)	88.3	86.2	(NA)	1,139	1,336	(NA)
Louisiana	385.0	400.0	414.0	29.6	28.8	32.5	11,396	11,520	13,455
Texas	35.2	37.7	40.5	31.4	37.0	36.8	1,105	1,395	1,490
United States	831.1	853.2	851.5	36.8	35.6	36.6	30,555	30,371	31,182
For seed:									
Florida	15.0	17.0	15.7	49.2	46.1	44.9	738	784	705
Hawaii	2.2	-	(NA)	20.0	-	(NA)	44	-	(NA)
Louisiana	25.0	31.0	35.6	29.6	28.8	36.2	740	893	1,289
Texas	1.4	1.9	1.3	32.1	37.0	48.0	45	70	62
United States	43.6	49.9	52.6	35.9	35.0	39.1	1,567	1,747	2,056
For sugar and seed:									
Florida	413.0	417.0	412.7	42.7	40.5	41.1	17,653	16,904	16,942
Hawaii	15.1	15.5	(NA)	78.3	86.2	(NA)	1,183	1,336	(NA)
Louisiana	410.0	431.0	449.6	29.6	28.8	32.8	12,136	12,413	14,744
Texas	36.6	39.6	41.8	31.4	37.0	37.1	1,150	1,465	1,552
United States	874.7	903.1	904.1	36.7	35.6	36.8	32,122	32,118	33,238

¹ Net tons.
NASS, Crops Branch, (202) 720-2127.

Table 2-15.—Sugar, cane (raw value¹): Refiners' raw stocks, receipts, meltings, continental United States, 2008–2018

Year	Jan. 1 stocks	Receipts ²	Meltings
	1,000 tons	1,000 tons	1,000 tons
2008	304	5,494	5,329
2009	468	5,455	5,577
2010	346	5,754	5,843
2011	257	5,776	5,534
2012	498	5,880	5,805
2013	574	5,956	5,938
2014	592	6,099	6,135
2015	556	6,319	6,552
2016	322	6,473	6,434
2017	362		
2018	595		

¹ Raw value is the equivalent in terms of 96° sugar. ² 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.
FSA, Dairy and Sweeteners Analysis, (202) 720-3451.

Table 2-16.—Sugar, cane and beet: Domestic marketings, by source of supply, continental United States, 2014–2016

Area of supply	2014	2015	2016
	1,000 tons	1,000 tons	1,000 tons
Domestic areas			
Mainland (beet)	4,884	4,567	4,832
Mainland and Hawaii (cane)	3,695	3,920	3,859
Total domestic areas	8,579	8,487	8,692

FSA, Dairy and Sweeteners Analysis Division, (202) 720-3451. Source: U.S. Census.

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Table 2-17.—Sugar, cane and beet (refined): Stocks, production, and food use deliveries, continental United States, 2007–2016

Item and year	Cane refiners	Sugarbeet processors	Importers of direct consumption sugar	Mainland cane processors ¹	Total
1,000 short tons, raw value					
Stocks as of Jan. 1 ²					
2007	452	1,792	0	3	2,247
2008	400	1,806	0	4	2,210
2009	440	1,464	0	5	1,909
2010	484	1,456	0	8	1,947
2011	466	1,691	0	4	2,161
2012	315	1,597	0	6	1,918
2013	388	2,013	0	3	2,404
2014	572	1,603	0	5	2,180
2015	351	1,589	0	4	1,944
2016	413	1,889	0	4	2,307
Sugar Production					
2007	5,377	4,914	0	21	10,312
2008	5,146	4,558	0	28	9,732
2009	5,577	4,339	0	34	9,949
2010	5,833	4,758	0	23	10,615
2011	5,476	4,561	0	19	10,056
2012	5,841	5,070	0	16	10,927
2013	5,883	4,881	0	17	10,781
2014	6,106	4,895	0	10	11,012
2015	6,528	4,878	0	42	11,448
2016	6,419	4,990	0	82	11,491
Food and Beverage Deliveries ³					
2007	5,102	4,707	733	20	10,563
2008	5,048	4,867	773	27	10,715
2009	5,462	4,324	667	32	10,485
2010	5,615	4,514	904	20	11,054
2011	5,554	4,552	995	17	11,118
2012	5,630	4,633	977	18	11,257
2013	5,834	4,777	949	15	11,575
2014	6,058	4,875	796	11	11,740
2015	6,274	4,614	1,034	11	11,933
2016	6,373	4,809	941	12	12,136

¹ Sugar for human consumption only. ² Stocks include sugar in bond and in Customs custody and control. ³ Consists of all refined sugar. FSA, Dairy and Sweeteners Analysis, (202) 690–0734.

Table 2-18.—Sugar (raw and refined): Average price per pound at specified markets, 2008–2017

Year	Cane sugar		Refined beet: Mid-west	Retail price, granulated: United States
	Raw, 96 centrifugal			
	Intercontinental contract No. 11, average of nearby futures, world price	Intercontinental contract No. 16, average of nearby futures, U.S. price		
	Cents	Cents	Cents	Cents
2008	12.11	21.30	32.54	52.91
2009	17.91	24.93	38.10	57.03
2010	22.49	35.97	53.23	62.86
2011	27.22	38.12	56.22	68.30
2012	21.69	28.90	43.38	69.41
2013	17.46	20.46	27.22	64.32
2014	16.34	24.15	32.86	60.90
2015	13.14	24.88	33.88	65.36
2016	18.13	27.65	29.65	64.19
2017	15.81	.....	31.33	64.76

ERS, Market and Trade Economics Division, (202) 694–5247. Compiled from the following sources: (New York) Coffee, Sugar & Cocoa Exchange; the U.S. Department of Labor, Bureau of Labor Statistics; Milling and Baking News, New York Board of Trade; Intercontinental Exchange.

Table 2-19.—Sugar, centrifugal: International trade, 2014/2015–2016/2017

Country	2014/2015	2015/2016	2016/2017
1,000 Metric tons, raw value			
Principle exporting countries:			
Australia	3,561	3,700	4,000
Brazil	23,950	24,350	28,500
Colombia	835	584	695
Cuba	895	1,031	1,094
European Union	1,582	1,548	1,513
Guatemala	2,340	2,029	1,978
India	2,580	3,800	2,125
Mexico	1,545	1,280	1,287
Thailand	8,252	7,055	7,016
Ukraine	127	180	813
Others	9,178	8,331	9,612
Total Foreign	54,845	53,888	58,633
United States	168	67	86
Total	55,013	53,955	58,719
Principle importing countries:			
Algeria	1,844	1,834	2,061
Bangladesh	1,982	2,283	2,097
China	5,058	6,116	4,600
European Union	2,918	3,055	2,599
India	1,000	1,902	2,701
Indonesia	2,950	3,724	4,918
Iran	1,882	1,900	1,757
Korea, South	2,063	2,009	1,893
Malaysia	1,465	1,470	1,820
United Arab Emirates	2,366	1,830	1,893
Others	23,497	25,566	24,889
Total Foreign	47,025	51,689	51,228
United States	3,223	3,031	2,942
Total	50,248	54,720	54,170

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 2-20.—U.S. Sugar (raw value): Supply and use, includes Puerto Rico, 2008–2017

Fiscal Year	Production	Beginning stocks	Imports	Exports	Total deliveries, domestic use
	<i>1,000 short tons</i>	<i>1,000 short tons</i>	<i>1,000 short tons</i>	<i>1,000 short tons</i>	<i>1,000 short tons</i>
2008	7,531	1,664	3,082	136	10,607
2009	7,963	1,534	3,320	211	11,152
2010	7,831	1,498	3,738	248	11,422
2011	8,488	1,378	3,632	269	11,313
2012	8,981	1,979	3,224	274	11,776
2013	8,462	2,158	3,742	306	12,246
2014	8,656	1,810	3,553	185	12,019
2015	8,989	1,815	3,341	74	12,051
2016	8,970	2,054	3,244	95	12,258
2017	9,293	1,876	3,402	170	12,390

ERS, Market and Trade Economics Division, (202) 694-5247. Source: ERS Sugar and Sweetener Outlook

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Table 2-21.—Honey: United States exports and imports for consumption, by country of origin, 2015–2017

Country of origin	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Exports:			
Korea, South	560	488	787
Philippines	495	741	747
Canada	1,089	771	647
Kuwait	311	418	487
China	425	641	316
Japan	320	230	208
Vietnam	253	2	198
United Arab Emirates	272	397	125
Bahamas, The	30	40	102
France(*)	0	12	99
Singapore	65	104	93
Yemen(*)	206	402	72
Venezuela	0	19	59
Barbados	56	41	57
Panama	29	35	51
Australia(*)	12	78	50
Mexico	42	66	46
Bahrain	25	62	43
Israel(*)	0	0	40
Bermuda	43	29	38
Pakistan	19	74	31
Netherlands Antilles(*)	30	23	31
Hong Kong	75	165	27
Trinidad and Tobago	0	8	21
Brazil	4	38	20
Nigeria	0	0	18
Ukraine	0	0	17
Taiwan	67	83	10
Cayman Islands	3	5	7
Rest of World	676	76	42
World Total	5,107	5,047	4,491
Imports:			
India	36,123	29,364	45,170
Vietnam	36,973	38,514	36,288
Argentina	27,081	34,708	35,378
Brazil	15,440	19,062	24,031
Ukraine	11,411	11,086	19,363
Canada	8,234	13,487	15,786
Mexico	5,364	4,557	4,783
Thailand	10,753	4,238	4,490
New Zealand(*)	1,992	1,840	4,201
Uruguay	7,243	1,767	4,025
Turkey	5,195	1,852	2,396
Taiwan	4,443	1,618	1,649
Germany(*)	577	904	890
China	98	148	603
France(*)	419	455	579
Dominican Republic	1,070	485	511
Spain	195	363	482
United Kingdom	23	120	335
Australia(*)	66	129	312
Burma	1,093	428	259
Laos	0	20	254
Poland	72	58	141
Greece	90	108	137
Italy(*)	112	100	135
Hungary	105	118	134
Russia	115	143	125
Zambia	0	18	97
Bulgaria	173	192	95
Austria	90	85	95
Rest of World	695	509	328
World Total	175,243	166,477	203,069

(*) Denotes a country that is a summarization of its component countries.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 2-22.—Honey: Number of colonies, yield, production, stocks, price, and value, United States, 2008–2017 ¹

State	Honey producing colonies ²	Yield per colony	Production ³	Stocks Dec 15 ⁴	Average price per pound ⁵	Value of production
	1,000	Pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
2008	2,342	69.9	163,789	51,159	142.1	232,744
2009	2,498	58.6	146,416	37,516	147.3	215,671
2010	2,692	65.6	176,462	45,018	161.9	285,692
2011	2,491	59.6	148,357	36,761	176.5	261,850
2012	2,539	56.0	142,296	31,829	199.2	283,454
2013	2,640	56.6	149,499	38,160	214.1	320,077
2014	2,740	65.1	178,270	41,192	217.3	387,381
2015	2,660	58.9	156,544	42,203	208.3	326,081
2016	2,775	58.3	161,882	41,253	211.9	343,028
2017	2,669	55.3	147,638	30,577	215.6	318,308

¹For producers with 5 or more colonies that also qualify as a farm. Colonies which produced honey in more than one State were counted in each State. ²Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. ³Due to rounding, total colonies multiplied by total yield may not exactly equal production. ⁴Stocks held by producers. ⁵Average price per pound based on expanded sales.
 NASS, Livestock Branch, (202) 720–3570.

Table 2-23.—Honey: Number of colonies, yield, production, stocks, price and value, by State and United States, 2016 ¹

State	Honey producing colonies ²	Yield per colony	Production	Stocks Dec 15 ³	Average price per pound ⁴	Value of production ⁵
	1,000	Pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
Alabama	7	52	364	33	345	1,256
Arizona	27	46	1,242	261	197	2,447
Arkansas	24	69	1,656	99	185	3,064
California	310	36	11,160	2,009	204	22,766
Colorado	32	40	1,280	282	224	2,867
Florida	215	50	10,750	538	243	26,123
Georgia	96	39	3,744	899	269	10,071
Hawaii	16	113	1,808	127	231	4,176
Idaho	97	34	3,298	1,253	182	6,002
Illinois	10	48	480	77	542	2,602
Indiana	7	62	434	208	346	1,502
Iowa	37	48	1,776	746	208	3,694
Kansas	7	48	336	54	304	1,021
Kentucky	5	46	230	48	402	925
Louisiana	50	86	4,300	301	194	8,342
Maine	12	34	408	65	338	1,379
Michigan	89	60	5,340	1,709	237	12,656
Minnesota	124	59	7,316	1,390	169	12,364
Mississippi	19	85	1,615	113	173	2,794
Missouri	8	62	496	30	231	1,146
Montana	159	77	12,243	3,183	177	21,670
Nebraska	48	46	2,208	640	191	4,217
New Jersey	12	27	324	198	709	2,297
New York	64	57	3,648	1,167	319	11,637
North Carolina	12	37	444	89	478	2,122
North Dakota	485	78	37,830	6,809	185	69,986
Ohio	15	79	1,185	664	393	4,657
Oregon	74	35	2,590	622	191	4,947
Pennsylvania	19	50	950	266	303	2,879
South Carolina	16	45	720	36	457	3,290
South Dakota	280	71	19,880	12,127	176	34,989
Tennessee	6	55	330	69	488	1,610
Texas	133	70	9,310	2,607	208	19,365
Utah	31	32	992	169	193	1,915
Vermont	6	52	312	69	364	1,136
Virginia	5	38	190	30	585	1,112
Washington	84	35	2,940	412	199	5,851
West Virginia	5	32	160	43	392	627
Wisconsin	54	62	3,348	1,205	267	8,939
Wyoming	40	68	2,720	190	178	4,842
Other States ^{6, 7}	35	44	1,525	416	424	6,466
United States ^{7, 8}	2,775	58.3	161,882	41,253	211.9	343,028

¹For producers with 5 or more colonies that also qualify as a farm. Colonies which produced honey in more than one State were counted in each State. ²Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. ³Stocks held by producers. ⁴Average price per pound based on expanded sales. ⁵Value of production is equal to production multiplied by average price per pound. ⁶Alaska, Connecticut, Delaware, Maryland, Massachusetts, Nevada, New Hampshire, New Mexico, Oklahoma, and Rhode Island not published separately to avoid disclosing data for individual operations. ⁷Due to rounding, total colonies multiplied by total yield may not exactly equal production. ⁸United States value of production will not equal summation of States.
 NASS, Livestock Branch, (202) 720–3570.

II-16 STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

Table 2-24.—Honey: Number of colonies, yield, production, stocks, price and value, by State and United States, 2017¹

State	Honey producing colonies ²	Yield per colony	Production	Stocks Dec 15 ³	Average price per pound ⁴	Value of production ⁵
	1,000	Pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
Alabama	7	45	315	22	277	873
Arizona	22	40	880	97	196	1,725
Arkansas	29	77	2,233	223	191	4,265
California	335	41	13,735	2,198	209	28,706
Colorado	33	43	1,419	284	206	2,923
Florida	205	43	8,815	529	240	21,156
Georgia	99	32	3,168	190	296	9,377
Hawaii	12	131	1,572	16	151	2,374
Idaho	95	44	4,180	1,045	179	7,482
Illinois	11	46	506	167	476	2,409
Indiana	7	48	336	128	394	1,324
Iowa	35	58	2,030	1,035	222	4,507
Kansas	7	79	553	260	418	2,312
Kentucky	5	38	190	42	408	775
Louisiana	43	81	3,483	279	188	6,548
Maine	12	33	396	51	545	2,158
Michigan	87	45	3,915	822	241	9,435
Minnesota	126	62	7,812	1,016	186	14,530
Mississippi	13	80	1,040	83	181	1,882
Missouri	8	65	520	57	353	1,836
Montana	145	72	10,440	2,506	230	24,012
Nebraska	42	63	2,646	423	199	5,266
New Jersey	13	28	364	167	786	2,861
New York	57	56	3,192	766	301	9,608
North Carolina	11	41	451	99	434	1,957
North Dakota	455	74	33,670	4,377	189	63,636
Ohio	15	73	1,095	657	312	3,416
Oregon	78	40	3,120	998	189	5,897
Pennsylvania	16	46	736	177	340	2,502
South Carolina	16	34	544	27	306	1,665
South Dakota	255	57	14,535	6,541	191	27,762
Tennessee	7	41	287	75	468	1,343
Texas	120	66	7,920	2,297	211	16,711
Utah	27	31	837	67	206	1,724
Vermont	7	45	315	120	417	1,314
Virginia	5	35	175	39	573	1,003
Washington	77	45	3,465	1,594	225	7,796
West Virginia	6	40	240	50	385	924
Wisconsin	53	56	2,968	683	277	8,221
Wyoming	39	53	2,067	186	159	3,287
Other States ^{6,7}	34	43	1,473	184	411	6,054
United States ^{7,8}	2,669	55.3	147,638	30,577	215.6	318,308

¹For producers with 5 or more colonies that also qualify as a farm. Colonies which produced honey in more than one State were counted in each State. ²Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. ³Stocks held by producers. ⁴Average price per pound based on expanded sales. ⁵Value of production is equal to production multiplied by average price per pound. ⁶Alaska, Connecticut, Delaware, Maryland, Massachusetts, Nevada, New Hampshire, New Mexico, Oklahoma, and Rhode Island not published separately to avoid disclosing data for individual operations. ⁷Due to rounding, total colonies multiplied by total yield may not exactly equal production. ⁸United States value of production will not equal summation of States.

NASS, Livestock Branch, (202) 720-3570.

Table 2-25.—U.S. per capita caloric sweeteners estimated deliveries for domestic food and beverage, use by calendar year 2007–2016 ^{1 2}

Calendar year	U.S. population ³ (July 1)	Refined sugar ⁴	Corn Sweetener				Pure honey	Edible syrups	Total caloric sweeteners
			HFCS	Glucose syrup	Dextrose	Total			
	Millions	Millions	Millions	Millions	Millions	Millions	Millions	Millions	Millions
2007	301.7	61.2	55.9	13.7	3.0	72.6	0.9	0.6	135.3
2008	304.5	65.1	52.7	13.4	2.8	68.8	1.0	0.6	135.5
2009	307.2	63.4	49.7	13.0	2.7	65.3	0.9	0.6	130.3
2010	309.3	66.0	48.4	12.6	2.9	64.0	1.0	0.8	131.8
2011	311.7	65.9	46.7	12.2	2.9	61.8	1.1	0.7	129.5
2012	314.0	66.7	45.8	12.5	2.7	61.0	1.1	0.7	129.4
2013	316.2	68.0	43.7	12.0	2.6	58.4	1.2	0.7	128.3
2014	318.6	68.4	43.4	12.2	3.0	58.5	1.3	0.8	129.1
2015	320.9	69.2	42.5	12.3	3.0	57.8	1.3	0.9	129.1
2016	323.1	69.7	41.4	12.4	2.7	56.5	1.3	0.7	128.1

¹ Per capita deliveries of sweeteners by U.S. processors and refiners and direct-consumption imports to food manufacturers, retailers, and other end users represent the per capita supply of caloric sweeteners. The data exclude deliveries to manufacturers of alcoholic beverages. Actual human intake of caloric sweeteners is lower because of uneaten food, spoilage, and other losses. See Table 51 of the Sugar and Sweeteners Yearbook series for estimated intake of sugar. ²Totals may not add due to rounding. ³Source: U.S. Census Bureau. ⁴Based on U.S. sugar deliveries for domestic food and beverage use.

ERS, Market and Trade Economics Division (202) 694–5247. Source: ERS Sugars and Sweeteners Outlook.

Table 2-26.—Tobacco: Area, yield, production, price, and value, United States, 2008–2017

Year	Area harvested	Yield per acre	Production ¹	Marketing year average price per pound received by farmers ²	Value of production
	Acres	Pounds	1,000 pounds	Dollars	1,000 dollars
2008	354,490	2,258	800,504	1,859	1,488,069
2009	354,040	2,323	822,581	1,837	1,511,196
2010	337,500	2,128	718,190	1,782	1,279,920
2011	325,040	1,841	598,252	1,857	1,110,737
2012	336,245	2,268	762,709	2,027	1,557,604
2013	355,675	2,034	723,579	2,177	1,574,982
2014	378,360	2,316	876,415	2,094	1,835,308
2015	328,650	2,188	719,171	2,003	1,440,645
2016	319,660	1,967	628,720	2,007	1,262,087
2017	321,470	2,209	710,161	2,069	1,469,307

¹ Production figures are on farm-sales-weight basis. NASS, Crops Branch, (202) 720–2127.

Table 2-27.—Tobacco: Area, yield, and production, by State and United States, 2015–2017

State	Area harvested			Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	Acres	Acres	Acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
Connecticut	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Georgia	13,500	13,500	12,500	2,400	2,100	2,100	32,400	28,350	28,250
Kentucky	72,900	75,300	80,500	2,055	1,810	2,277	149,830	136,280	183,300
Massachusetts	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Carolina	173,000	166,000	163,900	2,193	1,999	2,197	380,250	331,800	360,040
Ohio	1,900	(NA)	(NA)	1,900	(NA)	(NA)	3,610	(NA)	(NA)
Pennsylvania	7,900	8,200	8,100	2,290	2,495	2,344	18,090	20,460	18,990
South Carolina	13,000	13,000	12,000	2,000	1,900	2,100	26,000	24,700	25,200
Tennessee	20,900	20,200	21,100	2,333	1,767	2,038	48,770	35,690	43,000
Virginia	23,050	23,460	23,370	2,415	2,193	2,284	55,655	51,440	53,381
Other States ¹	2,500	-	-	1,826	-	-	4,566	-	-
United States	328,650	319,660	321,470	2,188	1,967	2,209	719,171	628,720	710,161

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Includes data withheld above. NASS, Crops Branch, (202) 720–2127.

CHAPTER III

STATISTICS OF OILSEEDS, FATS, AND OILS

This chapter includes information on cottonseed, flaxseed, olive oil, peanuts, soybeans, 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 3-1.—Cottonseed: All cotton harvested area and cottonseed production, farm disposition, marketing year average price per ton received by farmers, and value, United States, 2008–2017

Year	Harvested area of all cotton	Cottonseed				
		Production	Farm disposition		Marketing year average price ²	Value of production ²
			Sales to oil mills	Other ¹		
	1,000 acres	1,000 tons	1,000 tons	1,000 tons	Dollars/tons	1,000 dollars
2008	7,568.7	4,300.3	2,526.5	1,773.8	223.00	962,708
2009	7,533.7	4,148.8	2,277.9	1,870.9	158.00	670,027
2010	10,698.7	6,096.1	3,252.9	2,843.2	161.00	988,656
2011	9,460.9	5,370.0	2,695.0	2,675.0	260.00	1,413,343
2012	9,321.8	5,666.0	2,985.0	2,681.0	252.00	1,456,245
2013	7,544.4	4,203.0	2,070.0	2,133.0	246.00	1,054,003
2014	9,346.8	5,125.0	2,459.0	2,666.0	194.00	1,015,607
2015	8,074.9	4,043.0	1,916.0	2,127.0	227.00	932,894
2016	9,507.8	5,369.0	2,921.0	2,448.0	195.00	1,055,924
2017	11,100.4	6,422.0	3,059.0	3,363.0	139.00	948,722

¹Includes planting seed, feed, exports, inter-farm sales, shrinkage, losses, and other uses. ²2017 based on monthly prices received from August 1, 2017 - December 31, 2017.
NASS, Crops Branch, (202) 720–2127.

Table 3-2.—Cottonseed: Production and farm disposition, by State and United States, 2016 and 2017

State	Production		Farm disposition				Seed for planting ¹	
	2016	2017	Sales to oil mills		Other ²		2016	2017
			2016	2017	2016	2017		
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
Alabama	207.0	204.0	44.0	26.0	163.0	178.0	2.5	2.6
Arizona	138.0	171.0	-	-	138.0	171.0	1.2	1.3
Arkansas	275.0	351.0	204.0	238.0	71.0	113.0	3.3	3.0
California	281.0	323.0	58.0	84.0	223.0	239.0	2.1	2.3
Florida	55.0	44.0	48.0	35.0	7.0	9.0	0.4	0.6
Georgia	616.0	638.0	295.0	279.0	321.0	359.0	6.7	7.2
Kansas	23.0	58.0	-	12.0	23.0	46.0	0.3	0.7
Louisiana	86.0	127.0	73.0	108.0	13.0	19.0	1.2	1.1
Mississippi	348.0	432.0	257.0	295.0	91.0	137.0	3.6	3.9
Missouri	198.0	255.0	150.0	179.0	48.0	76.0	1.6	1.9
New Mexico	33.0	40.0	-	-	33.0	40.0	0.4	0.5
North Carolina	99.0	217.0	13.0	7.0	86.0	210.0	2.3	2.8
Oklahoma	192.0	294.0	125.0	190.0	67.0	104.0	2.6	3.7
South Carolina	71.0	134.0	28.0	44.0	43.0	90.0	1.3	1.6
Tennessee	191.0	230.0	169.0	184.0	22.0	46.0	2.0	2.2
Texas	2,528.0	2,852.0	1,457.0	1,378.0	1,071.0	1,474.0	38.7	40.7
Virginia	28.0	52.0	-	-	28.0	52.0	0.5	0.5
United States	5,369.0	6,422.0	2,921.0	3,059.0	2,448.0	3,363.0	70.7	76.6

-Represents zero. ¹Included in "other" farm disposition. Seed for planting is produced in crop year shown, but used in the following year. ²Includes planting seed, feed, exports, inter-farm sales, shrinkage, losses, and other uses.
NASS, Crops Branch, (202) 720–2127.

Table 3-3.—Cottonseed: Marketing year average price per ton and value of production, by State and United States, crop of 2015–2017

State	Marketing year average price per ton			Value of production		
	2015	2016	2017 ¹	2015	2016	2017 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Alabama	203.00	176.00	120.00	32,886	36,432	28,680
Arizona	322.00	241.00	193.00	31,556	33,258	34,354
Arkansas	265.00	209.00	152.00	41,340	57,475	56,392
California	284.00	276.00	246.00	56,516	77,556	80,688
Florida	208.00	157.00	101.00	8,528	8,635	4,545
Georgia	195.00	167.00	114.00	119,925	102,872	72,276
Kansas	(D)	(D)	(D)	(D)	(D)	(D)
Louisiana	239.00	203.00	158.00	14,579	17,458	21,330
Mississippi	265.00	194.00	156.00	56,975	67,512	69,264
Missouri	269.00	212.00	152.00	41,426	41,976	39,824
New Mexico	236.00	238.00	164.00	5,664	7,854	6,232
North Carolina	228.00	184.00	119.00	35,568	18,216	25,823
Oklahoma	215.00	172.00	116.00	26,015	33,024	39,556
South Carolina	200.00	175.00	133.00	8,600	12,425	17,955
Tennessee	272.00	211.00	137.00	28,560	40,301	32,743
Texas	224.00	194.00	134.00	413,056	490,432	402,670
Virginia	(D)	(D)	(D)	(D)	(D)	(D)
Other States ²	239.00	206.00	144.00	11,700	10,498	16,390
United States	227.00	195.00	139.00	932,894	1,055,924	948,722

(D) Withheld to avoid disclosing data for individual operations. ¹ Based on monthly prices received from August 1, 2017 - December 31, 2017. ² Includes data withheld above.
 NASS, Crops Branch, (202) 720-2127.

Table 3-4.—Cottonseed: Crushings, output of products and product prices, United States, 2007–2016

Year beginning August	Quantity crushed <i>1,000 tons</i>	Cottonseed products and prices			
		Oil		Cake and meal	
		Quantity <i>Million pounds</i>	Price ¹ <i>Cents per pound</i>	Quantity <i>1,000 tibs</i>	Price ² <i>Dollars per ton</i>
2007	2,706	856	73.6	1,262	253.81
2008	2,240	669	37.1	938	255.23
2009	1,901	617	40.3	883	220.90
2010	2,563	835	54.5	1,163	273.84
2011	2,400	755	53.2	1,090	275.13
2012	2,500	800	48.6	1,125	331.52
2013	2,000	630	60.7	900	377.71
2014	1,900	610	45.7	855	304.27
2015	1,500	465	45.9	705	261.19
2016	1,769	542	40.9	805	208.61

¹ Tanks, f.o.b. Valley Points. ² 41 percent protein, solvent, Memphis.
 ERS, Field Crops Branch, (202) 694-5300. Compiled from annual reports of the U.S. Department of Commerce.

Table 3-5.—International meal, cottonseed: Production in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Australia	280	338	396
Brazil	830	995	1,310
China	3,250	3,321	4,116
India	4,000	3,800	4,290
Mali	131	158	173
Mexico	150	150	245
Pakistan	1,302	1,349	1,500
Turkey	479	572	710
Turkmenistan	205	205	231
Uzbekistan	656	628	628
Others	1,149	1,196	1,337
Total Foreign	12,432	12,712	14,936
United States	640	730	757
Total	13,072	13,442	15,693

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-6.—Cottonseed, Cottonseed oil, and cottonseed cake and meal: United States exports by country of destination, 2015–2017

Country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cottonseed:			
Korea, South	43,023	39,268	123,769
Mexico	27,875	99,730	120,085
Saudi Arabia	36,769	45,071	77,740
Japan	22,767	13,337	53,720
United Arab Emirates	1,132	695	6,784
Morocco	0	400	4,228
Canada	786	742	2,477
Jordan	0	381	1,740
Oman	0	576	1,292
Qatar	115	0	1,259
Indonesia	0	0	988
Italy(*)	0	0	686
Bangladesh	0	0	519
Lebanon	0	0	302
Taiwan	0	0	258
Spain	0	0	49
Costa Rica	3	42	19
Colombia	1	17	8
Trinidad and Tobago	5	7	1
Australia(*)	20	0	0
Bahrain	19	0	0
Dominican Republic	2	0	0
El Salvador	1	0	0
Guatemala	0	7	0
Rest of World	10	6	0
World Total	132,529	200,278	395,922
Cottonseed oil:			
Mexico	24,767	19,599	22,013
Malaysia	4,224	201	7,429
Australia(*)	1,293	1,872	5,215
Canada	12,316	3,474	5,141
Slovenia	0	0	695
Japan	913	474	591
Singapore	1	1	467
Morocco	0	0	297
India	21	101	286
Guatemala	134	311	207
Portugal	0	127	133
Thailand	34	0	59
Honduras	7	0	48
Brazil	81	37	32
Turkey	68	1	29
United Arab Emirates	0	27	24
Trinidad and Tobago	0	0	20
Jamaica	0	0	13
Panama	5	7	12
Argentina	0	0	8
Italy(*)	0	0	6
Belize	0	0	5
Saudi Arabia	0	0	4
Leeward-Windward Islands(*)	0	0	3
Rest of World	1,126	4,606	5
World Total	44,990	30,837	42,741
Cottonseed cake & meal:			
Mexico	43,823	70,234	84,547
Brazil	2,195	1,376	6,091
Germany(*)	1,993	2,543	4,114
Canada	5,229	2,532	2,542
Italy(*)	843	1,332	1,332
Ecuador	344	1,344	1,265
Saudi Arabia	0	0	1,044
Oman	0	0	1,023
Korea, South	2,763	1,651	843
Austria	1,011	912	786
United Kingdom	2,150	1,642	606
Hungary	98	198	208
Colombia	2	2	150
Japan	167	94	96
Spain	11	9	16
Bermuda	1	1	0
France(*)	0	4	0
Suriname	7	0	0
Portugal	117	189	0
World Total	60,753	84,063	104,664

(*) Denotes a country that is a summarization of its component countries.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data

Table 3-7.—International oilseed, cottonseed: Area and production in specified countries, 2015/2016–2017/2018

Country	Area			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Australia	312	580	530	881	1,250	1,500
Brazil	955	940	1,190	1,937	2,298	3,002
China	3,050	2,900	3,400	8,600	8,800	10,800
European Union	295	273	295	409	418	493
India	12,300	10,850	12,400	10,996	11,463	12,312
Mexico	133	104	209	320	260	528
Pakistan	2,800	2,400	2,600	3,050	3,350	3,600
Turkey	370	400	470	870	1,050	1,300
Turkmenistan	500	545	545	569	518	601
Uzbekistan	1,285	1,180	1,250	1,490	1,400	1,400
Others	4,710	5,051	5,383	2,987	3,407	3,677
Total Foreign	26,710	25,223	28,272	32,109	34,214	39,213
United States	3,268	3,848	4,492	3,668	4,871	5,826
Total	29,978	29,071	32,764	35,777	39,085	45,039

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-8.—International oil, cottonseed: Production in specified countries, 2015/2016–2017/2018 ¹

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Australia	97	117	137
Brazil	280	336	440
China	1,091	1,115	1,382
India	1,230	1,160	1,320
Mali	44	53	58
Mexico	57	57	93
Pakistan	430	445	485
Turkey	157	187	232
Turkmenistan	77	77	87
Uzbekistan	232	222	222
Others	383	399	444
Total Foreign	4,078	4,168	4,900
United States	211	246	252
Total	4,289	4,414	5,152

¹Year beginning July 1.
FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-9.—Flaxseed: Area, yield, production, disposition, and value, United States, 2008–2017

Year	Area planted	Area harvested	Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	<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>
2008	354	340	16.8	5,716	12.70	72,773
2009	317	314	23.6	7,423	8.15	60,373
2010	421	418	21.7	9,056	12.20	110,251
2011	178	173	16.1	2,791	13.90	38,570
2012	349	336	17.3	5,798	13.80	79,919
2013	181	172	19.5	3,356	13.80	46,325
2014	311	302	21.1	6,368	11.80	75,077
2015	463	456	22.1	10,095	8.95	90,561
2016	374	366	23.7	8,656	8.00	69,352
2017	303	272	14.1	3,842	9.25	35,393

NASS, Crops Branch, (202) 720-2127.

Table 3-10.—Flaxseed: Area, yield, and production, by State and United States, 2015–2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	<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>
Minnesota ¹	3	(NA)	(NA)	3	(NA)	(NA)
Montana	31	29	52	30	28	38
North Dakota	410	335	245	405	329	229
South Dakota	19	10	6	18	9	5
United States	463	374	303	456	366	272

State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
Minnesota ¹	14.0	(NA)	(NA)	42	(NA)	(NA)
Montana	15.0	22.0	9.0	450	616	342
North Dakota	23.0	24.0	15.0	9,315	7,896	3,435
South Dakota	16.0	16.0	13.0	288	144	65
United States	22.1	23.7	14.1	10,095	8,656	3,842

(NA) Not available. ¹ Estimates discontinued in 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 3-11.—Flaxseed: Marketing year average price and value of production, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015	2016	2017	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Minnesota ¹	8.10	(NA)	(NA)	340	(NA)	(NA)
Montana	9.80	8.04	8.90	4,410	4,953	3,044
North Dakota	8.95	8.00	9.25	83,369	63,168	31,774
South Dakota	8.48	8.55	8.85	2,442	1,231	575
United States	8.95	8.00	9.25	90,561	69,352	35,393

(NA) Not available. ¹ Estimates discontinued in 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 3-12.—Flaxseed: Support operations, United States, 2008/2009–2017/2018

Marketin year beginning June 1	Income support payment rates per bushels ¹	Program price levels per bushel		Put under loan		Acquired by CCC under loan program ⁴	Owned by CCC at end of marketing year
		Loan ²	Target/ Reference ³	Quantity	Percentage of production		
	Dollars	Dollars	Dollars	1,000 bushels	Percent	1,000 bushels	1,000 bushels
2008/2009	0.45/0.00	5.21	5.66	141.1	2.5	0	0
2009/2010	0.45/0.00	5.21	5.66	80.4	1.1	0	0
2010/2011	0.45/0.00	5.65	7.10	69.6	0.8	0	0
2011/2012	0.45/0.00	5.65	7.10	17.9	0.6	0	0
2012/2013	0.45/0.00	5.65	7.10	26.8	0.5	0	0
2013/2014	0.45/0.00	5.65	7.10	10.7	0.3	0	0
2014/2015	0.00	5.65	11.28	37.5	0.6	0	0
2015/2016	2.33	5.65	11.28	269.6	2.7	0	0
2016/2017	3.28	5.65	11.28	236.1	2.7	0	0
2017/2018	1.88	5.65	11.28	78.8	2.0	0	0

¹The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ²For 2009/2010-2013/2014, producers who participated in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. ³Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴Acquisitions as of March 30, 2018.

FSA, Feed Grains and Oilseeds, (202) 720-2711.

Table 3-13.—Flaxseed: Supply and disappearance, United States, 2007–2016

Year beginning June	Supply				Disappearance			
	Stocks June 1	Production	Imports	Total	Total used for seed	Exports	Crushings ¹	Total domestic disappearance ²
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
2007	2,444	5,896	8,019	16,359	287	2,221	11,700	12,627
2008	1,512	5,716	4,794	12,022	257	432	8,150	9,038
2009	2,552	7,423	6,283	16,258	341	1,752	12,000	12,949
2010	1,557	9,056	6,040	16,653	144	2,130	11,635	12,352
2011	2,170	2,791	8,286	13,247	279	654	10,500	11,473
2012	1,120	5,709	6,928	13,846	147	1,020	11,000	11,902
2013	924	3,356	6,759	11,039	252	599	8,700	9,677
2014	763	6,368	7,351	14,482	375	528	11,850	13,259
2015	808	10,095	4,436	15,339	303	825	10,700	11,601
2016 ³	2,914	8,656	3,091	14,661	245	1,190	10,500	11,301

¹From domestic and imported seed. ²Total supply minus exports and stocks June 1 of following year. ³Preliminary. ERS, Field Crops Branch, (202) 694-5300.

Table 3-14.—Flaxseed and linseed oil and meal: Average price Minneapolis, 2007–2016

Year	Average price received by farmers per bushel	Minneapolis	
		Oil, per pound ¹	Linseed meal, per ton ²
	<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>
2007	13.00	44.37	191.54
2008	12.70	70.31	227.66
2009	8.15	86.52	217.24
2010	12.20	67.49	223.23
2011	13.90	(NA)	238.35
2012	13.80	(NA)	320.13
2013	13.80	(NA)	359.42
2014	11.80	(NA)	263.90
2015	8.95	(NA)	234.78
2016 ³	8.00	(NA)	313.17

(NA) Not available. ¹Raw oil in tank cars. ²Bulk carlots, 34 percent protein. ³Preliminary.
ERS, Field Crops Branch, (202) 694-5300.

Table 3-15.—Flaxseed and products: Flaxseed crushed; production, imports, and exports of linseed oil, cake, and meal; and June 1 stocks of oil, United States, 2007–2016

Year beginning June	Total flaxseed crushed	Linseed oil			Linseed cake and meal		
		Stocks June 1	Production	Exports	Production	Imports for consumption	Exports
	<i>1,000 bushels</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
2007	11,700	51	228	74	211	9	10
2008	8,150	26	159	66	147	10	28
2009	12,000	73	234	103	216	3	10
2010	11,635	37	227	101	209	7	7
2011	10,500	38	205	89	189	8	3
2012	11,000	35	215	94	198	6	5
2013	8,700	35	170	58	157	1	6
2014	11,850	35	231	52	213	3	4
2015	10,700	35	209	17	193	7	4
2016 ¹	10,500	35	205	15	189	6	5

¹Preliminary.
ERS, Field Crops Branch, (202) 694-5300.

Table 3-16.—Peanuts: Area, yield, production, disposition, marketing year average price per pound received by farmers, and value, United States, 2008–2017

Year	Area planted	Peanuts for nuts				
		Area harvested	Yield per acre	Production ¹	Marketing year average price	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Cents	1,000 dollars
2008	1,534.0	1,507.0	3,426	5,162,400	23.0	1,193,617
2009	1,116.0	1,079.0	3,421	3,691,650	21.7	793,147
2010	1,288.0	1,255.0	3,312	4,156,840	22.5	938,611
2011	1,140.6	1,080.6	3,386	3,658,590	31.8	1,168,587
2012	1,638.0	1,604.0	4,211	6,753,880	30.1	2,026,326
2013	1,067.0	1,043.0	4,001	4,173,170	24.9	1,055,095
2014	1,353.5	1,322.5	3,923	5,188,665	22.0	1,158,251
2015	1,625.0	1,560.9	3,845	6,001,357	19.3	1,160,560
2016	1,671.0	1,536.0	3,634	5,581,570	19.7	1,088,165
2017	1,870.6	1,775.6	4,074	7,233,600	23.0	1,638,095

¹ Estimates comprised of quota and non-quota peanuts.
NASS, Crops Branch, (202) 720–2127.

Table 3-17.—Peanuts, farmer stock: Stocks, production, and quantity milled, United States, 2008–2017

Year beginning August	Stocks Aug. 1 ¹	Production harvested for nuts ¹	Imports	Total supply	Milled ^{1 2}
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
2008	346,948	5,162,400	194	5,509,542	3,901,712
2009	1,359,950	3,691,650	1,243	5,052,843	3,930,088
2010	991,394	4,156,840	163	5,148,397	3,976,460
2011	769,016	3,658,590	1,299	4,428,905	3,949,494
2012	272,838	6,753,880	3,117	7,029,835	4,979,182
2013	1,924,996	4,173,170	169	6,098,335	4,955,484
2014	1,059,524	5,188,665	7	6,248,196	4,775,454
2015	1,445,310	6,001,357	287	7,446,954	4,998,028
2016	1,051,096	5,581,570	113	6,632,779	4,699,164
2017	732,966	7,233,600	171	7,966,566	4,448,304

¹ Net weight basis. ² Includes peanuts milled for seed.
NASS, Crops Branch, (202) 720–2127, ERS, and Foreign trade from the Bureau of the Census.

Table 3-18.—Peanuts: Crushings, and oil and meal stocks, production, and foreign trade, United States, 2008–2017

Year beginning August	Peanuts crushed (shelled basis)	Peanut oil				Peanut cake and meal	
		Stocks Aug. 1 ¹	Production of crude	Imports	Exports ²	Stocks Aug. 1 ³	Production
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
2008	334,296	6,024	142,666	54,155	9,311	4,949	190,748
2009	326,779	4,491	139,903	73,184	10,764	3,792	185,452
2010	441,017	6,888	190,110	60,012	15,923	7,045	250,043
2011	453,835	6,836	188,479	28,290	15,646	9,959	250,037
2012	493,835	2,478	210,702	10,360	12,598	10,446	270,328
2013	497,272	(NA)	209,808	55,265	8,940	(NA)	268,554
2014	506,677	(NA)	214,041	30,174	18,840	(NA)	278,380
2015	531,770	2,667	226,219	93,314	10,253	3,197	291,193
2016	659,966	4,868	283,689	40,446	12,148	5,460	357,751
2017	528,750	10,646	231,748	71,354	10,943	8,750	282,346

(NA) Not available. ¹ Crude plus refined. ² Reported as edible peanut oil and crude peanut oil; in this tabulation added without converting. ³ Holding at producing mills only.
NASS, Crops Branch, (202) 720–2127, ERS, and Foreign trade from the Bureau of the Census.

Table 3-19.—Cleaned peanuts (roasting stock): Supply and disposition, United States, 2008–2017

Year beginning August	Supply				Disposition		
	Stocks Aug. 1	Production	Imports	Total	Exports	Domestic disappearance	
						Total	Per capita
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Pounds
2008	57,795	282,284	194	340,273	67,091	212,695	0.69
2009	60,487	257,414	1,243	319,144	55,430	210,785	0.69
2010	52,929	268,956	163	322,048	78,693	184,385	0.60
2011	58,970	226,481	1,299	286,750	66,819	179,965	0.58
2012	39,966	323,731	3,117	366,814	194,821	100,098	0.32
2013	71,895	323,607	169	395,671	143,921	178,597	0.56
2014	73,153	248,170	7	321,330	168,504	112,491	0.35
2015	40,335	251,484	287	292,106	418,066	(157,559)	(0.49)
2016	31,599	230,537	113	262,249	183,423	46,348	0.14
2017	32,478	225,475	171	257,953	159,790	42,630	0.13

NASS, Crops Branch, (202) 720-2127, ERS, and Foreign trade from the Bureau of the Census.

Table 3-20.—Shelled peanuts (all grades): Supply, exports, and quantity crushed, United States, 2008–2017

Year beginning August	Supply						Exports	Crushed
	Stocks Aug. 1		Production		Imports	Total		
	Edible	Oil stock	Edible	Oil stock				
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
2008	431,593	39,508	2,442,345	253,778	61,199	3,228,423	494,738	334,296
2009	511,261	22,320	2,547,434	280,888	49,454	3,411,357	402,732	326,779
2010	554,295	35,498	2,450,639	357,130	46,031	3,443,593	395,554	441,017
2011	473,878	43,380	2,399,094	345,565	163,852	3,425,769	352,994	453,835
2012	466,310	52,883	3,125,786	351,284	72,871	4,069,134	741,109	493,205
2013	547,965	33,883	3,098,392	373,008	60,760	4,114,008	708,391	497,272
2014	519,824	25,364	2,997,078	391,728	64,342	3,998,336	675,930	506,677
2015	431,674	31,012	3,141,099	442,650	62,620	4,109,055	839,203	531,770
2016	467,139	65,350	2,944,760	448,377	112,152	4,037,778	851,628	659,966
2017	482,010	26,372	2,853,147	358,282	123,271	3,843,082	811,065	528,750

NASS, Crops Branch, (202) 720-2127, ERS, and Foreign trade from the U.S. Bureau of the Census.

Table 3-21.—Peanuts: Shelled (raw basis) by types, used in primary products and apparent disappearance of peanuts, United States, 2008–2017

Type and year beginning August	Edible grades used in products					Apparent disappearance ²
	Peanut butter ¹	Peanut snack	Peanut candy	Other products	Total	
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Virginia and Valencia:						
2008	125,497	71,059	27,909	979	225,445	.....
2009	³ 50,812	50,812	17,361		198,497	.....
2010	³ 62,708	62,708	16,070	³	211,194	.....
2011	³ 78,333	78,333	17,856	³	203,958	.....
2012	82,981	83,722	17,731	8,452	192,888	.....
2013	86,759	85,298	17,109	13,373	202,536	.....
2014	102,340	91,909	12,079	26,440	232,768	.....
2015	108,156	89,766	14,319	26,258	238,494	.....
2016	118,109	92,331	13,427	23,606	247,473	.....
2017	129,823	84,479	15,455	28,998	258,759	.....
Runner:						
2008	981,546	303,730	276,212	8,043	1,569,531	.....
2009	1,056,699	290,358	286,277	13,120	1,646,454	.....
2010	1,076,521	319,529	365,260	13,036	1,774,346	.....
2011	1,091,541	303,631	360,797	14,840	1,770,809	.....
2012	1,143,108	309,860	347,428	12,195	1,812,591	.....
2013	1,128,206	337,934	³	³	1,844,490	.....
2014	1,196,277	329,930	348,367	26,737	1,901,311	.....
2015	1,186,810	408,726	346,831	35,128	1,977,495	.....
2016	1,215,212	370,766	379,549	33,156	1,998,683	.....
2017	1,179,186	434,139	346,985	66,943	2,027,254	.....
Spanish:						
2008	³	10,823	13,721	³	34,990	.....
2009	³	11,793	11,957	³	31,269	.....
2010	³	12,940	14,122	³	35,207	.....
2011	³	8,104	16,025	³	27,390	.....
2012	³	6,847	16,755	³	25,389	.....
2013	³	6,564	15,996	³	³	.....
2014	³	6,638	15,410	³	27,188	.....
2015	³	7,200	16,355	³	28,225	.....
2016	³	7,195	14,725	³	26,801	.....
2017	³	6,227	17,064	³	28,851	.....
All types:						
2008	1,102,698	367,478	316,275	9,840	1,796,291	2,633,643
2009	1,191,821	352,963	315,595	15,840	1,876,219	2,682,110
2010	1,213,229	395,177	395,452	16,890	2,020,748	2,880,304
2011	1,197,748	390,068	394,678	19,661	2,002,155	2,742,724
2012	1,227,859	400,429	381,914	20,664	2,030,866	3,417,047
2013	1,218,170	429,796	395,726	29,103	2,072,795	3,508,060
2014	1,303,755	428,477	375,856	53,179	2,161,267	3,471,308
2015	1,299,634	505,692	377,505	61,388	2,244,219	3,513,946
2016	1,338,195	470,292	407,701	56,769	2,272,957	3,417,244
2017	1,314,567	524,845	379,504	95,943	2,843,609	3,159,849

¹Excludes peanut butter made by manufacturers for own use in candy. Includes peanut butter used in spreads, sandwiches, and cookies. ²Apparent disappearance represents stocks beginning of year plus production, minus stocks at end of year. Includes edible grades and oilstocks. ³Not published to avoid disclosure of individual operations. NASS, Crops Branch, (202) 720-2127, and ERS.

Table 3-22.—Peanuts: Area, yield, and production, by State and United States, 2015–2017

State	Area planted			Peanuts for nuts		
	2015	2016	2017	Area harvested		
				2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	200.0	175.0	195.0	196.0	172.0	193.0
Arkansas ¹	(NA)	24.0	30.0	(NA)	23.0	29.0
Florida	190.0	155.0	195.0	180.0	146.0	186.0
Georgia	785.0	720.0	835.0	777.0	706.0	825.0
Mississippi	44.0	39.0	44.0	41.0	38.0	43.0
New Mexico	5.0	8.0	7.6	4.9	8.0	7.6
North Carolina	90.0	101.0	119.0	87.0	99.0	117.0
Oklahoma	10.0	13.0	21.0	9.0	12.0	20.0
South Carolina	112.0	110.0	122.0	82.0	106.0	118.0
Texas	170.0	305.0	275.0	165.0	205.0	210.0
Virginia	19.0	21.0	27.0	19.0	21.0	27.0
United States	1,625.0	1,671.0	1,870.6	1,560.9	1,536.0	1,775.6

State	Peanuts for nuts					
	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
Alabama	3,250	3,600	3,650	637,000	619,200	704,450
Arkansas ¹	(NA)	4,800	5,100	(NA)	110,400	147,900
Florida	3,600	3,800	3,550	648,000	554,800	660,300
Georgia	4,330	3,900	4,380	3,364,410	2,753,400	3,613,500
Mississippi	3,500	4,000	4,100	143,500	152,000	176,300
New Mexico	3,130	2,800	3,500	15,337	22,400	26,600
North Carolina	3,480	3,530	4,100	302,760	349,470	479,700
Oklahoma	3,400	3,700	3,700	30,600	44,400	74,000
South Carolina	3,200	3,200	4,000	262,400	339,200	472,000
Texas	3,200	2,730	3,600	528,000	559,650	756,000
Virginia	3,650	3,650	4,550	69,350	76,650	122,850
United States	3,845	3,634	4,074	6,001,357	5,581,570	7,233,600

(NA) Not available. ¹ Estimates began in 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 3-23.—Peanuts: Marketing year average price, and value of production, by State and United States, 2015–2017

State	Marketing year average price per pound			Value of production		
	2015	2016	2017 ¹	2015	2016	2017 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	0.178	0.197	0.221	113,386	121,982	155,683
Arkansas ²	(NA)	0.185	0.212	(NA)	20,424	31,355
Florida	0.188	0.193	0.233	121,824	107,076	153,850
Georgia	0.192	0.186	0.216	645,967	512,132	780,516
Mississippi	0.174	0.182	0.207	24,969	27,664	36,494
New Mexico	0.215	0.200	0.289	3,297	4,480	7,687
North Carolina	0.221	0.213	0.236	66,910	74,437	113,209
Oklahoma	0.213	0.211	0.253	6,518	9,368	18,722
South Carolina	0.190	0.192	0.224	49,856	65,126	105,728
Texas	0.214	0.232	0.271	112,992	129,839	204,876
Virginia	0.214	0.204	0.244	14,841	15,637	29,975
United States	0.193	0.197	0.230	1,160,560	1,088,165	1,638,095

(NA) Not available. ¹ Based on marketings and monthly prices received from August 1, 2017 – December 31, 2017. ² Estimates began in 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 3-24.—Peanuts, farmer's stock: Support operations, United States, 2012/2013–2017/2018

Marketing year beginning August 1	Income support payment rates per short ton ¹	Program price levels per short ton		Put under support		Acquired by CCC under loan program	Owned by CCC at end of marketing year
		Loan ²	Target/Reference ³	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 short tons</i>	<i>Percent</i>	<i>1,000 short tons</i>	<i>1,000 short tons</i>
2012/2013	36.00/0.00	355.00	495.00	2,640	78.2	55.9	0.0
2013/2014	36.00/0.00	355.00	495.00	1,452	69.6	6.1	2.5
2014/2015	95.00	355.00	535.00	2,123	81.8	173.2	6.8
2015/2016	149.00	355.00	535.00	2,233	74.4	0.0	0.0
2016/2017	141.00	355.00	535.00	2,270	79.9	39.1	0.0
2017/2018	85.00	355.00	535.00	2,735	75.6	0.0	(NA)

¹ The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. The 2014 Act eliminated direct payments and replaced the counter-cyclical rate with a new reference price. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ² For 2009/2010-2013/2014, producers who participate in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. ³ Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴ Acquisitions as of March 30, 2018. FSA, Fibers, Peanuts, Tobacco, (202) 401-0062.

Table 3-25.—International oilseed, peanut: Area and production in specified countries, 2015/2016–2017/2018

Country	Area			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	290	324	363	930	1,288	792
Burma	885	885	885	1,375	1,375	1,375
Chad	882	971	950	932	1,040	1,000
China	4,616	4,727	4,900	16,440	17,290	17,800
India	4,552	5,339	5,000	4,470	6,700	6,500
Indonesia	615	600	580	1,130	1,120	1,075
Nigeria	2,802	2,680	2,700	3,467	3,029	3,200
Senegal	1,135	1,151	1,254	1,050	945	1,412
Sudan	1,465	2,315	1,800	1,042	1,826	1,400
Tanzania	1,625	1,000	1,000	1,836	1,100	1,100
Others	5,961	6,096	5,995	6,317	6,613	6,518
Total Foreign	24,828	26,088	25,427	38,989	42,326	42,172
United States	632	622	719	2,722	2,532	3,281
Total	25,460	26,710	26,146	41,711	44,858	45,453

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-26.—International meal, peanut: Production in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	114	122	117
Burkina	90	90	90
Burma	325	325	325
Chad	84	84	84
China	3,520	3,620	3,760
India	1,113	1,575	1,515
Nigeria	245	245	245
Senegal	40	54	76
Sudan	259	259	259
Tanzania	185	160	160
Others	613	609	616
Total Foreign	6,588	7,143	7,247
United States	132	162	135
Total	6,720	7,305	7,382

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-27.—Soybeans: Area, yield, production, and value, United States, 2008–2017

Year	Area planted	Soybeans for beans				
		Area harvested	Yield per acre	Production	Marketing year average price per bushel received by farmers	Value of production
	<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>
2008	75,718	74,681	39.7	2,967,007	9.97	29,458,225
2009	77,451	76,372	44.0	3,360,931	9.59	32,163,204
2010	77,404	76,610	43.5	3,331,306	11.30	37,571,277
2011	75,046	73,776	42.0	3,097,179	12.50	38,542,177
2012	77,198	76,144	40.0	3,042,044	14.40	43,723,144
2013	76,840	76,253	44.0	3,357,984	13.00	43,582,901
2014	83,276	82,591	47.5	3,927,090	10.10	39,474,861
2015	82,650	81,732	48.0	3,926,339	8.95	35,192,058
2016	83,433	82,696	52.0	4,296,086	9.47	40,690,798
2017	90,142	89,522	49.1	4,391,553	9.30	41,007,464

NASS, Crops Branch, (202) 720-2127.

Table 3-28.—Soybeans: Stocks on and off farms, United States, 2008–2017

Year beginning previous December	On farms				Off farms ¹			
	Dec. 1	Mar. 1	June 1	Sep. 1 ²	Dec. 1	Mar. 1	June 1	Sep. 1 ²
	<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>
2008	1,189,000	593,000	226,600	47,000	1,086,432	840,982	449,543	158,034
2009	1,229,500	656,500	226,300	35,100	1,109,050	645,289	369,859	103,098
2010	1,091,000	609,200	232,600	35,400	1,187,084	660,868	338,523	115,485
2011	1,139,000	505,000	217,700	48,500	1,230,885	743,800	401,583	166,513
2012	910,000	555,000	179,000	38,250	1,056,161	819,488	488,465	131,120
2013	955,000	456,700	171,100	39,550	1,198,621	541,320	263,564	101,007
2014	1,218,000	381,900	109,100	21,325	1,309,744	611,928	295,945	70,666
2015	1,308,500	609,200	246,300	49,700	1,405,577	717,399	380,768	140,910
2016	1,335,000	727,500	281,300	41,560	1,564,056	803,406	590,481	155,169
2017	1,485,000	668,500	332,500	87,900	1,675,679	1,070,433	633,356	213,695

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. ² Old crop only.
NASS, Crops Branch, (202) 720-2127.

Table 3-29.—Soybeans, soybean meal, and oil: Average price at specified markets, 2007–2016

Year ¹	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, f.o.b. Decatur	Soybean meal per short ton: 48 percent protein Decatur
	<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>
2007	12.22	52.03	335.94
2008	10.09	32.16	331.17
2009	9.65	35.95	311.27
2010	12.97	53.20	345.52
2011	13.49	51.90	393.53
2012	14.86	47.13	468.11
2013	13.51	38.23	489.94
2014	9.84	31.60	368.49
2015	9.45	29.86	324.56
2016 ²	9.64	32.55	316.88

¹ Year beginning September for soybeans and October for oil and meal. ² Preliminary.
ERS, Field Crops Branch, (202) 694-5300.

Table 3-30.—Soybeans: Supply and disappearance, United States, 2007–2016

Year beginning September	Supply				
	Stocks by position			Production	Total ¹
	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>
2007	143,000	430,810	573,810	2,677,117	3,260,798
2008	47,000	158,034	205,034	2,967,007	3,185,304
2009	35,100	103,098	138,198	3,360,931	3,513,717
2010	35,400	115,485	150,885	3,331,306	3,496,640
2011	48,500	166,513	215,013	3,097,179	3,328,324
2012	38,250	131,120	169,370	3,042,044	3,251,930
2013	39,550	101,007	140,557	3,357,984	3,570,318
2014	21,325	70,666	91,991	3,927,090	4,052,306
2015	49,700	140,910	190,610	3,929,160	4,140,490
2016 ²	41,560	155,169	196,729	4,296,086	4,318,328

Year beginning September	Disappearance			
	Crushed ³	Seed, feed and residual	Exports	Total
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2007	1,803,407	93,527	1,158,829	3,055,764
2008	1,661,922	105,890	1,279,294	3,047,106
2009	1,751,686	112,098	1,499,048	3,362,832
2010	1,648,043	128,607	1,504,978	3,281,627
2011	1,703,019	89,601	1,366,335	3,158,954
2012	1,688,903	94,944	1,327,526	3,111,373
2013	1,733,888	105,880	1,638,559	3,478,327
2014	1,873,494	145,779	1,842,423	3,861,696
2015	1,886,237	115,268	1,942,256	3,943,761
2016 ²	1,901,198	138,611	2,173,653	4,213,462

¹ Includes imports. ² Preliminary. ³ Reported by the U.S. Department of Commerce. ERS, Field Crops Branch, (202) 694-5300.

Table 3-31.—Soybeans: Support operations, United States, 2008/2009–2017/2018

Marketing year beginning September 1	Income support payment rates per bushels ¹	Program price levels per bushel		Put under loan		Acquired by CCC under loan program ⁴	Owned by CCC at end of marketing year
		Loan ²	Target/ Reference ³	Quantity	Percentage of production		
2008/2009	0.44/0.00	5.00	5.80	189	6.4	0	0
2009/2010	0.44/0.00	5.00	5.80	123	3.7	0	0
2010/2011	0.44/0.00	5.00	6.00	108	3.3	0	0
2011/2012	0.44/0.00	5.00	6.00	98	3.2	0	0
2012/2013	0.44/0.00	5.00	6.00	58	1.9	0	0
2013/2014	0.44/0.00	5.00	6.00	49	1.5	0	0
2014/2015	0.00	5.00	8.40	80	2.0	0	0
2015/2016	0.00	5.00	8.40	124	3.2	0	0
2016/2017	0.00	5.00	8.40	105	2.4	0	0
2017/2018	0.00	5.00	8.40	146	3.3	0	0

¹ The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. ² For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. ³ Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴ Acquisitions as of March 30, 2018. FSA, Feed Grains and Oilseeds, (202) 720-2711.

Table 3-32.—Soybeans for beans: Area, yield, and production, by State and United States, 2015–2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	500	420	350	490	410	345
Arkansas	3,200	3,130	3,530	3,170	3,100	3,500
Delaware	175	165	160	173	163	158
Florida	33	31	15	29	29	14
Georgia	325	260	155	310	240	150
Illinois	9,800	10,100	10,600	9,720	10,050	10,550
Indiana	5,550	5,650	5,950	5,500	5,630	5,940
Iowa	9,850	9,500	10,000	9,800	9,440	9,940
Kansas	3,900	4,050	5,150	3,860	4,010	5,110
Kentucky	1,840	1,790	1,950	1,810	1,780	1,940
Louisiana	1,430	1,230	1,270	1,390	1,190	1,250
Maryland	520	520	500	515	515	495
Michigan	2,030	2,070	2,280	2,020	2,060	2,270
Minnesota	7,600	7,550	8,150	7,550	7,490	8,090
Mississippi	2,300	2,040	2,190	2,270	2,020	2,170
Missouri	4,550	5,600	5,950	4,470	5,540	5,910
Nebraska	5,300	5,200	5,700	5,270	5,150	5,670
New Jersey	105	100	100	103	98	99
New York	305	330	270	301	320	265
North Carolina	1,820	1,690	1,700	1,730	1,660	1,690
North Dakota	5,750	6,050	7,100	5,720	5,990	7,050
Ohio	4,750	4,850	5,100	4,740	4,840	5,090
Oklahoma	395	485	655	375	470	640
Pennsylvania	580	580	590	575	575	585
South Carolina	475	420	400	370	405	390
South Dakota	5,150	5,200	5,650	5,120	5,170	5,610
Tennessee	1,750	1,660	1,690	1,720	1,630	1,660
Texas	130	165	210	115	145	185
Virginia	630	610	600	620	600	590
West Virginia	27	27	27	26	26	26
Wisconsin	1,880	1,960	2,150	1,870	1,950	2,140
United States	82,650	83,433	90,142	81,732	82,696	89,522

State	Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Alabama	41.0	32.0	46.0	20,090	13,120	15,870
Arkansas	49.0	47.0	51.0	155,330	145,700	178,500
Delaware	40.0	41.5	51.0	6,920	6,765	8,058
Florida	38.0	36.0	34.0	1,102	1,044	476
Georgia	43.0	30.0	42.0	13,330	7,200	6,300
Illinois	56.0	59.0	58.0	544,320	592,950	611,900
Indiana	50.0	57.5	54.0	275,000	323,725	320,760
Iowa	56.5	60.0	56.5	553,700	566,400	561,610
Kansas	38.5	48.0	37.0	148,610	192,480	189,070
Kentucky	49.0	50.0	53.0	88,690	89,000	102,820
Louisiana	41.0	48.5	54.0	56,990	57,715	67,500
Maryland	40.0	41.5	51.0	20,600	21,373	25,245
Michigan	49.0	50.5	42.5	98,980	104,030	96,475
Minnesota	50.0	52.0	47.0	377,500	389,480	380,230
Mississippi	46.0	48.0	53.0	104,420	96,960	115,010
Missouri	40.5	49.0	49.0	181,035	271,460	289,590
Nebraska	58.0	61.0	57.5	305,660	314,150	326,025
New Jersey	32.0	36.0	45.0	3,296	3,528	4,455
New York	43.0	41.0	45.0	12,943	13,120	11,925
North Carolina	32.0	35.0	40.0	55,360	58,100	67,600
North Dakota	32.5	41.5	34.0	185,900	248,585	239,700
Ohio	50.0	54.5	49.5	237,000	263,780	251,955
Oklahoma	31.0	29.0	29.0	11,625	13,630	18,560
Pennsylvania	44.0	44.0	48.0	25,300	25,300	28,080
South Carolina	26.5	31.0	38.0	9,805	12,555	14,820
South Dakota	46.0	49.5	43.0	235,520	255,915	241,230
Tennessee	46.0	45.0	50.0	79,120	73,350	83,000
Texas	26.0	31.0	37.0	2,990	4,495	6,845
Virginia	34.5	36.0	44.0	21,390	21,600	25,960
West Virginia	48.0	51.0	54.0	1,248	1,326	1,404
Wisconsin	49.5	55.0	47.0	92,565	107,250	100,580
United States	48.0	52.0	49.1	3,926,339	4,296,086	4,391,553

NASS, Crops Branch, (202) 720-2127.

Table 3-33.—Soybeans: Crushings, and oil and meal stocks, production, and foreign trade, United States, 2007–2016

Year beginning October	Soybeans crushed 1,000 bushels	Soybean oil			Soybean cake and meal		
		Stocks Oct. 1 Million pounds	Production Million pounds	Exports Million pounds	Stocks Oct. 1 1,000 tons	Production 1,000 tons	Exports 1,000 tons
2007	1,779,707	3,085	20,580	2,911	343	42,284	9,242
2008	1,649,558	2,485	18,745	2,193	294	39,102	8,497
2009	1,768,724	2,861	19,615	3,358	235	41,707	11,161
2010	1,633,349	3,406	18,888	3,233	302	39,251	9,081
2011	1,712,895	2,675	19,740	1,464	350	41,036	9,750
2012	1,677,279	2,590	19,820	2,163	300	39,875	11,146
2013	1,724,791	1,655	20,130	1,878	275	40,684	11,578
2014	1,903,278	1,165	21,399	2,014	250	45,062	13,107
2015	1,889,941	1,855	21,950	2,243	260	44,672	11,954
2016 ¹	1,908,305	1,687	22,123	2,556	264	44,787	11,601

¹ Preliminary.

ERS, Field Crops Branch, (202) 694-5300. Data from the U.S. Department of Commerce.

Table 3-34.—Soybeans for beans: Marketing year average price and value, by State and United States, 2015–2017

State	Marketing year average price per bushel			Value of production		
	2015 Dollars	2016 Dollars	2017 Dollars	2015 1,000 dollars	2016 1,000 dollars	2017 1,000 dollars
Alabama	8.95	9.83	9.80	179,806	128,970	155,526
Arkansas	9.46	9.83	9.75	1,469,422	1,432,231	1,740,375
Delaware	9.17	9.44	9.20	63,456	63,862	74,134
Florida	8.00	8.75	8.85	8,816	9,135	4,213
Georgia	9.25	10.10	9.75	123,303	72,720	61,425
Illinois	9.19	9.78	9.60	5,002,301	5,799,051	5,874,240
Indiana	9.16	9.69	9.55	2,519,000	3,136,895	3,063,258
Iowa	8.91	9.34	9.25	4,933,467	5,290,176	5,194,893
Kansas	8.56	9.26	8.95	1,272,102	1,782,365	1,692,177
Kentucky	9.24	9.87	9.65	819,496	878,430	992,213
Louisiana	9.74	9.93	9.70	555,083	573,110	654,750
Maryland	9.11	9.33	9.20	187,666	199,410	232,254
Michigan	8.82	9.51	9.30	873,004	989,325	897,218
Minnesota	8.75	9.23	9.15	3,303,125	3,594,900	3,479,105
Mississippi	9.72	9.94	9.80	1,014,962	963,782	1,127,098
Missouri	9.16	9.60	9.40	1,658,281	2,606,016	2,722,146
Nebraska	8.66	9.18	9.05	2,647,016	2,883,897	2,950,526
New Jersey	8.64	9.59	9.40	28,477	33,834	41,877
New York	9.10	9.57	9.30	117,781	125,558	110,903
North Carolina	8.68	9.80	9.45	480,525	569,380	638,820
North Dakota	8.49	8.97	8.90	1,578,291	2,229,807	2,133,330
Ohio	9.16	9.66	9.50	2,170,920	2,548,115	2,393,573
Oklahoma	8.80	9.40	9.05	102,300	128,122	167,968
Pennsylvania	8.69	9.54	9.25	219,857	241,362	259,740
South Carolina	8.65	9.68	9.30	84,813	121,532	137,826
South Dakota	8.54	9.03	8.90	2,011,341	2,310,912	2,146,947
Tennessee	9.29	9.78	9.70	735,025	717,363	805,100
Texas	8.40	9.16	8.90	25,116	41,174	60,921
Virginia	8.80	9.40	9.30	188,232	203,040	241,428
West Virginia	8.80	9.40	9.30	10,982	12,464	13,057
Wisconsin	8.73	9.36	9.35	808,092	1,003,860	940,423
United States	8.95	9.47	9.30	35,192,058	40,690,798	41,007,464

NASS, Crops Branch, (202) 720-2127.

Table 3-35.—International oilseed, soybean: Area and production in specified countries, 2015/2016–2017/2018

Country	Area			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	1,000 hectares	1,000 hectares	1,000 hectares	1,000 metric tons	1,000 metric tons	1,000 metric tons
Argentina	19,350	17,400	16,800	58,800	55,000	37,000
Bolivia	1,336	1,133	1,400	3,205	2,107	2,600
Brazil	33,300	33,900	35,100	96,500	114,600	119,500
Canada	2,233	2,232	2,900	6,456	6,597	8,000
China	6,506	7,200	7,850	11,785	12,900	14,200
India	867	803	927	2,320	2,410	2,667
Paraguay	11,605	11,183	10,400	6,929	10,992	8,350
Russia	3,264	3,400	3,460	9,217	10,200	10,000
Ukraine	2,082	2,118	2,568	2,707	3,134	3,621
Uruguay	2,137	1,858	1,976	3,932	4,286	3,890
Others	4,326	4,398	4,685	6,869	8,969	7,357
Total Foreign	87,006	85,625	88,066	208,720	231,195	217,185
United States	33,076	33,466	36,228	106,857	116,920	119,518
Total	120,082	119,091	124,294	315,577	348,115	336,703

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-36.—Soybeans: United States exports by country of destination, 2015–2017

Country of destination	2015	2016	2017
	Metric tons	Metric tons	Metric tons
China	27,254,811	35,969,403	31,996,679
Mexico	3,581,452	3,630,773	3,914,594
Netherlands	1,119,010	1,961,397	2,882,304
Indonesia	1,886,972	2,564,258	2,396,149
Japan	2,395,100	2,358,137	2,299,341
Taiwan	1,346,229	1,502,876	1,449,916
Thailand	550,764	902,414	1,196,195
Pakistan	314,363	321,834	1,143,986
Bangladesh	768,685	606,638	1,046,891
Egypt	418,100	261,215	1,010,074
Vietnam	650,162	842,402	744,660
Korea, South	496,118	520,684	676,403
Germany(*)	2,191,796	1,256,410	610,527
Colombia	517,011	497,404	554,157
Spain	1,041,898	895,232	542,201
Malaysia	320,499	391,666	439,022
Canada	210,992	282,155	385,318
Turkey	509,696	157,369	322,238
Costa Rica	269,409	307,252	296,126
Philippines	108,783	259,067	235,161
Tunisia	152,036	362,771	221,094
Saudi Arabia	280,840	214,841	214,626
Portugal	197,565	57,812	123,156
Peru	162,789	141,731	109,471
Rest of World	1,402,691	1,449,331	732,595
World Total	48,147,770	57,715,071	55,542,883

(*) Denotes a country that is a summarization of its component countries.
 FAS, Office of Global Analysis, (202) 720–6301. Data Source: U.S. Census Bureau Trade Data.

Table 3-37.—Soybean oil: United States exports by country of destination, 2015–2017

Country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Korea, South	48,930	81,697	264,506
Mexico	231,865	257,374	241,240
Dominican Republic	111,377	108,001	176,792
Colombia	32,468	74,950	89,426
Guatemala	42,839	42,977	52,752
Jamaica	24,301	31,328	33,489
Morocco	81,474	19,005	30,432
China	17,259	143,269	30,332
Canada	26,919	16,388	23,035
Nicaragua	21,713	12,610	15,293
Algeria	10,409	14,700	14,997
Venezuela	81,919	50,090	12,402
Mozambique	3,959	0	12,200
Trinidad and Tobago	10,480	11,014	10,030
El Salvador	6,584	134	8,407
Pakistan	13,101	7,253	7,393
Panama	3,954	6,308	6,583
Hong Kong	962	865	6,029
Senegal	10,000	7,936	5,810
Costa Rica	5,491	36	4,121
Honduras	1,425	575	3,922
United Arab Emirates	5,958	3,065	3,582
Japan	2,584	2,681	2,731
Saudi Arabia	6,102	1,494	2,663
Rest of World	159,960	114,307	12,676
World Total	962,033	1,008,054	1,070,843

Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301.

Table 3-38.—Soybean cake and meal: United States exports by country of destination, 2015–2017

Country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Philippines	1,509,177	1,847,953	2,041,099
Mexico	2,014,006	2,171,483	1,631,863
Colombia	759,258	720,861	973,684
Canada	820,255	770,297	915,373
Dominican Republic	472,833	506,169	486,452
Guatemala	362,685	371,259	367,122
Thailand	802,493	402,050	366,966
Venezuela	540,926	311,944	301,804
Peru	203,017	291,024	254,811
Japan	174,999	159,843	250,055
Honduras	223,776	234,150	238,472
Morocco	139,029	157,119	215,372
Saudi Arabia	72,711	126,689	207,975
Panama	192,767	210,521	200,093
El Salvador	180,595	199,060	192,725
Vietnam	319,107	211,469	192,398
Ecuador	371,322	350,931	184,928
Israel(*)	44,257	17,065	156,613
Sri Lanka	128,180	148,828	153,076
Bangladesh	55,759	143,424	121,056
Jamaica	109,510	117,451	116,497
Pakistan	45,137	84	115,849
Spain	315,479	31	114,261
Turkey	30,150	58,002	110,755
Rest of World	1,610,806	1,081,214	794,089
World Total	11,498,233	10,608,921	10,703,388

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics.

Table 3-39.—International oil, soybean: Production in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	8,433	8,395	7,340
Bolivia	475	380	475
Brazil	7,627	7,755	8,250
China	14,605	15,770	16,486
Egypt	209	400	554
European Union	2,841	2,736	2,831
India	990	1,620	1,368
Mexico	785	820	892
Paraguay	720	711	701
Russia	717	788	833
Others	4,171	4,284	4,670
Total Foreign	41,573	43,659	44,400
United States	9,956	10,035	10,632
Total	51,529	53,694	55,032

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-40.—International trade: Meal, soybean in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	30,333	31,323	26,200
Bolivia	1,726	1,264	1,690
Brazil	15,407	13,762	16,350
Canada	334	292	300
China	1,909	1,111	900
European Union	304	334	375
India	409	2,008	1,400
Paraguay	2,552	2,407	2,430
Russia	479	323	365
Ukraine	347	303	375
Others	857	844	781
Total Foreign	54,657	53,971	51,166
United States	10,844	10,505	12,247
Total	65,501	64,476	63,413
Principle importing countries:			
Colombia	1,206	1,284	1,425
European Union	19,207	18,924	18,500
Indonesia	4,203	4,255	4,400
Japan	1,721	1,621	1,650
Korea, South	2,118	1,764	1,800
Malaysia	1,291	1,427	1,525
Mexico	2,367	1,991	2,000
Philippines	2,618	2,660	2,750
Thailand	2,433	2,782	2,850
Vietnam	5,094	4,945	4,800
Others	19,234	18,570	18,097
Total Foreign	61,492	60,223	59,797
United States	366	317	454
Total	61,858	60,540	60,251

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-41.—International trade: Oil, soybean in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	5,698	5,387	3,700
Bolivia	444	236	380
Brazil	1,550	1,241	1,525
Canada	151	175	160
China	96	118	150
European Union	915	831	825
Malaysia	148	137	135
Paraguay	709	680	670
Russia	431	529	570
Ukraine	152	177	170
Others	458	584	484
Total Foreign	10,752	10,095	8,769
United States	1,017	1,159	1,111
Total	11,769	11,254	9,880
Principle importing countries:			
Algeria	732	667	720
Bangladesh	639	830	780
China	586	711	450
Colombia	372	352	355
Egypt	325	285	245
India	4,269	3,534	3,300
Iran	299	257	250
Morocco	250	306	285
Peru	465	497	500
Venezuela	382	449	400
Others	3,189	2,807	2,627
Total Foreign	11,508	10,695	9,912
United States	130	145	143
Total	11,638	10,840	10,055

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-42.—International trade: Oil, soybean local in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	5,386	4,725	3,600
Brazil	1,250	1,323	1,550
Total Foreign	6,636	6,048	5,150
Total	6,636	6,048	5,150

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-43.—International trade: Oilseed, soybean in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	9,922	7,026	3,100
Brazil	54,383	63,137	75,500
Canada	4,236	4,591	5,500
China	114	114	150
European Union	144	220	275
India	134	269	250
Paraguay	5,400	6,129	6,250
Russia	456	375	800
Ukraine	2,369	2,904	2,700
Uruguay	2,124	3,214	1,650
Others	364	406	143
Total Foreign	79,646	88,385	96,318
United States	52,870	58,960	56,744
Total	132,516	147,345	153,062
Principle importing countries:			
Argentina	676	1,674	3,900
China	83,230	93,495	97,000
Egypt	1,300	2,115	3,050
European Union	15,120	13,422	14,100
Indonesia	2,274	2,649	2,700
Japan	3,186	3,175	3,250
Mexico	4,126	4,126	4,600
Taiwan	2,476	2,566	2,550
Thailand	2,798	3,077	3,150
Turkey	2,283	2,271	2,600
Others	15,228	15,147	16,978
Total Foreign	132,697	143,717	153,878
United States	641	606	599
Total	133,338	144,323	154,477

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-44.—International trade: Oilseed, Soybeans local in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	9,046	7,245	2,900
Brazil	52,100	68,807	74,100
Total Foreign	61,146	76,052	77,000
Total	61,146	76,052	77,000
Principle importing countries:			
Argentina	1,304	2,600	3,675
Brazil	362	267	425
Total Foreign	1,666	2,867	4,100
Total	1,666	2,867	4,100

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-45.—Sunflower, all: Area, yield, production, and value, United States, 2008–2017

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>
2008	2,516.5	2,396.0	1,429	3,422,840	21.80	704,105
2009	2,030.0	1,953.5	1,554	3,036,460	15.10	458,959
2010	1,951.5	1,873.8	1,460	2,735,570	23.30	633,778
2011	1,543.0	1,457.8	1,398	2,038,275	29.10	589,282
2012	1,920.0	1,840.0	1,487	2,736,060	25.40	699,970
2013	1,575.5	1,464.6	1,380	2,021,765	21.40	443,296
2014	1,565.3	1,510.1	1,469	2,219,050	21.70	497,775
2015	1,859.1	1,799.4	1,625	2,923,730	19.60	574,156
2016	1,596.6	1,532.0	1,731	2,651,635	17.40	464,015
2017	1,403.0	1,344.7	1,613	2,168,737	17.60	389,168

NASS, Crops Branch, (202) 720-2127.

Table 3-46.—Sunflower, oil varieties: Area, yield, production, and value, United States, 2008–2017

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>
2008	2,163.0	2,062.0	1,452	2,993,510	19.50	572,979
2009	1,698.0	1,653.0	1,563	2,584,010	13.80	359,331
2010	1,463.0	1,422.5	1,458	2,074,500	22.60	457,135
2011	1,289.5	1,233.4	1,397	1,722,675	28.00	480,412
2012	1,658.0	1,589.8	1,484	2,359,775	24.40	580,404
2013	1,279.0	1,200.9	1,363	1,637,205	19.30	322,605
2014	1,174.0	1,139.5	1,460	1,664,090	19.30	323,469
2015	1,550.5	1,510.0	1,579	2,383,870	18.20	434,795
2016	1,418.0	1,368.5	1,731	2,369,015	16.90	403,850
2017	1,216.0	1,172.0	1,585	1,857,105	17.20	320,884

NASS, Crops Branch, (202) 720-2127.

Table 3-47.—Sunflower, non-oil varieties: Area, yield, production, and value, United States, 2008–2017

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>
2008	353.5	334.0	1,285	429,330	31.30	131,126
2009	332.0	300.5	1,506	452,450	22.10	99,628
2010	488.5	451.3	1,465	661,070	26.60	176,643
2011	253.5	224.4	1,406	315,600	33.80	108,870
2012	262.0	250.2	1,504	376,285	29.60	119,566
2013	296.5	263.7	1,458	384,560	31.30	120,691
2014	391.3	370.6	1,497	554,960	31.50	174,306
2015	308.6	289.4	1,865	539,860	26.60	139,361
2016	178.6	163.5	1,729	282,620	21.20	60,165
2017	187.0	172.7	1,804	311,632	21.60	68,284

NASS, Crops Branch, (202) 720-2127.

Table 3-48.—Sunflower, all: Area, yield, production, and value, by type, State and United States, 2016–2017

Type and State	Area planted		Area harvested		Yield per harvested acre	
	2016	2017	2016	2017	2016	2017
Oil:	<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>
California	45.0	54.0	44.5	52.5	1,350	1,050
Colorado	60.0	80.0	57.0	74.0	1,200	1,030
Kansas	45.0	52.0	42.0	50.0	1,370	1,420
Minnesota	66.0	34.0	64.0	33.0	1,500	1,800
Nebraska	29.0	30.0	28.0	28.5	1,350	1,440
North Dakota	630.0	395.0	610.0	384.0	1,730	1,630
South Dakota	510.0	540.0	495.0	520.0	1,940	1,700
Texas	33.0	31.0	28.0	30.0	1,200	1,480
United States	1,418.0	1,216.0	1,368.5	1,172.0	1,731	1,585
Non-oil:						
California	1.6	1.3	1.5	1.3	1,200	1,000
Colorado	14.0	12.0	13.0	11.0	1,700	1,300
Kansas	18.0	13.5	16.0	12.2	1,570	1,460
Minnesota	14.0	4.7	13.5	4.2	1,300	1,950
Nebraska	12.5	15.5	11.0	15.0	1,850	1,870
North Dakota	58.0	43.0	53.0	42.0	1,550	1,690
South Dakota	48.0	82.0	45.0	74.0	2,150	2,100
Texas	12.5	15.0	10.5	13.0	1,600	1,200
United States	178.6	187.0	163.5	172.7	1,729	1,804
Total:						
California	46.6	55.3	46.0	53.8	1,345	1,049
Colorado	74.0	92.0	70.0	85.0	1,293	1,065
Kansas	63.0	65.5	58.0	62.2	1,425	1,428
Minnesota	80.0	38.7	77.5	37.2	1,465	1,817
Nebraska	41.5	45.5	39.0	43.5	1,491	1,588
North Dakota	688.0	438.0	663.0	426.0	1,716	1,636
South Dakota	558.0	622.0	540.0	594.0	1,958	1,750
Texas	45.5	46.0	38.5	43.0	1,309	1,395
United States	1,596.6	1,403.0	1,532.0	1,344.7	1,731	1,613
Type and State	Production		Marketing year average price per cwt		Value of production	
	2016	2017	2016	2017	2016	2017
Oil:	<i>1,000 lbs</i>	<i>1,000 lbs</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
California	60,075	55,125	23.00	21.00	13,817	11,576
Colorado	68,400	76,220	(D)	(D)	(D)	(D)
Kansas	57,540	71,000	(D)	17.60	(D)	12,496
Minnesota	96,000	59,400	18.60	(D)	17,856	(D)
Nebraska	37,800	41,040	15.90	15.90	6,010	6,525
North Dakota	1,055,300	625,920	17.10	17.80	180,456	111,414
South Dakota	960,300	884,000	(D)	(D)	(D)	(D)
Texas	33,600	44,400	17.00	18.00	5,712	7,992
Other States ¹ .....	.....	.....	16.60	16.80	179,999	170,881
United States	2,369,015	1,857,105	16.90	17.20	403,850	320,884
Non-oil:						
California	1,800	1,300	24.00	25.00	432	325
Colorado	22,100	14,300	(D)	(D)	(D)	(D)
Kansas	25,120	17,812	(D)	21.40	(D)	3,812
Minnesota	17,550	8,190	23.30	(D)	4,089	(D)
Nebraska	20,350	28,050	25.40	27.30	5,169	7,658
North Dakota	82,150	70,980	23.20	22.00	19,059	15,616
South Dakota	96,750	155,400	(D)	(D)	(D)	(D)
Texas	16,800	15,600	22.00	25.00	3,696	3,900
Other States ¹ .....	.....	.....	19.30	20.80	27,720	36,973
United States	282,620	311,632	21.20	21.60	60,165	68,284
Total:						
California	61,875	56,425	23.00	21.10	14,249	11,901
Colorado	90,500	90,520	15.30	16.60	13,883	15,027
Kansas	82,660	88,812	16.50	18.50	13,632	16,308
Minnesota	113,550	67,590	19.10	19.10	21,945	13,342
Nebraska	58,150	69,090	19.20	20.50	11,179	14,183
North Dakota	1,137,450	696,900	17.70	18.40	199,515	127,030
South Dakota	1,057,050	1,039,400	16.80	16.70	180,204	179,485
Texas	50,400	60,000	18.70	19.80	9,408	11,892
United States	2,651,635	2,168,737	17.40	17.60	464,015	389,168

(D) Withheld to avoid disclosing data for individual operations. ¹ Includes data withheld above.
 NASS, Crops Branch, (202) 720-2127.

Table 3-49.—International Oilseed, sunflowerseed: Area and production in specified countries, 2015/2016–2017/2018

Country	Area			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	1,000 hectares	1,000 hectares	1,000 hectares	1,000 metric tons	1,000 metric tons	1,000 metric tons
Argentina	1,415	1,820	1,670	3,000	3,550	3,500
China	1,036	1,153	1,250	2,698	2,990	3,120
European Union	4,171	4,130	4,308	7,721	8,598	9,679
Kazakhstan	701	807	883	534	755	903
Moldova	330	362	385	525	677	800
Russia	6,454	7,175	7,146	9,173	10,858	10,362
Serbia	188	220	220	450	650	540
South Africa	719	636	605	755	874	800
Turkey	550	600	700	1,100	1,320	1,550
Ukraine	5,500	6,400	6,400	11,900	15,200	13,700
Others	1,611	1,490	1,463	1,355	1,293	1,374
Total Foreign	22,675	24,793	25,030	39,211	46,765	46,328
United States	728	620	544	1,326	1,203	984
Total	23,403	25,413	25,574	40,537	47,968	47,312

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-50.—Sunflowerseed: United States exports by country of destination, 2015–2017

Country	2015	2016	2017
	Metric tons	Metric tons	Metric tons
Mexico	15,806	19,420	22,803
Spain	22,130	21,324	19,706
Canada	21,662	18,343	17,168
Turkey	5,567	5,018	2,582
Israel(*)	2,162	2,493	2,491
Egypt	1,978	2,039	2,210
Korea, South	2,889	2,381	1,818
Greece	1,920	1,610	1,559
Jordan	2,524	3,066	1,472
Morocco	451	454	1,205
Japan	1,297	1,104	1,068
Romania	780	1,188	684
United Kingdom	497	444	656
Germany(*)	285	504	577
Colombia	37	390	466
Argentina	0	0	354
Lebanon	264	231	287
Ecuador	535	376	269
Belgium-Luxembourg(*)	39	0	266
Bulgaria	21	0	180
Kuwait	506	649	164
Malaysia	11	16	123
China	60	37	110
Singapore	54	110	90
Rest of World	16,120	7,510	340
World Total	97,594	88,706	78,646

(*) Denotes a country that is a summarization of its component countries.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 3-51.—Sunflowerseed oil: United States exports by country of destination, 2014–2016

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Canada	17,609	18,473	18,946
Mexico	4,661	4,734	9,528
Japan	3,942	3,327	3,431
Taiwan	63	587	835
Honduras	5	306	702
Vietnam	1,140	258	664
Colombia	1	11	534
China	418	254	505
Guyana	0	22	357
Netherlands	2,531	198	279
Latvia	0	0	236
Korea, South	633	8	235
Ecuador	0	0	88
India	8	0	42
Costa Rica	518	149	41
Thailand	13	28	25
Jordan	0	0	22
Indonesia	4	61	20
Venezuela	0	0	15
United Kingdom	4,094	0	15
Panama	0	0	12
Netherlands Antilles(*)	0	0	8
Malaysia	0	0	6
Singapore	48	33	5
Brazil	0	0	4
Barbados	2	0	3
South Africa	0	0	2
Uruguay	0	0	2
Ireland	0	0	2
Rest of World	3,166	554	2
World Total	38,855	29,003	36,565

(*) Denotes a country that is a summarization of its component countries. FAS, Office of Global Analysis, (202) 720–6301.

Table 3-52.—International oil, sunflowerseed: Production in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	1,142	1,288	1,465
Burma	131	131	131
China	502	609	681
European Union	3,042	3,338	3,634
Kazakhstan	132	180	205
Russia	3,552	4,171	4,130
Serbia	153	191	204
South Africa	335	348	348
Turkey	587	761	890
Ukraine	5,010	6,351	5,891
Others	585	586	624
Total foreign	15,171	17,954	18,203
United States	205	211	200
Total	15,376	18,165	18,403

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-53.—Sunflowerseed cake and meal: United States exports by country of destination, 2014–2016

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Thailand	-	-	5,140
Canada	4,747	4,396	3,293
Mexico	-	-	1,371
Venezuela	-	-	1,177
Indonesia	196	2,631	406
Jordan	-	-	100
Vietnam	-	-	100
Germany(*)	1,036	-	-
Rest of World	2,585	-	-
World Total	8,564	7,027	11,585

(*) Denotes a country that is a summarization of its component countries.

Data source: U.S. Census Bureau Trade Data.
FAS, Office of Global Analysis, (202) 720–6301.**Table 3-54.—Mint oil: Production and value, by State and United States, 2015–2017**

State	Production			Price per pound			Value of production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</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>
Peppermint:									
California	162	172	164	24.80	23.00	22.80	4,018	3,956	3,739
Idaho	1,596	1,694	1,680	21.40	19.90	17.60	34,154	33,711	29,568
Indiana	400	490	302	24.00	22.00	21.50	9,600	10,780	6,493
Michigan ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Oregon	1,995	1,658	1,995	23.00	21.40	19.40	45,885	35,481	38,703
Washington	1,540	1,518	1,440	19.90	20.50	16.50	30,646	31,119	23,760
Wisconsin	(D)	183	197	(D)	24.90	18.50	(D)	4,557	3,645
Other States ²	195	-	-	22.10	-	-	4,307	-	-
United States	5,888	5,715	5,778	21.80	20.90	18.30	128,610	119,604	105,908
Spearmint:									
Idaho	189	(D)	(D)	19.20	(D)	(D)	3,629	(D)	(D)
Indiana	189	264	167	20.00	18.00	17.00	3,780	4,752	2,839
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	338	313	263	19.70	18.00	19.50	6,659	5,634	5,129
Washington	2,078	2,315	2,100	17.90	17.10	15.60	37,216	39,675	32,832
Native	1,378	1,535	1,320	17.00	16.70	16.60	23,426	25,635	21,912
Scotch	700	780	780	19.70	18.00	14.00	13,790	14,040	10,920
Wisconsin ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ²	136	316	266	17.50	16.80	17.10	2,380	5,317	4,536
United States	2,930	3,208	2,796	18.30	17.30	16.20	53,664	55,378	45,336

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Estimates discontinued in 2016. ² Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.**Table 3-55.—Peppermint oil: Area, yield, production, and value, United States, 2008–2017**

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	60.0	92	5,499	15.90	87,450
2009	69.8	91	6,379	20.10	128,118
2010	72.8	89	6,495	20.30	131,805
2011	75.5	89	6,700	23.10	154,626
2012	75.7	87	6,549	24.10	158,121
2013	68.5	89	6,115	23.90	146,260
2014	63.5	90	5,719	23.00	131,364
2015	65.3	90	5,888	21.80	128,610
2016	63.6	90	5,715	20.90	119,604
2017	60.4	96	5,778	18.30	105,908

NASS, Crops Branch (202), 720–2127.

Table 3-56.—Spearmint oil: Area, yield, production, and value, United States, 2008–2017

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	20.4	118	2,399	14.90	35,765
2009	20.5	132	2,698	16.50	44,597
2010	18.6	125	2,318	16.20	37,553
2011	17.3	132	2,286	18.60	42,438
2012	20.0	119	2,386	19.50	46,521
2013	24.5	119	2,926	18.90	55,283
2014	24.4	114	2,784	19.80	54,977
2015	25.8	114	2,930	18.30	53,664
2016	24.5	131	3,208	17.30	55,378
2017	22.3	125	2,796	16.20	45,336

NASS, Crops Branch, (202) 720-2127.

Table 3-57.—International oil, olive: Production in specified countries, 2015/2016–2017/2018

Country	2015/2016	2016/2017	2017/2018
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Algeria	82	63	80
Argentina	22	38	44
Australia	20	21	21
European Union	2,324	1,745	2,200
Jordan	30	20	25
Lebanon	23	25	23
Morocco	130	110	140
Syria	110	110	100
Tunisia	140	100	280
Turkey	170	177	280
Others	62	58	59
Total foreign	3,113	2,467	3,252
United States	14	15	16
Total	3,127	2,482	3,268

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-58.—Fats and oils: Wholesale price per pound, 2012–2016¹

Item and market	2012	2013	2014	2015	2016
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Coconut oil, crude, tanks, f.o.b. New York	54.40	44.26	60.21	52.27	69.12
Corn oil, crude, tank cars, f.o.b. Decatur	55.74	43.13	38.36	38.24	29.24
Cottonseed oil, crude, tank cars, f.o.b. Valley	53.00	46.60	60.33	47.01	45.81
Palm oil, U.S. ports, refined	48.13	41.13	39.86	32.10	34.39
Canola oil, Midwest	57.56	52.81	42.46	36.70	36.44
Soybean oil, crude, tank cars, f.o.b. Decatur	51.02	44.98	36.83	30.20	31.58
Sunflower oil, crude, Minneapolis	77.98	62.79	59.77	38.03	55.27
Tallow, edible, number 1 delivered Chicago	47.99	42.52	38.91	28.44	32.96

¹ All prices are calendar year basis.
ERS, Market and Trade Economics Division, Field Crops Branch, (202) 694-5300. Compiled from the Chemical Marketing Reporter, Milling and Baking News, and the Agricultural Marketing Service.

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.

Commercial vegetables for fresh market include 26 principal vegetable and melon crops in the major producing States. These estimates relate to crops which are grown primarily for sale and do not include vegetables and melons produced in farm and non-farm gardens. The bulk of the production of the principal vegetable and melon crops is for consumption in the fresh state. The commercial estimates of these 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 an f.o.b. basis.

For processing vegetables, the estimates of area, production, and value for each of 10 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. The processed segment of production for asparagus, broccoli, and cauliflower, combined with fresh market production during the year, is published separately at the end of the season. For processed vegetables, value per unit and total value are at processing plant door.

Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

Table 4-1.—Vegetables, commercial: Area, production, and value of principal crops, United States, 2008-2017

Year	Area ¹	
	Fresh market ²	Processing ³
	Acres	Acres
2008	1,710,884	1,224,410
2009	1,681,774	1,264,849
2010	1,685,155	1,142,000
2011	1,624,535	1,057,480
2012	1,626,510	1,135,605
2013	1,628,010	1,053,160
2014	1,571,860	1,097,770
2015	1,561,350	1,075,750
2016 ⁴	(NA)	(NA)
2017	(NA)	(NA)
Year	Production ⁵	
	Fresh market ²	Processing ³
	1,000 cwt	Tons
2008	445,551	17,473,670
2009	437,980	19,518,030
2010	438,324	17,599,990
2011	426,656	17,001,540
2012	429,988	18,225,775
2013	418,009	17,168,580
2014	409,104	19,248,660
2015	404,590	19,371,595
2016	375,305	19,985,548
2017	(NA)	(NA)
Year	Value ⁶	
	Fresh market ²	Processing ³
	1,000 dollars	1,000 dollars
2008	10,297,645	1,896,796
2009	10,757,613	2,102,214
2010	10,777,069	1,659,332
2011	10,532,246	1,771,192
2012	9,797,128	2,002,481
2013	11,488,248	2,092,316
2014	10,729,140	2,326,419
2015	14,643,712	2,196,736
2016	11,084,467	2,280,068
2017	(NA)	(NA)

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. For Table 4-1, 2016 and 2017 has fresh market production, processing production, fresh market value, and processing value.

(NA) Not applicable. ¹Area 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. ²Area, production, and farm value of the following crops for which regular seasonal estimates are prepared in major producing States: Artichokes, asparagus, snap beans, broccoli, cabbage, cantaloups, carrots, cauliflower, celery, sweet corn, cucumbers, garlic, honeydew melons, head lettuce, leaf lettuce, romaine lettuce, onions, bell peppers, chile peppers, pumpkins, spinach, squash, tomatoes, and water-melons. ³Area, production, and farm value of the following 8 crops in all States: Lima beans, snap beans, carrots, sweet corn, cucumbers (pickles), green peas, spinach, and tomatoes. Production of other vegetables processed included in fresh market series of estimates. ⁴Beginning in 2016, acreage estimates for fresh market and processing utilizations were discontinued. ⁵Production for fresh market excludes some quantities not marketed because of low prices or other economic factors. ⁶Value for all fresh market vegetables. For processing vegetables, value at processing plant door.

NASS, Crops Branch, (202) 720-2127.

Table 4-2.—Vegetables, commercial: Area of principal crops, by State and United States, 2015–2017 ¹

State	Fresh market ²	Processing ³	Total acres harvested	
	2015	2015	2016	2017
	Acres	Acres	Acres	Acres
Alabama	4,900	.....	3,500	5,400
Arizona	112,800	.....	124,400	131,600
Arkansas	2,300	.....	.....	.....
California	711,900	313,550	1,016,300	971,500
Colorado	11,750	.....	(D)	(D)
Connecticut	3,600	.....	.....	.....
Delaware	5,900	28,000	(D)	(D)
Florida	154,500	.....	159,900	164,900
Georgia	90,100	2,750	93,300	90,200
Idaho	8,000	.....	13,400	11,900
Illinois	20,800	36,100	55,300	46,100
Indiana	14,400	.....	33,100	30,800
Maine	1,400	.....	.....	.....
Maryland	8,670	11,490	18,600	(D)
Massachusetts	3,300	.....	.....	.....
Michigan	47,900	.....	104,500	101,100
Minnesota .....	.....	158,000	166,800	164,540
Mississippi	1,800	.....	.....	.....
Missouri	2,600	(D)	2,700	3,000
Nevada	4,200	.....	.....	.....
New Hampshire	1,300	.....	.....	.....
New Jersey	22,600	3,800	27,900	27,700
New Mexico	13,300	.....	14,800	14,700
New York	56,210	39,510	87,100	86,400
North Carolina	28,300	.....	38,200	37,100
Ohio	29,100	9,700	37,000	36,300
Oklahoma	4,000	.....	.....	.....
Oregon	29,400	51,800	(D)	(D)
Pennsylvania	18,730	.....	23,900	24,250
Rhode Island	(D)	.....	.....	.....
South Carolina	14,500	.....	14,300	(D)
Tennessee	10,990	.....	15,600	14,300
Texas	49,050	8,270	63,800	66,400
Utah	1,300	.....	.....	.....
Vermont	(D)	.....	.....	.....
Virginia	8,360	.....	(D)	4,900
Washington	54,100	127,930	174,200	154,700
Wisconsin	8,000	172,220	(D)	(D)
Other States ⁴	1,290	112,630	292,600	294,330
United States	1,561,350	1,075,750	2,581,200	2,482,120

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Table 4-2 shows total area harvested for 2016 and 2017.

(D) Withheld to avoid disclosing data for individual operations. ¹ Area for fresh market and for processing is area harvested. ² Area of the following crops for which regular seasonal estimates are prepared in major producing States: Artichokes, asparagus, snap beans, broccoli, cabbage, cantaloups, carrots, cauliflower, celery, sweet corn, cucumbers, garlic, honeydew melons, head lettuce, leaf lettuce, romaine lettuce, onions, bell peppers, Chile pepper, spinach, tomatoes, and watermelons. ³ Includes Lima beans, snap beans, carrots, sweet corn, cucumbers (pickles), green peas, spinach, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ⁴ Other States include Alabama, Arkansas, Florida, Iowa, Idaho, Indiana, Massachusetts, Michigan, North Carolina, Pennsylvania, and South Carolina.

NASS, Crops Branch, (202) 720-2127.

Table 4-3.—Vegetables, commercial: Production of principal crops, by State and United States, 2015–2017

State	Fresh market ¹		Processing ²		Total Production	
	2015 1,000 cwt	2016 1,000 cwt	2015 tons	2016 Tons	2016 1,000 cwt	2017 1,000 cwt
Alabama	860			16,450	329	756
Arizona	29,510	35,480		5,700	35,534	36,376
Arkansas	490					
California	207,069	197,205	14,483,930	13,571,200	470,045	422,523
Colorado	4,462	1,322		200	(D)	(D)
Connecticut	209					
Delaware	1,150	1,268	99,190	89,450	(D)	(D)
Florida	31,177	31,069		100,900	32,294	36,696
Georgia	18,540	18,765	15,390	22,243	19,428	20,856
Idaho	5,760	4,868		103,800	8,374	6,229
Illinois	3,759	2,464	153,950	401,350	10,537	9,204
Indiana	3,018	4,562		254,830	10,103	9,316
Maine	85					
Maryland	1,398	1,397	50,780	47,850	2,928	(D)
Massachusetts	251					
Michigan	8,054	6,525		551,025	17,403	18,019
Minnesota		513	905,855	812,644	18,388	21,105
Mississippi	315					
Missouri	572	1,015	(D)	1,950	1,053	705
Nevada	1,369					
New Hampshire	88					
New Jersey	3,789	3,061	16,710	33,300	3,865	4,060
New Mexico	5,142	3,798		56,000	4,930	6,082
New York	9,658	7,786	174,320	177,700	11,874	13,642
North Carolina	5,303	5,816		45,560	6,750	7,278
Ohio	4,192	3,649	133,690	193,410	7,820	7,996
Oklahoma	540					
Oregon	15,555	8,084	316,040	666,403	(D)	(D)
Pennsylvania	2,168	1,625		22,520	2,090	2,270
Rhode Island	(D)					
South Carolina	4,173	4,112		2,950	4,176	(D)
Tennessee	1,489	1,849		13,400	2,129	1,975
Texas	9,821	13,958	76,080	81,700	16,013	14,224
Utah	715					
Vermont	(D)					
Virginia	1,252	879			(D)	1,208
Washington	20,579	12,511	982,660	1,500,790	44,074	41,143
Wisconsin	2,018	1,724	1,035,130	1,212,223	(D)	(D)
Other States ³	60		927,870		54,614	55,905
United States	404,590	375,305	19,371,595	19,985,548	784,751	737,571

(D) Withheld to avoid disclosing data for individual operations. ¹ Production of the following crops for which regular seasonal estimates are prepared in major producing States: Artichokes, asparagus, snap beans, broccoli, cabbage, cantaloups, carrots, cauliflower, celery, sweet corn, cucumbers, garlic, honeydew melons, head lettuce, leaf lettuce, romaine lettuce, onions, bell peppers, Chile peppers, spinach, squash, tomatoes, and watermelons. ² Includes Lima beans, snap beans, carrots, sweet corn, cucumbers (pickles), green peas, spinach, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ³ Other States include Alabama, Arkansas, Florida, Iowa, Idaho, Indiana, Massachusetts, Michigan, North Carolina, Pennsylvania, and South Carolina.
NASS, Crops Branch, (202) 720-2127.

Table 4-4.—Vegetables, commercial: Value of principal crops, by State and United States, 2015–2017

State	Fresh market ¹		Processing ²		Total Value	
	2015	2016	2015	2016	2016	2017
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	27,376	-		4,442	4,442	16,659
Arizona	1,040,269	1,303,175		4,275	1,302,570	1,671,053
Arkansas	13,970	(NA)				
California	7,262,285	6,098,876	1,382,592	1,304,306	7,308,008	7,851,709
Colorado	77,462	22,639		240	(D)	(D)
Connecticut	10,450	(NA)				
Delaware	18,451	24,923	27,293	20,153	(D)	(D)
Florida	1,102,153	1,138,376		53,368	1,064,187	1,052,570
Georgia	470,261	439,033	6,673	6,602	434,569	461,898
Idaho	49,803	24,397		10,846	53,998	59,031
Illinois	21,798	20,702	19,587	36,709	86,087	43,077
Indiana	53,844	71,184		30,527	106,178	102,280
Maine	3,825	(NA)				
Maryland	24,036	23,564	11,662	9,174	37,426	(D)
Massachusetts	10,040	(NA)				
Michigan	209,590	173,788		106,034	266,962	274,125
Minnesota		18,496	125,256	81,711	104,166	108,776
Mississippi	3,780	(NA)		35		
Missouri	4,976	12,180	(D)		12,192	8,445
Nevada	45,177	(NA)				
New Hampshire	4,840	(NA)				
New Jersey	156,510	134,211	3,745	8,123	149,699	155,927
New Mexico	147,714	104,735		40,320	145,493	129,043
New York	276,984	201,926	34,841	45,772	249,479	220,666
North Carolina	142,874	160,019		15,927	175,878	166,388
Ohio	135,446	131,144	19,289	23,912	169,403	158,750
Oklahoma	7,290	(NA)				
Oregon	177,341	176,926	57,835	108,491	(D)	(D)
Pennsylvania	81,045	47,822		6,027	53,974	63,899
Rhode Island	(D)	(NA)				
South Carolina	91,541	85,713		1,198	85,213	(D)
Tennessee	76,550	74,527		3,710	79,516	82,326
Texas	162,677	215,984	12,405	17,258	232,898	276,532
Utah	8,385	(NA)				
Vermont	(D)	(NA)				
Virginia	52,668	34,584	(D)	-	(D)	49,607
Washington	435,325	259,992	129,801	197,540	394,600	336,248
Wisconsin	40,818	35,540	157,759	143,377	(D)	(D)
Other States ³	3,880	-	207,998		562,302	548,686
United States	12,451,434	11,084,456	2,196,736	2,280,077	13,079,240	13,837,695

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹Value of the following crops for which regular seasonal estimates are prepared in major producing States: Artichokes, asparagus, snap beans, broccoli, cabbage, cantaloups, carrots, cauliflower, celery, sweet corn, cucumbers, garlic, honeydew melons, head lettuce, leaf lettuce, romaine lettuce, onions, bell peppers, Chile peppers, spinach, tomatoes, and watermelons. ²Includes Lima beans, snap beans, carrots, sweet corn, cucumbers (pickles), green peas, spinach, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ³Other States include Alabama, Arkansas, Florida, Iowa, Idaho, Indiana, Massachusetts, Michigan, North Carolina, Pennsylvania, and South Carolina.
 NASS, Crops Branch, (202) 720-2127.

Table 4-5.—Artichokes for fresh market and processing: Area, yield, production, value, and total value, United States, 2008-2017

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	8,800	130	1,144	47.80	54,683
2009	8,600	125	1,075	56.20	60,415
2010	7,200	120	864	50.20	43,373
2011	7,400	135	999	51.10	51,049
2012	7,300	145	1,059	54.30	57,504
2013	7,100	135	959	61.00	58,499
2014	7,300	130	949	57.60	54,662
2015	6,800	135	918	87.80	80,600
2016	6,800	145	986	78.80	77,697
2017	7,200	130	936	70.00	65,520

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. For Table 4-5, 2016 and 2017 show utilized production.

NASS, Crops Branch, (202) 720-2127.

Table 4-6.—Artichokes for fresh market and processing: Area, production, and value per hundredweight, California, 2015-2017

Crop	Area harvested			Utilized Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	6,800	6,800	7,200	918	986	936	87.80	78.80	70.00

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Table 4-7.—Asparagus, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2012-2017

Year	Total crop				
	Area for harvest	Yield per acre	Utilized Production	Value ¹	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2012	25,300	30	761	110.00	83,662
2013	24,500	31	762	121.00	92,448
2014	23,800	31	743	99.30	73,782
2015	21,700	29	629	108.00	67,864
2016	23,700	31	745	108.00	80,496
2017	23,300	29	670	109.00	73,127

Year	Fresh market			Processing		
	Production	Value ¹		Production	Value ²	
		Per cwt	Total		Per ton	Total
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2012	620	117.00	72,592	7,050	1,570.00	11,070
2013	620	131.00	81,332	7,100	1,570.00	11,116
2014	568	106.00	60,432	8,750	1,530.00	13,350
2015	474	116.00	55,086	7,750	1,650.00	12,778
2016	585	115.00	67,080	7,999	1,680.00	13,416
2017	520	118.00	61,374	7,518	1,560.00	11,753

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Table 4-7, 2016 and 2017 shows utilized production.

¹Price and value at point of first sale. ²Price and value at processing plant door.

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Table 4-8.—Asparagus for Fresh Market and Processing: Area planted and harvested, yield, production, price and value - by State and United States, 2015–2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
California	9,500	9,400	8,300	9,000	9,000	8,000
Michigan	10,000	10,200	9,800	8,900	9,200	9,000
New Jersey ¹	(NA)	2,000	2,100	(NA)	1,900	2,000
Washington	4,000	4,000	4,500	3,800	3,600	4,300
United States	23,500	25,600	24,700	21,700	23,700	23,300
State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	<i>Cwt</i>	<i>Cwt</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
California	26.0	24.0	16.0	234.0	216.0	126.7
Michigan	26.0	25.0	27.0	228.0	230.0	243.0
New Jersey ¹	(NA)	40.0	34.0	(NA)	75.8	68.0
Washington	44.0	62.0	54.0	167.0	223.2	232.2
United States	29.0	31.4	28.8	629.0	745.0	669.9
State	Price per cwt			Value of Production		
	2015	2016	2017	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
California	139.00	128.00	129.00	32,526	27,648	16,344
Michigan	86.60	87.70	85.70	19,754	20,165	20,816
New Jersey ¹	(NA)	171.00	183.00	(NA)	12,962	12,421
Washington	93.30	88.40	101.00	15,584	19,721	23,546
United States	108.00	108.00	109.00	67,864	80,496	73,127

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. For Table 4-8, 2016 and 2017 shows utilized production.
 (NA) Not available. ¹ Estimates began in 2016.
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Table 4-9.—Asparagus for Fresh Market and Processing: Production, price and value by utilization - States and United States, 2015–2017

Utilization and State	Utilized Production		
	2015	2016	2017
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Fresh market			
California ¹	234.0	216.0	126.7
Michigan	(D)	(D)	114.7
New Jersey ²	(NA)	75.8	(D)
Washington	(D)	(D)	(D)
Other States ³	240.0	293.2	278.1
United States	474.0	585.0	519.5
	<i>tons</i>	<i>tons</i>	<i>tons</i>
Processing			
California ¹	(NA)	-	-
Michigan	(D)	(D)	6,415
New Jersey ²	(NA)	-	(D)
Washington	(D)	(D)	(D)
Other States ³	7,750	7,999	1,103
United States	7,750	7,999	7,518
Canning	2,300	(NA)	(NA)
Freezing	5,450	(NA)	(NA)
Utilization and State	Price per unit		
	2015	2016	2017
	<i>Dollars per cwt</i>	<i>Dollars per cwt</i>	<i>Dollars per cwt</i>
Fresh market			
California ¹	139.00	128.00	129.00
Michigan	(D)	(D)	92.00
New Jersey ²	(NA)	171.00	(D)
Washington	(D)	(D)	(D)
Other States ³	94.00	90.30	124.00
United States	116.00	115.00	118.00
	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
Processing			
California ¹	(NA)	(X)	(X)
Michigan	(D)	(D)	1,600.00
New Jersey ²	(NA)	(X)	(D)
Washington	(D)	(D)	(D)
Other States ³	1,650.00	1,680.00	1,350.00
United States	1,650.00	1,680.00	1,560.00
Canning ⁴	1,620.00	(NA)	(NA)
Freezing ⁴	1,660.00	(NA)	(NA)
Utilization and State	Value of production		
	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Fresh market			
California ¹	32,526	27,648	16,344
Michigan	(D)	(D)	10,552
New Jersey ²	(NA)	12,962	(D)
Washington	(D)	(D)	(D)
Other States ³	22,560	26,470	34,478
United States	55,086	67,080	61,374
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Processing			
California ¹	(NA)	-	-
Michigan	(D)	(D)	10,264
New Jersey ²	(NA)	-	(D)
Washington	(D)	(D)	(D)
Other States ³	12,778	13,416	1,489
United States	12,778	13,416	11,753
Canning ⁴	3,726	(NA)	(NA)
Freezing ⁴	9,052	(NA)	(NA)

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production.

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Fresh market includes a small amount of processing asparagus for 2015. ² Estimates began in 2016. ³ Includes data withheld above. ⁴ Estimates discontinued in 2016.

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Table 4-10.—Lima beans for fresh market: Area, yield, production, value per ton, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	30,960	1.42	45,780	525.00	23,700
2012	32,900	1.85	61,015	524.00	31,950
2013	28,930	1.68	48,620	582.00	28,312
2014	27,760	1.82	50,400	580.00	29,236
2015	29,200	1.72	50,255	596.00	29,950
2016	25,300	(NA)	37,350	516.00	19,279
2017	25,400	(NA)	35,781	564.00	20,171

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production.

(NA) Not available. ¹ Price and value at processing plant door.

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Table 4-11.—Snap beans for fresh market and Processing: Area, yield, production, price, and value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	83,500	55	4,591	59.50	273,201
2012	76,700	57	4,340	62.70	271,922
2013	73,100	58	4,252	68.90	293,073
2014	68,600	54	3,720	60.20	224,052
2015	71,170	56	3,952	59.40	234,934
2016	(NA)	(NA)	4,115	60.20	247,865
2017	(NA)	(NA)	3,620	55.60	201,346

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. 2016 and 2017 data shows fresh market production, price, and value.

(NA) Not available. ¹ Price and value at point of first sale.

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Table 4-12.—Snap beans for fresh market: Area, production, and value per hundredweight, by State and United States, 2015-2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	4,400	(NA)	(NA)	528	(D)	(D)	67.00	(D)	(D)
Florida	27,500	(NA)	(NA)	1,238	1,345	1,238	61.60	55.00	55.60
Georgia	10,300	(NA)	(NA)	515	585	(D)	38.50	44.70	(D)
Illinois	(NA)	(NA)	(NA)	144	144	6	(NA)	96.60	65.60
Indiana	(NA)	(NA)	(NA)	(NA)	(D)	(D)	(NA)	(D)	(D)
Maryland	870	(NA)	(NA)	47	(D)	(D)	41.00	(D)	(D)
Michigan	2,900	(NA)	(NA)	212	256	203	54.20	59.50	50.00
Minnesota	(NA)	(NA)	(NA)	(NA)	(D)	7	(NA)	(D)	73.10
New Jersey	2,400	(NA)	(NA)	77	68	(D)	59.80	43.50	(D)
New York	10,700	(NA)	(NA)	696	436	(D)	84.00	84.20	(D)
North Carolina	2,800	(NA)	(NA)	115	(D)	(D)	31.00	(D)	(D)
Oregon	(NA)	(NA)	(NA)	(NA)	(D)	(D)	(NA)	(D)	(D)
Pennsylvania	(NA)	(NA)	(NA)	(NA)	141	(D)	(NA)	24.70	(D)
South Carolina	400	(NA)	(NA)	11	(NA)	(NA)	75.00	(NA)	(NA)
Tennessee	7,000	(NA)	(NA)	448	(D)	(D)	41.00	(D)	(D)
Texas	(NA)	(NA)	(NA)	(NA)	(D)	(D)	(NA)	(D)	(D)
Virginia	1,900	(NA)	(NA)	65	(NA)	(NA)	65.00	(NA)	(NA)
Washington	(NA)	(NA)	(NA)	(NA)	(D)	(D)	(NA)	(D)	(D)
Wisconsin	(NA)	(NA)	(NA)	(NA)	7	105	(NA)	35.30	43.80
Other States	(NA)	(NA)	(NA)	(NA)	1,131	2,060	(X)	66.40	56.70
United States	71,170	(NA)	(NA)	3,952	4,115	3,620	59.40	60.20	55.60

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. 2016 and 2017 data show fresh market production and price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available.

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Table 4-13.—Snap beans for processing, commercial crop: Area, yield, production, value per ton, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	158,550	4.20	665,870	235.00	156,563
2012	166,355	4.39	730,680	271.00	197,811
2013	149,770	4.45	666,780	320.00	213,250
2014	159,070	4.28	681,240	250.00	170,066
2015	158,920	4.81	764,900	233.00	178,578
2016	(NA)	(NA)	792,521	191.00	151,550
2017	(NA)	(NA)	718,330	190.00	136,431

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production.

(NA) Not available. ¹ Price and value at processing plant door.
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Table 4-14.—Snap beans for processing: Area, production, and value per ton, by State and United States, 2015-2017

State	Area harvested			Utilized Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Florida	(NA)	(NA)	(NA)	(D)	7,808	6,446	(D)	325.00	305.00
Georgia	(NA)	(NA)	(NA)	(D)	7,591	(D)	(D)	300.00	(D)
Illinois	(D)	(NA)	(NA)	(D)	57,365	29,700	(D)	130.00	113.00
Indiana	3,600	(NA)	(NA)	13,620	(D)	(D)	230.00	(D)	(D)
Michigan	16,000	(NA)	(NA)	71,200	70,911	78,765	230.00	240.00	200.00
Minnesota	(D)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	110.00
New Jersey	(NA)	(NA)	(NA)	(D)	999	(D)	(NA)	304.00	(D)
New York	(D)	(NA)	(NA)	(D)	77,259	(D)	(D)	200.00	(D)
Oregon	(D)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	5,300	(NA)	(NA)	23,330	19,717	(D)	317.00	283.00	(D)
Wisconsin	65,300	(NA)	(NA)	329,530	365,934	322,875	202.00	124.00	110.00
Other States ¹	68,720	(X)	(X)	327,220	184,937	254,412	260.00	300.00	303.00
United States	158,920	(NA)	(NA)	764,900	792,521	718,330	233.00	191.00	190.00

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ 2015 includes data withheld above and/or data for States not listed in this table. 2016 and 2017 includes data withheld above.

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Table 4-15.—Broccoli, fresh market and processing: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2011-2017¹

Year	Total crop					
	Area harvested	Yield per acre	Production	Value ²		
				Per cwt	Total	
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	
2011	123,200	147	18,149	35.20	639,120	
2012	126,400	162	20,472	33.60	687,727	
2013	131,500	162	21,360	42.80	913,520	
2014	126,400	163	20,600	40.00	824,961	
2015	124,400	176	21,888	48.40	1,058,770	
2016	131,300	171	22,466	37.70	846,595	
2017	129,400	158	20,392	45.40	926,165	

Year	Fresh market			Processing		
	Utilized Production	Value ²		Utilized Production	Value ³	
		Per cwt	Total		Per ton	Total
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	17,756	35.40	628,792	19,673	525.00	10,328
2012	20,076	33.80	678,619	19,800	460.00	9,108
2013	20,664	43.20	893,336	34,800	580.00	20,184
2014	19,910	40.70	809,608	34,500	445.00	15,353
2015	21,104	49.10	1,035,211	39,200	601.00	23,559
2016	21,548	38.20	824,103	45,903	490.00	22,492
2017	19,916	46.00	916,931	23,800	388.00	9,234

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between Total production and total utilized production.

¹ Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli. ² Price and value at point of first sale. ³ Price and value at processing plant door.
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Table 4-16.—Broccoli: Area, production, and value, by State and United States, 2015-2017¹

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Arizona	8,400	9,300	10,400	1,008	1,116	1,352	52.10	64.70	56.20
California	116,000	122,000	119,000	20,880	21,350	19,040	48.20	36.30	44.70
United States ...	124,400	131,300	129,400	21,888	22,466	20,392	48.40	37.70	45.40

State	Fresh market						Processing					
	Utilized Production			Value per unit			Utilized Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Arizona	1,008	1,116	1,352	52.10	64.70	56.20	-	-	-	(X)	(X)	(X)
California	20,096	20,432	18,564	48.90	36.80	45.30	39,200	45,903	23,800	601.00	490.00	388.00
United States ...	21,104	21,548	19,916	49.10	38.20	46.00	39,200	45,903	23,800	601.00	490.00	388.00

¹ Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli.
 NASS, Crops Branch, (202) 720-2127.

Table 4-17.—Cabbage for fresh market: Area, yield, production, and value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	58,760	343	20,134	17.60	347,381
2012	56,800	348	19,752	18.50	359,094
2013	59,480	366	21,750	20.10	429,419
2014	59,650	354	21,141	19.70	416,303
2015	55,920	361	20,178	19.30	389,340
2016	(NA)	(NA)	18,854	21.60	408,060
2017	(NA)	(NA)	19,065	20.10	383,409

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

(NA) Not available.

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Table 4-18.—Cabbage for fresh market: Area, production, and value per hundredweight, by State and United States, 2015-2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015 ¹	2016	2017	2015	2016	2017
	<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>
Arizona	2,600	(NA)	(NA)	884	1,615	(D)	23.00	31.70	(D)
California	13,800	(NA)	(NA)	5,865	5,760	(D)	27.10	27.60	(D)
Colorado	1,500	(NA)	(NA)	653	(NA)	(NA)	16.90	(NA)	(NA)
Florida	8,200	(NA)	(NA)	2,706	2,686	2,708	12.50	18.40	15.50
Georgia	3,700	(NA)	(NA)	1,258	(D)	(D)	10.50	(D)	(D)
Michigan	3,300	(NA)	(NA)	957	(D)	(D)	17.00	(D)	(D)
New Jersey	1,600	(NA)	(NA)	624	(NA)	(NA)	18.40	(NA)	(NA)
New York	8,100	(NA)	(NA)	3,240	(D)	3,041	18.40	(D)	15.00
North Carolina	2,400	(NA)	(NA)	528	710	700	13.00	18.40	15.10
Ohio	1,100	(NA)	(NA)	407	(NA)	(NA)	10.00	(NA)	(NA)
Pennsylvania	830	(NA)	(NA)	208	(NA)	(NA)	21.30	(NA)	(NA)
Texas	5,500	(NA)	(NA)	1,815	1,995	1,830	17.00	18.00	17.80
Virginia	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Wisconsin	(D)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
Other States	3,290	(X)	(X)	1,033	6,087	10,785	17.80	16.30	23.40
United States	55,920	(NA)	(NA)	20,178	18,854	19,065	19.30	21.60	20.10

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. Data for 2016 and 2017 show fresh market production and price only.

(D) Not published to avoid disclosure of individual operations. (NA) Not available. ¹ Includes some quantities of fall storage in New York harvested but not sold because of shrinkage and loss.

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Table 4-19.—Cantaloupes for fresh market: Area, yield, production, value, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Utilized Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	70,400	266	18,692	18.40	344,832
2012	63,430	263	16,706	19.10	319,348
2013	68,600	265	18,173	17.60	320,029
2014	58,200	234	13,612	22.10	300,634
2015	52,100	260	13,552	19.50	264,131
2016	(NA)	(NA)	14,973	17.20	257,517
2017	(NA)	(NA)	13,819	19.30	267,305

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Data for 2016 and 2017 show fresh market production, price, and value only.

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Table 4-20.—Cantaloupes for fresh market: Area, production, and value per hundredweight, by State and United States, 2014-2016

State	Area harvested			Utilized Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Arizona	14,500	(NA)	(NA)	3,553	3,736	3,532	22.90	16.90	23.90
California	28,000	(NA)	(NA)	8,400	8,850	8,167	17.40	16.10	16.50
Colorado	500	(NA)	(NA)	123	(NA)	(NA)	31.00	(NA)	(NA)
Florida	(NA)	(NA)	(NA)	(NA)	621	572	(NA)	19.10	18.00
Georgia	2,800	(NA)	(NA)	504	578	363	17.30	19.10	24.60
Indiana	1,700	(NA)	(NA)	272	314	340	28.00	23.00	24.00
Maryland	500	(NA)	(NA)	60	(NA)	(NA)	28.00	(NA)	(NA)
North Carolina	(NA)	(NA)	(NA)	(NA)	206	225	(NA)	32.00	26.00
Pennsylvania	1,200	(NA)	(NA)	154	135	135	31.20	27.00	32.90
South Carolina	1,100	(NA)	(NA)	270	344	341	11.50	21.40	20.50
Texas	1,800	(NA)	(NA)	216	187	143	31.80	22.00	24.00
United States	52,100	(NA)	(NA)	13,552	14,973	13,819	19.50	17.20	19.30

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Data for 2016 and 2017 show fresh market production and price only.

- Represents zero. (NA) Not available.

NASS, Crops Branch, (202) 720-2127.

Table 4-21.—Carrots for fresh market: Area, production, and value, by State and United States, 2015-2017

State	Area harvested			Utilized Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	66,000	(NA)	(NA)	20,988	(D)	(D)	31.50	(D)	(D)
Michigan	1,500	(NA)	(NA)	360	(D)	(D)	20.00	(D)	(D)
Texas	(D)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin ¹	(NA)	(NA)	(NA)	(NA)	13	2.5	(NA)	110.00	111.00
Other States ²	7,050	(X)	(X)	4,392	22,187	20,808	26.40	32.10	30.10
United States	74,550	(NA)	(NA)	25,740	22,200	20,810	30.50	32.20	30.10

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Data for 2016 and 2017 show fresh market production and price only.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Estimates began in 2016. ² In 2015, includes data withheld above and/or for States not listed in this table. In 2016 and 2017, includes data withheld above.

NASS, Crops Branch, (202) 720-2127.

Table 4-22.—Carrots for processing, commercial crop: Area, production, and value per ton, by State and United States, 2015-2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per tons</i>	<i>Dollars per tons</i>	<i>Dollars per tons</i>
Washington	(D)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	3,800	(NA)	(NA)	97,730	111,825	125,622	98.80	81.40	68.00
Other States ¹	7,220	(NA)	(X)	196,270	353,307	349,573	135.00	173.00	158.00
United States	11,020	(NA)	(NA)	294,000	465,132	475,195	123.00	151.00	134.00

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Data for 2016 and 2017 show processing production and price only. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Includes data withheld above and/or data for States not listed in this table.

NASS, Crops Branch, (202) 720-2127.

Table 4-23.—Cauliflower, commercial crop: Area, production, and value per hundredweight and per ton, by State and United States, 2015-2017¹

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Arizona	4,500	4,500	5,200	700	787	54.90	77.30	79.40	81.70
California	32,300	35,500	37,000	5,814	6,390	49.20	59.40	52.50	41.20
New York	410	(NA)	(NA)	45	(NA)	43.00	50.10	(NA)	(NA)
United States	37,210	40,000	42,200	6,559	7,177	49.80	61.30	55.50	46.10
Fresh market									
State	Production			Value per unit					
	2015	2016	2017	2015	2016	2017			
	<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>			
Arizona	700	(D)	1,014	77.30	(D)	81.70			
California	5,766	(D)	7,045	59.70	(D)	42.00			
New York	45	(NA)	(NA)	50.10	(NA)	(NA)			
Other States ²	-	7,005	-	(X)	55.60	(X)			
United States	6,511	7,005	8,059	61.50	55.60	47.00			
Processing									
State	Production			Value per unit					
	2015	2016	2017	2015	2016	2017			
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>			
California	2,400	(D)	16,650	480.00	(D)	494.00			
Other States ²	-	8,622	(NA)	(X)	990.00	(X)			
United States	2,400	8,622	16,650	480.00	990.00	494.00			

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Includes heading (cauliflower) broccoli. ² Includes data withheld above and/or data for States not listed in this table.

NASS, Crops Branch, (202) 720-2127.

Table 4-24.—Cauliflower, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2008-2017¹

Year	Total crop					Fresh market			Processing		
	Area for harvest	Yield per acre	Production	Value ²		Production	Value ²		Production	Value ³	
				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
2008 ...	36,700	181	6,648	40.40	268,531	6,485	40.70	263,912	8,160	566.00	4,619
2009 ...	38,600	186	7,167	44.00	315,551	7,000	44.30	310,290	8,350	630.00	5,261
2010 ...	38,460	184	7,087	41.70	295,186	6,972	41.80	291,647	5,755	615.00	3,539
2011 ...	36,430	183	6,649	46.00	305,539	6,399	46.80	299,164	12,500	510.00	6,375
2012 ...	36,070	185	6,690	35.80	239,203	6,542	35.90	235,059	7,400	560.00	4,144
2013 ...	36,830	181	6,662	44.30	295,450	6,572	44.50	292,615	4,500	630.00	2,835
2014 ...	35,070	181	6,361	49.80	316,937	6,286	50.10	314,649	3,750	610.00	2,288
2015 ...	37,210	176	6,559	61.30	401,747	6,511	61.50	400,595	2,400	480.00	1,152
2016 ...	40,000	180	7,177	55.50	398,094	7,005	55.60	389,561	8,622	990.00	8,533
2017 ...	42,000	200	8,392	46.10	386,951	8,059	47.00	378,726	16,650	494.00	8,225

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

¹Includes heading (cauliflower) broccoli. ²Price and value at point of first sale. ³Price and value at processing plant door.
NASS, Crops Branch, (202) 720-2127.

Table 4-25.—Celery, commercial crop: Area, production, and value per hundredweight, by State and United States, 2015-2017¹

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	Acres	Acres	Acres	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
California	26,100	28,400	23,500	(NA)	16,472	14,687	25.10	18.30	20.60
Michigan	1,600	1,500	1,600	(NA)	900	944	20.30	14.00	13.40
United States	27,700	29,900	25,100	(NA)	17,372	15,631	24.80	18.10	20.20

¹ Mostly for fresh market use, but includes some quantities used for processing.
NASS, Crops Branch, (202) 720-2127.

Table 4-26.—Celery, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2011-2017¹

Year	Area for harvest	Yield per acre	Production	Value ²	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2011	28,200	687	19,362	19.70	381,780
2012	29,000	681	19,752	18.20	358,988
2013	28,800	625	18,003	25.40	457,765
2014	28,900	636	18,393	17.10	314,134
2015	27,700	618	17,110	24.80	424,664
2016	29,900	581	17,372	18.10	314,786
2017	25,100	623	15,587	20.20	314,742

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

¹ Mostly for fresh market use, but includes some quantities used for processing. ²Price and value at point of first sale.
NASS, Crops Branch, (202) 720-2127.

Table 4-27.—Corn, sweet, commercial crop: Area, production, and value per hundredweight and per ton, by State and United States, 2015–2017

Utilization and State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
Fresh market:	Acres			1,000 cwt			Dollars per cwt		
Alabama	1,000	(NA)	(NA)	55	(NA)	(NA)	26.50	(NA)	(NA)
California	29,900	(NA)	(NA)	5,681	5,933	6,916	28.00	27.60	30.80
Colorado	3,400	(NA)	(NA)	612	(NA)	(NA)	15.20	(NA)	(NA)
Connecticut	3,600	(NA)	(NA)	209	(NA)	(NA)	50.00	(NA)	(NA)
Delaware	3,600	(NA)	(NA)	389	(D)	423.4	22.00	(D)	31.00
Florida	36,900	(NA)	(NA)	5,166	5,002	5,460	30.00	32.00	29.00
Georgia	25,700	(NA)	(NA)	3,598	3,900	3,935	21.40	22.50	25.00
Illinois	6,100	(NA)	(NA)	580	296	210	16.80	34.50	25.90
Indiana	5,100	(NA)	(NA)	281	417	486	43.00	31.00	26.00
Maine	1,400	(NA)	(NA)	85	(NA)	(NA)	45.00	(NA)	(NA)
Maryland	3,600	(NA)	(NA)	216	(D)	353.2	28.00	(D)	26.00
Massachusetts ..	3,300	(NA)	(NA)	251	(NA)	(NA)	40.00	(NA)	(NA)
Michigan	(NA)	(NA)	(NA)	(NA)	855	910	(NA)	25.50	23.00
Minnesota	9,000	(NA)	(NA)	927	351	668	26.00	34.00	33.50
New Hampshire ..	1,300	(NA)	(NA)	88	(NA)	(NA)	55.00	(NA)	(NA)
New Jersey	5,800	(NA)	(NA)	522	478	501	32.20	32.50	35.00
New York	16,700	(NA)	(NA)	1,403	(D)	795.2	22.40	(D)	28.70
North Carolina ..	4,600	(NA)	(NA)	391	(NA)	(NA)	31.00	(NA)	(NA)
Ohio	14,500	(NA)	(NA)	1,088	1,148	1,183	28.00	32.80	26.00
Oregon	6,900	(NA)	(NA)	1,242	(D)	442.7	23.00	(D)	29.50
Pennsylvania	9,300	(NA)	(NA)	623	(D)	(D)	38.50	(D)	(D)
Rhode Island	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Texas	4,200	(NA)	(NA)	332	(NA)	(NA)	21.50	(NA)	(NA)
Vermont	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Virginia	2,900	(NA)	(NA)	235	(NA)	(NA)	31.00	(NA)	(NA)
Washington	25,300	(NA)	(NA)	3,441	523	958	35.00	24.40	35.50
Wisconsin	3,700	(NA)	(NA)	477	574	402	29.30	27.80	30.80
Other States	1,290	(X)	(X)	60	3,866	977	64.70	29.00	33.60
United States	229,090	(NA)	(NA)	27,952	23,346	24,626	28.20	28.40	29.10
Processing:	Acres			Tons			Dollars per ton		
Illinois	(D)	(NA)	(NA)	(D)	91,031	85,307	(D)	74.00	74.20
Minnesota	103,200	(NA)	(NA)	761,320	780,444	889,934	96.20	79.00	64.00
New Jersey	(D)	(NA)	(NA)	(D)	3,578	4,811	(D)	118.00	101.00
New York	(D)	(NA)	(NA)	(D)	(D)	125,622	(D)	(D)	73.00
Oregon	21,200	(NA)	(NA)	198,610	(D)	199,215	140.00	(D)	112.00
Pennsylvania	(D)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	78,800	(NA)	(NA)	722,240	908,820	871,196	106.00	100.00	90.00
Wisconsin	60,700	(NA)	(NA)	490,230	483,847	458,977	87.90	68.20	70.00
Other States ¹ ...	43,600	(X)	(X)	315,710	342,946	139	111.00	108.00	151.00
United States	307,500	(NA)	(NA)	2,488,110	2,610,666	2,716,125	103.00	88.00	79.00

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. Data for 2016 and 2017 show fresh market production and fresh market price and processing production and processing price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Includes data withheld above and/or data for States not listed in this table.
 NASS, Crops Branch, (202) 720-2127.

Table 4-28.—Corn, sweet, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2011-2017

Year	Fresh market					Processing				
	Area harvested	Yield per acre	Production	Value ¹		Area harvested	Yield per acre	Production	Value ²	
				Per cwt	Total				Per ton	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars	Acres	Tons	Tons	Dollars	1,000 dollars
2011 ...	224,050	118	26,336	26.70	702,217	331,650	8.04	2,664,820	116.00	309,622
2012 ...	217,350	128	27,910	26.30	735,104	360,480	8.21	2,959,350	127.00	376,694
2013 ...	228,380	125	28,561	28.20	806,488	314,950	8.10	2,551,830	140.00	357,804
2014 ...	211,050	117	24,649	28.70	708,332	312,280	8.22	2,567,820	113.00	289,573
2015 ...	229,090	122	27,952	28.20	787,581	307,500	8.09	2,488,110	103.00	255,480
2016 ...	(NA)	(NA)	23,347	28.40	662,488	(NA)	(NA)	2,610,666	88.00	229,813
2017 ...	(NA)	(NA)	24,627	29.10	717,042	(NA)	(NA)	2,716,125	79.00	214,589

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Data for 2016 and 2017 show fresh market production, fresh market price, fresh market value, processing production, processing price, and processing value.

(NA) Not available. ¹ Price and value at point of first sale. ² Price and value at processing plant door.
 NASS, Crops Branch, (202) 720-2127.

Table 4-29.—Cucumbers for fresh market: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
California	3,500	(NA)	(NA)	718	(D)	(D)	27.90	(D)	(D)
Florida	10,600	(NA)	(NA)	1,696	2,023	1,391	28.20	33.00	29.20
Georgia	6,900	(NA)	(NA)	1,725	1,797	(D)	23.90	21.80	(D)
Maryland	460	(NA)	(NA)	31	(NA)	(NA)	23.00	(NA)	(NA)
Michigan	3,700	(NA)	(NA)	592	1,292	871	22.80	21.30	27.40
New Jersey	3,200	(NA)	(NA)	688	450	(D)	23.90	26.20	(D)
New York	1,900	(NA)	(NA)	304	(NA)	(NA)	56.90	(NA)	(NA)
North Carolina	4,800	(NA)	(NA)	696	(D)	445	18.00	(D)	22.00
Ohio	(NA)	(NA)	(NA)	127	(D)	206	(NA)	(D)	32.10
South Carolina	1,100	(NA)	(NA)	127	340	(D)	21.80	23.80	(D)
Texas	1,500	(NA)	(NA)	116	149	136	18.50	22.30	25.00
Virginia	320	(NA)	(NA)	32	(NA)	(NA)	40.00	(NA)	(NA)
Wisconsin	(NA)	(NA)	(NA)	(NA)	15	(D)	(NA)	51.00	(D)
Other States	(NA)	(NA)	(NA)	(NA)	1,523	2,268	(X)	25.60	31.90
United States	37,980	(NA)	(NA)	6,725	7,592	5,319	26.10	25.90	29.50

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. Data for 2016 and 2017 show fresh market production and fresh market price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable.
 NASS, Crops Branch, (202) 720-2127.

Table 4-30.—Cucumbers for fresh market, commercial crop: Area, yield, production, value, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	39,000	184	7,194	26.70	191,814
2012	38,300	214	8,182	25.00	204,464
2013	38,360	198	7,603	26.80	203,894
2014	37,570	184	6,895	24.40	168,038
2015	37,980	177	6,725	26.10	175,762
2016	(NA)	(NA)	7,593	25.90	196,519
2017	(NA)	(NA)	5,319	29.50	156,676

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. Data for 2016 and 2017 show fresh market production, fresh market price, and fresh market value.

(NA) Not available.
 NASS, Crops Branch, (202) 720-2127.

Table 4-31.—Cucumbers for processing, commercial crop: Area, production, and value per ton, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>Acres</i>			<i>Tons</i>			<i>Dollars per ton</i>		
Florida	18,010	(NA)	(NA)	148,040	94,135	195,921	435.00	546.00	495.00
Georgia	(NA)	(NA)	(NA)	(D)	6,455	(D)	(D)	423.00	(D)
Michigan	29,000	(NA)	(NA)	171,100	208,070	237,656	220.00	200.00	235.00
New Jersey	(NA)	(NA)	(NA)	(D)	4,584	(D)	(D)	400.00	(D)
North Carolina	(D)	(NA)	(NA)	(D)	(D)	60,984	(D)	(D)	310.00
Ohio	5,000	(NA)	(NA)	27,000	(D)	37,016	260.00	(D)	235.00
South Carolina	(D)	(NA)	(NA)	(D)	2,980	(D)	(D)	406.00	(D)
Texas	3,950	(NA)	(NA)	21,800	29,820	27,200	320.00	340.00	350.00
Wisconsin	5,400	(NA)	(NA)	32,890	33,619	(D)	290.00	220.00	(D)
Other States ¹	23,750	(X)	(X)	132,630	140,857	169,605	355.00	334.00	378.00
United States	85,110	(NA)	(NA)	533,460	520,520	728,382	324.00	314.00	349.00

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. Data for 2016 and 2017 show processing production and processing price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Includes data withheld above and/or data for States not listed in this table.
 NASS, Crops Branch, (202) 720-2127.

Table 4-32.—Cucumbers (for pickles), commercial crop: Area, yield, production, value per ton, total value, and pickle stocks, United States, 2011-2017

Year	Processing					Pickle stocks on hand Dec. 1 ^{2 3}
	Area harvested	Yield per acre	Production	Value ¹		
				Per ton	Total	
Acres	Tons	Tons	Dollars	1,000 dollars	Tons	
2011 ...	82,630	5.83	482,030	360.00	173,425	259,515
2012 ...	84,560	5.68	480,060	342.00	164,151	275,003
2013 ...	82,100	5.76	473,140	313.00	148,101	212,820
2014 ...	84,430	6.36	536,910	378.00	202,705	87,815
2015 ...	85,110	6.27	533,460	324.00	172,715	56,230
2016 ...	(NA)	(NA)	520,520	314.00	163,426	(NA)
2017 ...	(NA)	(NA)	728,382	349.00	254,071	(NA)

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Data for 2016 and 2017 show processing production, processing price, and processing value. Pickle stocks were discontinued in 2016.

(NA) Not available. ¹ Price and value at processing plant door. ² Stocks in hands of original salters of both salt and dill pickles, sold and unsold, in tanks and barrels, on Dec. 1. ³ Includes stocks of fresh-pack pickles.

NASS, Crops Branch, (202) 720-2127.

Table 4-33.—Garlic for fresh market and processing, commercial crop: Area, yield, production, value, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2011	25,150	167	4,204	68.20	286,820
2012	25,950	166	4,319	52.60	227,090
2013	23,900	162	3,867	60.00	231,977
2014	23,800	163	3,868	68.80	266,265
2015	25,200	162	4,089	78.50	321,006
2016	30,100	150	4,515	74.00	333,905
2017	33,000	155	5,115	76.30	390,021

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Data for 2016 and 2017 show utilized production.

NASS, Crops Branch, (202) 720-2127.

Table 4-34.—Garlic for fresh market and processing: Area, production, and value per hundredweight, by State and United States, 2015-2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	Acres	Acres	Acres	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
California	24,100	30,100	33,000	3,977	4,515	5,115	76.70	74.00	76.30
Nevada ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Oregon ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ²	1,100	-	-	112	-	-	141.00	(X)	(X)
United States	25,200	30,100	33,000	4,089	4,515	5,115	78.50	74.00	76.30

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable.

¹ Estimates discontinued in 2016. ² Includes data withheld above.

NASS, Crops Branch, (202) 720-2127.

Table 4-35.—Honeydew melons, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2012–2017

Year	Area harvested	Yield per acre	Production	Value Per cwt ¹	Total Value
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2012	13,600	242	3,286	20.70	67,973
2013	14,450	249	3,605	20.90	75,389
2014	14,450	259	3,739	23.70	88,649
2015	14,400	262	3,769	(NA)	(NA)
2016	(NA)	(NA)	3,932	19.10	75,111
2017	(NA)	(NA)	3,364	28.00	94,192

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. Data for 2016 and 2017 show fresh market production, fresh market price, and fresh market value.

(NA) Not available. ¹Price and value at point of first sale.
NASS, Crops Branch, (202) 720–2127.

Table 4-36.—Honeydew melons, fresh market: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
Arizona ¹	2,300	(NA)	(NA)	564	(NA)	(NA)	24.10	(NA)	(NA)
California	11,500	(NA)	(NA)	3,105	3,932	3,364	22.20	19.10	28.00
Texas ¹	600	(NA)	(NA)	100	(NA)	(NA)	28.20	(NA)	(NA)
United States	14,400	(NA)	(NA)	3,769	3,932	3,364	22.60	19.10	28.00

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. Data for 2016 and 2017 show fresh market production and fresh market price.

(NA) Not available. ¹ Estimates discontinued in 2016.
NASS, Crops Branch, (202) 720–2127.

Table 4-37.—Head lettuce, fresh market: Area, production, and value per hundredweight, by State and United States, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
Arizona	32,500	36,800	39,200	10,238	12,696	12,348	24.80	38.50	45.90
California	86,500	84,500	83,500	32,870	32,955	30,477	30.40	23.00	32.60
United States	119,000	121,300	122,700	43,108	45,651	42,825	29.10	27.30	36.40

NASS, Crops Branch, (202) 720–2127.

Table 4-38.—Head lettuce, fresh market: Area, yield, production, value per hundredweight, and total value, United States, 2012–2017

Year	Area harvested	Yield per acre	Production	Value Per cwt ¹	Total Value
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2012	141,600	360	50,976	17.70	901,238
2013	129,000	350	45,150	26.70	1,203,930
2014	125,500	366	45,918	24.40	1,119,736
2015	119,000	362	43,108	29.10	1,253,150
2016	121,300	376	45,651	27.30	1,246,761
2017	122,700	349	42,825	36.40	1,560,340

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

¹ Price and value at point of first sale.
NASS, Crops Branch, (202) 720–2127.

Table 4-39.—Leaf lettuce for fresh market, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2011–2017

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	47,400	252	11,939	34.60	413,484
2012	52,500	244	12,825	35.30	452,858
2013	55,000	230	12,650	38.30	484,036
2014	54,100	240	12,984	37.90	491,602
2015	55,100	258	14,233	59.70	850,238
2016	59,300	224	13,286	46.70	620,620
2017	54,100	203	11,012	61.10	673,015

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production.

¹ Price and value at point of first sale.
NASS, Crops Branch, (202) 720-2127.

Table 4-40.—Leaf lettuce for fresh market: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
Arizona	9,300	9,600	9,600	2,325	2,352	2,112	63.00	64.90	65.40
California	45,800	49,700	44,500	11,908	10,934	8,900	59.10	42.80	60.10
United States	55,100	59,300	54,100	14,233	13,286	11,012	59.70	46.70	61.10

NASS, Crops Branch, (202) 720-2127.

Table 4-41.—Romaine lettuce for fresh market, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2011–2017

Year	Area harvested	Yield per acre	Production	Value Per cwt ¹	Total Value
2011	81,900	344	28,142	31.50	886,342
2012	88,900	318	28,256	22.40	633,489
2013	91,100	292	26,620	33.10	880,373
2014	85,400	289	24,679	31.00	763,887
2015	87,000	303	26,335	39.70	1,046,571
2016	93,200	323	30,086	30.50	918,178
2017	99,700	308	30,750	45.50	1,399,032

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production.

¹ Price and value at point of first sale.
NASS, Crops Branch, (202) 720-2127.

Table 4-42.—Romaine lettuce for fresh market: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
Arizona	23,500	26,200	28,000	7,285	8,646	9,240	45.60	32.30	55.50
California	63,500	67,000	71,700	19,050	21,440	21,510	37.50	29.80	41.20
United States	87,000	93,200	99,700	26,335	30,086	30,750	39.70	30.50	45.50

NASS, Crops Branch, (202) 720-2127.

Table 4-43.—Onions, commercial crop: Area, yield, production, shrinkage and loss, value per hundredweight, and total value, United States, 2011–2017¹

Year	Area harvested	Yield per acre	Production ²	Shrinkage and loss	Value Per cwt ³	Total Value
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	147,630	502	74,097	5,882	10.90	742,236
2012	146,870	487	71,495	4,923	14.20	942,340
2013	143,340	486	69,654	4,858	15.00	969,183
2014	139,850	499	69,815	4,147	13.60	892,325
2015	133,600	503	67,184	4,722	15.50	1,039,325
2016	135,700	541	68,300	5,091	14.00	954,253
2017	138,000	532	71,871	1,589	13.50	971,236

¹ Mostly for fresh market use, but includes some quantities used for processing. ² Includes storage crop onions harvested but not sold because of shrinkage and loss. ³ Price and value at point of first sale. NASS, Crops Branch, (202) 720-2127.

Table 4-44.—Onions for fresh market: Area harvested, production, shrinkage and loss, and value per hundredweight, by State and United States, 2016–2017

Season and State	Area harvested		Production		Shrinkage and loss		Value per unit	
	2016	2017	2016	2017	2016	2017	2016	2017
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</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>
Spring¹:								
California	6,800	6,700	2,992	3,015	.....	.....	12.30	17.70
Georgia	11,000	11,200	2,585	2,688	.....	.....	41.90	45.30
Texas	9,000	4,000	2,340	800	.....	.....	24.00	24.60
United States	26,800	21,900	7,917	6,503	.....	.....	25.40	30.00
Summer non-storage¹:								
California	7,800	7,500	3,744	3,750	.....	.....	7.00	7.00
Nevada (D)	(D)	(D)	(D)	(D)	.....	.....	(D)	(D)
New Mexico	5,100	5,100	3,060	3,808	.....	.....	18.70	28.00
Texas (D)	(D)	(D)	(D)	(D)	.....	.....	(D)	(D)
Washington ²	2,000	2,000	800	760	.....	.....	34.60	45.80
Other States ³	4,250	3,900	1,622	1,393	.....	.....	34.10	33.40
United States	19,150	19,000	9,226	9,711	.....	.....	18.00	22.10
Summer storage:								
California ⁴	30,000	30,000	13,129	12,000	250	250	13.30	14.70
Colorado	3,600	3,400	1,800	1,632	198	114	19.00	20.30
Idaho	6,900	8,000	5,658	5,760	410	829	8.40	10.10
Michigan	2,500	2,400	925	792	65	79	12.90	14.10
New York	8,000	7,500	2,360	2,588	151	285	15.30	17.60
Oregon .....	.....	.....	.....	.....	.....	.....	.....	.....
Malheur	9,300	9,200	7,440	6,992	670	909	8.40	10.10
Other	10,300	9,300	6,798	6,045	1,240	1,209	8.90	13.20
Washington	20,000	19,900	13,000	13,731	1,040	947	8.90	13.90
Wisconsin	1,700	1,500	791	645	44	5	17.50	16.60
Other States ³	1,600	1,500	771	785	79	95	11.70	13.10
United States	93,900	92,700	52,672	50,970	4,147	4,722	10.80	13.60
Total summer	113,050	111,700	61,898	60,681	.....	.....	12.10	13.10
Total, spring and summer ..	139,850	133,600	69,815	67,184	.....	.....	13.60	15.50

(D) Withheld to avoid disclosing data for individual operations. ¹ Primarily fresh market. ² Includes Walla Walla and other non-storage onions. ³ Other States include Nevada and Texas for Summer Non-storage Onions and Ohio and Utah for Summer Storage Onions. ⁴ Primarily dehydrated processing. NASS, Crops Branch, (202) 720-2127.

Table 4-45.—Onions (fresh market): Foreign trade, United States, 2011–2017¹

Year beginning July	Imports		Domestic exports	
	1,000 cwt		1,000 cwt	
2011		8,337		6,479
2012		9,306		6,221
2013		10,652		7,223
2014		10,436		6,109
2015		11,539		6,391
2016		11,532		6,591
2017		12,948		6,465

¹Includes bulb onions, onion sets, and pearl onions.
ERS, Market and Trade Economics Division, (202) 694–5326. Based on data from U.S. Department of Commerce, U.S. Census Bureau.

Table 4-46.—Peas, green (processing), commercial crop: Area, yield, production, value per ton, and total value, United States, 2011–2017

Year	Area harvested		Yield per acre		Production		Value per ton ¹		Total value	
	Acres		Tons		Tons		Dollars		1,000 dollars	
2011	159,100		1.90		314,120		416.00		130,738	
2012	194,500		2.09		407,250		434.00		176,818	
2013	178,300		2.00		356,050		427.00		151,928	
2014	187,600		1.93		362,860		367.00		133,261	
2015	166,200		2.47		411,320		320.00		131,568	
2016	(NA)		(NA)		310,966		255.00		79,323	
2017	(NA)		(NA)		263,946		249.00		65,735	

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. For Table 4-46, 2016 and 2017 includes only processing production, processing price, and processing value.

(NA) Not available. ¹Price and value at processing plant door.
NASS, Crops Branch, (202) 720–2127.

Table 4-47.—Peas, green (processing), commercial crop: Area, production, and value per ton, by State and United States, 2015–2017¹

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	Acres	Acres	Acres	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
Minnesota	48,500	(NA)	(NA)	112,450	94,820	96,503	402	249	254
New York	(D)	(NA)	(NA)	(D)	9,906	13,754	(D)	231	258
Washington	42,600	(NA)	(NA)	147,210	(D)	(D)	262	(D)	(D)
Wisconsin	34,300	(NA)	(NA)	81,120	63,558	47,746	334	198	214
Other States ²	40,800	(X)	(X)	70,540	142,682	105,943	294	286	259
United States	166,200	(NA)	(NA)	411,320	310,966	263,946	320	255	249

NOTE: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. For Table 4-47, 2016 and 2017 will include only processing production and processing price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas. ² Includes data withheld above and/or data for States not listed in this table.

NASS, Crops Branch, (202) 720–2127.

Table 4-48.—Chile peppers for fresh market and processing: Area, production, and value per hundredweight, by State and United States, 2015–2017^{1 2}

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Arizona	1,300	1,600	1,200	81	122	78	48.30	36.50	26.10
California	6,400	6,700	7,000	2,424	3,049	2,730	31.50	32.50	31.50
New Mexico	7,700	8,700	7,600	1,334	1,392	1,254	30.80	36.70	35.50
Texas	2,700	3,000	3,100	195	143	170	73.50	60.00	61.30
United States	18,100	20,000	18,900	4,034	4,705	4,232	33.60	34.70	33.80

¹ Chile peppers are defined as all peppers excluding bell peppers. ² Estimates include both fresh and dry product combined.
 NASS, Crops Branch, (202) 720-2127.

Table 4-49.—Chile peppers for fresh market and processing, commercial crop: Area, yield, production, value, and total value, United States, 2008–2017¹

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	25,200	168	4,235	26.60	112,753
2009	28,500	177	5,042	27.80	140,405
2010	23,000	202	4,644	29.80	138,586
2011	22,100	178	3,928	35.00	137,657
2012	20,400	212	4,315	36.20	156,039
2013	20,000	211	4,210	39.90	168,146
2014	19,100	242	4,625	46.70	216,107
2015	18,100	223	4,034	33.60	135,743
2016	20,000	236	4,705	34.70	163,255
2017	18,900	224	4,232	33.80	142,909

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. For Table 4-49, 2016 and 2017 includes harvested not sold and utilized production.

¹ Chile peppers are defined as all peppers excluding bell peppers. Estimates include both fresh and dry product combined.
 NASS, Crops Branch, (202) 720-2127.

Table 4-50.—Bell peppers for fresh market and processing: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	16,500	17,100	15,900	7,508	7,096	6,504	49.00	31.90	43.40
Florida	12,200	12,900	13,100	4,392	3,805	4,388	50.20	33.10	47.00
Georgia	3,600	3,200	2,900	1,008	960	841	48.10	34.10	44.20
Michigan	1,400	1,500	1,800	392	390	459	38.00	37.00	27.30
New Jersey	2,500	2,300	3,100	763	632	867	45.00	31.60	41.40
New York	(NA)	900	800	(NA)	261	86	(NA)	29.50	53.40
North Carolina	2,200	2,300	2,300	517	575	621	42.00	33.00	45.00
Ohio	2,500	2,600	2,500	575	650	562	43.00	44.80	40.00
Pennsylvania	(NA)	900	900	(NA)	148	192	(NA)	47.60	63.20
United States	40,900	43,700	43,300	15,155	14,519	14,522	48.30	33.20	44.20

(NA) Not available.
 NASS, Crops Branch, (202) 720-2127.

Table 4-51.—Bell peppers for fresh market and processing, commercial crop: Area, yield, production, value, hundredweight, and total value, United States, 2008-2017

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	50,800	312	15,867	40.10	635,662
2009	49,400	331	16,354	34.10	557,749
2010	49,000	309	15,161	39.10	592,266
2011	46,400	351	16,275	37.80	615,740
2012	45,500	345	15,687	32.80	514,000
2013	44,800	322	14,433	41.60	599,932
2014	44,000	353	15,536	40.30	626,089
2015	40,900	371	15,155	48.30	732,699
2016	43,700	332	14,519	33.20	482,366
2017	43,300	340	14,522	44.20	641,521

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

NASS, Crops Branch, (202) 720-2127.

Table 4-52.—Potatoes: Area, yield, production, season average price, and value, United States, 2008-2017

Year	Area planted	Area harvested	Yield per harvested acre	Production	Season average price per cwt received by farmers ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008 ...	1,059.6	1,046.9	396	415,055	9.09	3,770,462
2009 ...	1,071.2	1,044.0	414	432,601	8.25	3,557,574
2010 ...	1,026.7	1,008.9	401	404,549	9.20	3,724,821
2011 ...	1,100.7	1,078.5	399	430,037	9.41	4,044,869
2012 ...	1,154.8	1,138.5	408	464,970	8.63	4,017,245
2013 ...	1,063.9	1,050.9	414	434,652	9.75	4,237,284
2014 ...	1,062.6	1,051.1	421	442,170	8.88	3,928,211
2015 ...	1,066.1	1,054.4	418	441,205	8.76	3,865,538
2016 ...	1,037.0	1,018.3	433	441,411	9.08	4,009,220
2017 ...	1,033.0	1,024.9	431	442,034	9.10	4,021,495

¹ 2008 obtained by weighting State prices by production.
NASS, Crops Branch, (202) 720-2127.

Table 4-53.—Potatoes: Production, seed used, and disposition, United States, 2008-2017

Year	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	<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>
2008 ...	415,055	24,595	4,139	26,438	384,478
2009 ...	432,601	24,027	4,535	29,135	398,931
2010 ...	404,549	25,100	4,227	24,996	375,326
2011 ...	430,037	26,527	4,146	27,789	398,102
2012 ...	464,970	25,656	4,850	28,505	431,615
2013 ...	434,652	25,249	4,323	26,211	404,118
2014 ...	442,170	26,259	4,192	26,762	411,216
2015 ...	441,205	25,715	4,631	26,509	410,065
2016 ...	441,411	25,323	4,284	26,460	410,667
2017 ...	442,034	24,673	4,380	24,737	412,917

NASS, Crops Branch, (202) 720-2127.

Table 4-54.—Potatoes: Area, production, and marketing year price per hundredweight received by farmers, by State and United States, 2015–2017

Season and State	Area harvested			Yield			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Cwt	Cwt	Cwt	1,000 cwt	1,000 cwt	1,000 cwt
Spring:									
Arizona ¹	3.5	(NA)	(NA)	290	(NA)	(NA)	1,015	(NA)	(NA)
California	26.7	25.1	29.0	385	390	435	10,280	9,789	12,615
Florida	29.6	22.9	28.7	230	235	250	6,808	5,382	7,175
North Carolina ²	12.7	(NA)	(NA)	210	(NA)	(NA)	2,667	(NA)	(NA)
United States	72.5	48.0	57.7	286	316	343	20,770	15,171	19,790
Summer:									
Delaware ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Illinois	6.9	6.9	7.6	380	380	410	2,622	2,622	3,116
Kansas	3.6	4.2	4.1	335	300	380	1,206	1,260	1,558
Maryland	2.4	(D)	2.5	330	(D)	365	792	(D)	913
Missouri	8.1	7.9	8.5	305	305	285	2,471	2,410	2,423
New Jersey	(D)	(D)	1.7	(D)	(D)	300	(D)	(D)	510
North Carolina ²	(NA)	13.6	15.1	(NA)	220	230	(NA)	2,992	3,473
Texas	18.2	19.6	21.5	375	395	395	6,825	7,742	8,493
Virginia	4.7	4.1	4.5	220	290	265	1,034	1,189	1,193
Other States ³	3.2	4.4	-	245	315	-	784	1,387	-
United States	47.1	60.7	65.5	334	323	331	15,734	19,602	21,679
Fall:									
California	8.4	7.9	8.2	420	445	405	3,528	3,516	3,321
Colorado	57.4	57.1	55.6	393	389	382	22,575	22,236	21,220
San Luis Valley ...	51.8	51.5	51.5	385	385	375	19,943	19,828	19,313
All other areas ...	5.6	5.6	4.1	470	430	465	2,632	2,408	1,907
Idaho	322.0	324.0	310.0	405	430	435	130,400	139,320	134,850
10 S.W. counties ¹	16.0	(NA)	(NA)	500	(NA)	(NA)	8,000	(NA)	(NA)
All other counties ¹	306.0	(NA)	(NA)	400	(NA)	(NA)	122,400	(NA)	(NA)
Maine	50.5	46.5	47.5	320	325	320	16,160	15,113	15,200
Massachusetts ¹	3.6	(NA)	(NA)	305	(NA)	(NA)	1,098	(NA)	(NA)
Michigan	45.0	46.0	46.5	390	370	370	17,550	17,020	17,205
Minnesota	40.5	42.0	45.5	400	400	405	16,200	16,800	18,428
Montana	10.9	11.0	11.1	325	335	340	3,543	3,685	3,774
Nebraska	15.3	16.4	19.0	450	450	475	6,885	7,380	9,025
Nevada ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New Mexico ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New York	14.8	14.8	14.4	280	240	280	4,144	3,552	4,032
North Dakota	80.0	72.0	74.0	345	300	330	27,600	21,600	24,420
Ohio ¹	1.2	(NA)	(NA)	230	(NA)	(NA)	276	(NA)	(NA)
Oregon	38.9	38.9	38.9	560	590	550	21,784	22,951	21,395
Pennsylvania ¹	5.3	(NA)	(NA)	280	(NA)	(NA)	1,484	(NA)	(NA)
Rhode Island ¹	0.6	(NA)	(NA)	135	(NA)	(NA)	81	(NA)	(NA)
Washington	170.0	169.0	164.0	590	625	605	100,300	105,625	99,220
Wisconsin	62.5	64.0	67.0	445	435	425	27,813	27,840	28,475
Other States ³	7.9	-	-	415	-	-	3,280	-	-
United States	934.8	909.6	901.7	433	447	444	404,701	406,638	400,565
All Potatoes:									
United States	1,054.4	1,018.3	1,024.9	418	433	431	441,205	441,411	442,034

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Estimates discontinued in 2016. ² Beginning in 2016, North Carolina estimates included with Summer States. ³ Includes data withheld above.

NASS, Crops Branch, (202) 720-2127.

Table 4-55.—Fall potatoes: Total stocks held by growers, local dealers, and processors - 13 Fall States: 2016 and 2017¹

State	Crop of 2016			
	Dec. 1	Feb. 1	Apr. 1	June 1
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
California	(D)	1,900	(D)	(D)
Colorado	16,200	11,900	7,600	3,200
Idaho	100,000	76,000	52,000	21,000
Maine	11,100	8,000	4,900	1,900
Michigan	9,900	6,000	2,600	(D)
Minnesota	10,300	7,800	5,500	3,200
Montana	3,500	3,400	2,700	(D)
Nebraska	4,300	3,300	1,400	(D)
New York	(D)	1,200	(D)	(D)
North Dakota	16,600	11,800	7,500	2,700
Oregon	18,700	12,600	7,500	3,700
Washington	59,000	45,000	29,000	13,000
Wisconsin	18,800	14,200	8,800	3,900
Other States ²	4,500	-	1,900	1,470
United States	272,900	203,100	131,400	54,070
Klamath Basin ³	(D)	3,100	1,800	(D)
State	Crop of 2017			
	Dec. 1	Feb. 1	Apr. 1	June 1
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
California	2,600	1,800	1,100	(D)
Colorado	15,300	11,400	7,200	2,800
Idaho	96,000	75,000	52,000	27,000
Maine	11,500	8,500	5,000	1,700
Michigan	11,000	6,900	3,800	(D)
Minnesota	13,600	10,400	7,200	3,900
Montana	3,500	3,400	2,800	240
Nebraska	5,400	3,900	2,100	(D)
New York	2,300	1,300	800	300
North Dakota	20,600	15,300	9,600	4,000
Oregon	16,800	11,300	7,000	3,000
Washington	57,000	45,000	29,000	13,000
Wisconsin	19,300	14,400	9,900	5,300
Other States ²	-	-	-	2,000
United States	274,900	208,600	137,500	63,240
Klamath Basin ³	4,600	3,100	1,700	(D)

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹Stocks are defined as the quantity (whether sold or not) remaining in storage for all purposes and uses, including seed potatoes that are not yet moved, and shrinkage, waste, and other losses that occur after the date of each estimate. ²Includes data withheld above. ³Includes potato stocks in California and Klamath County, Oregon.
NASS, Crops Branch, (202) 720-2127.

Table 4-56.—Fall potatoes: Production and total stocks held by growers and local dealers, 13 Major States, 2008-2017

Crop year	Production	Total stocks			
		Dec. 1	Following year		
			Feb. 1	Apr. 1	June 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>
2008	369,866	243,700	183,900	115,800	45,300
2009	383,962	265,800	203,500	128,700	55,120
2010	357,467	240,200	180,300	111,000	41,320
2011	382,318	253,000	187,500	115,650	43,340
2012	410,367	271,500	204,600	(NA)	(NA)
2013	386,824	(NA)	(NA)	119,050	46,885
2014	396,798	265,700	200,800	128,700	56,335
2015	404,701	262,700	198,100	125,700	51,280
2016	406,638	272,900	203,100	131,400	54,070
2017	400,565	274,900	208,600	137,500	63,240

(NA) Not available.
NASS, Crops Branch, (202) 720-2127.

Table 4-57.—Potatoes: Utilization and processing, United States, 2016 and 2017

Utilization - 30 Program States	2016	2017
	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Sales		
Table stock	113,634	107,235
Processing	269,640	279,120
Other sales		
Livestock feed	1,083	1,815
Seed	26,310	24,747
Other Sales Total	27,393	26,562
Total sales	410,667	412,917
Non-sales		
Seed used on farms where grown	3,605	3,526
Household use and used for feed on farms where grown	679	854
Shrinkage and loss	26,460	24,737
Total non-sales	30,744	29,117
Total production	441,411	442,034
Processing - United States	2016	2017
	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Processing		
Chips and shoestring	60,266	58,751
All Dehydrated (including starch and flour)	48,015	45,761
Frozen french fries	156,985	155,798
Other frozen products	12,695	13,803
Canned potatoes	1,234	1,152
Other canned products (hash, stews, soups)	698	703
Other (including fresh pack, potato salad, vodka, etc)	6,000	6,160
Total	285,893	282,128

NASS, Crops Branch, (202) 720-2127.

Table 4-58.—Potatoes: Production, seed used, and farm disposition, by seasonal groups, crop of 2016

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
Spring					
California	9,789	810	89	489	9,211
Florida	5,382	660	16	237	5,129
United States	15,171	1,470	105	726	14,340
Summer					
Illinois	2,622	135	-	1	2,621
Kansas	1,260	142	-	13	1,247
Maryland	(D)	(D)	(D)	(D)	(D)
Missouri	2,410	211	89	1	2,320
New Jersey	(D)	(D)	(D)	(D)	(D)
North Carolina	2,992	312	1	36	2,955
Texas	7,742	642	-	-	7,742
Virginia	1,189	76	-	2	1,187
Other States ¹	1,387	74	1	1	1,385
United States	19,602	1,592	91	54	19,457
Fall					
California	3,516	172	46	172	3,298
Colorado	22,236	1,430	871	1,660	19,705
Idaho	139,320	7,626	903	8,700	129,717
Maine	15,113	1,056	205	1,068	13,840
Michigan	17,020	1,397	280	748	15,992
Minnesota	16,800	923	73	850	15,877
Montana	3,685	276	180	130	3,375
Nebraska	7,380	600	248	642	6,490
New York	3,552	400	72	280	3,200
North Dakota	21,600	1,716	280	2,000	19,320
Oregon	22,951	1,026	332	1,410	21,209
Washington	105,625	4,199	256	6,800	98,569
Wisconsin	27,840	1,440	342	1,220	26,278
United States	406,638	22,261	4,088	25,680	376,870
All potatoes					
United States	441,411	25,323	4,284	26,460	410,667

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹ Includes data withheld above.
NASS, Crops Branch, (202) 720-2127.

Table 4-59.—Potatoes: Production, seed used, and farm disposition, by seasonal groups, crop of 2017

Season and State	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>	
Spring					
California	12,615	776	221	252	12,142
Florida	7,175	684	17	145	7,013
United States	19,790	1,460	238	397	19,155
Summer					
Illinois	3,116	127	-	31	3,085
Kansas	1,558	114	-	-	1,558
Maryland	913	(D)	(D)	(D)	(D)
Missouri	2,423	183	-	-	2,423
New Jersey	510	(D)	(D)	(D)	(D)
North Carolina	3,473	294	1	1	3,471
Texas	8,493	420	20	-	8,473
Virginia	1,193	93	-	4	1,189
Other States ¹	-	84	1	1	1,421
United States	21,679	1,315	22	37	21,620
Fall					
California	3,321	203	-	13	3,308
Colorado	21,220	1,383	981	1,550	18,689
Idaho	134,850	7,529	808	8,300	125,742
Maine	15,200	1,092	221	879	14,100
Michigan	17,205	1,344	369	585	16,251
Minnesota	18,428	880	86	1,071	17,271
Montana	3,774	264	275	189	3,310
Nebraska	9,025	546	259	640	8,126
New York	4,032	375	56	236	3,740
North Dakota	24,420	1,517	200	1,500	22,720
Oregon	21,395	882	259	1,340	19,796
Washington	99,220	4,208	263	6,040	92,917
Wisconsin	28,475	1,675	343	1,960	26,172
United States	400,565	21,898	4,120	24,303	372,142
All potatoes					
United States	442,034	24,673	4,380	24,737	412,917

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹ Includes data withheld above. NASS, Crops Branch, (202) 720-2127.

Table 4-60.—Potatoes, fresh & seed: United States exports by country of destination and imports by country of origin, 2015–2017

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Imports			
Canada	400,171	495,872	501,765
Colombia	13	10	50
Ecuador	5	13	30
Netherlands	-	0	24
Ghana	0	0	9
Peru	5	0	1
Brazil	0	30	0
Costa Rica	0	9	0
World Total	400,194	495,933	501,879
Exports			
Canada	181,047	240,667	263,426
Mexico	97,974	91,815	93,205
Taiwan	15,497	35,929	42,883
Japan	21,716	41,684	39,876
Philippines	11,994	13,270	22,271
Korea, South	26,203	8,913	20,974
Malaysia	13,306	11,018	12,429
Honduras	6,780	9,344	10,175
Dominican Republic	4,648	5,191	6,230
Singapore	4,740	5,643	5,489
Hong Kong	3,542	3,108	3,648
Panama	2,485	2,767	3,139
Thailand	4,908	3,681	3,057
Guatemala	2,098	2,221	3,032
Indonesia	3,339	1,403	1,884
Bahamas, The	1,709	1,320	1,528
Costa Rica	0	658	1,295
Leeward-Windward Islands(*)	982	1,134	1,212
Nicaragua	1,253	1,883	809
Trinidad and Tobago	835	811	807
Cayman Islands	566	558	736
Senegal	51	218	657
El Salvador	436	531	618
Saudi Arabia	0	8	614
Rest of World	4,296	5,205	4,632
World Total	410,403	488,979	544,624

(*) Denotes a country that is a summarization of its component countries.
 FAS, Office of Global Analysis, (202) 720-6301.

Table 4-61.—Potatoes (fresh market): Foreign trade, United States, 2008–2017¹

Year beginning July	Imports for consumption	Domestic exports
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
2008/2009	10,550	6,588
2009/2010	9,050	8,183
2010/2011	10,384	9,294
2011/2012	9,041	9,348
2012/2013	7,375	10,467
2013/2014	10,833	10,001
2014/2015	8,514	9,369
2015/2016	10,103	10,135
2016/2017	11,265	11,306
2017/2018	10,852	10,865

¹ Includes seed.
 ERS, (202) 694-5253. Based on data from U.S. Department of Commerce, U.S. Census Bureau.

Table 4-62.—Pumpkins for fresh market and processing: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	6,100	5,000	5,200	1,464	1,350	1,714	17.80	18.50	14.30
Illinois	14,700	17,400	17,400	3,179	6,786	6,303	3.79	6.31	3.87
Indiana ¹	(NA)	7,000	6,000	(NA)	945	959	(NA)	14.40	19.20
Michigan	5,000	5,100	4,900	770	790	758	15.70	15.10	11.00
Minnesota ¹	(NA)	1,500	840	(NA)	155	51	(NA)	19.10	26.50
New Jersey ¹	(NA)	2,000	2,100	(NA)	200	198	(NA)	26.70	30.80
New York	4,400	5,200	4,900	489	598	499	22.60	19.40	19.50
North Carolina ¹	(NA)	3,600	3,400	(NA)	936	706	(NA)	24.70	18.60
Ohio	5,500	6,200	6,200	842	930	1,039	17.10	17.80	13.60
Oregon ¹	(NA)	2,100	2,500	(NA)	459	427	(NA)	11.20	15.20
Pennsylvania	5,200	4,300	4,600	794	731	740	18.40	20.30	17.60
Tennessee ¹	(NA)	1,800	1,600	(NA)	270	128	(NA)	22.10	19.10
Texas ¹	(NA)	4,000	4,500	(NA)	1,640	864	(NA)	10.40	26.80
Virginia ¹	(NA)	2,200	2,400	(NA)	374	539	(NA)	30.10	14.40
Washington ¹	(NA)	2,200	1,900	(NA)	376	326	(NA)	27.30	28.20
Wisconsin ¹	(NA)	1,800	900	(NA)	186	127	(NA)	18.90	27.80
United States	40,900	71,400	69,340	7,538	16,727	15,379	12.00	13.20	12.10

(NA) Not available. ¹ Estimates began in 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 4-63.—Pumpkins for fresh market and processing, commercial crop: Area, yield, production, value, hundredweight, and total value, United States, 2008–2017

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	43,400	246	10,663	12.90	137,072
2009	44,100	211	9,313	11.00	102,730
2010	48,500	222	10,748	11.00	117,791
2011	46,900	228	10,705	10.60	113,085
2012	50,500	238	12,036	12.10	146,033
2013	50,300	223	11,221	13.20	148,517
2014	49,100	265	13,019	11.00	143,158
2015	40,900	184	7,538	12.00	90,214
2016	71,400	235	16,727	13.20	221,019
2017	69,340	226	15,379	12.10	185,764

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production.
 NASS, Crops Branch, (202) 720-2127.

Table 4-64.—Spinach for fresh market: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Arizona	10,300	(NA)	(NA)	1,288	2,016	2,240	42.90	46.20	53.30
California	26,700	(NA)	(NA)	4,272	(D)	(D)	63.40	(D)	(D)
New Jersey	1,400	(NA)	(NA)	210	254	(D)	49.30	47.90	(D)
Texas	2,100	(NA)	(NA)	263	276	679	21.00	26.50	39.30
Other States ¹	690	(X)	(X)	43	3,947	3,107	37.20	57.20	78.10
United States	41,190	(NA)	(NA)	6,076	6,494	6,026	56.50	52.10	64.50

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. For Table 4-64, 2016 and 2017 includes only fresh market production and fresh market price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹Other States include Colorado and Maryland.

NASS, Crops Branch, (202) 720-2127.

Table 4-65.—Spinach for fresh market, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per cwt	Total
				<i>Dollars</i>	<i>1,000 dollars</i>
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>		
2011	31,435	191	6,010	40.40	242,823
2012	34,440	156	5,360	42.20	226,232
2013	34,940	161	5,619	43.20	242,846
2014	37,540	158	5,919	43.90	259,700
2015	41,190	148	6,076	56.50	343,575
2016	(NA)	(NA)	6,494	52.10	338,527
2017	(NA)	(NA)	6,026	64.50	388,706

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. For Table 4-65, 2016 and 2017 includes only fresh market production, fresh market price, and fresh market value.

(NA) Not available. ¹Price and value at point of first sale.

NASS, Crops Branch, (202) 720-2127.

Table 4-66.—Spinach for processing, commercial crop: Area, yield, production, value per ton, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total
				<i>Dollars</i>	<i>1,000 dollars</i>
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>		
2011	7,500	10.69	80,180	131.00	10,465
2012	7,400	10.18	75,320	137.00	10,320
2013	8,800	10.08	88,710	129.00	11,451
2014	9,100	9.92	90,310	125.00	11,312
2015	7,200	10.44	75,200	138.00	10,394
2016	(NA)	(NA)	77,032	158.00	12,146
2017	(NA)	(NA)	64,717	189.00	12,215

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. For Table 4-66, 2016 and 2017 includes only processing production, processing price, and processing value.

(NA) Not available. ¹Price and value at processing plant door.

NASS, Crops Branch, (202) 720-2127.

Table 4-67.—Sweet Potatoes: Area, yield, production, season average price per hundredweight received by farmers, and value, United States, 2008–2017

Year	Area harvested	Yield per acre	Production	Market year average price ¹	Value of production
	<i>1,000 acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	97.3	190	18,443	21.20	390,572
2009	96.9	201	19,469	21.80	423,677
2010	116.9	204	23,845	19.80	472,218
2011	129.7	208	26,964	18.80	505,938
2012	126.6	209	26,482	17.40	461,861
2013	113.2	219	24,785	24.10	597,217
2014	135.2	219	29,584	23.90	706,916
2015	153.1	203	31,016	21.80	675,583
2016	163.3	193	31,546	20.70	651,514
2017	159.3	224	35,646	20.60	732,926

¹ Obtained by weighting State prices by production. NASS, Crops Branch, (202) 720-2127.

Table 4-68.—Sweet Potatoes: Area, production, and season average price per hundredweight received by farmers, by State and United States, 2015–2017

State	Area harvested			Production			Market year average price per cwt		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Alabama	2.5	(NA)	(NA)	550	(NA)	(NA)	21.40	(NA)	(NA)
Arkansas	3.8	(D)	(D)	741	(D)	(D)	27.20	(D)	(D)
California	18.5	20.0	21.0	6,290	6,200	6,510	23.70	23.10	22.50
Florida	5.4	(D)	(D)	1,107	(D)	(D)	(D)	(D)	(D)
Louisiana	9.0	9.5	9.5	1,980	1,520	2,185	21.60	21.30	23.50
Mississippi	26.0	29.0	29.0	3,770	4,930	4,930	20.90	22.80	23.20
New Jersey	1.2	(NA)	(NA)	168	(NA)	(NA)	31.50	(NA)	(NA)
North Carolina	86.0	95.0	89.5	16,340	17,100	19,690	19.40	18.10	17.60
Texas	0.7	(NA)	(NA)	70	(NA)	(NA)	(D)	(NA)	(NA)
Other States	-	9.8	10.3	-	1,796	2,331	43.10	30.10	31.80
United States	153.1	163.3	159.3	31,016	31,546	35,646	21.80	20.70	20.60

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. NASS, Crops Branch, (202) 720-2127.

Table 4-69.—Squash for fresh market and processing: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	5,400	5,000	4,900	864	1,000	820	34.50	28.10	34.90
Florida	5,900	5,800	5,700	600	667	737	45.80	45.10	40.30
Georgia	3,000	3,600	3,500	420	576	537	40.30	38.00	43.80
Michigan	5,600	6,100	5,700	1,114	1,464	1,311	17.50	15.00	20.20
New Jersey	2,800	3,400	2,900	252	391	319	37.80	32.70	45.00
New York	4,200	4,100	4,100	594	697	609	42.00	29.30	38.30
North Carolina	2,400	3,100	2,300	235	205	223	28.30	30.00	45.40
Ohio ¹	1,800	(NA)	(NA)	324	(NA)	(NA)	40.00	(NA)	(NA)
Oregon	3,500	2,900	3,600	1,230	841	1,080	8.00	8.60	11.60
South Carolina ¹	1,500	(NA)	(NA)	165	(NA)	(NA)	25.90	(NA)	(NA)
Tennessee ¹	590	(NA)	(NA)	38	(NA)	(NA)	53.00	(NA)	(NA)
Texas	2,000	1,900	1,700	180	171	153	57.00	41.20	63.70
United States	38,690	35,900	34,400	6,016	6,012	5,789	29.00	25.90	30.80

(NA) Not available. ¹ Estimates discontinued in 2016.
NASS, Crops Branch, (202) 720–2127.

Table 4-70.—Squash for fresh market and processing, commercial crop: Area, yield, production, value and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	42,900	164	7,043	34.30	241,877
2012	41,800	176	7,369	31.80	234,101
2013	39,900	154	6,149	37.20	228,985
2014	39,330	153	6,017	31.20	187,820
2015	38,690	155	6,016	29.00	174,259
2016	35,900	167	6,012	25.90	155,736
2017	34,400	169	5,789	30.80	178,469

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

NASS, Crops Branch, (202) 720–2127.

Table 4-71.—Taro: Area, production, price, and value, Hawaii, 2011–2017

Year	Area harvested	Production	Price per pound	Value of production
				<i>1,000 dollars</i>
	<i>Acres</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	485	4,100	0.670	2,747
2012	400	3,500	0.670	2,345
2013	400	3,120	0.620	1,934
2014	360	3,240	0.600	1,944
2015	340	3,502	0.680	2,381
2016	310	3,503	0.660	2,312
2017	350	3,686	0.700	2,580

(NA) Not available.
NASS, Crops Branch, (202) 720–2127.

Table 4-72.—Tomatoes: Foreign trade, United States, 2008–2017

Year beginning July	Imports				Domestic exports ²			
	Fresh	Canned, whole and piece ¹	Catsup and sauces	Paste	Fresh	Canned, whole and piece	Catsup and sauces	Paste
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2008/2009	25,014	336	3,924	179	3,720	1,421	4,971	6,338
2009/2010	32,093	405	3,684	124	3,133	1,128	5,423	5,011
2010/2011	30,904	270	3,839	113	2,794	1,303	5,845	6,426
2011/2012	33,744	265	3,533	111	2,531	1,531	6,064	6,764
2012/2013	33,717	358	3,451	87	2,533	1,312	6,302	9,032
2013/2014	34,880	385	3,526	103	2,345	1,673	7,247	11,035
2014/2015	33,488	306	3,425	129	2,459	1,296	8,748	9,937
2015/2016	37,910	360	3,852	216	1,936	1,219	9,121	8,207
2016/2017	38,017	321	3,952	209	1,960	1,442	9,176	8,135
2017/2018	40,828	306	4,255	257	1,832	1,497	8,313	7,022

¹Includes all canned tomato and tomato product imports except paste and juice, on a product-weight-basis. ²Includes exports for military-civilian feeding abroad. ERS, Market and Trade Economics Division, (202) 694-5326. Based on data from U.S. Department of Commerce, U.S. Census Bureau.

Table 4-73.—Tomatoes, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2008–2017

Year	For fresh market				
	Area harvested	Yield per acre	Production	Value ¹	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2008	103,650	297	30,751	45.30	1,394,067
2009	107,600	305	32,781	40.40	1,324,830
2010	103,300	272	28,127	48.20	1,354,676
2011	100,010	301	30,105	36.10	1,087,373
2012	101,000	284	28,660	30.50	874,195
2013	99,600	265	26,391	44.60	1,177,592
2014	97,600	280	27,280	41.50	1,133,070
2015	92,200	286	26,375	46.30	1,221,270
2016	(NA)	(NA)	20,683	42.50	878,675
2017	(NA)	(NA)	20,447	37.30	762,529

Year	For processing				
	Area harvested	Yield per acre	Production	Value ²	
				Per ton	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2008	296,500	41.50	12,305,820	79.80	982,373
2009	327,800	42.62	13,970,560	87.20	1,218,912
2010	288,900	44.22	12,776,280	72.50	926,692
2011	267,800	46.29	12,396,150	75.60	936,861
2012	276,300	47.70	13,178,750	76.70	1,010,545
2013	277,000	45.60	12,631,500	90.10	1,138,462
2014	306,100	47.82	14,637,300	99.30	1,452,823
2015	310,600	47.50	14,754,350	93.70	1,381,956
2016	(NA)	(NA)	13,226,865	87.40	1,156,355
2017	(NA)	(NA)	11,005,854	82.80	911,645

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. For Table 4-73, 2016 and 2017 includes only fresh market production, fresh market price, fresh market value, processing production, processing price, and processing value.

(NA) Not available. ¹Price and value at point of first sale. ²Price and value at processing plant door. NASS, Crops Branch, (202) 720-2127.

Table 4-74.—Tomatoes, commercial crop: Area, production, and value per hundredweight and per ton, by State and United States, 2015–2017¹

Utilization and State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
Fresh market:	<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>
Alabama ²	1,100	(NA)	(NA)	385	(NA)	(NA)	51.50	(NA)	(NA)
Arkansas ²	800	(NA)	(NA)	152	(NA)	(NA)	59.00	(NA)	(NA)
California	28,300	(NA)	(NA)	8,773	7,823	6,616	35.00	28.00	31.20
Florida	32,200	(NA)	(NA)	9,499	7,280	7,988	47.70	52.50	32.80
Georgia ²	2,700	(NA)	(NA)	918	(NA)	(NA)	39.40	(NA)	(NA)
Indiana	700	(NA)	(NA)	50	25	31	55.00	66.20	75.00
Michigan	2,600	(NA)	(NA)	780	405	407	53.60	46.30	54.80
New Jersey	2,900	(NA)	(NA)	653	(D)	690	81.10	(D)	53.90
New York ²	2,300	(NA)	(NA)	299	(NA)	(NA)	105.00	(NA)	(NA)
North Carolina ..	3,300	(NA)	(NA)	1,023	961	(D)	46.00	54.20	(D)
Ohio	3,500	(NA)	(NA)	886	1,004	1,016	54.40	55.00	56.60
Pennsylvania ² ..	2,200	(NA)	(NA)	389	(NA)	(NA)	85.40	(NA)	(NA)
South Carolina ..	3,200	(NA)	(NA)	864	840	960	50.50	35.00	33.30
Tennessee	3,400	(NA)	(NA)	1,003	(D)	(D)	56.00	(D)	(D)
Texas ²	900	(NA)	(NA)	81	(NA)	(NA)	60.00	(NA)	(NA)
Virginia	2,100	(NA)	(NA)	620	504	(D)	55.00	46.00	(D)
Other States ³ ...	900	(NA)	(NA)	81	1,841	2,739	60.00	52.70	52.10
United States ...	92,200	(NA)	(NA)	26,375	20,683	20,447	46.30	42.50	37.30
Processing:	<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>
California	296,000	(NA)	(NA)	14,361,000	12,647,064	10,464,054	93.00	86.30	81.00
Indiana	6,700	(NA)	(NA)	191,620	252,233	222,631	120.00	113.00	123.00
Michigan	3,200	(NA)	(NA)	95,040	137,929	133,056	117.00	110.00	103.00
New Jersey	(NA)	(NA)	(NA)	(NA)	(D)	21,448	(NA)	(D)	94.00
Ohio	4,700	(NA)	(NA)	106,690	171,983	159,921	115.00	107.00	116.00
Tennessee	(NA)	(NA)	(NA)	(NA)	(D)	(D)	(NA)	(D)	(D)
Other States	(NA)	(NA)	(NA)	-	17,656	4,744	(X)	161.00	506.00
United States ...	310,600	(NA)	(NA)	14,754,350	13,226,865	11,005,854	93.70	87.40	82.80

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. For Table 4-74, 2016 includes only fresh market production, fresh market price, processing production, and processing price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Cherry, grape, tomatillo, and greenhouse tomatoes are excluded. ² Estimates discontinued in 2016. ³ Includes data withheld above.

NASS, Crops Branch, (202) 720-2127.

Table 4-75.—Watermelon for fresh market: Area, production, and value per hundredweight, by State and United States, 2015–2017

State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Alabama	2,800	(NA)	(NA)	420	(NA)	(NA)	14.50	(NA)	(NA)
Arizona	3,600	(NA)	(NA)	1,584	2,447	1,850	16.80	14.40	23.50
Arkansas	1,500	(NA)	(NA)	338	(NA)	(NA)	14.80	(NA)	(NA)
California	11,100	(NA)	(NA)	5,512	6,426	7,283	14.50	18.20	19.00
Delaware	2,300	(NA)	(NA)	761	1,239	1,267	13.00	14.00	8.00
Florida	21,000	(NA)	(NA)	5,880	6,825	7,702	15.00	16.10	17.60
Georgia	19,000	(NA)	(NA)	5,510	6,076	6,811	14.80	11.70	10.90
Indiana	6,900	(NA)	(NA)	2,415	3,010	2,780	13.00	12.00	10.50
Maryland	3,200	(NA)	(NA)	1,040	1,380	900	13.00	11.70	11.10
Mississippi	1,800	(NA)	(NA)	315	(NA)	(NA)	12.00	(NA)	(NA)
Missouri	2,600	(NA)	(NA)	572	(D)	(D)	8.70	(D)	(D)
North Carolina	5,800	(NA)	(NA)	1,798	(D)	1,924.7	18.00	(D)	10.80
Oklahoma	4,000	(NA)	(NA)	540	(NA)	(NA)	13.50	(NA)	(NA)
South Carolina	7,200	(NA)	(NA)	2,736	2,592	2,766	13.50	15.10	12.20
Texas	23,000	(NA)	(NA)	5,520	7,250	(D)	9.40	10.20	(D)
Virginia	650	(NA)	(NA)	163	(NA)	(NA)	22.00	(NA)	(NA)
Other States	(NA)	(NA)	(NA)	(NA)	2,430	6,606	(X)	13.50	15.10
United States	116,450	(NA)	(NA)	35,475	39,676	39,892	13.80	13.80	14.90

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. For Table 4-75, 2016 and 2017 will include only fresh market production and fresh market price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available.
 NASS, Crops Branch, (202) 720-2127.

Table 4-76.—Watermelon for fresh market, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2011-2017

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	117,570	307	36,127	13.90	502,560
2012	115,800	312	36,153	13.20	476,768
2013	113,630	318	36,102	14.20	513,987
2014	111,350	293	33,263	13.50	450,324
2015	116,450	294	35,475	13.80	488,383
2016	(NA)	(NA)	39,676	13.80	548,581
2017	(NA)	(NA)	39,892	14.90	595,304

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. For Table 4-76, 2016 and 2017 will include only fresh market production, fresh market price, and fresh market value.

(NA) Not available. ¹ Price and value at point of first sale.
 NASS, Crops Branch, (202) 720-2127.

Table 4-77.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 2017

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July
Vegetables:	<i>1,000 cwt</i>						
Artichokes	58	53	42	52	48	56	65
Artichokes-organic	1	1				1	1
Asparagus			11	108	168	111	3
Asparagus-organic						1	
Beans	222	226	316	299	229	148	54
Beans-organic				1			
Beets				2	4	3	4
Beets-organic	1				2	3	2
Broccoli	442	414	407	439	501	530	445
Broccoli-organic	20	19	14	24	29	41	26
Brussels sprouts	38	24	25	16	22	30	47
Cabbage	1,004	961	1,321	671	401	362	261
Cabbage-organic	5	5	6	5	4	4	4
Carrots	658	583	696	628	612	587	582
Carrots-organic	61	57	66	52	56	44	43
Cauliflower	501	381	330	287	418	367	324
Cauliflower-organic	10	9	8	23	32	35	27
Celery	1,324	1,141	1,163	1,061	998	1,140	982
Celery-organic	48	33	30	21	31	77	96
Corn, sweet	421	402	844	1,832	2,440	2,523	686
Corn, sweet-organic					15		
Cucumbers	26		142	405	574	503	359
Cucumbers-organic							
Eggplant	56	42	71	78	109	166	26
Eggplant-organic	1	1	1	1	1		
Endive	17	16	17	10	3	2	2
Endive-organic							2
Escarole	20	20	22	16	5	2	2
Greens	219	238	250	242	206	124	121
Greens-organic	28	22	17	9	12	21	14
Lettuce, iceberg	1,865	1,604	2,264	1,847	2,307	2,178	2,082
Lettuce, iceberg-organic				7	25	21	12
Lettuce, other	379	327	343	223	221	195	184
Lettuce, other-organic	8	5	3	4	6	4	4
Lettuce, romaine	2,128	1,787	2,112	1,730	1,756	1,607	1,456
Lettuce, romaine-organic	100	91	45	56	95	115	104
Lettuce processed	705	545	866	919	1,038	963	1,066
Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total	
Artichokes	63	61	52	48	71	669	
Artichokes-organic	1	2	1		1	9	
Asparagus						401	
Asparagus-organic						1	
Beans	66	63	67	220	173	2,083	
Beans-organic			1	2		4	
Beets	4	4	4	2		27	
Beets-organic	2	2	2	1		15	
Broccoli	452	347	416	646	560	5,599	
Broccoli-organic	27	23	25	30	21	299	
Brussels sprouts	64	61	80	115	95	617	
Cabbage	572	584	617	533	815	8,102	
Cabbage-organic	5	8	6	3	1	56	
Carrots	594	540	545	541	594	7,160	
Carrots-organic	52	47	37	48	36	599	
Cauliflower	386	347	368	451	363	4,523	
Cauliflower-organic	30	18	23	28	11	254	
Celery	1,132	1,058	1,249	1,489	1,184	13,921	
Celery-organic	89	95	116	97	31	764	
Corn, sweet	600	411	344	225	266	10,994	
Corn, sweet-organic				1		16	
Cucumbers	485	452	298	231	129	3,604	
Cucumbers-organic				2	1	3	
Eggplant	32	47	82	71	43	823	
Eggplant-organic					1	5	
Endive	3	2	3	6	8	89	
Endive-organic						2	
Escarole	3	3	4	10	9	116	
Greens	94	136	157	336	419	2,542	
Greens-organic	18	20	16	16	9	202	
Lettuce, iceberg	2,222	2,011	1,898	1,793	2,020	24,091	
Lettuce, iceberg-organic	12	8	10	8		103	
Lettuce, other	203	195	210	256	352	3,088	
Lettuce, other-organic	6	4	4	7	4	59	
Lettuce, romaine	1,628	1,534	1,543	1,800	2,079	21,160	
Lettuce, romaine-organic	119	98	86	64	42	1,015	
Lettuce processed	833	1,187	1,180	980	930	11,212	

See footnote(s) at end of table.

Table 4-77.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 2017—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July
Vegetables:	1,000 cwt						
Onions, dry	3,692	3,171	3,867	4,398	4,257	3,875	4,006
Onions, dry-organic .....	.....	1	.....	9	20	15	4
Onions processed	539	618	620	727	560	434	689
Onions, green	14	12	13	23	22	28	28
Parsley	26	21	24	34	27	35	33
Parsley-organic	4	2	2	1	1	2	2
Peas, green .....	.....	.....	.....	.....	.....	.....	.....
Peppers, bell	414	321	416	561	846	956	815
Peppers, bell-organic	2	1	2	2	7	8	6
Peppers, other	18	13	13	14	31	30	25
Potatoes, table	7,856	7,541	8,632	7,709	8,040	8,276	7,884
Potatoes, table-organic	159	152	176	139	77	89	133
Potatoes, chipper	4,111	3,844	4,013	5,303	4,787	4,797	5,986
Potatoes, chipper-organic .....	.....	.....	.....	.....	.....	.....	.....
Potatoes, seed	492	1,189	3,527	5,326	2,735	130	.....
Radishes	41	42	57	45	24	21	19
Radishes-organic .....	.....	.....	.....	.....	.....	1	1
Spinach	208	206	230	83	59	62	56
Spinach-organic	37	41	43	13	1	2	2
Squash	93	101	150	177	260	190	162
Squash-organic	5	3	5	6	1	.....	.....
Sweet potatoes	769	825	908	949	779	658	657
Sweet potatoes-organic	8	7	9	5	3	4	5
Tomatoes	1,220	1,040	1,275	1,281	1,187	1,096	1,251
Tomatoes-organic .....	.....	.....	.....	.....	.....	.....	1
Tomatoes, greenhouse	88	85	96	178	168	175	203
Toms, Grape Type	154	141	189	158	171	124	85
Toms, Grape Type-greenhouse	12	10	15	25	24	19	17
Toms, Grape Type-organic	11	7	10	15	12	6	1
Toms, Cherry	53	53	59	44	38	30	24
Toms, Cherry-greenhouse	1	1	1	2	2	2	2
Toms, Plum Type	245	222	287	187	217	123	301
Total	30,642	28,678	36,072	38,482	36,729	33,161	31,498
Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total	
Onions, dry	3,775	3,612	3,776	3,825	3,754	46,008	
Onions, dry-organic	1	1	1	1	1	54	
Onions processed	337	566	468	418	571	6,547	
Onions, green	26	29	29	30	18	272	
Parsley	39	34	40	38	24	375	
Parsley-organic	2	2	2	2	1	23	
Peas, green .....	.....	1	1	.....	.....	2	
Peppers, bell	656	607	615	700	369	7,276	
Peppers, bell-organic .....	.....	.....	1	2	.....	31	
Peppers, other	6	3	17	16	21	207	
Potatoes, table	8,049	8,329	7,858	8,688	7,870	96,732	
Potatoes, table-organic	214	197	181	205	186	1,908	
Potatoes, chipper	3,955	5,633	4,103	3,969	5,145	55,646	
Potatoes, chipper-organic .....	.....	.....	.....	.....	.....	1	
Potatoes, seed .....	.....	38	73	72	161	13,743	
Radishes	21	21	32	37	37	397	
Radishes-organic	1	1	.....	.....	.....	4	
Spinach	64	54	73	122	168	1,385	
Spinach-organic	1	1	20	18	30	209	
Squash	134	125	99	137	143	1,771	
Squash-organic .....	.....	.....	1	5	6	32	
Sweet potatoes	688	760	747	1,404	961	10,105	
Sweet potatoes-organic	4	4	7	8	5	69	
Tomatoes	1,294	1,177	961	752	679	13,213	
Tomatoes-organic .....	.....	.....	.....	.....	.....	1	
Tomatoes, greenhouse	131	139	113	93	117	1,586	
Toms, Grape Type	73	85	52	85	82	1,399	
Toms, Grape Type-greenhouse	12	20	14	14	17	199	
Toms, Grape Type-organic .....	.....	.....	.....	7	6	75	
Toms, Cherry	30	30	14	18	20	413	
Toms, Cherry-greenhouse	2	3	5	3	4	28	
Toms, Plum Type	401	366	224	124	155	2,852	
Total	29,725	31,207	28,972	30,854	30,820	386,840	

See footnote(s) at end of table.

Table 4-77.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 2017—Continued

Commodity	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Total
Melons:	1,000 cwt									
Cantaloupe		47	1,713	2,459	2,430	2,432	1,536	930	295	11,842
Cantaloupe-organic			25	65	52	57	48			247
Honeydews			78	274	679	709	504	144	56	2,444
Honeydews-organic			2	7	18	9	2			38
Mixed & misc. melons			46	193	172	101	1			513
Mixed & misc. melons-organic					11	5				16
Watermelon, seedless	41	1,271	5,618	9,806	8,699	7,995	1,971	130		35,531
Watermelon, seedless-organic			15	59	68	47	17			206
Watermelon, seeded	7	219	735	736	550	416	51	1		2,714
Watermelon, seeded-organic				2						2
Total	48	1,537	8,232	13,601	12,679	11,771	4,130	1,624	344	53,553

Note: No data for January, February, and December 2017.

AMS, Fresh Fruit and Vegetable Specialty Crops, Market News Division, (202) 205-9690.

Table 4-78.—Vegetables, fresh: Per capita civilian utilization (farm-weight basis), United States, 2008–2017¹

Year	Cabbage	Cucumbers	Tomatoes ²	Asparagus	Broccoli	Carrots
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	8.1	6.4	18.5	1.2	6.0	8.1
2009	7.3	6.8	19.6	1.3	6.2	7.4
2010	7.5	6.7	20.6	1.4	6.0	7.8
2011	6.6	6.4	21.0	1.4	5.9	7.5
2012	6.3	7.1	20.8	1.4	6.3	7.9
2013	6.9	7.3	20.2	1.4	6.9	8.0
2014	6.7	7.4	20.6	1.6	6.6	8.5
2015	6.3	7.6	20.5	1.5	7.4	8.8
2016	5.9	8.2	20.4	1.5	7.4	7.8
2017	6.0	7.5	20.3	1.6	7.1	7.3

Year	Head lettuce	Leaf/romaine	Snap beans	Garlic	Cauliflower	Celery
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	16.8	10.4	2.0	2.8	1.6	6.2
2009	16.1	10.0	1.7	2.4	1.7	6.2
2010	15.9	12.0	1.9	2.3	1.3	6.1
2011	15.8	11.7	1.7	2.3	1.2	6.0
2012	15.9	11.9	1.6	2.3	1.2	6.0
2013	14.1	11.4	1.6	2.3	1.3	5.5
2014	14.5	10.8	1.5	2.2	1.3	5.5
2015	13.6	11.0	1.6	2.4	1.6	5.4
2016	14.3	12.7	1.7	2.9	1.6	5.0
2017	13.3	12.5	1.5	3.0	2.2	4.6

Year	Sweet Corn	Onions	Spinach	Bell peppers	Others ³	Total vegetables ⁴
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	9.1	20.2	1.7	9.5	18.9	143.1
2009	9.2	19.6	2.0	9.8	18.4	141.3
2010	9.2	19.6	1.7	10.3	18.3	144.7
2011	8.2	19.1	1.8	10.6	18.8	141.9
2012	8.7	19.5	1.6	10.7	19.3	144.7
2013	8.9	18.5	1.6	10.0	18.8	140.9
2014	7.6	18.3	1.7	10.7	20.4	142.2
2015	8.6	18.9	1.7	10.7	18.2	141.7
2016	7.2	19.0	1.8	11.0	20.8	144.4
2017	7.5	21.9	1.7	11.4	20.2	145.0

¹Fresh vegetable consumption computed for total commercial production for fresh market. Does not include production for home use. Consumption obtained by dividing the total apparent consumption by total July 1 population as reported by the Bureau of the Census. All data for calendar year. ²After 1996, includes an ERS estimate of domestically produced hothouse tomatoes. Hothouse imports included in all years. ³Includes artichokes, eggplant, radishes, brussels sprouts, squash, green limas, and escarole/endive. Beginning in 2000, also includes collards, mustard greens, turnip greens, kale, okra, and pumpkins. ⁴Excludes melons, mushrooms, potatoes, and sweet potatoes.

ERS, Market and Trade Economics Division, (202) 694-5326.

Table 4-79.—Vegetables, canning: Per capita utilization (farm weight), United States, 2008–2017

Year	Cabbage	Asparagus	Snap beans	Carrots	Green peas
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	0.9	0.2	3.3	1.0	1.1
2009	0.9	0.2	3.6	0.9	1.3
2010	1.0	0.1	3.7	0.7	1.1
2011	1.0	0.1	3.2	0.8	0.8
2012	1.2	0.1	2.9	0.8	0.8
2013	1.1	0.1	2.9	0.8	0.9
2014	1.1	0.1	2.8	0.7	0.7
2015	1.2	0.1	2.9	0.7	0.8
2016	1.4	0.1	3.2	1.0	0.8
2017	1.4	0.1	3.1	1.1	0.6

Year	Tomatoes	Sweet corn	Pickling Cucumbers	Other ¹	Total
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	67.1	6.7	3.5	2.6	92.7
2009	70.3	7.6	5.1	2.3	98.7
2010	70.8	6.9	3.7	2.5	97.1
2011	65.7	5.8	2.8	2.6	89.4
2012	66.5	5.9	3.0	2.7	91.0
2013	65.9	5.8	3.2	2.6	90.2
2014	67.2	5.8	3.9	2.5	92.0
2015	56.3	5.3	3.4	2.9	80.8
2016	61.5	5.2	3.1	3.0	87.1
2017	73.3	5.4	3.8	2.9	95.2

¹ Includes beets, green limas (1992-2014), spinach, and miscellaneous imports (1990-2014). ERS, Market and Trade Economics Division, (202) 694-5326.

Table 4-80.—Vegetables, freezing: Per capita utilization (farm weight basis), United States, 2008–2017

Year	Asparagus	Snap beans	Carrots	Peas	Broccoli
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	0.1	2.1	1.5	1.8	2.7
2009	0.1	1.9	1.5	1.7	2.5
2010	0.1	2.0	1.5	1.5	2.5
2011	0.1	1.5	1.6	1.6	2.7
2012	0.1	1.9	1.2	1.9	2.6
2013	0.1	2.1	1.7	1.5	2.5
2014	0.1	1.8	1.2	1.6	2.6
2015	0.1	1.9	1.4	1.5	2.6
2016	0.2	2.0	1.9	1.0	2.6
2017	0.1	1.9	2.3	1.2	2.4

Year	Cauliflower	Sweet Corn	Other ¹	Total vegetables excluding potatoes
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	0.4	9.2	4.0	21.9
2009	0.4	9.1	4.3	21.4
2010	0.4	8.5	4.5	20.9
2011	0.4	9.8	4.3	21.9
2012	0.3	9.8	4.5	22.3
2013	0.3	7.0	4.3	19.5
2014	0.4	7.7	4.6	19.8
2015	0.3	8.0	4.7	20.4
2016	0.4	7.9	4.6	20.6
2017	0.5	8.5	4.2	21.1

¹ Includes green lima beans, spinach, and miscellaneous freezing vegetables. ERS, Market and Trade Economics Division, (202) 694-5326.

Table 4-81.—Commercially produced vegetables: Per capita utilization, United States, 2008–2017

Year	Farm weight equivalent						
	Total fresh and processed	Fresh ²	Processed				
			Total	Canning	Freezing	Potatoes	Others ¹
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2008	348.3	143.1	205.3	92.7	21.9	80.5	10.2
2009	348.8	141.3	207.5	98.7	21.4	76.7	10.7
2010	351.1	144.7	206.4	97.1	20.9	77.0	11.3
2011	341.8	141.9	199.9	89.4	21.9	76.3	12.2
2012	350.2	144.7	205.4	91.0	22.3	80.2	12.0
2013	340.4	140.9	199.5	90.2	19.5	78.8	11.0
2014	346.0	142.2	203.8	92.0	19.8	79.3	12.7
2015	336.9	141.7	195.2	80.8	20.4	81.2	12.9
2016	341.6	144.4	197.1	87.1	20.6	76.4	13.0
2017	356.1	145.0	211.1	95.2	21.1	82.4	12.4

Year	Percentage of annual total						
	Fresh ²	Processed					
		Total	Canning	Freezing	Potatoes	Others ¹	
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	
2008	41.1	58.9	26.6	6.3	23.1	2.9	
2009	40.5	59.5	28.3	6.1	22.0	3.1	
2010	41.2	58.8	27.7	6.0	21.9	3.2	
2011	41.5	58.5	26.2	6.4	22.3	3.6	
2012	41.3	58.7	26.0	6.4	22.9	3.4	
2013	41.4	58.6	26.5	5.7	23.2	3.2	
2014	41.1	58.9	26.6	5.7	22.9	3.7	
2015	42.1	57.9	24.0	6.1	24.1	3.8	
2016	42.3	57.7	25.5	6.0	22.4	3.8	
2017	40.7	59.3	26.7	5.9	23.1	3.5	

¹Others include mushrooms, sweet potatoes, and onions for dehydrating market. ²See table 4-78 for items included under Fresh category. Excludes melons. ERS, Market and Trade Economics Division, (202) 694-5326.

Table 4-82.—Frozen Vegetables and potato products: Cold storage holdings, end of month, United States, 2016 and 2017

Month	Asparagus		Lima beans		Green beans, regular cut		Green beans, french style	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	12,144	10,780	53,533	51,451	180,082	190,073	14,378	14,324
February	11,225	10,273	50,432	48,414	158,534	174,009	14,121	13,321
March	10,877	9,243	47,576	44,371	142,228	159,278	13,331	12,838
April	10,290	9,012	46,603	40,852	136,727	144,992	12,092	11,522
May	12,246	9,781	42,577	39,116	131,014	132,483	10,477	9,874
June	14,490	11,137	40,193	36,817	122,127	115,498	9,912	8,923
July	13,429	11,395	37,743	33,753	169,238	138,593	13,009	12,355
August	12,697	12,102	45,577	33,807	242,529	196,016	18,951	16,478
September	12,328	11,928	61,184	48,322	265,200	238,830	20,521	18,836
October	12,089	10,893	66,795	63,786	263,320	230,850	18,876	18,222
November	12,133	9,914	59,516	56,226	233,980	216,052	16,312	16,302
December	11,395	10,188	55,895	54,024	209,496	191,291	14,482	15,187
Month	Broccoli, spears		Broccoli, chopped & cut		Brussels sprouts		Carrots, diced	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	24,480	24,405	38,275	46,006	18,028	23,187	159,472	145,245
February	26,498	26,382	35,525	43,333	16,367	22,721	148,175	127,999
March	26,783	32,156	34,633	40,864	14,363	20,508	142,072	119,945
April	33,170	31,070	35,389	39,286	13,801	19,588	129,994	114,784
May	29,783	30,890	34,273	36,102	13,785	18,428	116,769	107,957
June	27,727	30,877	37,574	31,521	13,061	16,253	99,573	97,296
July	28,986	28,038	40,191	34,386	13,569	14,379	95,109	86,068
August	27,355	27,541	44,837	39,995	12,265	14,101	83,701	79,758
September	25,951	24,817	41,996	37,178	11,564	13,415	85,034	75,024
October	25,119	26,515	41,969	34,739	15,110	16,126	125,903	109,489
November	24,068	22,921	41,462	33,388	18,241	17,219	173,404	152,316
December	21,870	23,877	42,915	32,738	22,021	21,878	161,641	142,941
Month	Carrots, other		Cauliflower		Corn, cut		Corn, cob	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	163,079	171,689	25,971	28,913	488,940	463,549	216,834	197,123
February	154,349	157,377	24,669	28,826	479,571	414,754	198,513	177,461
March	144,494	152,193	23,833	29,002	412,766	371,774	164,351	150,107
April	141,373	143,200	23,236	27,679	381,312	316,608	135,956	128,032
May	132,722	129,246	23,443	27,497	339,900	275,307	112,977	101,904
June	119,896	112,691	22,634	28,013	289,897	220,012	91,597	73,922
July	109,006	100,623	21,690	28,703	301,633	216,938	97,354	74,754
August	113,894	106,683	18,853	26,193	464,716	377,400	177,551	181,921
September	117,326	118,442	19,651	25,043	587,865	519,847	223,337	278,137
October	163,522	144,425	26,266	33,584	600,062	568,117	250,261	297,466
November	197,013	160,556	26,986	32,655	552,697	521,589	227,305	286,139
December	191,102	164,466	27,325	34,083	522,396	479,654	207,064	257,185
Month	Mixed vegetables		Okra		Onion rings		Onions, other	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	56,725	68,538	46,590	27,901	11,945	14,924	34,588	46,590
February	55,364	68,978	38,266	22,677	13,311	15,412	34,825	48,496
March	57,650	72,412	27,614	15,482	14,630	13,278	36,320	52,896
April	59,996	73,221	18,995	12,582	17,022	13,368	41,071	59,402
May	61,403	69,127	15,574	13,608	16,323	13,467	41,226	62,596
June	60,593	69,734	27,167	24,246	16,005	12,810	41,801	58,558
July	66,007	67,369	40,280	35,802	14,024	10,447	40,564	57,772
August	65,596	72,540	46,536	38,821	14,144	11,281	47,847	62,386
September	65,498	74,115	51,893	41,607	13,977	12,048	44,597	58,852
October	62,944	71,407	45,379	35,675	15,179	11,522	43,979	52,522
November	61,384	68,516	38,372	30,451	13,542	11,026	46,329	56,293
December	62,424	57,762	33,964	27,190	13,769	12,375	48,337	57,472

See footnote(s) at end of table.

Table 4-82.—Frozen Vegetables and potato products: Cold storage holdings, end of month, United States, 2016 and 2017—Continued

Month	Blackeye peas		Green peas		Peas & carrots mixed		Spinach	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	2,245	1,806	251,096	294,248	7,409	7,052	46,300	52,754
February	2,249	1,758	225,590	267,497	7,783	7,082	48,937	53,051
March	2,222	1,440	195,128	238,263	8,168	7,843	51,476	55,467
April	1,740	1,477	166,005	205,494	8,970	8,829	54,104	64,293
May	1,674	1,308	173,146	191,203	8,308	8,820	58,234	69,307
June	1,377	1,804	360,749	322,460	8,348	8,989	57,913	68,427
July	1,511	1,728	455,262	428,002	8,125	8,965	55,714	66,484
August	1,332	1,900	437,827	410,645	8,462	8,685	54,125	61,732
September	1,650	2,048	401,126	381,666	8,570	8,985	50,834	55,186
October	1,243	2,015	361,786	342,202	8,046	9,184	53,179	54,843
November	1,629	1,564	343,397	305,457	6,640	8,819	53,268	55,327
December	1,600	1,484	323,820	277,206	6,884	7,914	54,850	50,731
Month	Squash		Southern greens		Other vegetables		Total frozen vegetables	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	62,562	60,266	18,840	19,399	368,774	447,244	2,302,290	2,407,467
February	56,243	57,026	22,736	22,687	346,407	447,065	2,169,690	2,256,599
March	51,282	52,372	25,850	22,253	326,102	451,698	1,973,749	2,125,683
April	47,622	51,233	23,650	20,693	322,249	416,977	1,861,367	1,954,194
May	44,368	50,246	20,532	19,420	328,465	385,932	1,769,219	1,803,619
June	42,122	48,617	19,105	18,600	331,768	397,044	1,855,629	1,814,249
July	45,836	44,080	19,858	19,238	340,474	418,221	2,028,612	1,938,093
August	52,030	48,758	18,049	18,517	405,041	518,807	2,413,915	2,366,067
September	57,591	52,799	17,474	16,027	441,482	618,682	2,626,649	2,731,834
October	64,452	59,392	15,574	13,036	476,689	660,094	2,757,742	2,866,104
November	66,882	66,595	16,668	12,334	463,852	646,967	2,695,080	2,788,626
December	64,176	66,948	18,899	12,803	453,978	626,616	2,570,303	2,626,013
Month	Frozen potatoes							
	French fries		Other frozen potatoes		Total frozen potatoes			
	2016	2017	2016	2017	2016	2017		
<i>1,000 pounds</i>								
January	813,623	952,318	208,060	243,361	1,021,683	1,195,679		
February	814,417	957,302	231,625	253,280	1,046,042	1,210,582		
March	824,643	950,310	247,546	262,027	1,072,189	1,212,337		
April	832,264	949,450	262,764	270,257	1,095,028	1,219,707		
May	832,319	937,978	289,839	271,298	1,122,158	1,209,276		
June	889,492	954,888	286,296	275,721	1,175,788	1,230,609		
July	882,810	922,100	266,218	279,584	1,149,028	1,201,684		
August	904,433	919,604	256,089	270,595	1,160,522	1,190,199		
September	969,743	976,777	247,418	260,202	1,217,161	1,236,979		
October	1,000,935	1,002,723	252,524	270,789	1,253,459	1,273,512		
November	927,791	1,010,300	252,691	263,835	1,180,482	1,274,135		
December	893,453	940,958	231,118	242,085	1,124,571	1,183,043		

NASS, Livestock Branch, (202) 720-3570.

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 5-1.—Fruits and planted nuts: Bearing area, United States, 2008–2017

Year	Citrus fruits ¹	Major deciduous fruits ²	Miscellaneous Noncitrus ³	Nuts ⁴	Total
	<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>
2008	850.9	1,731.5	303.4	1,101.3	3,987.1
2009	844.8	1,739.7	306.3	1,159.7	4,050.5
2010	825.2	1,750.3	310.0	1,206.0	4,091.5
2011	809.2	1,744.2	315.5	1,261.5	4,116.0
2012	801.8	1,734.6	260.7	1,316.0	4,113.1
2013	791.2	1,749.6	339.4	1,379.0	4,259.1
2014	777.7	1,733.8	361.6	1,427.0	4,300.0
2015	764.9	1,726.7	366.7	1,503.0	4,361.3
2016	737.8	1,700.2	364.0	1,939.7	4,741.7
2017	711.0	1,683.3	347.3	2,015.5	4,757.1

¹ Grapefruit, lemons, oranges, tangelos, and tangerines. ² Commercial apples, apricots, cherries, grapes, nectarines, peaches, pears, plums, and prunes. ³ Avocados, bananas, berries, coffee, cranberries, dates, figs, guavas, kiwifruit, olives, papayas, and strawberries. ⁴ Almonds, hazelnuts, macadamia nuts, pistachios, and walnuts. Bearing acreage estimates for pecans began in 2016.

NASS, Crops Branch, (202) 720-2127.

Table 5-2.—Fruits: Total production in tons, United States, 2008–2017¹

Year	Apples, commercial crop ²	Peaches	Pears	Grapes (fresh basis)	Sweet cherries	Tart cherries	Apricots
1,000 tons							
2008	4,812	1,135	870	7,279	248	107	82
2009	4,844	1,104	957	7,268	443	180	69
2010	4,641	1,149	814	7,432	313	95	66
2011	4,720	1,071	966	7,409	334	116	67
2012	4,496	968	851	7,531	424	43	61
2013	5,216	904	877	8,632	332	147	61
2014	5,907	853	832	7,884	364	152	65
2015	5,023	847	816	7,621	336	126	46
2016	5,689	796	739	7,697	350	165	64
2017	5,703	698	737	7,363	438	130	46
Year	Figs (fresh basis)	Plums (CA)	Prunes (fresh basis) (CA)	Prunes & Plums (ID,MI,OR,WA)	Olives	Strawberries ³	Avocados ³
1,000 tons							
2008	43	160	368	16	67	1,266	116
2009	44	112	496	19	46	1,401	299
2010	41	142	390	12	206	1,426	174
2011	39	160	444	13	71	1,451	263
2012	35	115	436	13	160	1,526	(NA)
2013	33	95	255	13	166	1,524	183
2014	33	113	324	15	95	1,511	173
2015	32	106	325	10	179	(NA)	229
2016	33	136	157	(NA)	165	1,580	138
2017	31	141	325	(NA)	192	1,600	146
Year	Nectarines	Oranges ⁴	Tangerines and Mandarins ^{4,5}	Grapefruit ⁴	Lemons ⁴	Tangelos ^{4,6}	Cranberries
1,000 tons							
2008	303	10,076	527	1,548	619	68	393
2009	220	9,128	443	1,304	912	52	346
2010	233	8,243	596	1,238	882	41	340
2011	225	8,905	657	1,264	920	52	386
2012	189	8,268	682	1,204	912	45	402
2013	162	6,768	732	1,047	824	40	448
2014	205	6,353	863	910	904	30	420
2015	175	6,088	935	803	904	18	428
2016	168	5,088	1,029	698	882	(NA)	481
2017	158	3,919	804	517	888	(NA)	419
Year	Bananas	Kiwifruit	Dates	Papayas	Berries ⁷	Guavas ⁸	
1,000 tons							
2008	9	23	21	17	320	2	
2009	9	26	24	16	359	1	
2010	9	33	29	15	348	1	
2011	9	38	33	14	384	1	
2012	(NA)	30	31	(NA)	391	(NA)	
2013	7	28	31	12	435	1	
2014	6	28	33	12	480	1	
2015	5	21	39	14	507	(NA)	
2016	3	28	38	10	530	(NA)	
2017	13	34	43	13	.....	(NA)	

(NA) Not available. ¹ For some crops in certain years, production includes some quantities unharvested for economic reasons or excess cullage fruit. ² Estimates of the commercial crop refer to production in orchards of 100 or more bearing-age trees. ³ Year of bloom. ⁴ Year harvest was complete. ⁵ Beginning in 2015, tangerine and mandarin estimates are discontinued for Arizona. ⁶ Beginning in 2016, tangelos are included in tangerines and mandarins. ⁷ Excludes strawberries and cranberries. ⁸ Estimates discontinued in 2015.
NASS, Crops Branch, (202) 720-2127.

Table 5-3.—Apples, commercial crop: Production and season average price per pound, by State and United States, 2015–2017

State	Total production			Utilized production			Price per pound ¹ for crop of—		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Arizona ²	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
California	201.0	255.0	225.0	200.0	250.0	220.0	0.254	0.207	0.325
Colorado ²	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Connecticut	25.1	12.9	29.5	24.3	12.5	29.3	0.585	0.973	0.679
Idaho	46.1	55.2	47.4	46.0	55.0	45.0	0.326	0.175	0.181
Illinois	20.5	18.7	22.4	19.9	18.1	21.4	0.558	0.872	0.647
Indiana ²	22.5	(NA)	(NA)	20.5	(NA)	(NA)	0.382	(NA)	(NA)
Iowa ²	4.8	(NA)	(NA)	4.0	(NA)	(NA)	0.863	(NA)	(NA)
Maine	35.6	36.5	43.5	35.1	36.3	41.8	0.504	0.483	0.438
Maryland	41.0	38.4	43.0	40.9	38.3	42.6	0.202	0.264	0.194
Massachusetts	43.1	29.0	39.0	42.4	28.4	37.9	0.530	0.445	0.386
Michigan	995.0	1,275.0	840.0	990.0	1,273.0	839.0	0.236	0.255	0.300
Minnesota	26.1	19.3	23.0	21.9	18.7	21.5	0.810	0.815	0.862
Missouri ²	28.3	(NA)	(NA)	28.1	(NA)	(NA)	0.440	(NA)	(NA)
New Hampshire ²	20.2	(NA)	(NA)	20.0	(NA)	(NA)	0.638	(NA)	(NA)
New Jersey	41.7	34.7	42.0	41.0	34.0	40.0	0.886	1.070	0.936
New York	1,360.0	1,180.0	1,300.0	1,350.0	1,170.0	1,280.0	0.207	0.276	0.268
North Carolina	105.0	104.0	100.0	103.0	103.0	98.0	0.207	0.237	0.247
Ohio	50.5	33.5	47.0	49.0	33.0	46.5	0.421	0.520	0.478
Oregon	125.4	195.4	175.2	125.0	195.0	175.0	0.355	0.307	0.221
Pennsylvania	519.0	442.0	528.0	515.0	439.0	526.0	0.191	0.198	0.223
Rhode Island ²	2.4	(NA)	(NA)	2.2	(NA)	(NA)	0.831	(NA)	(NA)
Tennessee ²	4.6	(NA)	(NA)	4.5	(NA)	(NA)	0.295	(NA)	(NA)
Utah ²	15.0	(NA)	(NA)	14.9	(NA)	(NA)	0.329	(NA)	(NA)
Vermont	36.2	26.9	25.0	35.9	26.7	24.9	0.432	0.685	0.742
Virginia	195.2	180.0	225.0	195.0	178.0	224.0	0.177	0.201	0.217
Washington	5,930.0	7,320.0	7,500.0	5,890.0	6,900.0	7,200.0	0.394	0.341	0.338
West Virginia	92.3	80.0	102.0	92.0	79.8	101.0	0.152	0.190	0.180
Wisconsin	51.5	41.0	49.0	48.1	39.5	47.9	0.578	0.552	0.549
Other States ³	7.9	-	-	7.7	-	-	0.462	(X)	(X)
United States	10,046.0	11,377.5	11,406.0	9,966.4	10,928.3	11,061.8	0.336	0.317	0.321

—Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable.
¹ Fresh fruit prices are equivalent packinghouse-door returns for California, Michigan, New York, Pennsylvania, and Washington; prices at point of first sale for other States. Processing prices are equivalent at processing plant door. ² Estimates discontinued in 2016. ³ Includes data withheld above.
 NASS, Crops Branch, (202) 720-2127.

Table 5-4.—Apples: Production and value, United States, 2008–2017

Year	Apples, commercial crop			
	Total production	Utilized production	Marketing year average price ¹	Value
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>
2008	9,623.3	9,531.7	23.2	2,210,997
2009	9,687.7	9,435.6	23.1	2,182,003
2010	9,282.1	9,205.0	25.1	2,310,982
2011	9,439.6	9,328.8	30.3	2,830,784
2012	8,992.3	8,926.5	37.1	3,314,996
2013	10,431.6	10,339.9	30.3	3,132,936
2014	11,814.0	11,170.8	25.7	2,870,745
2015	10,046.0	9,966.4	33.6	3,350,095
2016	11,377.5	10,928.3	31.7	3,460,017
2017	11,406.0	11,061.8	32.1	3,549,683

¹ Fresh fruit prices are equivalent packinghouse-door returns for California, Michigan, New York, Pennsylvania, and Washington; prices at point of first sale for other States. Processing prices are equivalent at processing plant door.
 NASS, Crops Branch, (202) 720-2127.

Table 5-5.—International Apples, fresh: Production in specified countries, 2013/2014–2015/2016

Country	Production		
	2013/2014	2014/2015	2015/2016
	<i>metric tons</i>	<i>metric tons</i>	<i>metric tons</i>
Brazil	1,377,400	1,266,000	1,240,000
Chile	1,310,000	1,350,000	1,350,000
China	39,680,000	40,920,000	43,000,000
European Union	11,864,900	13,618,500	12,220,000
India	2,200,000	2,200,000	2,200,000
Iran	1,693,000	1,693,000	1,693,000
Russia	1,416,500	1,408,600	1,390,000
South Africa	792,500	860,000	865,000
Turkey	2,930,000	2,289,000	2,740,000
Ukraine	1,211,000	1,211,000	1,211,000
Others	4,649,600	4,560,800	4,548,800
Total Foreign	69,124,900	71,376,900	72,457,800
United States	4,690,101	5,074,793	4,561,000
Total	73,815,001	76,451,693	77,018,800

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-6.—Apples, commercial crop: Production and utilization, United States, 2008–2017

Crop of—	Total production	Utilized production	Utilization				
			Fresh	Processed (fresh basis)			
				Canned	Dried	Frozen	Juice, cider & other ¹
<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>
2008	9,623.3	9,531.7	6,265.9	1,253.4	212.7	211.2	1,588.5
2009	9,687.7	9,435.6	6,296.4	1,158.2	161.2	236.2	1,583.6
2010	9,282.1	9,205.0	6,248.8	1,088.3	175.5	206.0	1,486.4
2011	9,439.6	9,328.8	6,312.9	1,123.7	183.5	190.5	1,517.8
2012	8,992.3	8,926.5	6,594.9	748.9	223.0	66.6	1,292.8
2013	10,431.6	10,339.9	6,895.3	1,264.4	161.0	239.3	1,779.9
2014	11,814.0	11,170.8	7,882.3	1,135.0	171.0	250.5	1,732.0
2015	10,046.0	9,966.4	6,895.7	1,110.0	179.0	187.5	1,515.4
2016	11,377.5	10,928.3	7,680.2	1,214.5	339.2	137.5	1,421.9
2017	11,406.0	11,061.8	7,714.0	1,165.7	370.0	119.0	1,530.2

¹ Includes vinegar, wine, and slices for pie making. NASS, Crops Branch, (202) 720-2127.

Table 5-7.—Apples, commercial crop: Production and utilization, by State and United States, crop of 2016 and 2017

State	Total production	Utilized production	Utilization				
			Fresh	Processed (fresh basis)			
				Canned	Dried	Frozen	Juice, cider & other ¹
<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>
2016							
California	255.0	250.0	(D)	.....	.....	.....	.....
Connecticut	12.9	12.5	11.7	.....	.....	.....	.....
Idaho	55.2	55.0	31.0	.....	.....	.....	.....
Illinois	18.7	18.1	(D)	.....	.....	.....	.....
Maine	36.5	36.3	24.2	.....	.....	.....	.....
Maryland	38.4	38.3	16.3	.....	.....	.....	.....
Massachusetts	29.0	28.4	21.1	.....	.....	.....	.....
Michigan	1,275.0	1,273.0	635.0	330.0	.....	.....	.....
Minnesota	19.3	18.7	16.8	.....	.....	.....	.....
New Jersey	34.7	34.0	27.0	.....	.....	.....	.....
New York	1,180.0	1,170.0	650.0	220.0	.....	.....	.....
North Carolina	104.0	103.0	48.0	(D)	.....	.....	.....
Ohio	33.5	33.0	26.5	.....	.....	.....	.....
Oregon	195.4	195.0	165.0	.....	.....	.....	.....
Pennsylvania	442.0	439.0	178.0	177.0	.....	.....	.....
Vermont	26.9	26.7	21.5	.....	.....	.....	.....
Virginia	180.0	178.0	73.0	.....	.....	.....	.....
Washington	7,320.0	6,900.0	5,570.0	290.0	.....	.....	.....
West Virginia	80.0	79.8	26.8	.....	.....	.....	.....
Wisconsin	41.0	39.5	31.8	.....	.....	.....	.....
Other States ³	-	-	106.5	197.5	.....	.....	.....
United States	11,377.5	10,928.3	7,680.2	1,214.5	339.2	137.5	1,421.9
2017							
California	225.0	220.0	(D)	.....	.....	.....	.....
Connecticut	29.5	29.3	25.9	.....	.....	.....	.....
Idaho	47.4	45.0	24.6	.....	.....	.....	.....
Illinois	22.4	21.4	(D)	.....	.....	.....	.....
Maine	43.5	41.8	30.5	.....	.....	.....	.....
Maryland	43.0	42.6	14.6	.....	.....	.....	.....
Massachusetts	39.0	37.9	24.6	.....	.....	.....	.....
Michigan	840.0	839.0	445.0	210.0	.....	.....	.....
Minnesota	23.0	21.5	19.5	.....	.....	.....	.....
New Jersey	42.0	40.0	30.0	.....	.....	.....	.....
New York	1,300.0	1,280.0	705.0	244.0	.....	.....	.....
North Carolina	100.0	98.0	50.0	.....	.....	.....	.....
Ohio	47.0	46.5	39.0	.....	.....	.....	.....
Oregon	175.2	175.0	148.0	.....	.....	.....	.....
Pennsylvania	528.0	526.0	236.0	220.0	.....	.....	.....
Vermont	25.0	24.9	19.7	.....	.....	.....	.....
Virginia	225.0	224.0	91.0	.....	.....	.....	.....
Washington	7,500.0	7,200.0	5,650.0	(D)	.....	.....	.....
West Virginia	102.0	101.0	36.0	.....	.....	.....	.....
Wisconsin	49.0	47.9	37.0	.....	.....	.....	.....
Other States ²	-	-	87.6	491.7	.....	.....	.....
United States	11,406.0	11,061.8	7,714.0	1,165.7	370.0	119.0	1,530.2

(D) Data withheld to avoid disclosing data for individual operations. ¹ Includes vinegar, wine, and slices for pie making.
² Includes data withheld above.
 NASS, Crops Branch, (202) 720-2127.

Table 5-8.—Fruits, fresh: United States exports by country of destination and imports by country of origin, 2015–2017

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Fresh fruits, deciduous:			
Mexico	462,645	356,780	428,149
Canada	361,653	359,147	348,371
India	110,867	62,319	105,801
Taiwan	101,430	99,491	95,164
Hong Kong	92,428	69,101	77,106
China	41,648	42,953	50,873
Indonesia	40,501	55,355	44,246
Korea, South	25,658	28,256	36,419
Vietnam	32,610	33,012	35,911
United Arab Emirates	68,147	30,315	35,059
Philippines	24,874	28,904	24,970
Saudi Arabia	30,471	20,063	22,984
Dominican Republic	22,080	23,896	22,705
Japan	13,151	21,226	21,232
Thailand	28,308	22,137	19,997
Australia(*)	16,400	19,539	18,769
Colombia	18,740	11,426	16,794
Guatemala	16,418	14,209	15,822
Malaysia	18,697	14,460	14,838
Costa Rica	17,190	12,925	12,106
Singapore	13,210	13,291	11,931
Honduras	10,665	8,973	10,741
El Salvador	13,042	10,413	10,384
Israel(*)	5,890	8,881	8,999
Rest of World	84,670	71,829	83,998
World Total	1,671,393	1,438,902	1,573,367
Fresh fruit, other:			
Canada	192,483	187,703	175,542
Mexico	27,390	23,301	29,356
Korea, South	11,522	7,215	11,579
Japan	9,033	12,350	10,666
Saudi Arabia	2,253	3,640	4,593
United Kingdom	4,309	6,151	4,411
Bermuda	3,788	3,834	3,972
Hong Kong	4,437	4,884	3,481
Belgium-Luxembourg(*)	1,455	3,115	2,792
United Arab Emirates	2,072	2,978	2,659
Netherlands	3,831	2,193	2,001
Costa Rica	4,012	1,791	2,001
Taiwan	2,620	2,068	1,843
Kuwait	144	1,832	1,636
Netherlands Antilles(*)	1,060	1,694	1,525
Bahamas, The	420	895	1,517
Australia(*)	1,477	1,407	1,245
Dominican Republic	1,299	1,240	1,111
Singapore	1,683	1,562	1,043
El Salvador	1,837	1,357	993
Colombia	1,944	1,009	808
Turks and Caicos Islands	303	600	794
Trinidad and Tobago	203	160	711
Honduras	949	1,079	579
Rest of World	9,178	9,385	7,258
World Total	289,700	283,442	274,112

See footnote(s) at end of table.

Table 5-8.—Fruits, fresh: United States exports by country of destination and imports by country of origin, 2015-2017—Continued

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Fresh melons:			
Canada	219,930	223,229	233,963
Mexico	12,345	16,912	27,474
Japan	6,386	9,036	5,561
Korea, South	1,946	2,752	4,038
Taiwan	1,649	2,553	2,795
Hong Kong	1,848	1,644	1,290
Kuwait	0	616	1,171
Bahamas, The	917	1,010	913
United Arab Emirates	97	352	203
Saudi Arabia	0	75	142
French Pacific Islands(*)	75	106	102
Netherlands Antilles(*)	176	261	94
Turks and Caicos Islands	35	93	87
Barbados	19	24	78
Panama	153	18	36
Cayman Islands	44	27	33
Leeward-Windward Islands(*)	8	11	21
Chile	0	11	21
Nigeria	0	0	17
Dominican Republic	11	0	17
Jamaica	1	5	11
Guatemala	165	0	9
Cuba	0	0	5
Bahrain	0	12	4
Rest of World	189	148	8
World Total	245,993	258,895	278,092

(*) Denotes a country that is a summarization of its component countries. All zeroes for a data item may show that statistics exist in the other import type. Consumption or General. Users should use cautious interpretation on Quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 5-9.—Apples: Foreign trade, United States, 2008–2017¹

Year beginning October	Imports, fresh and dried, in terms of fresh	Domestic exports	
		Fresh	Dried, in terms of fresh ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
2008	206,667	810,984	26,849
2009	225,717	748,054	22,127
2010	184,475	817,906	26,802
2011	219,305	856,819	28,492
2012	243,093	908,751	22,282
2013	243,875	848,671	23,741
2014	209,498	1,057,853	26,092
2015	233,563	746,893	27,894
2016	220,426	880,574	25,397
2017	181,523	997,082	18,652

¹ Dried converted to terms of fresh apples on following basis; 1 pound dried is equivalent to 8 pounds fresh. No re-exports reported.

ERS, Crops Branch, (202) 694–5255.

Table 5-10.—Apricots: Production and value, United States, 2008–2017

Year	Total production	Utilized production	Market year average price per ton	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	81,610	77,480	532.00	41,196
2009	68,720	68,690	654.00	44,912
2010	66,380	66,350	722.00	47,876
2011	66,650	66,620	616.00	41,056
2012	60,800	60,770	673.00	40,879
2013	61,035	61,028	737.00	44,987
2014	64,928	64,918	818.00	53,096
2015	45,657	45,507	1,010.00	45,889
2016	64,050	63,950	898.00	57,402
2017	45,650	45,500	979.00	44,556

NASS, Crops Branch, (202) 720–2127.

Table 5-11.—Apricots: Production and marketing year average price per ton, by State and United States, 2015–2017

State	Total production			Utilized production			Price for crop of—		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	38,500	56,000	37,000	38,500	55,950	36,900	1,020.00	875.00	945.00
Utah	7	(NA)	(NA)	7	(NA)	(NA)	(D)	(NA)	(NA)
Washington	7,150	8,050	8,650	7,000	8,000	8,600	(D)	1,060.00	1,130.00
Other States .....	.....	.....	.....	.....	.....	.....	930.00	(X)	(X)
United States	45,657	64,050	45,650	45,507	63,950	45,500	1,010.00	898.00	979.00

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable.
NASS, Crops Branch, (202) 720–2127.

Table 5-12.—Apricots: Production and utilization, United States, 2008–2017

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh	Processed ¹	
				Canned	Dried (fresh basis)
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
2008	81,610	77,480	25,760	22,000	14,000
2009	68,720	68,690	25,170	23,100	9,000
2010	66,380	66,350	23,510	20,100	10,000
2011	66,650	66,620	23,990	17,150	12,000
2012	60,800	60,770	23,130	16,500	9,500
2013	61,035	61,028	25,228	14,550	10,000
2014	64,928	64,918	25,812	17,550	9,500
2015	45,657	45,507	19,104	9,000	9,000
2016	64,050	63,950	28,500	13,350	11,000
2017	45,650	45,500	22,300	8,400	(D)

(D) Withheld to avoid disclosure of individual operations. ¹ California only. NASS, Crops Branch, (202) 720-2127.

Table 5-13.—Apricots: Production and utilization, by State and United States, crop of 2017

State	Total production	Utilized production	Utilization		
			Fresh	Processed ¹	
				Canned	Dried (fresh basis)
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
California	37,000	36,900	(D)	8,400	(D)
Washington	8,650	8,600	(D)	(D)	(D)
Other States ²			22,300	(D)	(D)
United States	45,650	45,500	22,300	8,400	(D)

(D) Withheld to avoid disclosure of individual operations. ¹ California only. ² Includes data withheld above. NASS, Crops Branch, (202) 720-2127.

Table 5-14.—Apricots: Foreign trade, United States, 2008–2017

Year beginning October	Domestic exports				
	Fresh	Canned ¹	Dried ¹	Dried, in fruit salad ²	Total, in terms of fresh ³
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
2008	5,047	1,289	602	355	9,064
2009	5,555	1,308	1,011	389	11,691
2010	5,646	1,389	708	470	10,283
2011	7,459	660	634	519	11,191
2012	7,774	646	533	547	10,978
2013	6,859	755	473	504	9,831
2014	5,402	621	370	409	7,749
2015	7,249	508	668	214	11,045
2016	7,781	718	894	163	12,893
2017	4,462	666	744	88	8,764

¹ Net processed weight. ² Dried apricots are 12 1/3 percent of total dried fruit for salad. ³ 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. ERS, Crops Branch, (202) 694-5255.

Table 5-15.—Avocados: Foreign trade, United States, 2008–2017

Year beginning October	Imports
	<i>Metric tons</i>
2008	413,936
2009	365,146
2010	385,434
2011	475,630
2012	565,127
2013	699,388
2014	832,841
2015	874,209
2016	877,047
2017	1,017,274

ERS, Crops Branch, (202) 694–5255.

Table 5-16.—Avocados: Total production, marketing year average price per ton, and value of utilized production, by State and United States, 2008/2009 to 2017/2018

Season	California			Florida		
	Production	Price per ton	Value	Production	Price per ton	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 1,000 dollars</i>
2008/09	88,000	2,280.00	200,640	27,450	480.00	13,176
2009/10	274,800	1,510.00	414,948	23,200	600.00	13,920
2010/11	151,500	3,040.00	460,560	22,500	800.00	18,000
2011/12	231,500	1,650.00	381,975	31,100	756.00	23,512
2012/13	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2013/14	149,000	2,240.00	333,760	33,800	796.00	26,905
2014/15	140,000	2,170.00	303,800	32,900	656.00	21,582
2015/16	201,000	2,050.00	412,050	27,600	745.00	20,562
2016/17	113,000	3,140.00	351,240	24,100	798.00	19,080
2017/18	129,000	3,000.00	383,370	16,900	477.00	8,014
Season	Hawaii			United States		
	Production	Price per ton	Value	Production	Price per ton	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008/09	500	1,460.00	730	115,950	1,850.00	214,546
2009/10	520	1,380.00	718	298,520	1,440.00	429,586
2010/11	330	1,540.00	508	174,330	2,750.00	479,068
2011/12	350	1,600.00	560	262,950	1,540.00	406,047
2012/13	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2013/14	320	2,000.00	640	183,120	1,970.00	361,305
2014/15	400	2,860.00	1,144	173,300	1,880.00	326,526
2015/16	410	2,320.00	835	229,010	1,890.00	433,447
2016/17	530	2,150.00	1,031	137,630	2,720.00	371,351
2017/18	410	2,080.00	789	146,310	2,700.00	392,153

(NA) Not available.
NASS, Crops Branch, (202) 720–2127.

Table 5-17.—Bananas: Bearing acreage, yield, utilized production, marketing year average price, and value, Hawaii, 2008–2017

Year	Bearing acreage	Yield per acre	Utilized Production	Price per pound	Value
	<i>Acre</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
2008	1,100	15.8	17,400	46.0	8,004
2009	1,100	16.8	18,500	55.0	10,175
2010	1,100	16.2	17,800	60.0	10,680
2011	1,000	17.4	17,400	65.0	11,310
2012	(NA)	(NA)	(NA)	(NA)	(NA)
2013	900	16.1	14,500	90.0	13,050
2014	860	14.0	12,000	82.0	9,840
2015	800	11.5	9,060	91.2	8,265
2016	700	8.0	5,550	101.0	5,592
2017	600	11.1	6,610	91.2	6,028

(NA) Not available.
NASS, Crops Branch, (202) 720-2127.

Table 5-18.—Kiwifruit: Area, yield, utilized production, marketing year average price, and value, California, 2008–2017

Year	Bearing acreage	Yield ¹	Utilized Production	Price per ton	Value
	<i>Acre</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	4,200	5.48	22,000	888	19,545
2009	4,200	6.10	24,900	847	21,084
2010	4,200	7.79	32,500	768	24,961
2011	4,000	9.43	36,700	775	28,439
2012	3,700	8.00	27,100	1,020	27,508
2013	3,900	7.08	26,900	1,110	29,812
2014	4,100	6.95	27,900	1,190	33,333
2015	3,900	5.36	20,900	1,470	30,723
2016	3,700	7.65	28,300	1,570	44,431
2017	4,400	7.64	33,600	1,050	34,860

¹ Yield based on total production.
NASS, Crops Branch, (202) 720-2127.

Table 5-19.—Cherries: Foreign trade, United States, 2008–2017

Year beginning October	Imports		Domestic exports	
	Fresh	Dried and preserved	Fresh	Canned
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
2008	19,410	5,390	64,590	12,678
2009	13,601	5,036	58,737	13,758
2010	23,126	5,076	71,542	13,544
2011	17,250	6,289	101,073	16,127
2012	10,362	6,350	66,937	14,491
2013	12,033	6,614	87,626	17,761
2014	16,096	10,517	74,707	19,035
2015	11,463	8,067	75,952	17,465
2016	12,422	8,098	111,623	16,420
2017	14,509	9,708	88,373	18,318

ERS, Crops Branch, (202) 694-5255.

Table 5-20.—Sweet cherries: Production and value, United States, 2008–2017

Year	Total production	Utilized production	Marketing year average price per ton ¹	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	248,060	240,720	2,390.00	574,043
2009	442,870	385,625	1,330.00	513,330
2010	313,220	307,630	2,330.00	715,684
2011	334,415	330,290	2,530.00	834,585
2012	424,000	418,415	2,020.00	843,313
2013	332,090	295,950	2,610.00	771,798
2014	363,640	358,910	2,140.00	766,551
2015	335,480	333,886	2,250.00	751,122
2016	350,240	343,090	2,250.00	773,021
2017	437,550	433,020	2,060.00	891,652

¹Fresh 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.
NASS, Crops Branch, (202) 720-2127.

Table 5-21.—Tart cherries: Production and value, United States, 2008–2017

Year	Total production	Utilized production	Marketing year average price per pound ¹	Value
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	214.4	213.2	0.377	80,344
2009	359.2	320.8	0.192	61,628
2010	190.4	183.2	0.222	40,741
2011	231.8	230.3	0.300	69,072
2012	85.2	85.0	0.594	50,520
2013	294.2	291.1	0.359	104,395
2014	304.2	300.6	0.355	106,810
2015	252.5	251.1	0.347	87,037
2016	329.3	318.7	0.274	87,335
2017	259.5	254.1	0.224	56,868

¹Fresh 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.
NASS, Crops Branch, (202) 720-2127.

Table 5-22.—Sweet cherries: Production and season average price, by State and United States, 2015–2017

State	Total production			Utilized production			Price ¹		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<i>Tons</i>	<i>Tons</i>	<i>Tons</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>
California	60,100	55,000	97,800	59,500	52,500	95,000	3,900.00	3,510.00	3,480.00
Idaho ²	1,810	(NA)	(NA)	1,810	(NA)	(NA)	2,010.00	(NA)	(NA)
Michigan	13,430	22,610	21,300	13,330	22,510	21,020	1,020.00	808.00	765.00
Montana ²	740	(NA)	(NA)	700	(NA)	(NA)	2,530.00	(NA)	(NA)
New York ²	770	(NA)	(NA)	720	(NA)	(NA)	4,070.00	(NA)	(NA)
Oregon	35,750	62,080	55,900	35,700	59,080	55,400	1,670.00	1,340.00	1,270.00
Utah ²	230	(NA)	(NA)	226	(NA)	(NA)	854.00	(NA)	(NA)
Washington	222,650	210,550	262,550	221,900	209,000	261,600	1,970.00	2,350.00	1,810.00
United States	335,480	350,240	437,550	333,886	343,090	433,020	2,250.00	2,250.00	2,060.00

(NA) Not available. ¹ 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. ² Estimates discontinued in 2016.
 NASS, Crops Branch, (202) 720–2127.

Table 5-23.—Tart cherries: Production and season average price, by State and United States, 2015–2017

State	Total production			Utilized production			Price ¹		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>Dollars per Lb.</i>	<i>Dollars per Lb.</i>	<i>Dollars per Lb.</i>
Michigan	158.0	227.0	189.2	157.4	224.7	188.0	0.340	0.239	0.211
New York	10.5	7.9	8.0	10.4	7.9	7.7	0.253	0.304	0.316
Oregon ²	1.5	(NA)	(NA)	1.5	(NA)	(NA)	0.354	(NA)	(NA)
Pennsylvania ²	7.5	(NA)	(NA)	7.3	(NA)	(NA)	0.385	(NA)	(NA)
Utah	40.7	52.8	26.0	40.3	49.6	25.0	0.336	0.353	0.304
Washington	25.0	28.0	25.0	25.0	23.0	24.0	0.440	0.415	0.210
Wisconsin	9.3	13.6	11.3	9.2	13.5	9.4	0.331	0.302	0.224
United States	252.5	329.3	259.5	251.1	318.7	254.1	0.347	0.274	0.224

(NA) Not available. ¹ 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. ² Estimates discontinued in 2016.
 NASS, Crops Branch, (202) 720–2127.

Table 5-24.—Sweet cherries: Production and utilization, by State and United States, crop of 2017¹

State	Total production	Utilized production	Utilization		
			Fresh ¹	Processed	
				Canned	Brined
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
California	97,800	95,000	86,600	.....	.....
Idaho	(NA)	(NA)	(NA)	.....	.....
Michigan	21,300	21,020	1,320	.....	(D)
Montana	(NA)	(NA)	(NA)	.....	.....
New York	(NA)	(NA)	(NA)	.....	.....
Oregon	55,900	55,400	38,000	.....	(D)
Utah	(NA)	(NA)	(NA)	.....	(D)
Washington	262,550	261,600	223,000	(D)	(D)
Other States ² .....	.....	.....	-	2,600	51,850
United States	437,550	433,020	348,920	2,600	51,850

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Includes "Home use." ² Includes data withheld above and/or data for States not listed in this table.
NASS, Crops Branch, (202) 720-2127.

Table 5-25.—Tart cherries: Production and utilization, by State and United States, crop of 2017¹

State	Total production	Utilized production	Utilization		
			Fresh ¹	Processed	
				Canned and otherwise processed ²	Frozen
<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	
Michigan	189.2	188.0	0.2	28.1	127.7
New York	8.0	7.7	(D)	.....	.....
Oregon	(NA)	(NA)	(D)	.....	.....
Pennsylvania	(NA)	(NA)	(D)	.....	.....
Utah	26.0	25.0	-	.....	.....
Washington	25.0	24.0	(D)	.....	.....
Wisconsin	11.3	9.4	0.1	-	69.4
Other States ² .....	.....	.....	0.5	.....	0.5
United States	259.5	254.1	0.8	28.1	240.6

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Includes "Home use." ² Includes data withheld above and/or data for States not listed in this table.
NASS, Crops Branch, (202) 720-2127.

Table 5-26.—Sweet cherries: Production and utilization, United States, 2008–2017

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh ¹	Processed	
				Other ²	Brined
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
2008	248,060	240,720	175,320	20,970	39,750
2009	442,870	385,625	296,750	29,053	51,571
2010	313,220	307,630	244,340	21,905	38,234
2011	334,415	330,290	258,920	25,495	39,625
2012	424,000	418,415	332,555	35,795	47,065
2013	332,090	295,950	217,950	28,535	44,945
2014	363,640	358,910	268,010	40,360	47,041
2015	335,480	333,886	250,806	.....	43,090
2016	350,240	343,090	257,860	.....	51,600
2017	437,550	433,020	348,920	.....	51,850

¹ Includes "Home use." ² Includes canned utilization and other processed utilizations from all States. NASS, Crops Branch, (202) 720-2127.

Table 5-27.—Tart cherries: Production and utilization, United States, 2008–2017

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh ¹	Processed	
				Other ²	Frozen
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2008	214.4	213.2	1.0	17.4	145.0
2009	359.2	320.8	1.3	35.3	232.0
2010	190.4	183.2	0.8	21.2	125.9
2011	231.8	230.3	0.5	37.3	154.1
2012	85.2	85.0	0.4	18.3	59.8
2013	294.2	291.1	1.2	92.4	158.4
2014	304.2	300.6	1.9	63.3	198.9
2015	252.5	251.1	1.2	.....	175.4
2016	329.3	318.7	0.6	.....	240.6
2017	259.5	254.1	0.8	.....	169.8

¹ Includes "Home use." ² Includes canned utilization and other processed utilizations from all states. NASS, Crops Branch, (202) 720-2127.

Table 5-28.—Citrus fruit: Utilized production and value, United States, for season of 2008/2009 to 2017/2018

Season ¹	Production	Marketing year average returns per box ²	Value	Quantities processed ³
Oranges ⁴				
	<i>1,000 boxes</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 boxes</i>
2008/2009	210,709	9.22	1,970,070	163,277
2009/2010	192,835	10.24	1,997,188	137,628
2010/2011	204,949	10.90	2,230,412	148,237
2011/2012	206,119	12.70	2,621,620	149,972
2012/2013	189,893	10.85	2,073,638	134,799
2013/2014	155,977	14.29	2,254,303	109,376
2014/2015	146,602	13.29	1,963,353	102,388
2015/2016	141,891	13.55	1,927,270	91,791
2016/2017	118,520	16.30	1,943,678	74,437
2017/2018	92,230	18.87	1,769,859	50,178
Grapefruit				
2008/2009	32,025	6.93	224,098	14,661
2009/2010	30,400	9.65	291,424	13,231
2010/2011	30,360	9.29	283,597	14,276
2011/2012	27,650	10.08	279,033	13,121
2012/2013	28,950	8.87	256,524	14,340
2013/2014	25,200	9.60	241,686	12,389
2014/2015	21,950	9.85	216,258	9,755
2015/2016	19,400	13.09	254,318	8,794
2016/2017	16,960	15.12	256,917	7,123
2017/2018	12,680	17.47	220,897	4,936
Lemons				
2008/2009	24,000	13.96	335,065	9,986
2009/2010	23,200	17.04	395,339	10,482
2010/2011	23,000	16.80	386,514	7,987
2011/2012	21,250	21.12	448,698	4,869
2012/2013	22,800	17.56	400,295	7,394
2013/2014	20,600	31.13	641,259	4,840
2014/2015	22,600	30.83	696,835	7,302
2015/2016	22,600	33.41	755,086	5,224
2016/2017	22,050	34.62	763,446	4,535
2017/2018	22,200	32.24	715,761	5,195
Tangerines and Mandarins ⁵				
2008/2009	10,800	18.44	207,202	2,221
2009/2010	14,700	18.30	274,519	3,204
2010/2011	15,550	20.87	330,503	3,260
2011/2012	15,290	22.34	349,167	3,029
2012/2013	16,440	25.60	426,101	2,785
2013/2014	17,750	31.05	557,357	2,869
2014/2015	21,135	22.13	468,083	5,614
2015/2016	23,115	21.23	490,217	7,657
2016/2017	25,420	22.35	568,084	8,366
2017/2018	19,950	28.89	576,571	4,664
Tangelos (FL) ⁶				
2008/2009	1,150	4.81	5,528	646
2009/2010	900	7.51	6,761	485
2010/2011	1,150	8.63	9,930	707
2011/2012	1,150	12.43	14,299	716
2012/2013	1,000	12.99	12,986	526
2013/2014	880	11.18	9,839	486
2014/2015	665	13.87	9,221	319
2015/2016	390	22.52	8,784	150
2016/2017	(NA)	(NA)	(NA)	(NA)
2017/2018	(NA)	(NA)	(NA)	(NA)

¹The crop year begins with the bloom of the first year shown and ends with completion of harvest the following year. ²Equivalent packing-house door returns. ³Includes 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. ⁴Includes small quantities of tangerines in Texas and Temples in Florida. ⁵Arizona and California tangelos and tangors included. ⁶Beginning in 2016/2017, tangelos are included in tangerines and mandarins for Florida.

NASS, Crops Branch, (202) 720-2127.

Table 5-29.—Citrus fruit: Utilized production and marketing year average returns per box, by State, 2016/2017 and 2017/2018¹

Crop and State	Utilized production		Market year average price ²	
	2016/2017	2017/2018	2016/2017	2017/2018
	<i>1,000 boxes³</i>	<i>1,000 boxes³</i>	<i>Dollars</i>	<i>Dollars</i>
Oranges				
Early, midseason, and Navel varieties: ⁴				
California	39,300	35,900	17.97	25.36
Florida	33,000	18,950	13.56	11.72
Texas	1,090	1,530	15.69	17.37
Total	73,390	56,380	15.83	20.20
Valencia:				
California	9,000	9,500	20.25	22.22
Florida	35,850	26,000	16.27	15.02
Texas	280	350	25.70	25.60
Total	45,130	35,850	17.05	16.87
All oranges:				
California	48,300	45,400	18.39	24.70
Florida	68,850	44,950	14.98	13.63
Texas	1,370	1,880	17.74	18.90
United States	118,520	92,230	16.30	18.87
Grapefruit				
California	4,400	4,000	19.01	19.72
Florida, all	7,760	3,880	14.30	19.83
Red ⁵	6,280	3,180	14.61	20.27
White	1,480	700	12.99	17.83
Texas	4,800	4,800	12.98	13.56
United States	9,837	7,744	15.12	17.47
Lemons				
Arizona	1,550	1,000	29.48	34.20
California	20,500	21,200	35.01	32.15
United States	22,050	22,200	34.62	32.24
Tangerines and Mandarins				
California ⁶	23,800	19,200	22.35	28.96
Florida	1,620	750	22.25	27.40
United States	25,420	19,950	22.35	28.89

¹The crop year begins with the bloom of the first year shown and ends with completion of harvest the following year. ²Equivalent packinghouse-door returns. ³Net lbs. per box: oranges—California, 80; Florida, 90; and Texas, 85; grapefruit—California, 80; Florida, 85; Texas, 80; lemons—80; tangelos, tangerines and mandarins—Arizona and California, 80; tangelos—Florida, 90. ⁴Includes small quantities of tangerines in Texas and Temples in Florida. ⁵Includes seedy grapefruit. ⁶Includes tangelos and tangors.
 NASS, Crops Branch, (202) 720-2127.

Table 5-30.—International Citrus: Area and production in specified countries, 2013/2014-2015/2016

Country	Area			Production		
	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016
	1,000 hectares	1,000 hectares	1,000 hectares	1,000 metric tons	1,000 metric tons	1,000 metric tons
Oranges, fresh:						
Argentina	40,000	40,000	40,000	800	1,000	1,000
Brazil	612,600	596,100	588,600	17,870	16,320	16,728
China .....	.....	.....	.....	7,600	6,900	7,000
Egypt	115,000	117,000	122,800	2,570	2,630	2,750
European Union	277,436	272,786	273,373	6,550	5,959	6,107
Mexico	321,683	323,000	320,000	4,533	4,158	3,534
Morocco	45,000	48,067	50,100	1,001	868	920
South Africa	38,100	37,900	37,000	1,715	1,700	1,690
Turkey	50,000	50,000	53,000	1,700	1,650	1,700
Vietnam .....	.....	.....	.....	520	520	520
Others	25,070	24,770	24,800	1,137	1,153	1,197
Total Foreign	1,524,889	1,509,623	1,509,673	45,996	42,858	43,146
United States .....	.....	.....	.....	6,140	5,786	4,758
Total	1,524,889	1,509,623	1,509,673	52,136	48,644	47,904
Tangerines/Mandarines:						
Argentina	30,000	30,000	30,000	370	450	450
China .....	.....	.....	.....	17,850	19,400	20,000
European Union	148,818	153,719	152,440	3,231	3,483	2,917
Israel	6,900	7,300	7,600	139	205	240
Japan	60,600	58,400	57,600	1,124	1,070	1,115
Korea, South	19,342	19,322	19,309	672	697	640
Morocco	42,000	47,140	50,100	1,160	1,005	1,055
South Africa	6,300	6,600	6,600	195	200	205
Thailand .....	.....	.....	.....	375	375	375
Turkey	27,450	27,450	37,795	880	960	1,040
Others .....	.....	.....	.....	20	20	20
Total Foreign	341,410	349,931	361,444	26,016	27,865	28,057
United States .....	.....	.....	.....	700	793	839
Total	341,410	349,931	361,444	26,716	28,658	28,896
Lemons/Limes:						
Argentina	41,000	41,000	41,000	780	1,300	1,450
European Union	66,133	65,906	66,012	1,308	1,599	1,286
Israel	1,870	1,800	1,800	64	65	60
Japan	498	500	500	10	10	10
Mexico	154,803	155,000	156,000	2,187	2,260	2,270
Morocco	3,000	2,800	2,920	43	30	35
South Africa	5,313	5,400	5,600	312	330	330
Turkey	22,900	22,900	24,000	760	725	668
Others .....	.....	.....	.....	.....	.....	.....
Total Foreign	295,517	295,306	297,832	5,464	6,319	6,109
United States .....	.....	.....	.....	748	816	784
Total	295,517	295,306	297,832	6,212	7,135	6,893
Grapefruit:						
China .....	.....	.....	.....	3,717	3,900	4,300
European Union	3,288	2,416	2,494	92	109	95
Israel	3,750	3,050	3,070	236	186	185
Mexico	16,201	16,600	16,700	424	430	432
South Africa	7,943	8,000	8,100	413	400	405
Turkey	5,000	5,000	5,300	235	238	200
Others .....	.....	.....	.....	.....	.....	.....
Total Foreign	36,182	35,066	35,664	5,117	5,263	5,617
United States .....	.....	.....	.....	950	789	736
World Total	36,182	35,066	35,664	6,067	6,052	6,353

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-31.—Fresh fruits, citrus: United States exports by country of destination, 2015–2017

Country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Korea, South	158,307	204,105	223,418
Canada	208,284	234,179	184,373
Japan	154,476	163,312	125,813
Hong Kong	79,268	117,897	95,890
China	34,587	53,091	47,243
Mexico	27,141	30,314	21,637
Taiwan	12,209	24,602	19,621
Australia(*)	33,091	22,316	18,500
Singapore	14,112	16,112	11,336
France(*)	15,491	12,381	10,566
Malaysia	16,807	17,896	10,183
New Zealand(*)	10,591	10,012	9,976
Netherlands	16,087	10,512	7,858
Chile	2,567	3,943	6,892
Philippines	9,560	10,242	5,737
Belgium-Luxembourg(*)	4,006	2,837	2,895
Peru	2,853	3,142	2,735
Indonesia	4,122	2,462	2,593
Thailand	2,319	1,300	1,729
Bahamas, The	1,494	1,481	1,516
Ecuador	1,559	1,506	1,311
United Kingdom	2,810	2,551	1,159
Germany(*)	1,536	1,397	1,067
Guatemala	692	902	838
Rest of World	9,720	11,420	6,216
World Total	823,687	959,910	821,101

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
 FAS, Office of Global Analysis,(202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 5-32.—Fresh citrus fruits: Foreign trade, United States, 2008–2017

Year ¹	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>
2008	90,546	495,662	11,697	246,865	37,565	91,459	358,289	2,364	8,027	17,496
2009	101,180	665,157	11,370	245,696	40,848	91,445	362,317	2,317	7,748	18,195
2010	92,159	752,613	7,103	225,836	56,278	97,275	352,956	2,550	6,101	30,419
2011	131,519	694,530	2,869	207,537	50,939	92,081	423,350	3,434	4,202	22,786
2012	130,812	679,660	11,862	182,725	38,152	104,031	438,830	4,389	3,614	23,529
2013	156,261	507,665	13,777	146,673	56,996	122,420	438,273	4,569	2,573	17,628
2014	152,211	523,345	9,291	140,729	85,519	109,663	499,221	3,954	4,565	18,713
2015	166,074	655,187	21,931	123,458	83,851	107,338	542,152	4,433	7,882	12,837
2016	172,261	614,050	26,845	108,020	110,252	106,827	602,749	4,846	2,250	12,916
2017	219,044	510,475	10,216	57,580	110,828	88,537	605,411	5,333	3,550	11,765

¹ Year beginning October for all commodities.
ERS, Crops Branch, (202) 694–5255.

Table 5-33.—Concentrated citrus juices: Annual packs, Florida, 2008–2017

Season beginning December	Frozen concentrated juice ¹			
	Orange ²	Grapefruit ²	Tangerine	
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	
2008		120,800	10,731	466
2009		82,260	7,904	740
2010		82,106	9,297	1,374
2011		106,432	9,059	1,083
2012		76,132	7,437	928
2013		35,655	5,745	825
2014		28,878	4,504	1,046
2015		22,269	3,275	276
2016		17,916	2,187	
2017		9,923	600	

¹ Net pack. ² Frozen orange juice reported in 42.0° Brix; Grapefruit 40.0° Brix. Includes concentrated juice for manufacture.
ERS, Crops Branch, (202) 694–5255.

Table 5-34.—Dates: Area, yield, total production, marketing year average price per ton, and value, California, 2008–2017

Year	Bearing acreage	Yield per acre	Production	Price per ton	Value
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	5,700	3.67	20,900	1,260	26,334
2009	6,700	3.54	23,700	1,180	27,966
2010	7,700	3.77	29,000	1,270	36,830
2011	8,400	3.96	33,300	1,320	43,956
2012	8,800	3.53	31,100	1,340	41,674
2013	8,200	3.72	30,500	1,220	37,210
2014	10,000	3.34	33,400	1,510	50,434
2015	10,200	3.82	39,000	1,560	60,840
2016	12,300	3.04	37,340	2,020	75,156
2017	13,400	3.23	16,300	3,510	150,959

NASS, Crops Branch, (202) 720-2127.

Table 5-35.—Dates: Foreign trade, United States, 2008–2017

Year beginning October	Imports
	<i>Metric tons</i>
2008	13,079
2009	12,094
2010	20,113
2011	22,875
2012	23,945
2013	28,974
2014	32,189
2015	27,939
2016	21,900
2017	35,824

ERS, Crops Branch, (202) 694-5255.

Table 5-36.—Cranberries: Area, yield, production, season average price per barrel, value and quantities processed, United States, 2008–2017 ¹

Year	Area harvested	Yield per acre ²	Total production ³	Utilized production	Price ⁴	Value	Quantities processed ⁵
	<i>Acres</i>	<i>Barrels ⁶</i>	<i>Barrels ⁶</i>	<i>Barrels ⁶</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Barrels ⁶</i>
2008	38,200	205.9	7,865,000	7,865,000	58.10	457,192	7,494,000
2009	38,500	179.6	6,913,000	6,913,000	44.20	305,669	6,580,000
2010	38,500	176.8	6,808,200	6,808,200	43.90	299,123	6,589,000
2011	38,500	200.4	7,713,700	7,713,700	44.80	345,561	7,473,200
2012	40,300	199.6	8,045,000	8,045,000	47.90	385,506	7,791,000
2013	42,000	211.4	8,957,400	8,880,700	32.40	287,322	8,559,300
2014	40,600	206.9	8,400,000	8,236,000	30.90	254,412	7,968,000
2015	40,900	206.7	8,563,000	8,455,000	31.00	261,853	8,004,800
2016	41,500	230.0	9,627,400	9,544,000	30.60	292,292	9,083,900
2017	39,700	209.6	8,371,950	8,321,150	30.20	251,285	7,988,450

¹ Estimates relate to Massachusetts, New Jersey, Oregon, Washington, and Wisconsin. ² Derived from utilized production. ³ 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. ⁴ Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production. ⁵ Mainly for canning. ⁶ Barrels of 100 pounds.

NASS, Crops Branch, (202) 720-2127.

Table 5-37.—Cranberries: Area, yield, production, and season average price per barrel, by State and United States, 2015–2017

State	Area harvested			Yield per acre ¹		
	2015	2016	2017	2015	2016	2017
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Bbl.²</i>	<i>Bbl.²</i>	<i>Bbl.²</i>
Massachusetts	13,200	12,900	12,300	177.3	174.3	154.0
New Jersey	3,000	3,100	2,500	189.7	208.4	180.0
Oregon	2,900	2,800	2,800	191.4	140.7	173.0
Washington	1,600	1,600	1,500	123.8	109.4	98.4
Wisconsin	20,200	21,100	20,600	237.3	288.2	259.5
United States	40,900	41,500	39,700	206.7	230.0	209.6
State	Total production			Price per barrel ²		
	2015	2016	2017	2015	2016	2017
	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Massachusetts	2,352,000	2,268,000	1,911,400	32.80	30.70	31.50
New Jersey	595,000	653,000	451,200	37.70	43.10	36.60
Oregon	562,000	401,000	489,700	26.50	26.50	26.40
Washington	198,000	175,400	147,650	44.20	44.20	42.50
Wisconsin	4,856,000	6,130,000	5,372,000	29.20	29.20	29.20
United States	8,563,000	9,627,400	8,371,950	31.00	30.60	30.20

¹Yield based upon utilized production. ²Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production. ³Barrels of 100 pounds.
NASS, Crops Branch, (202) 720-2127.

Table 5-38.—Figs: Total production, marketing year average price per ton, and value, California, 2008–2017

Year	Dried				Total		
	Production (dry basis)			Price per ton	Production	Price per ton	Value
	Total	Standard	Substandard				
	<i>Tons</i>	<i>1,000 tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	13,100	11,800	1,300	1,200	43,300	599	25,954
2009	13,300	12,000	1,300	1,540	43,750	695	30,422
2010	12,320	10,900	1,420	1,220	40,910	542	22,185
2011	11,560	10,140	1,420	1,230	38,660	526	20,336
2012	10,400	9,600	800	1,350	35,200	555	19,520
2013	9,300	8,600	700	1,500	33,000	610	20,143
2014	9,470	8,840	630	1,640	33,400	719	23,998
2015	8,940	8,320	620	1,760	31,700	799	25,333
2016	9,260	8,720	540	1,870	32,700	911	29,779
2017	9,100	8,570	530	1,490	31,200	916	28,568

NASS, Crops Branch, (202) 720-2127.

Table 5-39.—Figs, dried: Foreign trade, United States, 2008–2017

Year beginning October	Imports for consumption		Domestic exports	
	<i>Metric tons</i>		<i>Metric tons</i>	
2008			6,042	5,019
2009			4,035	5,795
2010			4,042	5,065
2011			4,236	5,449
2012			5,816	4,895
2013			10,294	4,537
2014			7,137	4,670
2015			11,821	3,964
2016			9,983	4,295
2017			12,452	3,336

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Table 5-40.—Grapes: Production, price, and value, United States, 2008–2017

Year	Grapes			
	Production (fresh basis)		Market year average price per ton ¹	Value
	Total	Utilized		
<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	
2008	7,279,360	7,265,650	497.00	3,613,420
2009	7,267,890	7,240,310	566.00	4,101,600
2010	7,432,120	7,429,490	542.00	4,023,967
2011	7,408,740	7,401,370	576.00	4,262,945
2012	7,530,883	7,524,443	753.00	5,662,249
2013	8,631,790	8,620,810	712.00	6,135,301
2014	7,883,830	7,871,580	740.00	5,822,250
2015	7,621,150	7,621,080	776.00	5,914,468
2016	7,697,030	7,694,900	818.00	6,294,150
2017	7,363,260	7,362,570	877.00	6,460,265

¹Fresh 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.
NASS, Crops Branch, (202) 720-2127.

Table 5-41.—Grapes: Production and marketing year average price per ton, by State and United States, 2015–2017

State	Total production			Utilized production		
	2015	2016	2017	2015	2016	2017
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
Arkansas	1,500	(NA)	(NA)	1,500	(NA)	(NA)
California	6,792,000	6,752,000	6,482,000	6,792,000	6,752,000	6,482,000
Raisin ¹	1,952,000	1,570,000	1,268,000	1,952,000	1,570,000	1,268,000
Table ¹	1,135,000	1,150,000	1,200,000	1,135,000	1,150,000	1,200,000
Wine	3,705,000	4,032,000	4,014,000	3,705,000	4,032,000	4,014,000
Georgia	5,000	(NA)	(NA)	4,950	(NA)	(NA)
Michigan	80,600	93,400	63,600	80,600	93,400	63,500
Missouri	5,650	5,330	6,130	5,650	5,330	6,100
New York	145,000	171,000	187,000	145,000	171,000	187,000
North Carolina	7,300	4,900	7,210	7,300	4,900	7,200
Ohio	3,500	5,500	4,640	3,480	5,470	4,600
Oregon	72,000	67,000	77,000	72,000	67,000	77,000
Pennsylvania	77,000	85,800	91,700	77,000	83,800	91,300
Texas	11,400	13,600	16,170	11,400	13,500	16,070
Virginia	9,200	8,500	8,810	9,200	8,500	8,800
Washington	411,000	490,000	419,000	411,000	490,000	419,000
Juice	189,000	220,000	190,000	189,000	220,000	190,000
Wine	222,000	270,000	229,000	222,000	270,000	229,000
United States	7,621,150	7,697,030	7,363,260	7,621,080	7,694,900	7,362,570

State	Price per ton ²		
	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Arkansas		762.00	(NA)
California		782.00	832.00
Raisin ¹		349.00	277.00
Table ¹		1,530.00	1,340.00
Wine		781.00	905.00
Georgia		1,510.00	(NA)
Michigan		319.00	312.00
Missouri		880.00	934.00
New York		393.00	373.00
North Carolina		762.00	895.00
Ohio		410.00	554.00
Oregon		2,100.00	2,140.00
Pennsylvania		320.00	324.00
Texas		1,600.00	1,530.00
Virginia		1,950.00	1,980.00
Washington		703.00	735.00
Juice		183.00	213.00
Wine		1,150.00	1,160.00
United States		776.00	818.00

(NA) Not available. ¹Fresh equivalent of dried and not dried. ²Fresh 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.
NASS, Crops Branch, (202) 720-2127.

Table 5-42.—Grapes: Production and utilization, United States, 2008–2017

Crop of—	Total production ¹	Utilized production	Utilization of quantities sold				
			Fresh	Processed			
				Canned	Dried (fresh basis)	Crushed for wine	Crushed for juice, etc. ²
Tons	Tons	Tons	Tons	Tons	Tons	Tons	
2008	7,279,360	7,265,650	945,030	25,000	1,873,000	3,943,490	479,130
2009	7,267,890	7,240,310	898,940	20,000	1,510,000	4,373,070	438,300
2010	7,432,120	7,429,490	953,290	25,000	1,777,000	4,270,300	403,900
2011	7,408,740	7,401,370	944,740	25,000	1,807,000	4,154,530	470,100
2012	7,530,883	7,524,443	963,483	20,000	1,488,000	4,706,470	346,490
2013	8,631,790	8,620,810	1,116,940	22,000	1,909,000	5,067,610	504,160
2014	7,883,830	7,871,580	1,053,040	21,000	1,721,000	4,526,020	549,920
2015	7,621,150	7,621,080	1,043,970	22,000	1,864,000	4,254,330	435,780
2016	7,697,030	7,694,900	1,039,950	19,000	1,478,000	4,667,830	488,420
2017	7,363,260	7,362,570	1,030,420	16,000	1,198,000	4,665,250	451,900

¹Total production includes utilized production plus production not harvested and harvested not sold. ²Mostly juice, but includes some quantities used for jam, jelly, etc.
NASS, Crops Branch, (202) 720–2127.

Table 5-43.—Grapes: Production and utilization, by State and United States, crop of 2017

State	Total production	Utilized production	Utilization				
			Fresh	Processed			
				Canned	Dried (fresh basis)	Crushed for—	
Tons	Tons	Tons	Tons	Tons	Tons	Tons	
Arkansas	(NA)	(NA)	(NA)	-	-	-	-
California	6,482,000	6,482,000	1,027,000	16,000	1,198,000	4,241,000	-
Raisin	1,268,000	1,268,000	16,000	16,000	1,141,000	95,000	-
Table	1,200,000	1,200,000	1,011,000	-	57,000	132,000	-
Wine	4,014,000	4,014,000	-	-	-	4,014,000	-
Georgia	(NA)	(NA)	(NA)	-	-	-	-
Michigan	63,600	63,500	-	-	-	7,900	54,600
Missouri	6,130	6,100	-	-	-	6,100	-
New York	187,000	187,000	2,000	-	-	57,000	128,000
North Carolina	7,210	7,200	500	-	-	6,700	-
Ohio	4,640	4,600	100	-	-	2,500	2,000
Oregon ¹	77,000	77,000	-	-	-	77,000	-
Pennsylvania	91,700	91,300	500	-	-	13,500	77,300
Texas	16,170	16,070	320	-	-	15,750	-
Virginia	8,810	8,800	-	-	-	8,800	-
Washington	419,000	419,000	-	-	-	229,000	190,000
Juice	190,000	190,000	-	-	-	-	-
Wine	229,000	229,000	-	-	1,198,000	-	-
United States	7,363,260	7,362,570	1,030,420	16,000	1,444,000	4,665,250	486,420

- Represents zero. (NA) Not available. ¹Wine includes small quantities for other uses.
NASS, Crops Branch, (202) 720–2127.

Table 5-44.—Grapes and raisins: Foreign trade, United States, 2008–2017

Year beginning October	Grapes		Raisins ¹	
	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>
2008	600,908	341,205	21,467	160,451
2009	602,273	284,092	24,289	173,049
2010	557,397	334,609	18,813	154,541
2011	557,310	378,504	19,336	142,997
2012	566,038	366,088	17,102	131,980
2013	500,977	421,560	14,904	174,024
2014	554,674	366,143	20,588	132,274
2015	532,383	329,973	25,421	124,775
2016	625,371	330,195	14,753	136,454
2017	580,156	334,085	46,414	104,591

¹ Raisins converted to sweatbox or production basis by multiplying by 1.08.
ERS, Crops Branch, (202) 694-5255.

Table 5-45.—Guavas: Area harvested, yield, utilized production, marketing year average price, and value, Hawaii, 2006–2015

Year	Area harvested	Yield per acre	Utilized 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>
2006	365	20.3	7,400	14.2	1,051
2007	170	25.3	4,300	15.7	675
2008	160	21.9	3,500	15.8	553
2009	135	15.6	2,100	14.0	294
2010	115	11.3	1,300	16.9	220
2011	110	17.3	1,900	17.0	323
2012	(NA)	(NA)	(NA)	(NA)	(NA)
2013	100	22.0	2,200	17.0	374
2014	100	17.0	1,700	18.0	306
2015 ¹	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available. ¹ Estimates discontinued in 2015.
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Table 5-46.—Nectarines: Total Production, utilization, and value, United States, 2008–2017

Crop of—	Total Production	Utilization		Marketing year average price per ton	Value
		Fresh	Processed (fresh basis)		
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	302,500	302,500	(¹)	367.00	110,915
2009	219,800	219,800	(¹)	631.00	138,611
2010	233,200	233,200	(¹)	553.00	129,075
2011	225,200	225,200	(¹)	582.00	130,973
2012	188,900	188,900	(¹)	767.00	144,906
2013	162,100	148,300	13,800	772.00	125,113
2014	205,300	196,000	9,300	869.00	178,421
2015	175,500	166,600	6,600	913.00	158,101
2016	167,950	162,200	5,600	885.00	148,465
2017	157,850	151,200	5,600	915.00	143,007

¹ Small quantities of processed nectarines are included in fresh to avoid disclosure of individual operations.
NASS, Crops Branch, (202) 720-2127.

Table 5-47.—Olives: Total production, marketing year average price, value, and processed utilization, California, 2008–2017

Year	Total Production	Marketing year average price per ton	Value	Processed utilization			
				Crushed for oil	Canned	Limited	Undersized
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
2008	66,800	697	46,587	14,000	45,500	6,000	1,300
2009	46,300	696	32,209	20,000	24,500	1,500	300
2010	206,000	664	136,796	36,000	125,000	37,000	8,000
2011	71,200	733	52,168	42,000	26,500	2,200	500
2012	160,000	813	130,038	74,000	78,500	6,400	1,100
2013	166,000	813	134,881	75,000	78,800	10,500	1,700
2014	95,000	774	73,559	57,700	30,500	5,900	900
2015	179,000	894	160,043	101,000	60,000	14,600	3,400
2016	164,900	860	141,761	97,700	54,000	11,100	2,000
2017	192,300	974	186,649	101,000	70,000	17,300	3,400

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Table 5-48.—Olives and olive oil: Foreign trade, United States, 2008–2017

Year beginning October	Imports			
	Olives		Olive oil	
	In brine	Dried	Edible	Inedible
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
2008	109,230	289	275,611	594
2009	137,533	184	268,069	114
2010	117,915	206	290,226	258
2011	118,614	145	314,937	788
2012	119,035	131	296,029	379
2013	118,734	202	311,142	351
2014	119,442	130	310,110	163
2015	127,291	48	330,324	153
2016	122,094	47	315,577	156
2017	122,201	75	321,437	215

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Table 5-49.—Peaches: Production and value, United States, 2008–2017

Year	Total production	Utilized production	Marketing year average price ¹	Value
	1,000 tons	1,000 tons	Dollars per ton	1,000 dollars
2008	1,135.0	1,113.2	490	545,499
2009	1,103.5	1,082.4	548	593,387
2010	1,149.4	1,129.8	547	617,459
2011	1,071.3	1,042.3	563	587,228
2012	968.1	955.9	647	618,369
2013	903.9	888.7	617	547,978
2014	852.9	838.0	751	629,524
2015	847.2	825.4	734	605,794
2016	795.6	778.9	807	628,672
2017	696.6	690.1	868	599,330

¹Fresh 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.
 NASS, Crops Branch, (202) 720–2127.

Table 5-50.—Peaches: Production and utilization, United States, 2008–2017

Crop of—	Total production ¹	Utilized production	Utilization of quantities sold				
			Fresh ²	Processed (fresh basis)			
				Canned	Dried	Frozen	Other ³
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
2008	1,135.0	1,113.2	529.8	426.3	9.5	111.4	36.5
2009	1,103.5	1,082.4	502.9	463.7	7.1	92.0	16.9
2010	1,149.4	1,129.8	566.4	428.5	12.7	104.4	17.8
2011	1,071.3	1,042.3	531.1	387.2	4.6	100.6	18.9
2012	968.1	955.9	480.8	364.6	9.8	90.2	10.5
2013	903.9	888.7	397.0	369.8	4.2	103.7	14.0
2014	852.9	838.0	393.3	330.2	4.7	95.3	14.5
2015	847.2	825.4	357.7	339.5	6.9	108.4	.....
2016	795.6	778.9	337.0	322.3	.....	100.3	.....
2017	696.6	690.1	310.5	301.5	.....	62.5	.....

¹Includes harvested not sold and unharvested production for California Clingstone peaches. ²Includes "Home use." ³Used for jams, preserves, pickles, wine, brandy, baby food, etc. Includes small quantities frozen for some years.
 NASS, Crops Branch, (202) 720–2127.

Table 5-51.—Peaches: Foreign trade, United States, 2008–2017

Year beginning October	Domestic exports				
	Fresh	Canned	Canned, in fruit salad ¹	Dried, in fruit salad ^{2,3}	Total, in terms of fresh ⁴
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
2008	98,911	20,235	9,549	604	132,050
2009	103,038	16,914	11,701	662	135,329
2010	103,523	25,636	15,568	801	149,175
2011	95,798	28,295	17,605	884	146,609
2012	102,140	25,526	21,811	931	154,648
2013	80,241	20,847	20,144	859	126,004
2014	84,680	18,007	20,098	696	126,653
2015	77,769	10,689	18,698	364	109,179
2016	54,842	7,378	19,501	278	83,264
2017	63,998	9,450	20,395	150	94,676

¹Canned peaches are 40 percent of total canned fruit for salad. ²Net processed weight. ³Dried peaches are 21 percent of total dried fruit for salad. ⁴Dried 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.
 ERS, Crops Branch, (202) 694–5255.

Table 5-52.—Peaches: Production and season average price, by State and United States, 2015–2017

State	Total production			Utilized production			Price per ton ¹		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
Alabama	5,550	3,300	1,500	5,520	3,270	1,500	1,120.00	1,390.00	2,750.00
Arkansas ²	1,100	(NA)	(NA)	1,070	(NA)	(NA)	1,840.00	(NA)	(NA)
California	607,600	569,000	541,000	604,600	569,000	538,000	562.00	616.00	691.00
Freestone ...	267,000	322,000	297,000	264,000	322,000	296,000	680.00	518.00	474.00
Clingstone ...	340,600	247,000	244,000	340,600	247,000	242,000	470.00	743.00	956.00
Colorado	11,200	13,730	10,750	10,570	13,260	10,160	2,250.00	2,040.00	2,070.00
Connecticut ² ...	1,365	(NA)	(NA)	1,360	(NA)	(NA)	2,080.00	(NA)	(NA)
Georgia	40,600	43,300	10,000	33,700	39,500	9,600	1,040.00	1,070.00	1,820.00
Idaho	6,830	7,770	5,220	6,630	7,720	5,120	943.00	900.00	1,290.00
Illinois	3,340	5,940	7,240	3,020	5,890	7,090	1,470.00	2,570.00	1,460.00
Maryland	3,860	2,250	2,690	3,800	2,130	2,630	1,030.00	1,250.00	1,270.00
Massachusetts ² ..	1,485	(NA)	(NA)	1,455	(NA)	(NA)	2,330.00	(NA)	(NA)
Michigan	7,180	10,600	9,100	7,080	10,500	9,000	834.00	877.00	1,130.00
Missouri	2,480	3,050	2,880	2,250	3,020	2,880	1,370.00	1,740.00	2,340.00
New Jersey	21,170	19,980	28,200	21,100	19,910	28,190	1,310.00	1,430.00	1,560.00
New York	6,990	2,750	6,400	6,900	2,740	6,310	1,250.00	1,420.00	1,810.00
North Carolina	5,400	3,600	2,600	5,290	3,600	2,600	1,320.00	1,290.00	1,540.00
Ohio	1,200	1,570	4,200	1,180	1,530	4,150	1,520.00	1,750.00	1,720.00
Pennsylvania ...	18,190	16,000	21,400	18,100	15,800	21,000	1,170.00	1,210.00	1,180.00
South Carolina	68,900	63,300	11,000	59,700	52,800	10,400	1,070.00	1,290.00	1,700.00
Texas	5,100	4,400	2,700	4,700	4,200	2,500	1,800.00	2,200.00	2,500.00
Utah	3,900	5,160	3,400	3,880	4,250	3,370	1,080.00	1,640.00	1,460.00
Virginia	5,120	3,900	7,000	5,100	3,900	6,300	1,340.00	1,340.00	1,470.00
Washington	12,850	12,530	12,770	12,750	12,400	12,700	1,070.00	1,090.00	963.00
West Virginia ...	5,800	3,500	6,600	5,660	3,500	6,600	1,070.00	1,090.00	940.00
United States ...	847,210	795,630	696,650	825,415	778,920	690,100	734.00	807.00	868.00

(NA) Not available. ¹Fresh fruit prices are equivalent packing house-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. ²Estimates discontinued in 2016.

NASS, Crops Branch, (202) 720-2127.

Table 5-53.—Peaches: Production and utilization, by State and United States, crop of 2017 ¹

State	Total production	Utilized production ¹	Utilization	
			Fresh ²	Processed (fresh basis)
			Tons	Tons
Alabama	1,500	1,500	1,500	-
Arkansas ³	(NA)	(NA)	(NA)	(NA)
California	541,000	538,000	173,000	365,000
Freestone	297,000	296,000	-	296,000
Clingstone	244,000	242,000	173,000	69,000
Colorado	10,750	10,160	(D)	(D)
Connecticut ³	(NA)	(NA)	(NA)	(NA)
Georgia	10,000	9,600	(D)	(D)
Idaho	5,220	5,120	(D)	(D)
Illinois	7,240	7,090	(D)	(D)
Maryland	2,690	2,630	(D)	(D)
Massachusetts ³	(NA)	(NA)	(NA)	(NA)
Michigan	9,100	9,000	(D)	(D)
Missouri	2,880	2,880	(D)	(D)
New Jersey	28,200	28,190	(D)	(D)
New York	6,400	6,310	(D)	(D)
North Carolina	2,600	2,600	2,600	-
Ohio	4,200	4,150	4,150	-
Pennsylvania	21,400	21,000	(D)	(D)
South Carolina	11,000	10,400	(D)	(D)
Texas	2,700	2,500	2,500	-
Utah	3,400	3,370	(D)	(D)
Virginia	7,000	6,300	(D)	(D)
Washington	12,770	12,700	(D)	(D)
West Virginia	6,600	6,600	6,600	-
Other States .....	.....	.....	120,130	14,620
United States	696,650	778,920	310,480	379,620

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹Difference between total and utilized production is harvested not sold and unharvested production. ³Includes "Home use." ²Estimates discontinued in 2016.

NASS, Crops Branch, (202) 720-2127.

Table 5-54.—Fruit: Exports, 2015–2017

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Fruit, processed:			
Canada	84,385	81,103	77,091
China	34,966	20,049	43,136
Netherlands	41,017	35,738	33,123
Mexico	25,196	20,047	26,441
Korea, South	9,961	7,398	7,923
Japan	7,812	7,271	6,174
Australia(*)	7,029	5,579	4,972
United Kingdom	4,447	3,376	4,538
Taiwan	5,075	3,790	4,098
Israel(*)	2,823	4,479	3,888
Belgium-Luxembourg(*)	518	3,149	3,749
Poland	3,584	2,766	3,573
Thailand	3,725	3,035	3,040
India	2,044	2,158	2,629
Hong Kong	2,172	2,191	2,378
Turkey	706	1,826	2,247
Malaysia	2,232	1,929	2,100
Singapore	1,767	1,323	1,964
France(*)	419	415	1,825
Vietnam	439	1,066	1,814
Indonesia	1,492	1,585	1,662
Russia	728	1,186	1,661
New Zealand(*)	1,874	1,920	1,415
Philippines	1,404	1,283	1,383
Rest of World	17,967	15,909	13,708
World Total	263,782	230,570	256,530
Fruit, prepared, misc:			
Canada	81,674	76,898	77,094
Mexico	10,568	8,079	10,638
Hong Kong	1,593	3,784	6,258
China	4,692	7,497	5,805
Korea, South	9,607	9,018	2,916
Japan	4,901	3,347	2,634
Australia(*)	4,897	5,958	1,537
France(*)	451	540	1,415
Italy(*)	765	2,730	1,367
Saudi Arabia	5,916	5,999	1,248
Panama	647	981	1,081
United Kingdom	832	748	963
Philippines	1,200	1,056	939
United Arab Emirates	1,499	923	794
Bahamas, The	352	471	779
Thailand	1,281	1,230	671
Costa Rica	516	548	660
Taiwan	947	1,230	639
Chile	516	793	625
Malaysia	724	880	605
Singapore	1,041	795	601
Dominican Republic	670	863	555
Switzerland(*)	59	420	468
Leeward-Windward Islands(*)	430	206	426
Rest of World	17,849	13,409	5,892
World Total	153,624	148,400	126,610

(*) Denotes a country that is a summarization of its component countries. All zeroes for a data item may show that statistics exist in the other import type. Consumption or General. Users should use cautious interpretation on Quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics.

Table 5-55.—Pears: Foreign trade, United States, 2008–2017

Year beginning October	Imports for consumption, fresh	Domestic exports				
		Fresh ¹	Canned	Dried, in fruit salad ^{1,2}	Canned, in fruit salad ³	Total, in terms of fresh fruit ⁴
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
2008	82,097	146,252	7,378	479	8,356	165,011
2009	62,808	159,677	7,112	525	10,238	180,342
2010	77,992	154,025	7,958	635	13,622	179,615
2011	64,000	197,633	8,681	702	15,404	226,146
2012	79,034	186,855	7,535	739	19,084	218,137
2013	81,586	200,928	6,283	682	17,626	229,139
2014	89,741	174,774	4,425	553	17,586	200,271
2015	79,523	148,454	5,824	289	16,361	172,464
2016	74,356	123,098	7,473	220	17,064	149,025
2017	79,887	120,708	7,428	119	17,846	146,734

¹ Net processed weight. ² Dried pears are 16⅔ percent of total dried fruit for salad. ³ Canned pears are 35 percent of total canned fruit for salad. ⁴ 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.
ERS, Crops Branch, (202) 694-5255.

Table 5-56.—Pears: Production and value, United States 2008–2017

Year	Total production	Utilized production	Marketing year average price ¹	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
2008	869,850	868,880	456.00	396,081
2009	957,220	955,820	372.00	355,662
2010	813,600	813,400	476.00	386,955
2011	965,720	965,110	380.00	366,552
2012	851,240	851,130	509.00	432,988
2013	877,130	876,520	491.00	430,660
2014	831,610	831,250	562.00	467,194
2015	816,520	803,130	615.00	494,190
2016	738,770	735,870	660.00	485,763
2017	737,450	731,350	710.00	519,290

¹ 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.
NASS, Crops Branch, (202) 720-2127.

Table 5-57.—Pears: Production and season average price per ton, by State and United States, 2015–2017

State and Variety	Total production			Utilized production			Price per ton ¹		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
California	198,000	175,000	195,000	191,000	175,000	192,000	491.00	548.00	501.00
Bartlett	168,000	141,000	162,000	161,000	141,000	160,000	493.00	500.00	420.00
Other	30,000	34,000	33,000	30,000	34,000	32,000	479.00	748.00	905.00
Michigan	2,070	(NA)	(NA)	2,040	(NA)	(NA)	605.00	(NA)	(NA)
New York	6,480	(NA)	(NA)	6,350	(NA)	(NA)	756.00	(NA)	(NA)
Oregon	228,000	214,910	226,050	226,000	214,010	224,950	675.00	720.00	785.00
Bartlett	57,500	53,660	53,850	56,000	52,860	52,850	639.00	635.00	776.00
Other	170,500	161,250	172,200	170,000	161,150	172,100	687.00	748.00	788.00
Pennsylvania ..	1,970	(NA)	(NA)	1,740	(NA)	(NA)	1,210.00	(NA)	(NA)
Washington	380,000	348,860	316,400	376,000	346,860	314,400	638.00	680.00	784.00
Bartlett	178,000	147,660	125,400	177,000	146,660	124,400	530.00	582.00	838.00
Other	202,000	201,200	191,000	199,000	200,200	190,000	733.00	752.00	748.00
United States ..	816,520	738,770	737,450	803,130	735,870	731,350	615.00	660.00	710.00

(NA) Not available. ¹ 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.
NASS, Crops Branch, (202) 720-2127.

Table 5-58.—International Fruits: Production in specified countries, 2013/2014-2015/2016

Country	Production		
	2013/2014	2014/2015	2015/2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Apples, fresh:			
Brazil	1,377,400	1,266,000	1,240,000
Chile	1,310,000	1,350,000	1,350,000
China	39,680,000	40,920,000	43,000,000
European Union	11,864,900	13,618,500	12,220,000
India	2,200,000	2,200,000	2,200,000
Iran	1,693,000	1,693,000	1,693,000
Russia	1,416,500	1,408,600	1,390,000
South Africa	792,500	860,000	865,000
Turkey	2,930,000	2,289,000	2,740,000
Ukraine	1,211,000	1,211,000	1,211,000
Others	4,649,600	4,560,800	4,548,800
Total Foreign	69,124,900	71,376,900	72,457,800
United States	4,690,101	5,074,793	4,561,000
Total	73,815,001	76,451,693	77,018,800
Fresh Cherries, sweet and sour:			
Azerbaijan	32,300	30,000	30,000
Chile	85,900	124,184	142,660
China	180,000	220,000	250,000
European Union	723,581	745,417	745,895
Russia	278,000	278,000	278,000
Serbia	126,400	126,000	126,000
Syria	62,400	62,000	62,000
Turkey	510,000	470,000	540,000
Ukraine	282,000	280,000	280,000
Uzbekistan	140,000	140,000	140,000
Others	65,600	65,500	65,500
Total Foreign	2,486,181	2,541,101	2,660,055
United States	400,522	461,984	396,497
Total	2,886,703	3,003,085	3,056,552
Fresh Peaches & nectarines:			
Argentina	291,804	290,000	290,000
Australia	100,000	90,000	90,000
Brazil	217,706	220,000	220,000
Chile	91,000	141,000	151,000
China	11,900,000	13,000,000	13,600,000
European Union	3,730,508	4,182,344	4,026,700
Japan	124,700	136,954	137,000
Mexico	161,268	160,000	160,000
South Africa	174,230	170,000	170,000
Turkey	550,000	500,000	520,000
Others	214,770	198,577	197,900
Total Foreign	17,555,986	19,088,875	19,562,600
United States	953,253	946,491	903,055
Total	18,509,239	20,035,366	20,465,655
Pears, fresh:			
Argentina	690,000	580,000	650,000
Chile	267,000	290,000	300,000
China	17,300,000	18,000,000	19,000,000
European Union	2,523,100	2,594,300	2,450,000
India	340,000	340,000	340,000
Japan	300,000	300,000	300,000
Korea, South	282,200	302,700	259,000
Russia	132,500	160,451	160,000
South Africa	413,600	400,000	410,000
Turkey	415,000	305,000	415,000
Others	339,500	363,800	363,200
Total Foreign	23,002,900	23,636,251	24,647,200
United States	795,166	754,098	665,000
Total	23,798,066	24,390,349	25,312,200

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-59.—Pears: Production and utilization, by State and United States, crop of 2017

State and variety	Total production	Utilized production	Utilization	
			Fresh ¹	Processed
	Tons	Tons	Tons	Tons
California	195,000	192,000	65,000	127,000
Bartlett	162,000	160,000	44,000	116,000
Other	33,000	32,000	21,000	11,000
Michigan	(NA)	(NA)	(NA)	(NA)
New York	(NA)	(NA)	(NA)	(NA)
Oregon	226,050	224,950	192,650	32,300
Bartlett	53,850	52,850	37,850	15,000
Other	172,200	172,100	154,800	17,300
Pennsylvania	(NA)	(NA)	(NA)	(NA)
Washington	316,400	314,400	228,500	85,900
Bartlett	125,400	124,400	59,500	64,900
Other	191,000	190,000	169,000	21,000
United States ²	737,450	731,350	169,000	245,200

(NA) Not available. ¹ Includes "Home use." ² Mostly canned, but includes small quantities dried, juiced, and other uses. NASS, Crops Branch, (202) 720-2127.

Table 5-60.—Pears: Production and utilization, United States, 2008–2017

Crop—	Total production	Utilized production	Utilization of quantities sold—Fresh ¹
	Tons	Tons	Tons
2008	869,850	868,880	548,930
2009	957,220	955,820	603,800
2010	813,600	813,400	531,430
2011	965,720	965,110	643,710
2012	851,240	851,130	551,820
2013	877,130	876,520	584,730
2014	831,610	831,250	550,080
2015	816,520	803,130	514,780
2016	738,770	735,870	505,000
2017	737,450	731,350	486,150

¹ Includes "Home use." NASS, Crops Branch, (202) 720-2127.

Table 5-61.—Papayas: Area, utilized production, utilization, marketing year average price, and value, Hawaii, 2008–2017

Year	Area harvested	Utilized production	Utilization		Price per pound	Value
			Fresh	Processed		
	Acres	1,000 pounds	1,000 pounds	1,000 pounds	Cents	dollars
2008	1,380	33,500	31,500	2,000	43.0	14,393
2009	1,325	31,500	30,300	1,200	45.0	14,186
2010	1,350	30,100	29,200	900	37.0	11,123
2011	1,300	28,600	27,700	900	34.0	9,722
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2013	1,300	24,200	23,000	1,200	34.4	8,316
2014	1,500	23,500	23,000	500	48.0	11,285
2015	1,500	25,200	(D)	(D)	41.9	10,570
2016	1,300	19,750	(D)	(D)	49.2	9,713
2017	1,700	22,250	(D)	(D)	42.2	9,400

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. NASS, Crops Branch, (202) 720-2127.

Table 5-62.—Plums, California: Production, value, and utilization, 2008–2017

Season	Total production	Utilized production	Marketing year average price per ton	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	160,000	160,000	356	56,960
2009	112,000	112,000	514	57,568
2010	142,000	142,000	555	78,810
2011	160,000	160,000	402	64,320
2012	115,000	115,000	695	79,940
2013	95,400	93,400	664	62,043
2014	113,000	113,000	913	103,167
2015	106,000	105,000	998	104,760
2016	135,500	134,500	813	109,354
2017	141,000	138,000	1,010	138,690

NASS, Crops Branch, (202) 720–2127.

Table 5-63.—Prunes (dried basis): Production, price and value, California, 2008–2017

Season	Total production	Utilized production	Marketing year average price per ton	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	129,000	129,000	1,500.00	193,500
2009	166,000	166,000	1,230.00	204,180
2010	130,000	130,000	1,350.00	175,500
2011	137,000	137,000	1,310.00	179,470
2012	138,000	138,000	1,330.00	183,540
2013	85,000	85,000	2,000.00	170,000
2014	108,000	108,000	2,470.00	266,760
2015	112,000	110,000	2,050.00	225,500
2016	54,000	54,000	2,180.00	117,720
2017	105,000	105,000	1,970.00	206,850

NASS, Crops Branch, (202) 720–2127.

Table 5-64.—Prunes and plums: Production, value, and utilization, 4-States¹, 2008–2017²

Year	Total production	Utilized production	Marketing year average price per ton	Value	Utilization of quantities sold			
					Fresh	Processed (fresh basis)		
						Dried and other	Canned	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>	
2008	15,500	15,480	382.00	5,918	8,700	3,540	2,130	1,110
2009	18,600	17,700	327.00	5,787	9,750	5,040	2,130	780
2010	12,100	11,200	439.00	4,915	7,700	1,650	1,395	455
2011	13,300	12,900	370.00	4,767	7,030	3,850	1,460	560
2012	12,935	11,835	531.00	6,288	7,030	3,500	755	550
2013	13,440	12,790	482.00	6,169	6,690	3,980	1,380	740
2014	14,800	14,500	487.00	7,060	7,600	5,820	690	390
2015	9,680	9,650	553.00	5,337	5,950	1,950	1,450	300
2016	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available. ¹ Idaho, Michigan, Oregon, and Washington. ² Estimates discontinued in 2016. NASS, Crops Branch, (202) 720–2127.

Table 5-65.—Prunes and plums (fresh basis): Production and season average price per ton, by State, 2015–2017¹

State	Total production			Utilized production			Price per ton		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
Idaho	2,000	(NA)	(NA)	2,000	(NA)	(NA)	511.00	(NA)	(NA)
Michigan	760	(NA)	(NA)	750	(NA)	(NA)	585.00	(NA)	(NA)
Oregon	4,220	(NA)	(NA)	4,200	(NA)	(NA)	494.00	(NA)	(NA)
Washington	2,700	(NA)	(NA)	2,700	(NA)	(NA)	667.00	(NA)	(NA)
Total, 4 States	9,680	(NA)	(NA)	9,650	(NA)	(NA)	553.00	(NA)	(NA)

(NA) Not available. ¹ Estimates discontinued in 2016.
NASS, Crops Branch, (202) 720-2127.

Table 5-66.—Prunes: Foreign trade, United States, 2008–2017

Year beginning October	Imports				Domestic exports			
	Fresh prunes and plums	Otherwise prepared or preserved	Dried prunes ¹	Total, in terms of fresh ²	Fresh prunes and plums	Dried prunes ¹	Dried, in fruit salad ^{1,3}	Total, in terms of fresh ²
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
2008	29,409	829	3,906	40,293	46,215	54,706	1,236	191,451
2009	27,226	805	620	29,559	47,213	65,070	1,355	219,664
2010	29,768	831	497	31,805	59,653	69,110	1,639	243,328
2011	24,105	822	565	26,311	56,788	67,529	1,810	236,801
2012	30,417	680	1,159	34,036	52,426	68,642	1,906	235,579
2013	13,625	821	6,844	32,129	41,741	48,498	1,759	172,216
2014	25,259	798	11,514	55,869	36,506	48,026	1,426	164,891
2015	26,533	985	19,183	77,221	29,660	38,342	746	131,139
2016	22,631	1,094	15,072	62,743	25,534	33,160	568	113,098
2017	22,432	1,038	9,643	48,400	31,023	33,962	307	127,779

¹ Net processed weight. ² 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. ³ "Otherwise prepared or preserved" converted to terms of fresh fruit on the basis that 1 pound equals 0.899 pound fresh. ³ Dried prunes in salad estimated at 43 percent of total dried fruit for salad.
ERS, Crops Branch, (202) 694-5255.

Table 5-67.—Strawberries, commercial crop: Production and value per hundredweight, by State and United States, 2015–2017

Utilization, season, and State	Production			Value per unit		
	2015	2016	2017	2015	2016	2017
	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
Fresh market:						
California	21,600	22,761	23,787	73.90	123.00	123.00
Florida	2,442	2,193	(D)	119.00	166.00	(D)
Michigan ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New York	29	30	(D)	254.00	235.00	(D)
North Carolina	143	144	139	164.00	187.00	168.00
Ohio ¹	23	(NA)	(NA)	170.00	(NA)	(NA)
Oregon	20	20	18	170.00	108.00	195.00
Pennsylvania ¹	34	(NA)	(NA)	213.00	(NA)	(NA)
Washington	(D)	18	(D)	(D)	205.00	(D)
Wisconsin ¹	34	(NA)	(NA)	170.00	(NA)	(NA)
Other States ²	47	-	2,456	173.00	(X)	141.00
United States	24,372	25,167	26,400	79.90	127.00	125.00
Processing:						
California	6,097	6,213	5,406	45.80	45.90	32.20
Michigan ¹	(D)	(D)	(D)	(D)	(NA)	(NA)
North Carolina	-	-	3	73.00	83.00	93.50
Oregon	135	115	91	73.00	83.00	93.50
Washington	(D)	56	(D)	(D)	88.00	(D)
Other States ²	51	-	53	80.00	(X)	69.30
United States	6,283	6,387	5,554	46.70	46.90	33.60

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (X) Not applicable. ¹ Estimates discontinued in 2016. ² Includes data withheld above.
NASS, Crops Branch, (202) 720-2127.

Table 5-68.—Strawberries, commercial crop: Area, yield, production, value per hundred weight, and total value, United States, 2008–2017

Year	Fresh market and processing				
	Area for harvest	Yield per acre	Production	Value ²	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars per cwt	1,000 dollars
2008	54,470	465	25,317	75.80	1,918,288
2009	58,080	482	28,013	76.00	2,129,585
2010	56,890	501	28,520	79.30	2,260,733
2011	57,250	507	29,016	82.40	2,391,406
2012	58,310	523	30,520	80.40	2,453,039
2013	60,410	504	30,470	85.60	2,609,038
2014	59,895	505	30,237	93.30	2,821,854
2015	58,010	528	30,655	73.00	2,239,301
2016	53,600	596	31,552	111.00	3,503,415
2017	52,700	607	31,954	109.00	3,486,649

Year	Fresh market ¹			Processing		
	Production	Value ²		Production	Value ²	
		Per cwt	Total		Per cwt	Total
	1,000 cwt	Dollars per cwt	1,000 dollars	1,000 cwt	Dollars per cwt	1,000 dollars
2008	20,911	84.10	1,759,564	4,406	36.00	158,724
2009	22,880	86.10	1,970,920	5,133	30.90	158,665
2010	23,196	90.80	2,105,492	5,324	29.20	155,241
2011	23,324	94.00	2,193,379	5,692	34.80	198,027
2012	24,552	91.80	2,253,854	5,968	33.40	199,185
2013	25,085	96.50	2,421,370	5,385	34.90	187,668
2014	24,543	105.00	2,579,425	5,694	42.60	242,429
2015	24,372	79.90	1,946,121	6,283	46.70	293,180
2016	25,167	127.00	3,203,701	6,387	46.90	299,714
2017	26,400	125.00	3,299,898	5,554	33.60	186,751

¹Fresh market price and value at point of first sale. Processing price and value at processing plant door. ²Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared. NASS, Crops Branch, (202) 720–2127.

Table 5-69.—Strawberries, commercial crop: Area harvested, production, value per hundred weight, by State and United States, 2015–2017 ¹

Season and State	Area harvested			Production			Value per unit		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	Acres	Acres	Acres	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
California	40,500	38,200	38,200	27,697	28,974	29,194	67.70	106.00	106.00
Florida	10,900	10,700	10,700	2,442	2,193	2,407	119.00	166.00	140.00
Michigan ²	650	(NA)	(NA)	28	(NA)	(NA)	156.00	(NA)	(NA)
New York	800	760	700	29	30	26	254.00	235.00	229.00
North Carolina	1,100	1,200	1,100	143	144	141	164.00	187.00	166.00
Ohio ²	540	(NA)	(NA)	23	(NA)	(NA)	170.00	(NA)	(NA)
Oregon	1,400	1,400	1,200	155	136	109	86.00	86.80	110.00
Pennsylvania ²	600	(NA)	(NA)	34	(NA)	(NA)	213.00	(NA)	(NA)
Washington ...	910	800	800	70	74.4	75	112.00	116.00	107.00
Wisconsin ² ...	610	(NA)	(NA)	34	(NA)	(NA)	170.00	(NA)	(NA)
United States	58,010	53,060	52,700	30,655	31,552	31,954	73.00	111.00	109.00

(NA) Not available. ¹ Includes quantities used for fresh market and processing. ² Estimates discontinued in 2016. NASS, Crops Branch, (202) 720–2127.

Table 5-70.—Fruits, noncitrus: Production, utilization, and value, United States, 2008–2017 ¹

Year	Utilized production	Fresh ²	Processed						Value of utilized production
			Canned	Dried	Juice	Frozen	Wine	Other	
	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
2008	17,603	7,248	1,406	2,413	1,228	682	3,944	290	11,270,860
2009	18,069	7,562	1,394	2,148	1,235	742	4,373	269	11,811,298
2010	17,879	7,458	1,386	2,318	1,103	706	4,270	298	12,367,607
2011	18,147	7,702	1,301	2,399	1,153	737	4,154	316	13,910,375
2012	17,635	7,443	1,100	2,091	1,213	707	4,707	374	15,611,441
2013	19,433	7,718	1,373	2,321	1,630	827	5,068	497	16,220,440
2014	19,151	8,267	1,208	2,194	1,617	857	4,526	483	16,410,049
2015	18,334	7,702	1,252	2,323	1,391	881	4,255	530	16,602,493
2016	18,690	8,042	1,234	1,858	1,519	890	4,668	479	17,865,364
2017	18,455	8,107	1,188	1,754	1,477	731	4,665	531	18,589,066

¹ Includes the following crops: Apples, apricots, avocados, bananas, berries, cherries, cranberries, dates, figs, grapes, guavas, kiwifruit, nectarines, olives, papayas, peaches, pears, pineapples, plums, prunes, and strawberries. ² Includes local and roadside sales.

NASS, Crops Branch, (202) 720-2127.

Table 5-71.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 2017

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.
Citrus:	1,000 cwt						
Grapefruit	889	723	567	205	27	6	5
Lemons	18	18	23	27	38	36	20
Oranges	560	557	544	525	303	171	52
Tangelos	46	6	.....	.....	.....	.....	.....
Tangerines	99	71	63	15	2	.....	.....
Templets	3	6	3	.....	.....	.....	.....
Total	1,615	1,381	1,200	772	370	213	77
Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total	
	1,000 cwt						
Grapefruit	6	14	252	493	645	3,832	
Lemons	10	9	15	18	22	254	
Oranges	49	96	266	566	716	4,405	
Tangelos .....	.....	.....	.....	4	22	78	
Tangerines .....	.....	5	32	36	53	376	
Templets .....	.....	.....	.....	.....	.....	12	
Total	65	124	565	1,117	1,458	8,957	

See footnote(s) at end of table.

Table 5-71.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 2017—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.
Noncitrus:	<i>1,000 cwt</i>						
Apples	5,362	5,235	5,385	6,387	5,089	3,903	3,354
Apples-organic	478	445	467	586	336	202	158
Apricots					20	6	58
Apricots-organic							9
Avocados	15	55	206	423	477	453	524
Avocados-organic	5	1	1		5	9	14
Blueberries			32	219	394	505	499
Blueberries-organic			25	28	61	29	61
Cherries				7	1,219	1,640	3,015
Cherries-organic					4	56	53
Cranberries							
Grapes	71				292	487	1,807
Grapes-organic					6	12	
Kiwifruit	10	6	2				
Nectarines					114	453	385
Peaches					126	611	841
Peaches-organic							
Pears	871	768	659	701	440	300	471
Pears-organic	64	76	40	12	1		3
Persimmons							
Plums						136	246
Pomegranates							
Prunes							
Raspberries	23	14	28	20	108	212	156
Raspberries-organic	4	5	8	6	26	43	34
Strawberries	672	1,108	1,466	2,075	2,513	2,120	2,075
Strawberries-organic		7,713					
Total	7,575	7,713	8,319	10,464	11,231	11,177	13,763
Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total	
Noncitrus:	<i>1,000 cwt</i>						
Apples	3,069	5,451	5,046	5,350	6,392	60,023	
Apples-organic	101	447	482	523	677	4,902	
Apricots	1					85	
Apricots-organic						9	
Avocados	348	61	3	2	2	2,569	
Avocados-organic	12		1	1	1	50	
Blueberries	255	144	13		4	2,065	
Blueberries-organic	33	17	1		3	258	
Cherries	1,013	118				7,012	
Cherries-organic	10					123	
Cranberries		18	39	129	22	208	
Grapes	3,288	3,274	3,074	2,384	1,108	15,785	
Grapes-organic						18	
Kiwifruit		8	70	84	83	263	
Nectarines	409	145	1			1,507	
Peaches	903	653	264			3,398	
Peaches-organic	21	38	2			61	
Pears	514	926	1,023	936	1,091	8,700	
Pears-organic	32	106	90	72	78	574	
Persimmons			3	13	1	17	
Plums	225	118	21	2		748	
Pomegranates		18	65	59	2	144	
Prunes	5	12				17	
Raspberries	184	133	100	41	20	1,039	
Raspberries-organic	36	24	19	14	9	228	
Strawberries	1,798	1,407	1,188	693	586	17,701	
Strawberries-organic							
Total	12,257	13,118	11,505	10,303	10,079	127,504	

AMS, Fruit and Vegetable Programs, Market News Division, (202) 205-9690.

Table 5-72.—Fruits, dried: Production (dry basis), California, 2008–2017

Year	Apricots	Figs ¹	Peaches ²	Prunes	Grapes ³
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
2008	1,830	13,100	1,050	129,000	390,300
2009	1,090	13,300	850	166,000	335,500
2010	1,400	12,320	2,010	130,000	394,800
2011	1,810	11,560	470	137,000	384,300
2012	1,210	10,400	1,230	138,000	345,900
2013	1,080	9,300	420	85,000	406,100
2014	1,500	9,470	610	108,000	366,200
2015	1,050	8,940	880	110,000	388,500
2016	1,280	9,260	(NA)	54,000	335,900
2017	(D)	9,100	(NA)	105,000	266,100

¹ Standard and substandard. ² Freestone only. Discontinued in 2015. ³ Raisin and table type.
NASS, Crops Branch, (202) 720–2127.

Table 5-73.—International Raisins: Production in specified countries, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Afghanistan	34,300	40,000	42,000
Argentina	20,500	33,000	32,000
Australia	10,000	10,000	10,000
Chile	69,200	64,000	65,000
China	165,000	180,000	190,000
European Union	10,000	10,000	10,000
Iran	160,000	130,000	150,000
South Africa	46,000	58,000	55,000
Turkey	242,635	320,000	200,000
Uzbekistan	18,000	51,000	35,000
Others	10,000	10,000	10,000
Total Foreign	785,635	906,000	799,000
United States	368,408	311,255	340,000
Total	1,154,043	1,217,255	1,139,000

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-74.—Fruits: Per capita consumption, United States, 2008–2017¹

Year	Fruits used fresh		Canned fruits ⁴	Juice ⁵	Frozen fruit ⁶	Dried fruits ⁷
	Citrus fruit ²	Noncitrus fruits ³				
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Gallons</i>	<i>Pounds</i>	<i>Pounds</i>
2008	20.6	79.7	13.4	7.6	5.1	2.2
2009	20.7	77.4	13.6	7.1	5.1	2.1
2010	21.6	80.9	13.1	7.2	5.7	2.3
2011	22.8	82.3	12.1	6.1	5.3	2.4
2012	23.5	85.1	11.5	6.4	5.0	2.4
2013	23.9	87.6	12.9	6.2	5.3	2.5
2014	23.3	90.5	11.7	5.9	6.5	2.5
2015	22.7	89.6	12.3	5.8	6.5	2.5
2016	24.0	92.0	11.7	5.6	5.3	2.5
2017	23.8	93.7	11.4	5.4	6.1	2.2

¹ Fresh citrus fruits, canned fruit, and fruit juices 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. ² Oranges and tangelos, tangerines and mandarins, lemons, limes, and grapefruit. ³ Apples, apricots, avocados, bananas, cherries, cranberries, grapes, kiwifruit, mangoes, peaches and nectarines, pears, pineapples, papayas, plums and prunes, and strawberries. ⁴ Apples, apricots, cherries, olives, peaches, pears, pineapples, and plums and prunes. ⁵ Orange, grapefruit, lemon, lime, apple, grape, pineapple, prune, and cranberry. ⁶ Blackberries, blueberries, raspberries, strawberries, other berries, apples, apricots, cherries, and peaches. ⁷ Apples, apricots, dates, figs, peaches, pears, prunes, and raisins. Dried data in terms of processed weight.
ERS, Crops Branch, (202) 694–5255.

Table 5-75.—All tree nuts: Supply and utilization, United States, 2008/2009–2017/2018

Market year ¹	Beginning stocks	Marketable production ²	Imports	Total supply	Exports	Ending stocks	Domestic consumption	
							Total	Per capita Pounds
—Million pounds (shelled)—								
2008/2009	405.7	2,259.5	432.6	3,097.8	1,465.7	542.6	1,089.5	3.56
2009/2010	542.6	2,113.3	468.9	3,124.8	1,546.4	422.1	1,156.3	3.74
2010/2011	422.1	2,482.2	485.1	3,389.4	1,786.1	407.4	1,195.9	3.85
2011/2012	407.4	2,787.2	449.2	3,643.9	1,977.1	480.2	1,186.6	3.79
2012/2013	480.2	2,762.3	515.6	3,753.1	1,979.6	462.1	1,316.5	4.17
2013/2014	462.1	2,806.7	582.1	3,850.9	2,075.2	505.5	1,270.1	4.00
2014/2015	505.5	2,738.4	666.9	3,910.9	2,025.2	585.2	1,300.5	4.06
2015/2016	585.2	2,665.8	668.1	3,919.1	2,035.2	575.5	1,308.4	4.06
2016/2017	575.5	3,328.2	697.2	4,601.0	2,381.4	647.4	1,572.1	4.84
2017/2018	647.4	3,182.3	737.7	4,567.4	2,396.4	535.5	1,635.5	5.00

¹ Marketing season begins July 1 for hazelnuts and macadamias; August 1 for almonds and walnuts; September 1 for pistachios; and October 1 for pecans. ² Utilized production (NASS data) minus inedibles and noncommercial useage. ERS, Crops Branch, (202) 694-5255.

Table 5-76.—International Nuts: Production in specified countries, 2013/2014–2015/2016

Country	Production		
	2013/2014	2014/2015	2015/2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Almonds:			
Australia	65,100	75,000	82,000
Chile	3,900	11,000	12,000
China	7,000	9,500	10,000
European Union	58,800	79,700	85,000
India	1,100	1,200	1,100
Turkey	18,000	13,000	14,000
Total Foreign	153,900	189,400	204,100
United States	911,720	848,220	816,470
Total	1,065,620	1,037,620	1,020,570
Walnuts, Inshell basis:			
Australia	2,500	2,500	2,500
Brazil	5,200	6,000	6,000
Chile	60,000	54,000	60,000
China	780,000	900,000	1,000,000
European Union	110,000	111,000	117,000
India	43,000	35,000	38,000
Moldova	23,100	32,000	35,000
Turkey	75,000	40,000	60,000
Ukraine	115,790	102,740	102,000
Total Foreign	1,214,590	1,283,240	1,420,500
United States	446,335	517,095	521,631
Total	1,660,925	1,800,335	1,942,131

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-77.—Almonds (shelled basis): Bearing acreage, yield, production, price, and value, California, 2008–2017¹

Year	Bearing Acreage	Yield per acre ²	Utilized production	Price per pound	Value
	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	710,000	2,300	1,630,000	1.45	2,343,200
2009	750,000	1,880	1,410,000	1.65	2,293,500
2010	770,000	2,130	1,640,000	1.79	2,903,380
2011	800,000	2,540	2,030,000	1.99	4,007,860
2012	820,000	2,310	1,890,000	2.58	4,816,860
2013	850,000	2,360	2,010,000	3.21	6,384,690
2014	870,000	2,150	1,870,000	4.00	7,388,000
2015	920,000	2,070	1,900,000	3.13	5,868,750
2016	940,000	2,280	2,140,000	2.39	5,052,460
2017	1,000,000	2,270	2,270,000	2.53	5,603,950

¹ Price and value are based on edible portion of the crop only. Production includes inedible quantities of no value as follows (million pounds): 2006-23.5; 2007-17.5; 2008-14.0; 2009-20.0; 2010-18.0; 2011-16.0; 2012-23; 2013-21.0; 2014-23.0; 2015-25.0. ² Yield is based on utilized production.
NASS, Crops Branch, (202) 720-2127.

Table 5-78.—Almonds (shelled basis): Foreign trade, United States, 2008–2017¹

Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>
2008	796	439,759
2009	776	462,276
2010	2,391	527,228
2011	5,729	615,275
2012	15,653	579,553
2013	14,724	581,398
2014	10,026	546,116
2015	9,501	562,036
2016	7,638	640,143
2017	10,305	666,993

¹ 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.
ERS, Crops Branch, (202) 694-5255.

Table 5-79.—Macadamia nuts (in-shell basis): Bearing acreage, yield, production, price, and value, Hawaii, 2008–2017

Year	Bearing Acreage	Yield per acre	Utilized production	Price per pound	Value
	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
2008	15,000	3,330	50,000	67.0	33,500
2009	15,000	2,800	42,000	70.0	29,400
2010	15,000	2,670	40,000	75.0	30,000
2011	15,000	3,270	49,000	78.0	38,220
2012	15,000	2,930	44,000	80.0	35,200
2013	16,000	2,560	41,000	87.0	35,670
2014	16,000	2,880	46,000	87.0	40,020
2015	16,000	2,940	47,000	97.0	45,590
2016	16,000	2,630	42,000	100.0	42,000
2017	16,000	3,060	49,000	110.0	53,900

NASS, Crops Branch, (202) 720-2127.

Table 5-80.—Hazelnuts (in-shell basis): Bearing acreage, yield, production, price, and value, Oregon, 2008–2017

Year	Bearing Acreage	Yield per acre	Utilized production	Price per ton	Value
	Acres	Tons	Tons	Dollars	1,000 dollars
2008	28,300	1.13	32,000	1,620	51,840
2009	28,700	1.64	47,000	1,690	79,430
2010	29,000	0.97	28,000	2,410	67,480
2011	28,500	1.35	38,500	2,330	89,705
2012	29,000	1.22	35,500	1,830	64,965
2013	30,000	1.50	45,000	2,680	120,600
2014	30,000	1.20	36,000	3,600	129,600
2015	34,000	0.91	31,000	2,800	86,800
2016	37,000	1.19	44,000	2,700	118,800
2017	37,000	0.86	32,000	2,300	73,600

NASS, Crops Branch, (202) 720–2127.

Table 5-81.—Hazelnuts (shelled basis): Foreign trade, United States, 2008–2017¹

Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>
2008	2,969	9,715
2009	2,533	13,917
2010	4,417	7,691
2011	3,118	10,031
2012	5,392	11,243
2013	4,747	14,862
2014	1,761	20,309
2015	2,748	8,766
2016	3,333	11,628
2017	5,443	8,845

¹ 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.
ERS, Crops Branch, (202) 694–5255.

Table 5-82.—Pecans (in-shell basis): Production, price per pound, and value, United States, 2008–2017

Year	Improved varieties ¹			Native and seedling			All pecans		
	Utilized production	Price per pound	Value	Utilized production	Price per pound	Value	Utilized production	Price per pound	Value
	1,000 pounds	Dollars	1,000 dollars	1,000 pounds	Dollars	1,000 dollars	1,000 pounds	Dollars	1,000 dollars
2008	173,660	1,420	246,590	28,420	0.883	25,097	202,080	1,340	271,687
2009	249,720	1,530	381,550	52,300	0.934	48,838	302,020	1,430	430,388
2010	232,560	2,490	578,149	61,180	1.580	96,679	293,740	2,300	674,828
2011	227,030	2,590	587,064	42,670	1.610	68,825	269,700	2,430	655,889
2012	247,100	1,730	427,473	55,200	0.879	48,518	302,300	1,570	475,991
2013	220,000	1,900	417,758	46,330	0.920	42,632	266,330	1,730	460,390
2014	227,410	2,120	482,323	36,740	0.933	34,268	264,150	1,960	516,591
2015	225,180	2,310	520,529	29,110	1.360	39,687	254,290	2,200	560,216
2016	249,970	2,660	663,746	18,800	1.760	33,060	268,770	2,590	696,806
2017	269,600	2,400	646,348	24,250	1.570	38,000	293,850	2,330	684,348

¹ Budded, grafted or topworked varieties.
NASS, Crops Branch, (202) 720–2127.

Table 5-83.—Pecans (in-shell basis): Production and marketing year average price per pound, by State and United States, 2015–2017

Item and State	Utilized production			Price per pound		
	2015	2016	2017	2015	2016	2017
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Improved Varieties ¹						
Alabama	1,600	1,900	1,600	2.170	2.130	2.030
Arizona	22,500	24,800	28,000	2.400	2.710	2.500
Arkansas ²	1,200	(NA)	(NA)	1.980	(NA)	(NA)
California	3,960	5,770	5,000	2.180	2.540	2.300
Florida ²	190	(NA)	(NA)	2.170	(NA)	(NA)
Georgia	90,000	109,000	107,000	2.180	2.500	2.400
Louisiana	1,000	1,500	3,000	1.710	1.950	2.000
Mississippi ²	1,000	(NA)	(NA)	1.540	(NA)	(NA)
Missouri ²	310	(NA)	(NA)	2.010	(NA)	(NA)
New Mexico	73,000	72,000	92,000	2.500	2.960	2.400
Oklahoma	3,000	3,000	3,000	2.090	2.670	2.100
South Carolina ²	420	(NA)	(NA)	1.650	(NA)	(NA)
Texas	27,000	32,000	30,000	2.300	2.540	2.390
United States	225,180	249,970	269,600	2.310	2.66	2.400
Native and Seedling						
Alabama	300	300	250	1.230	1.400	1.520
Arkansas ²	1,000	(NA)	(NA)	1.100	(NA)	(NA)
Florida ²	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Georgia	3,000	(NA)	(NA)	1.360	(NA)	(NA)
Kansas ²	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Louisiana	4,000	2,500	5,000	1.000	1.300	1.250
Mississippi ²	300	(NA)	(NA)	1.240	(NA)	(NA)
Missouri ²	1,200	(NA)	(NA)	1.500	(NA)	(NA)
Oklahoma	10,000	9,000	11,000	1.450	1.850	1.630
South Carolina ²	30	(NA)	(NA)	1.260	(NA)	(NA)
Texas	8,000	7,000	8,000	1.470	1.820	1.680
Other States	1,280	-	-	1.300	-	-
United States	29,110	18,800	24,250	1.360	1.760	1.570
All Pecans						
Alabama	1,900	2,200	1,850	2.020	2.030	1.960
Arizona	22,500	24,800	28,000	2.400	2.710	2.500
Arkansas ²	2,200	(NA)	(NA)	1.580	(NA)	(NA)
California	3,960	5,770	5,000	2.180	2.540	2.300
Florida ²	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Georgia	93,000	109,000	107,000	2.150	2.500	2.400
Kansas ²	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Louisiana	5,000	4,000	8,000	1.140	1.540	1.530
Mississippi ²	1,300	(NA)	(NA)	1.470	(NA)	(NA)
Missouri ²	1,510	(NA)	(NA)	1.600	(NA)	(NA)
New Mexico	73,000	72,000	92,000	2.500	2.960	2.400
Oklahoma	13,000	12,000	14,000	1.600	2.060	1.730
South Carolina ²	450	(NA)	(NA)	1.620	(NA)	(NA)
Texas	35,000	39,000	38,000	2.110	2.410	2.240
Other States ³	1,470	-	-	1.410	-	-
United States	254,290	268,770	293,850	2.200	2.590	2.330

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Budded, grafted or topworked varieties. ² Estimates discontinued in 2016. ³ Includes data withheld above.
NASS, Crops Branch, (202) 720-2127.

Table 5-84.—Pecans (shelled basis): Foreign trade, United States, 2008–2017 ¹

Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>
2008	26,831	22,037
2009	33,735	30,607
2010	35,906	25,531
2011	30,449	31,141
2012	33,525	37,873
2013	39,000	33,098
2014	43,736	40,727
2015	46,612	35,721
2016	52,830	42,987
2017	58,230	47,722

¹ 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.
ERS, Crops Branch, (202) 694-5255.

Table 5-85.—Pistachios (in-shell basis): Bearing acreage, yield, production, price, and value, California, 2008–2017

Year	Bearing Acreage	Yield per acre	Utilized production	Price per pound	Value
	Acres	Pounds	1,000 pounds	Dollars	1,000 dollars
2008	118,000	2,360	278,000	2.05	569,900
2009	126,000	2,820	355,000	1.67	592,850
2010	137,000	3,810	522,000	2.22	1,158,840
2011	153,000	2,900	444,000	1.98	879,120
2012	182,000	3,030	551,000	2.61	1,438,110
2013	203,000	2,320	470,000	3.48	1,635,600
2014	221,000	2,330	514,000	3.57	1,834,980
2015	233,000	1,160	270,000	3.29	888,300
2016	239,000	3,750	896,500	1.68	1,506,120
2017	250,000	2,400	600,300	1.69	1,014,507

NASS, Crops Branch, (202) 720-2127.

Table 5-86.—Walnuts, English (in-shell basis): Bearing acreage, yield, production, price, and value, California, 2008–2017

Year	Bearing Acreage	Yield per acre ¹	Utilized production	Price per ton	Value
	Acres	Tons	Tons	Dollars	1,000 dollars
2008	230,000	1.90	436,000	1,280	558,080
2009	240,000	1.82	437,000	1,710	747,270
2010	255,000	1.98	504,000	2,040	1,028,160
2011	265,000	1.74	461,000	2,900	1,336,900
2012	270,000	1.84	497,000	3,030	1,505,910
2013	280,000	1.76	492,000	3,710	1,825,320
2014	290,000	1.97	571,000	3,340	1,907,140
2015	300,000	2.02	606,000	1,670	1,012,020
2016	315,000	2.19	689,000	1,850	1,274,650
2017	335,000	1.88	630,000	2,530	1,593,900

¹Yield is based on utilized production.
NASS, Crops Branch, (202) 720-2127.

Table 5-87.—Walnuts (shelled basis): Foreign trade, United States, 2008–2017¹

Year beginning October	Imports	Domestic exports
	Metric tons	Metric tons
2008	837	96,313
2009	1,529	101,865
2010	186	133,868
2011	2,442	117,031
2012	3,957	133,049
2013	5,266	134,379
2014	9,780	158,186
2015	5,319	188,467
2016	6,495	191,362
2017	5,618	176,230

¹Imports 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.
ERS, Crops Branch, (202) 694-5255.

Table 5-88.—Coffee, green: International trade, exports from principal producing countries, 2012/2013-2014/2015

Country of origin	2012/2013	2013/2014	2014/2015
	<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>
Principle exporting countries:			
Brazil	30,660	34,146	36,570
Colombia	8,855	11,040	12,125
Ethiopia	3,500	3,285	3,500
Guatemala	3,770	3,175	3,070
Honduras	4,480	3,940	4,700
India	4,858	4,983	4,700
Indonesia	8,900	7,800	7,040
Malaysia	2,150	2,110	2,780
Uganda	3,575	3,600	3,400
Vietnam	24,643	28,289	22,072
Others	23,318	20,605	18,949
Total Foreign	118,709	122,973	118,906
United States	365	580	390
Total	119,074	123,553	119,296
Principle importing countries:			
Algeria	1,945	2,300	2,155
Australia	1,660	1,615	1,775
Canada	4,230	4,605	4,505
China	1,560	1,705	1,940
European Union	45,070	44,650	45,110
Japan	8,345	7,870	8,075
Korea,South	1,825	2,160	2,305
Philippines	3,880	3,185	3,790
Russia	4,130	4,230	4,050
Switzerland	2,310	2,300	2,420
Others	17,369	16,789	16,762
Total Foreign	92,324	91,409	92,887
United States	23,700	24,915	24,010
Total	116,024	116,324	116,897

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments. Data Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics.

Table 5-89.—Coffee: Area, yield, production, marketing year average price, and value, Hawaii, 2008/2009–2017/2018¹

Year	Area Harvested	Yield per acre	Utilized production	Price per pound	Value
	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008/2009	6,900	1,260	8,700	3.40	29,580
2009/2010	7,200	1,210	8,700	3.60	31,320
2010/2011	7,500	1,170	8,800	3.80	33,440
2011/2012	7,700	990	7,600	4.15	31,540
2012/2013	7,900	890	7,000	5.90	41,300
2013/2014	8,200	1,020	8,400	6.20	52,080
2014/2015	7,800	1,030	8,137	9.12	62,622
2015/2016	6,900	4,600	30,137	1.55	46,712
2016/2017	7,000	4,180	28,571	1.71	48,856
2017/2018	7,200	3,530	24,592	1.78	43,774

¹ For 2007/2008 season thru 2014/2015 season, all data in a parchment basis. Beginning with the 2015/2016 season, all data is for a cherry basis.

NASS, Crops Branch, (202) 720-2127.

Table 5-90.—Coffee and tea: U.S. imports, 2014–2016

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Coffee and coffee products:			
Brazil	439,557	468,573	402,137
Colombia	276,633	322,053	314,191
Vietnam	228,865	174,678	269,638
Mexico	52,990	57,756	75,338
Guatemala	67,037	72,996	72,433
Indonesia	56,395	57,697	70,849
Peru	52,395	46,438	65,613
Costa Rica	83,571	73,810	61,496
Honduras	83,390	71,417	60,657
Nicaragua	40,696	43,636	49,855
Germany(*)	34,658	33,109	38,869
Canada	40,280	35,186	38,867
El Salvador	17,605	21,966	17,497
Ethiopia(*)	14,738	10,094	14,298
Papua New Guinea	12,284	17,195	13,031
Uganda	7,731	9,592	10,557
Kenya	4,713	7,490	10,522
Italy(*)	8,462	8,036	8,724
Tanzania	3,242	4,588	6,565
India	7,656	8,291	6,436
China	5,101	6,184	4,740
Rwanda	5,277	5,212	4,201
Ecuador	5,016	3,999	4,150
Switzerland(*)	4,266	3,232	3,122
Malaysia	204	39	2,131
Dominican Republic	1,543	1,427	1,830
Panama	1,952	2,052	1,494
Korea, South	397	1,972	1,486
Sweden	1,442	1,511	1,464
Rest of World	949	1,778	1,410
Rest of World	14,146	11,566	13,595
World Total	1,573,189	1,583,571	1,647,194
Tea, except herbal tea:			
Canada	54,834	56,491	54,586
Argentina	51,403	55,958	54,073
China	20,269	22,039	23,761
India	16,237	17,075	17,266
Vietnam	8,261	4,560	9,224
Mexico	6,698	7,402	6,581
Germany(*)	10,398	8,071	6,096
Sri Lanka	5,209	5,095	5,634
Malawi	5,125	4,408	5,630
Indonesia	4,143	3,736	4,084
Kenya	5,274	4,512	3,892
Thailand	1,842	1,963	2,326
Japan	1,978	2,045	1,975
Chile	1,261	1,288	1,633
United Kingdom	1,191	1,232	1,498
Taiwan	1,353	1,606	1,335
Brazil	983	1,030	1,233
Netherlands	1,117	1,159	1,116
Zimbabwe	792	1,114	833
Poland	628	647	747
Egypt	442	599	583
Ecuador	693	703	580
Nigeria	689	765	574
Hong Kong	452	542	534
Korea, South	395	474	450
South Africa	227	279	427
Papua New Guinea	168	418	355
Pakistan	290	333	336
Mozambique	209	264	334
Rest of World	362	148	330
Rest of World	8,291	8,240	3,804
World Total	211,216	214,216	211,825

(*) Denotes a country that is a summarization of its component countries. All zeroes for a data item may show that statistics exist in the other import type, Consumption or General. Users should use cautious interpretation on Quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 5-91.—Specialty mushrooms: Number of growers, total production, volume of sales, price per pound, and value of sales, United States: 2015/2016-2017/2018

Year and variety	Growers ¹	Total Production ²	All sales		
			Volume of sales ³	Price per pound ⁴	Value of sales
	<i>Number</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2015/2016					
Shiitake	200	10,298	10,111	3.26	32,959
Oyster	124	10,564	10,001	3.60	35,986
Other	45	4,993	4,290	5.51	23,627
United States	248	25,853	24,402	3.79	92,572
2016/2017					
Shiitake	185	11,025	10,806	3.91	42,301
Oyster	128	11,394	11,087	3.12	34,542
Other	59	5,223	4,869	5.43	26,463
United States	232	27,652	26,762	3.86	103,306
2017/2018					
Shiitake	185	10,429	10,112	4.44	44,883
Oyster	116	11,268	10,842	3.13	33,890
Other	64	5,690	5,050	5.33	26,923
United States	229	27,387	26,004	4.06	105,696

¹ Growers counted only once for United States total if growing more than one specialty type mushroom. Growers growing Agaricus and specialty mushrooms are included. ² Total production includes all fresh market and processing sales plus amount harvested but not sold (shrinkage, cullage, dumped, etc.). ³ Virtually all specialty mushroom sales are for fresh market. ⁴ Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale.

NASS, Crops Branch, (202) 720-2127.

Table 5-92.—Agaricus mushrooms: Area, volume of sales, marketing year average price, and value of sales, United States: 2008-2017 ¹

Year	Area in production Total fillings	Volume of sales	Price per pound	Value of sales		
				Total	Fresh market	Processing
	<i>1,000 sq. ft.</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2008/2009	134,533	803,896	1.130	910,658	841,021	69,637
2009/2010	129,268	777,064	1.140	884,390	821,472	62,918
2010/2011	134,266	845,951	1.140	964,192	887,839	76,353
2011/2012	139,331	881,857	1.180	1,039,159	969,847	69,312
2012/2013	139,846	869,625	1.190	1,038,541	969,278	69,263
2013/2014	134,685	882,075	1.190	1,049,972	971,521	78,451
2014/2015	143,292	907,191	1.230	1,118,371	1,054,652	63,719
2015/2016	142,147	919,012	1.200	1,098,745	1,035,106	63,639
2016/2017	143,497	906,593	1.240	1,122,821	1,060,281	62,540
2017/2018	140,563	891,231	1.270	1,127,886	1,070,316	57,570

¹ Marketing year begins July 1 and ends June 30 the following year.

NASS, Crops Branch, (202) 720-2127.

Table 5-93.—Cut flowers: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Quantity sold	Wholesale price	Value of sales at whole-sale ¹	Quantity sold	Wholesale price	Value of sales at whole-sale ¹	Quantity sold	Wholesale price	Value of sales at whole-sale ¹
	1,000 stems	Cents per stem	1,000 dollars	1,000 stems	Cents per stem	1,000 dollars	1,000 bunches	Cents per bunch	1,000 dollars
	Alstroemeria			Carnations, standard			Chrysanthemums pompon		
2006 ...	8,595	21.9	1,885	5,428	17.6	955	10,338	1.26	12,985
2007 ...	9,879	20.8	2,057	3,328	18.8	626	18,059	0.76	13,810
2008 ...	10,774	17.9	1,927	3,343	17.0	567	10,058	1.34	13,428
2009 ...	8,800	18.5	1,629	2,837	16.9	480	7,920	1.43	11,298
2010 ...	9,868	16.7	1,650	1,893	16.7	317	8,347	1.40	11,705
2011 ...	8,764	19.1	1,676	1,441	16.2	233	7,823	1.41	11,048
2012 ...	10,964	21.0	2,307	715	23.4	167	9,167	1.43	13,115
2013 ...	10,164	20.7	2,104	624	24.5	153	9,009	1.53	13,816
2014 ...	8,890	19.1	1,702	797	30.6	244	6,677	1.73	11,518
2015 ...	7,747	19.6	1,517	896	30.5	273	7,777	1.48	11,524
	Delphinium & Larkspur			Gerbera Daisies			Gladioli		
2006 ...	26,142	23.5	6,133	112,587	30.2	33,997	95,350	23.8	22,694
2007 ...	32,158	24.4	7,842	117,403	30.6	35,939	85,471	27.0	23,081
2008 ...	31,221	24.0	7,505	120,836	29.8	35,976	76,850	25.9	19,935
2009 ...	22,373	27.1	6,071	106,805	30.9	33,027	94,951	24.1	22,880
2010 ...	27,173	26.5	7,193	107,678	30.4	32,737	89,672	25.4	22,801
2011 ...	19,639	30.5	5,981	113,655	28.5	32,385	60,167	27.1	16,299
2012 ...	19,448	37.4	7,265	107,899	30.6	33,067	60,747	25.3	15,349
2013 ...	16,929	38.6	6,542	98,535	31.0	30,552	59,435	34.1	20,244
2014 ...	17,091	35.3	6,030	105,028	31.4	32,987	61,724	32.7	20,193
2015 ...	12,671	41.0	5,199	106,680	30.4	32,423	60,778	32.3	19,608
	Iris			Lilies, all			Lisianthus		
2006 ...	81,194	22.6	18,315	107,044	70.5	75,459	8,518	43.1	3,670
2007 ...	90,890	22.4	20,349	111,185	67.4	74,954	13,956	38.2	5,338
2008 ...	92,404	22.1	20,462	116,797	67.3	78,609	15,180	35.6	5,406
2009 ...	64,114	24.3	15,550	101,339	63.5	64,392	8,689	38.3	3,327
2010 ...	57,576	25.2	14,518	93,373	65.5	61,165	7,650	38.8	2,966
2011 ...	62,414	26.1	16,303	141,337	56.5	79,798	7,502	42.1	3,160
2012 ...	55,025	24.5	13,477	99,743	66.7	66,553	9,846	43.1	4,240
2013 ...	54,635	24.4	13,356	87,094	68.4	59,558	9,216	45.2	4,167
2014 ...	45,682	26.4	12,078	79,432	77.6	61,661	8,484	45.2	3,839
2015 ...	43,787	26.4	11,554	82,551	75.4	62,235	9,010	45.0	4,055
	Orchids, all			Roses, all			Snapdragons		
2006 ...	10,332	120.3	12,428	82,138	37.7	30,974	36,559	28.0	10,244
2007 ...	11,209	99.5	11,150	67,701	41.5	28,110	41,887	29.1	12,202
2008 ...	7,882	98.2	7,737	57,999	38.8	22,481	42,696	27.6	11,790
2009 ...	7,637	185.1	14,133	42,031	42.0	17,662	37,473	27.0	10,118
2010 ...	7,852	99.8	7,834	39,497	42.9	16,950	31,475	27.1	8,524
2011 ...	7,166	83.0	5,949	37,004	48.4	17,912	34,777	25.1	8,744
2012 ...	6,498	90.9	5,909	32,736	49.4	16,184	35,061	29.7	10,396
2013 ...	5,846	163.6	9,564	28,626	56.3	16,105	42,013	25.4	10,652
2014 ...	6,737	245.6	16,546	30,555	56.2	17,178	41,467	24.8	10,274
2015 ...	4,682	170.5	7,983	27,812	61.3	17,039	43,863	29.5	12,933
	Tulips			Other cut flowers					
	1,000 stems	Cents per stem	1,000 dollars	1,000 stems	Cents per stem	1,000 dollars	1,000 stems	Cents per stem	1,000 dollars
2006 ...	141,893			34.1		48,391			134,198
2007 ...	157,992			35.9		56,719			133,017
2008 ...	170,854			37.6		64,285			126,990
2009 ...	150,228			38.1		57,185			103,687
2010 ...	155,667			36.6		56,900			129,466
2011 ...	169,219			35.3		59,788			99,824
2012 ...	161,802			37.2		60,172			171,159
2013 ...	161,926			36.8		59,535			116,509
2014 ...	160,990			35.5		57,198			112,006
2015 ...	167,378			34.6		57,840			130,135

¹ Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720-2127.

Table 5-94.—Cut Cultivated Greens: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Leatherleaf Ferns			Other cut cultivated greens	
	Quantity sold	Wholesale price	Value of sales at wholesale ¹	Value of sales at wholesale ¹	
	<i>1,000 bunches</i>	<i>Dollars per bunch</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
2006	44,183	1.04	45,902	51,706	51,706
2007	39,437	1.00	39,543	58,527	58,527
2008	34,761	0.98	33,924	57,824	57,824
2009	31,800	0.94	29,942	43,993	43,993
2010	28,474	1.03	29,312	47,713	47,713
2011	26,277	0.97	25,499	46,537	46,537
2012	32,063	0.99	31,706	43,811	43,811
2013	32,209	1.02	32,779	42,706	42,706
2014	32,385	0.99	32,209	40,974	40,974
2015	33,319	1.02	33,853	46,573	46,573

¹ Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720-2127.

Table 5-95.—Foliage Plants for Indoor or Patio Use: Sales and Wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Foliage, Hanging Baskets			Foliage, Pots	
	Quantity Sold	Wholesale price	Value of sales at wholesale	Value of sales at wholesale	
	<i>1,000 baskets</i>	<i>Dollars per basket</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
2006	13,341	4.60	61,303	466,609	466,609
2007	14,118	4.66	65,857	589,545	589,545
2008	11,003	4.90	53,949	456,362	456,362
2009	12,072	5.29	63,881	493,148	493,148
2010	14,530	5.39	78,247	507,882	507,882
2011	14,483	5.42	78,438	534,943	534,943
2012	10,323	6.12	63,158	576,778	576,778
2013	11,493	5.92	67,996	544,562	544,562
2014	10,199	6.19	63,103	559,779	559,779
2015	11,556	5.85	67,562	646,127	646,127

NASS, Crops Branch, (202) 720-2127.

Table 5-96.— Potted Flowering Plants for Indoor or Patio Use: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Quantity sold		Wholesale price		Value of sales at wholesale †
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
African violets					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	5,997	434	1.20	1.92	8,046
2007	4,357	430	1.37	1.95	6,809
2008	2,946	9	1.35	3.34	3,993
2009	2,313	38	1.49	3.48	3,580
2010	2,727	23	1.31	1.88	3,614
2011	2,582	51	1.25	3.84	3,414
2012	2,632	27	1.55	2.38	4,150
2013	2,572	33	1.47	2.53	3,870
2014	2,595	9	1.55	4.13	4,063
2015	2,641	8	1.56	3.85	4,161
Florist azaleas					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars per pot</i>	<i>1,000 dollars</i>
2006	2,237	6,844	2.10	4.41	34,909
2007	1,514	5,081	2.34	4.90	28,435
2008	1,095	7,188	2.24	4.65	35,897
2009	2,345	5,214	2.30	4.92	31,044
2010	1,348	3,289	2.59	5.67	22,138
2011	1,266	3,012	2.32	6.01	21,022
2012	1,129	3,544	2.68	5.28	21,734
2013	1,109	3,313	2.48	5.05	19,471
2014	22	4,063	4.25	4.65	18,977
2015	103	3,587	5.26	4.96	18,343
Florist chrysanthemums					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	1,299	12,693	1.82	3.03	40,815
2007	1,810	11,363	1.65	3.15	38,777
2008	1,927	9,902	1.57	3.21	34,762
2009	1,314	6,181	1.90	3.61	24,842
2010	2,225	4,526	1.82	3.97	22,029
2011	1,351	5,210	2.43	3.54	21,720
2012	1,654	4,400	2.00	4.14	21,535
2013	613	5,343	2.82	3.99	23,045
2014	1,239	4,673	3.02	3.96	22,238
2015	457	4,119	2.02	3.83	16,699
Easter lilies					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars per pot</i>	<i>1,000 dollars</i>
2006	2	6,334	6.53	4.12	26,106
2007 .....	.....	6,546	.....	4.05	26,512
2008	31	5,824	4.05	4.33	25,335
2009	93	6,196	3.16	4.38	27,405
2010	147	5,891	3.29	4.29	25,764
2011	99	5,094	2.73	4.35	22,436
2012	37	5,011	3.48	4.36	21,958
2013	295	5,901	2.80	4.23	25,758
2014	785	5,099	3.90	4.59	26,460
2015	155	5,370	2.54	4.45	24,317
Potted Orchids					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars per pot</i>	<i>1,000 dollars</i>
2006	10,140	4,615	6.90	10.96	120,521
2007	10,661	6,655	6.95	9.89	139,960
2008	10,689	5,415	7.16	9.23	126,509
2009	12,503	7,135	7.36	9.70	161,208
2010	13,395	7,933	7.10	9.71	172,196
2011	15,415	8,520	6.78	10.19	191,306
2012	15,915	12,389	7.01	9.62	230,695
2013	18,934	12,750	7.34	8.83	251,559
2014	19,085	14,474	7.65	8.80	273,481
2015	19,393	16,983	7.25	8.70	288,284

See footnote(s) at end of table.

Table 5-96.—Potted flowering for indoor or patio use: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015—Continued

Year	Quantity sold		Wholesale price		Value of sales at wholesale ¹
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
Poinsettias					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars per pot</i>	<i>1,000 dollars</i>
2006	7,762	33,743	1.98	4.61	171,012
2007	7,130	31,901	2.07	4.60	161,409
2008	6,373	28,922	2.07	4.82	152,611
2009	6,679	28,649	2.13	4.69	148,579
2010	7,710	26,942	2.02	4.65	140,841
2011	7,470	27,259	1.84	4.60	139,274
2012	6,620	27,301	2.12	4.77	144,309
2013	6,610	26,797	2.06	4.82	142,805
2014	6,338	27,263	2.15	4.77	143,715
2015	6,509	25,459	2.14	4.94	139,710
Potted florist roses					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	6,389	1,901	1.90	4.90	21,446
2007	6,834	2,364	1.94	5.16	25,425
2008	7,252	1,064	2.74	5.34	25,569
2009	6,924	1,031	2.57	5.14	23,115
2010	5,599	2,167	2.50	5.83	26,669
2011	5,183	2,550	2.16	4.87	23,619
2012	5,729	2,828	2.18	5.74	28,741
2013	5,976	2,750	2.40	6.14	31,214
2014	7,751	934	3.26	6.41	31,282
2015	6,341	1,784	2.42	5.25	24,696
Potted spring flowering bulbs					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	13,061	8,469	1.41	3.43	47,447
2007	10,073	8,624	1.91	3.66	50,861
2008	13,317	10,958	1.69	3.56	61,532
2009	4,689	11,234	1.74	3.43	46,662
2010	9,766	12,382	1.46	3.52	57,903
2011	8,162	11,637	1.52	3.54	53,638
2012	5,095	11,434	1.74	3.63	50,376
2013	4,623	11,013	1.96	3.77	50,614
2014	5,018	10,791	1.78	3.86	50,561
2015	5,548	16,865	2.19	3.38	69,115
Other flowering					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars per pot</i>	<i>Dollars per pot</i>	<i>1,000 dollars</i>
2006	23,220	27,703	2.01	3.77	151,158
2007	27,176	36,862	2.09	4.51	223,111
2008	22,529	31,482	2.10	4.91	201,962
2009	19,531	29,173	2.13	4.62	176,570
2010	17,162	25,695	2.71	5.00	175,006
2011	24,663	21,896	1.88	5.36	163,903
2012	22,670	25,625	2.57	5.99	211,766
2013	24,868	26,835	2.67	5.87	223,931
2014	25,569	32,190	2.70	5.29	239,162
2015	23,575	29,889	1.93	5.99	224,335

¹ Equivalent wholesale value of all sales except for potted foliage which is value of sales less cost of plant material purchased from other growers for growing on. ² Beginning in 2006, program was reduced to 15 States from 36. NASS, Crops Branch, (202) 720-2127.

Table 5-97.—Annual Bedding and Garden Hanging Baskets: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Quantity sold	Wholesale price	Value of sales at wholesale ¹	Quantity sold	Wholesale price	Value of sales at wholesale ¹
	Begonias			Geraniums from vegetative cuttings		
	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	3,199	5.97	19,091	3,285	6.75	22,186
2007	1,701	5.76	9,796	3,296	6.87	22,640
2008	1,707	5.80	9,899	3,056	7.32	22,366
2009	1,531	5.84	8,944	3,564	7.44	26,523
2010	1,650	5.96	9,839	3,753	7.10	26,659
2011	1,622	5.99	9,723	3,561	7.13	25,390
2012	1,823	5.94	10,830	3,280	7.49	24,562
2013	2,016	6.33	12,770	3,126	7.39	23,113
2014	1,849	6.00	11,089	3,320	7.56	25,089
2015	1,960	6.25	12,250	3,310	7.43	24,586
	Geraniums from seeds			Impatiens, Other		
	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	246	6.03	1,483	2,846	5.19	14,761
2007	316	5.63	1,778	2,597	5.22	13,548
2008	267	6.05	1,616	2,375	5.29	12,561
2009	455	5.95	2,708	2,098	5.79	12,146
2010	286	7.01	2,005	2,534	5.63	14,260
2011	337	6.61	2,227	2,385	5.72	13,639
2012	475	6.56	3,115	2,479	5.44	13,494
2013	415	7.28	3,020	2,065	5.33	11,015
2014	460	7.46	3,432	2,021	5.32	10,750
2015	438	7.39	3,237	2,098	5.45	11,432
	New Guinea Impatiens			Marigolds		
	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	3,174	6.81	21,624	162	6.41	1,039
2007	2,987	6.96	20,797	184	6.08	1,118
2008	2,668	7.23	19,280	202	6.30	1,272
2009	2,556	7.09	18,122	55	6.33	348
2010	2,615	7.11	18,581	83	6.01	499
2011	2,456	7.14	17,526	77	5.77	444
2012	2,380	7.32	17,420	87	4.92	428
2013	2,254	7.37	16,613	117	4.38	513
2014	2,294	7.31	16,764	137	5.88	805
2015	2,388	7.39	17,637	139	5.99	833
	Pansies/Violas			Petunias		
	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	510	5.15	2,625	3,673	5.74	21,081
2007	694	5.02	3,485	4,011	5.99	24,017
2008	695	5.20	3,612	3,969	5.98	23,752
2009	1,077	5.43	5,848	4,186	6.38	26,711
2010	911	5.59	5,091	5,066	6.16	31,225
2011	941	5.83	5,483	5,047	6.29	31,767
2012	1,096	5.75	6,299	5,028	6.21	31,240
2013	1,085	5.62	6,096	4,986	6.11	30,459
2014	1,182	5.92	7,002	5,557	6.28	34,906
2015	1,111	6.23	6,920	5,294	6.27	33,196
	Other flowering hanging baskets and foliar					
	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006		14,910		6.22		92,736
2007		15,153		6.95		105,330
2008		14,718		6.92		101,856
2009		14,451		7.36		106,323
2010		13,483		7.67		103,399
2011		12,759		7.56		96,500
2012		14,865		7.33		109,030
2013		14,797		7.73		114,409
2014		13,259		8.23		109,117
2015		15,269		7.67		117,065

¹ Equivalent wholesale value of all sales. NASS, Crops Branch, (202) 720-2127.

Table 5-98.—Annual bedding garden plants flats: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Quantity sold	Wholesale price	Value of sales at wholesale ¹	Quantity sold	Wholesale price	Value of sales at wholesale ¹
	Begonias			Geraniums from vegetative cuttings		
	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	4,947	8.17	40,429	520	11.54	5,999
2007	4,094	8.17	33,444	417	12.32	5,138
2008	4,360	8.49	36,999	396	12.57	4,979
2009	4,055	8.75	35,490	353	15.09	5,326
2010	4,218	8.13	34,313	306	13.12	4,015
2011	3,983	7.97	31,738	264	14.08	3,716
2012	3,865	8.56	33,005	237	13.57	3,215
2013	3,758	8.15	30,640	325	11.65	3,785
2014	3,970	8.62	34,208	252	14.03	3,535
2015	3,819	8.33	31,813	248	12.83	3,182
	Geraniums from seeds			Impatiens, other		
	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	398	10.99	4,373	9,884	7.77	76,771
2007	380	11.54	4,387	8,915	8.11	72,320
2008	384	11.00	4,223	8,547	8.52	72,815
2009	424	9.23	3,915	7,973	8.67	69,093
2010	465	10.29	4,784	8,641	8.24	71,160
2011	332	10.62	3,526	8,353	7.96	66,519
2012	394	9.81	3,866	6,852	9.08	62,230
2013	475	7.51	3,565	5,055	8.17	41,300
2014	372	9.26	3,445	4,775	8.38	40,034
2015	425	8.07	3,431	4,404	8.78	38,647
	New Guinea Impatiens			Marigolds		
	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	305	10.14	3,093	4,032	8.13	32,788
2007	243	11.09	2,696	3,694	8.39	31,001
2008	218	11.55	2,518	3,933	8.69	34,190
2009	290	10.77	3,124	3,976	8.98	35,713
2010	276	9.69	2,675	4,100	8.89	36,444
2011	190	10.56	2,006	3,884	8.45	32,807
2012	226	9.86	2,229	3,436	8.49	29,188
2013	335	10.01	3,355	3,488	8.24	28,733
2014	625	9.84	6,148	3,671	8.36	30,706
2015	368	9.76	3,592	3,587	8.20	29,425
	Pansies/Violas			Petunias		
	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	8,238	8.03	66,168	7,349	8.12	59,682
2007	8,047	8.33	67,050	7,023	8.52	59,808
2008	8,169	8.82	72,036	7,402	8.80	65,129
2009	7,430	9.15	67,957	7,006	9.32	65,317
2010	7,538	8.88	66,916	7,448	8.92	66,404
2011	7,266	8.66	62,936	7,227	8.56	61,891
2012	7,343	9.02	66,245	6,667	8.64	57,618
2013	6,369	8.94	56,926	6,581	8.36	55,034
2014	7,272	8.45	61,441	6,896	9.11	62,822
2015	6,297	8.91	56,113	6,448	8.76	56,509
	Other flowering and foliar plants			Vegetable type plants		
	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	25,652	8.02	205,649	4,776	9.55	45,604
2007	21,350	8.70	185,788	4,135	9.39	38,822
2008	19,441	9.00	175,027	4,545	10.25	46,573
2009	16,331	9.45	154,342	5,025	10.53	52,911
2010	17,898	9.40	168,261	4,862	10.20	49,603
2011	17,836	9.50	169,484	5,102	10.53	53,740
2012	16,934	9.10	154,089	6,297	9.64	60,714
2013	16,275	8.71	141,740	4,998	10.18	50,858
2014	14,788	9.38	138,683	4,861	10.82	52,616
2015	14,811	8.87	131,358	5,453	10.60	57,808

¹ Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720-2127.

Table 5-99.—Potted annual bedding and garden plants: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Quantity sold		Wholesale price		Value of sales at wholesale ¹
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
Begonias					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	19,939	4,387	0.85	2.28	27,004
2007	16,748	3,683	0.84	2.06	21,645
2008	16,481	4,296	0.91	2.17	24,293
2009	17,821	3,272	0.86	2.34	22,907
2010	14,709	3,163	0.92	2.22	20,617
2011	14,763	3,374	0.91	2.24	20,973
2012	15,837	3,323	0.91	2.40	22,340
2013	18,296	4,118	0.94	2.58	27,922
2014	16,901	3,619	1.02	2.48	26,248
2015	16,853	4,757	1.05	2.82	31,023
Geraniums from cuttings					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	23,991	12,246	1.58	3.29	78,244
2007	22,785	13,253	1.66	3.35	82,364
2008	23,094	13,050	1.76	3.35	84,300
2009	22,985	14,209	1.79	3.18	86,303
2010	23,339	13,431	1.81	3.54	89,770
2011	21,156	12,844	1.85	3.57	85,031
2012	21,563	13,560	1.85	3.38	85,842
2013	20,429	11,554	1.88	3.62	80,293
2014	21,093	11,119	1.93	3.70	81,970
2015	19,821	11,724	1.92	3.66	80,989
Geraniums from seed					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	31,377	456	0.81	2.20	26,545
2007	28,897	343	0.83	2.86	25,071
2008	25,114	367	0.87	3.31	23,186
2009	24,622	495	0.92	2.78	23,923
2010	18,748	1,248	1.03	4.67	25,097
2011	23,673	1,648	0.93	5.20	30,680
2012	16,449	728	0.88	3.42	16,988
2013	17,825	393	1.12	3.49	21,604
2014	17,230	340	1.11	4.06	20,552
2015	13,336	1,119	1.00	3.58	17,297
Other impatiens					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	23,555	5,804	0.73	1.87	28,130
2007	19,575	5,575	0.81	1.69	25,267
2008	20,606	4,973	0.78	1.91	25,663
2009	21,923	5,075	0.76	1.87	26,065
2010	21,955	4,033	0.77	2.43	26,702
2011	20,480	4,220	0.77	2.25	25,334
2012	13,941	4,834	0.82	2.11	21,678
2013	8,825	3,629	0.94	1.90	15,245
2014	7,115	3,776	0.95	1.88	13,880
2015	6,754	3,614	1.00	2.25	14,911
New guinea impatiens					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	12,411	5,404	1.49	2.97	34,498
2007	11,885	4,735	1.58	2.83	32,180
2008	12,630	4,283	1.57	3.18	33,459
2009	12,439	3,834	1.59	3.25	32,177
2010	10,919	3,961	1.50	3.28	29,376
2011	9,794	3,658	1.59	3.44	28,130
2012	11,640	4,236	1.47	3.27	30,956
2013	13,325	4,045	1.51	3.46	34,105
2014	12,971	4,160	1.59	3.39	34,762
2015	12,864	4,024	1.52	3.63	34,158

See footnote(s) at end of table.

Table 5-99.—Potted annual bedding and garden plants: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015—Continued

Year	Quantity sold		Wholesale price		Value of sales at wholesale ¹
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
Marigolds					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	7,928	2,207	0.69	1.79	9,392
2007	8,372	2,150	0.68	1.59	9,125
2008	7,600	1,704	0.72	1.61	8,185
2009	8,837	1,826	0.78	1.76	10,124
2010	7,901	2,463	0.76	1.88	10,621
2011	7,180	2,272	0.81	1.82	9,947
2012	8,871	1,792	0.79	2.10	10,762
2013	8,637	1,819	0.80	2.09	10,688
2014	9,264	1,273	0.97	2.32	11,922
2015	9,100	1,745	0.97	2.14	12,596
Pansies/violas					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	27,824	7,144	0.80	1.75	34,615
2007	28,021	6,145	0.74	2.13	33,788
2008	25,980	5,989	0.75	2.09	31,966
2009	27,054	5,529	0.74	2.06	31,363
2010	23,394	6,159	0.80	2.02	31,035
2011	24,573	6,130	0.80	2.12	32,692
2012	23,416	6,918	0.81	2.19	34,078
2013	21,953	6,155	0.86	2.19	32,308
2014	22,813	6,273	0.86	2.17	33,116
2015	23,029	6,418	0.89	2.17	34,518
Petunias					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	13,630	8,106	0.91	2.04	28,894
2007	18,551	6,935	0.98	2.37	34,558
2008	16,310	6,796	1.01	2.27	31,852
2009	18,088	7,527	0.98	2.20	34,301
2010	19,152	9,142	1.07	2.11	39,732
2011	18,212	8,843	1.12	2.07	38,629
2012	20,830	8,651	1.14	2.30	43,546
2013	18,713	8,251	1.23	2.64	44,844
2014	17,627	7,763	1.27	2.70	43,273
2015	17,664	7,815	1.28	2.68	43,536
Other flowering and foliar plants					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	110,614	57,880	1.09	2.73	278,296
2007	117,723	50,605	1.13	3.08	288,890
2008	108,251	55,789	1.20	2.65	278,250
2009	93,289	48,271	1.18	3.06	257,709
2010	104,633	57,937	1.26	3.04	301,479
2011	108,661	54,133	1.25	2.96	296,030
2012	127,328	64,961	1.20	3.02	348,961
2013	111,363	50,025	1.32	3.30	309,160
2014	98,436	45,668	1.35	3.33	284,313
2015	106,082	47,534	1.38	3.39	307,799
Vegetable type plants ²					
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	18,507	4,410	0.96	2.19	27,374
2007	27,676	3,874	1.01	2.22	36,668
2008	35,998	7,497	1.06	2.49	56,697
2009	38,534	12,794	1.07	2.51	73,307
2010	38,453	14,155	1.12	2.64	80,411
2011	40,176	7,478	1.29	3.19	75,761
2012	31,100	12,211	1.22	2.98	74,478
2013	31,816	10,057	1.24	3.16	71,249
2014	44,491	10,531	1.47	3.21	99,356
2015	36,402	8,174	1.33	2.73	70,721

¹ Equivalent wholesale value of all sales. ² Does not include vegetable transplants grown for use in commercial vegetable production.
NASS, Crops Branch, (202) 720-2127.

Table 5-100.—Potted herbaceous perennial plants: Sales and wholesale value for operations with \$100,000+ sales, Surveyed States, 2006–2015

Year	Quantity sold		Wholesale price		Value of sales at wholesale ¹		
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more			
Hardy/Garden Chrysanthemums							
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>		
2006	10,545	40,303	0.99	2.31	103,656		
2007	9,763	35,148	1.06	2.66	103,831		
2008	9,217	34,689	1.10	2.61	100,868		
2009	8,049	35,833	1.25	2.81	110,747		
2010	11,352	34,531	1.10	2.93	113,620		
2011	11,962	36,634	1.03	2.77	113,747		
2012	13,327	35,792	1.03	3.08	124,097		
2013	15,558	33,176	1.08	2.89	112,552		
2014	14,727	33,907	1.04	3.08	119,888		
2015	9,326	37,885	1.12	2.99	123,677		
Hosta							
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	1,724	6,661	399	2.10	3.25	6.66	27,924
2007	4,374	6,589	271	1.74	3.50	7.69	32,723
2008	4,451	6,793	173	1.91	3.43	9.10	33,391
2009	4,279	6,340	582	2.15	3.36	6.47	34,283
2010	1,448	6,783	337	2.11	3.26	7.54	27,704
2011	2,112	6,270	281	2.27	3.19	8.53	27,195
2012	2,365	5,535	363	2.34	3.40	8.04	27,240
2013	2,511	5,898	382	2.64	3.39	7.98	29,671
2014	5,362	3,870	398	2.73	3.75	7.78	32,242
2015	5,195	4,419	419	2.70	3.92	8.35	34,869
Other Herbaceous Perennials							
	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2006	49,602	85,660	5,075	1.55	3.14	6.97	381,511
2007	68,640	69,843	6,442	1.71	3.33	6.84	394,407
2008	65,928	74,574	7,533	1.59	3.43	6.65	410,867
2009	50,229	80,234	4,975	1.68	3.42	6.92	392,847
2010	53,613	86,180	6,257	1.63	3.38	7.11	423,266
2011	56,970	83,944	5,459	1.75	3.35	7.43	421,276
2012	56,936	65,596	10,001	1.77	3.78	7.33	422,282
2013	62,721	72,430	6,983	1.90	3.90	8.41	460,375
2014	62,508	60,111	5,823	2.19	3.90	8.47	420,547
2015	57,666	62,449	4,271	2.17	4.01	8.75	412,866

¹ Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720-2127.

Table 5-101.—Floriculture: Number of Producers and Area Used for Production by Type of Cover, operations with \$10,000+ sales, 15 Program States: 2014–2015

State	Total number of producers		Glass greenhouses		Fiberglass and other rigid greenhouses		Film plastic (single/multi) greenhouses	
	2014	2015	2014	2015	2014	2015	2014	2015
	<i>Number</i>	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>
California	667	685	12,355	10,748	38,399	30,042	70,359	63,989
Florida	721	710	4,061	3,054	9,918	8,159	39,376	40,460
Hawaii	312	301	(D)	(D)	(D)	(D)	3,191	2,873
Illinois	255	273	3,301	2,966	1,899	2,249	10,425	9,389
Maryland	146	153	1,338	1,644	984	1,375	5,616	6,255
Michigan	510	556	3,722	3,458	3,614	3,773	40,495	39,047
New Jersey	272	273	5,458	4,675	1,057	1,031	19,328	17,530
New York	568	615	4,103	3,816	1,551	1,223	15,547	15,721
North Carolina	279	294	6,780	6,652	451	529	15,650	14,459
Ohio	397	472	7,667	8,860	1,881	1,767	17,267	16,005
Oregon	265	283	2,544	2,835	2,677	2,691	12,715	13,335
Pennsylvania	647	727	2,497	2,585	3,923	3,808	13,796	14,566
South Carolina	72	72	(D)	(D)	(D)	(D)	2,945	2,821
Texas	255	251	1,204	1,361	3,822	3,696	32,030	28,052
Washington	240	248	2,221	2,317	859	1,099	7,986	6,702
Other States ..	-	-	280	27	1,770	1,704	-	-
15 State total	5,606	5,913	57,531	54,998	72,805	63,146	306,726	291,204
State	Total greenhouse cover		Shade and temporary cover		Total covered area		Open ground ²	
	2014	2015	2014	2015	2014	2015	2014	2015
	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>Acres</i>	<i>Acres</i>
California	121,113	104,779	30,347	37,148	151,460	141,927	11,640	9,399
Florida	53,355	51,673	261,588	289,184	314,943	340,857	6,145	6,853
Hawaii	(D)	(D)	(D)	(D)	19,288	17,940	973	914
Illinois	15,625	14,604	733	664	16,358	15,268	6,223	4,272
Maryland	7,938	9,274	479	360	8,417	9,634	3,231	618
Michigan	47,831	46,278	610	711	48,441	46,989	7,197	2,063
New Jersey	25,843	23,236	364	493	26,207	23,729	4,635	4,826
New York	21,201	20,760	341	433	21,542	21,193	1,792	722
North Carolina	22,881	21,640	1,558	1,244	24,439	22,884	1,752	912
Ohio	26,815	26,632	496	956	27,311	27,588	4,039	385
Oregon	17,936	18,861	5,210	2,275	23,146	21,136	5,359	3,903
Pennsylvania	20,216	20,959	592	262	20,808	21,221	1,681	778
South Carolina	(D)	(D)	(D)	(D)	5,821	5,921	490	396
Texas	37,056	33,109	12,571	6,485	49,627	39,594	2,981	1,215
Washington	11,066	10,118	287	917	11,353	11,035	2,939	2,786
Other States ¹	8,186	7,425	16,923	16,436	-	-	-	-
15 State total	437,062	409,348	332,099	357,568	769,161	766,916	61,077	40,042

- Represents zero. (D) Withheld to avoid disclosure of individual operations. ¹ Includes data withheld above. ² Totals may not add due to rounding.
 NASS, Crops Branch, (202) 720-2127.

Table 5-102.—Floriculture Crops: Wholesale value of sales by category - 15 Program States, operations with \$100,000+ sales: 2014–2015

State	Annual bedding/ garden plants ¹		Herbaceous perennial plants		Total bedding/ garden plants ¹	
	2014	2015	2014	2015	2014	2015
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
California	200,642	193,209	79,225	72,361	279,867	265,570
Florida	104,133	96,402	41,042	37,023	145,175	133,425
Hawaii	2,469	2,199	1,605	1,587	4,074	3,786
Illinois	46,655	38,595	37,558	25,619	84,213	64,214
Maryland	59,937	64,704	23,407	37,527	83,344	102,231
Michigan	208,640	208,727	64,958	61,939	273,598	270,666
New Jersey	70,884	77,016	45,215	56,641	116,099	133,657
New York	77,277	86,189	27,438	24,608	104,715	110,797
North Carolina	135,076	140,596	36,047	42,873	171,123	183,469
Ohio	76,725	81,126	46,232	51,844	122,957	132,970
Oregon	49,722	52,586	29,401	30,667	79,123	83,253
Pennsylvania	72,949	67,574	17,648	22,593	90,597	90,167
South Carolina	6,620	8,036	45,833	46,786	52,453	54,822
Texas	134,703	136,112	38,232	32,118	172,935	168,230
Washington	55,552	33,511	38,836	27,226	94,388	60,737
15 State total	1,301,984	1,286,582	572,677	571,412	1,874,661	1,857,994

State	Potted flowering plants		Foliage plants for indoor or patio use		Cut flowers	
	2014	2015	2014	2015	2014	2015
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
California	290,194	273,537	116,949	114,599	284,799	293,737
Florida	199,831	201,212	444,710	543,447	3,358	2,289
Hawaii	15,031	15,079	8,694	9,612	6,254	7,014
Illinois	13,015	23,875	1,373	1,121	1,424	1,103
Maryland	4,240	7,060	(D)	(D)	(D)	470
Michigan	37,397	31,147	6,411	6,305	5,359	5,312
New Jersey	36,074	29,368	(D)	(D)	12,711	14,675
New York	28,326	29,537	(D)	(D)	1,018	885
North Carolina	32,093	27,545	(D)	(D)	3,844	4,981
Ohio	59,642	68,163	7,465	4,207	(D)	(D)
Oregon	16,092	14,809	(D)	1,170	13,724	13,350
Pennsylvania	29,910	44,954	(D)	(D)	8,407	(D)
South Carolina	8,766	8,221	(D)	(D)	(D)	(D)
Texas	29,322	27,165	12,232	(D)	(D)	(D)
Washington	10,012	7,988	849	(D)	20,897	20,457
Other States ²	-	-	24,199	33,228	1,659	10,045
15 State total	809,945	809,660	622,882	713,689	363,454	374,318

State	Cut cultivated greens		Propagative floriculture material		Total wholesale value of all plant categories ³	
	2014	2015	2014	2015	2014	2015
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
California	(D)	15,762	(D)	107,076	1,064,283	1,070,281
Florida	59,775	61,080	67,080	86,828	919,929	1,028,281
Hawaii	420	323	1,461	1,352	35,934	37,166
Illinois	(D)	-	(D)	1,359	102,812	91,672
Maryland	(D)	-	9,340	(D)	97,466	111,163
Michigan	(D)	(D)	(D)	(D)	405,644	398,113
New Jersey	(D)	(D)	(D)	18,271	186,353	197,001
New York	(D)	(D)	(D)	16,522	153,344	160,167
North Carolina	-	-	(D)	(D)	225,006	234,168
Ohio	-	-	(D)	(D)	195,522	210,102
Oregon	(D)	2,465	8,692	14,292	124,336	129,339
Pennsylvania	(D)	(D)	(D)	(D)	152,954	169,962
South Carolina	-	-	-	(D)	61,353	63,199
Texas	(D)	(D)	8,387	(D)	223,590	216,429
Washington	32	(D)	13,263	21,920	139,441	112,761
Other States ²	12,956	796	235,619	126,097	-	-
15 State total	73,183	80,426	343,842	393,717	4,087,967	4,229,804

- Represents zero. (D) Withheld to avoid disclosure of individual operations. ¹ Includes Annual Bedding Plants and Herbaceous Perennials. ² Includes data withheld above. ³ State total wholesale value excludes plant category values denoted by (D).
 NASS, Crops Branch, (202) 720-2127.

Table 5-103.—Fruit and orange juice: Cold storage holdings, end of month, United States, 2016–2017

Month	Apples		Apricots		Blackberries, IQF		Blackberries, pails & tubs	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	38,707	37,963	4,319	6,506	18,946	18,532	1,341	2,114
February	37,994	36,919	3,804	4,103	17,513	16,980	1,345	1,409
March	37,761	38,679	3,434	3,163	17,081	15,269	1,153	1,513
April	39,147	44,495	2,968	2,848	14,708	14,755	1,158	1,382
May	38,682	40,049	3,301	2,279	13,849	12,268	1,421	1,535
June	39,040	37,418	11,086	11,696	27,700	12,541	1,911	1,488
July	36,171	34,995	16,226	11,048	31,684	21,214	1,823	1,424
August	32,361	34,475	13,454	8,512	31,524	22,190	1,618	1,439
September ...	29,104	29,471	11,690	7,335	28,873	20,717	1,383	1,483
October	28,198	26,836	9,998	6,098	26,766	18,618	1,215	1,607
November	32,407	29,408	8,958	5,506	22,165	17,320	1,739	1,661
December	34,929	32,007	8,456	4,873	20,906	16,208	1,725	1,724
Month	Blackberries, barrels		Blackberries, concentrate		Blackberries, total		Blueberries	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	3,372	8,043	798	851	24,457	29,540	211,459	241,947
February	4,257	7,904	637	690	23,752	26,983	191,351	223,211
March	4,369	6,715	405	654	23,008	24,151	164,927	195,417
April	4,017	6,355	413	655	20,296	23,147	154,142	184,367
May	3,484	6,590	377	563	19,131	20,956	145,414	157,140
June	6,427	7,363	335	693	36,373	22,085	157,928	147,915
July	9,895	13,494	483	781	43,885	36,913	260,675	197,723
August	9,422	10,241	766	837	43,330	34,707	315,436	276,632
September ...	7,939	8,669	516	734	38,711	31,603	332,379	266,423
October	7,344	6,792	785	1,007	36,110	28,024	308,554	256,727
November	8,510	6,618	720	1,083	33,134	26,682	294,135	230,843
December	8,425	5,326	697	1,191	31,753	24,449	268,895	222,060
Month	Boysenberries		Cherries, Tart (RTP)		Cherries, Sweet		Grapes	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	842	1,499	113,844	131,911	17,920	20,042	2,626	1,290
February	714	1,444	102,584	121,549	16,287	20,301	2,286	1,166
March	617	1,208	91,204	111,923	16,745	18,044	1,825	1,371
April	555	978	81,431	102,192	15,021	16,530	1,309	1,368
May	728	843	72,293	93,736	14,314	13,998	1,118	2,281
June	1,672	869	63,925	83,809	14,104	10,511	1,199	2,392
July	2,032	1,224	173,739	155,363	22,800	16,605	933	2,790
August	1,551	852	196,001	166,554	26,433	20,305	903	2,764
September ...	1,945	721	184,839	158,660	25,383	20,977	881	3,031
October	1,926	665	174,878	154,858	24,069	20,736	923	3,155
November	1,733	768	156,973	142,281	21,616	19,546	1,440	2,897
December	1,713	585	142,913	134,946	20,350	17,801	1,129	2,977
Month	Peaches		Raspberries, Black		Red Raspberries, IQF		Red Raspberries, pails & tubs	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	68,463	74,285	1,303	1,047	29,029	29,657	6,708	6,498
February	62,266	69,924	1,227	960	27,029	27,875	6,485	5,669
March	54,489	64,477	1,131	1,012	23,779	24,868	6,411	5,273
April	52,746	58,878	1,122	1,021	23,077	22,982	6,403	4,799
May	49,601	53,696	1,065	870	21,914	19,910	6,370	4,795
June	48,346	53,066	3,149	911	32,675	16,999	9,373	4,017
July	62,290	62,003	2,381	2,015	47,350	39,775	11,390	8,718
August	83,003	83,564	1,625	1,995	44,551	43,714	10,934	8,662
September ...	93,794	87,901	1,633	1,905	41,603	41,073	9,833	7,167
October	91,530	85,238	1,455	1,584	39,838	35,904	8,866	7,281
November	88,731	84,813	1,340	1,590	36,760	36,458	8,012	7,251
December	81,881	76,686	1,281	1,498	33,274	34,781	7,040	7,216

See footnotes(s) at end of table.

Table 5-103.—Fruit and orange juice: Cold storage holdings, end of month, United States, 2016 and 2017—Continued

Month	Red Raspberries, barrels		Red Raspberries, concentrate		Red Raspberries, total		Strawberries, IQF & Poly	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	12,696	21,857	1,692	3,263	50,125	61,275	86,379	116,982
February	11,255	18,119	1,708	3,109	46,477	54,772	82,349	103,960
March	9,813	15,770	1,899	2,984	41,902	48,895	103,099	112,436
April	8,893	13,456	2,208	2,911	40,581	44,148	119,125	119,276
May	7,816	12,400	2,134	2,559	38,234	39,664	130,675	139,991
June	20,937	10,964	2,398	1,838	65,383	33,818	166,144	154,949
July	38,844	32,655	3,973	2,723	101,557	83,871	169,441	180,463
August	34,211	38,161	3,740	2,647	93,436	93,184	162,930	175,360
September ...	30,940	38,007	3,714	1,058	86,090	87,305	160,086	168,268
October	28,914	36,109	3,424	1,361	81,042	80,655	150,590	149,453
November	28,984	34,380	2,287	1,293	76,043	79,382	131,881	136,248
December	25,420	32,424	2,654	1,193	68,388	75,614	120,244	122,244
Month	Strawberries, pails & tubs		Strawberries, barrels & drums		Strawberries, juice stock		Strawberries, total	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	69,810	84,344	43,488	61,185	8,597	27,111	208,274	289,622
February	62,173	83,362	35,454	57,265	10,156	29,560	190,132	274,147
March	57,614	67,296	32,167	50,287	10,904	25,959	203,784	255,978
April	57,702	65,884	35,856	56,192	12,842	24,854	225,525	266,206
May	70,711	78,498	51,565	69,293	11,489	24,462	264,440	312,244
June	113,274	94,329	96,889	82,286	14,374	26,064	390,681	357,628
July	111,233	109,452	98,242	97,989	17,800	23,337	396,716	411,241
August	107,060	121,832	85,352	84,789	21,814	20,914	377,156	402,915
September ...	108,040	108,110	82,540	70,672	25,369	16,492	376,035	363,542
October	107,916	101,259	81,176	66,590	28,257	15,748	367,939	333,050
November	99,560	98,398	73,838	60,415	26,110	14,290	331,389	309,351
December	93,606	90,885	67,580	54,950	23,397	12,997	304,827	281,076
Month	Other fruit		Total frozen fruit		Orange juice			
	2016	2017	2016	2017	2016	2017		
<i>1,000 pounds</i>								
January	603,399	764,821	1,349,433	1,673,422	623,032	503,356		
February	557,741	738,926	1,240,380	1,585,755	633,403	506,275		
March	521,065	665,196	1,165,357	1,439,934	701,951	517,057		
April	525,633	604,047	1,163,726	1,360,506	751,391	542,175		
May	489,438	543,809	1,140,964	1,290,956	772,459	575,365		
June	473,450	491,595	1,309,154	1,262,782	766,485	544,443		
July	483,812	502,270	1,611,211	1,530,292	710,973	505,491		
August	464,629	493,106	1,658,529	1,633,134	653,114	471,509		
September ...	514,081	515,569	1,707,938	1,585,809	603,140	495,648		
October	853,189	700,422	1,993,879	1,707,834	579,922	493,531		
November	872,413	709,259	1,933,950	1,650,332	519,550	468,090		
December	808,397	666,624	1,788,910	1,547,787	516,588	505,077		

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Table 5-104.—Nuts, Pecans: Cold storage holdings, end of month, United States, 2016-2017

Month	Pecans			
	Shelled		In-shell	
	2016	2017	2016	2017
	<i>1,000 pounds</i>		<i>1,000 pounds</i>	
January	40,996	39,821	167,749	195,588
February	46,887	44,708	188,629	203,931
March	48,876	48,213	180,042	182,828
April	52,520	52,640	151,657	158,509
May	51,347	51,084	124,904	133,144
June	52,160	53,941	97,526	106,529
July	51,153	55,313	75,348	85,068
August	46,837	56,911	53,628	63,032
September	39,126	53,112	40,164	34,405
October	37,541	46,475	25,276	23,686
November	34,388	41,564	74,562	43,018
December	36,899	44,036	130,490	95,912

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CHAPTER VI
STATISTICS OF HAY, SEEDS, AND MINOR FIELD CROPS

Chapter VI deals with hay, pasture, seeds, and various minor field crops.

Table 6-1.—Hay, all: Area, yield, and production, by State and United States, 2015–2017

State	Area harvested			Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Alabama	730	810	860	2.80	2.10	2.50	2,044	1,701	2,150
Arizona	335	315	315	7.99	8.18	7.94	2,678	2,576	2,502
Arkansas	1,125	1,204	1,163	2.00	2.00	2.00	2,254	2,414	2,331
California	1,190	1,220	1,100	5.79	5.57	5.48	6,891	6,790	6,028
Colorado	1,450	1,380	1,440	2.96	2.59	2.85	4,295	3,570	4,104
Connecticut	53	45	47	1.89	1.93	2.34	100	87	110
Delaware	14	17	18	3.14	3.06	3.28	44	52	59
Florida	290	300	300	2.80	2.70	2.50	812	810	750
Georgia	570	600	620	2.50	2.30	2.90	1,425	1,380	1,798
Idaho	1,330	1,330	1,430	3.65	3.85	3.59	4,860	5,126	5,128
Illinois	490	480	490	3.13	3.12	3.32	1,533	1,497	1,626
Indiana	560	500	580	2.96	3.56	2.82	1,656	1,781	1,635
Iowa	1,160	910	1,080	3.40	3.53	3.10	3,939	3,210	3,348
Kansas	2,450	2,600	2,670	2.40	2.40	2.26	5,890	6,240	6,042
Kentucky	2,370	2,250	2,150	2.40	2.48	2.48	5,689	5,580	5,325
Louisiana	430	380	370	2.50	2.90	2.60	1,075	1,102	962
Maine	135	140	131	2.02	1.88	2.04	273	263	267
Maryland	215	215	205	2.47	2.68	2.73	532	576	559
Massachusetts	92	92	96	1.73	1.57	1.85	159	144	178
Michigan	970	870	900	2.68	2.71	2.38	2,604	2,357	2,143
Minnesota	1,570	1,520	1,380	2.53	2.92	2.81	3,979	4,440	3,884
Mississippi	680	640	610	2.30	2.20	2.40	1,564	1,408	1,464
Missouri	2,960	2,830	3,000	2.16	2.14	2.00	6,398	6,066	5,985
Montana	2,500	2,650	2,550	1.87	1.94	1.91	4,680	5,130	4,880
Nebraska	2,700	2,450	2,630	2.36	2.35	2.34	6,360	5,748	6,159
Nevada	320	330	360	3.44	3.34	3.22	1,100	1,102	1,160
New Hampshire	48	53	47	2.04	1.96	1.64	98	104	77
New Jersey	102	114	115	1.76	1.88	2.19	180	214	252
New Mexico	280	275	280	3.90	3.71	4.04	1,091	1,019	1,130
New York	1,230	1,360	1,320	1.99	1.68	2.11	2,449	2,285	2,790
North Carolina	777	687	653	2.40	2.31	2.30	1,868	1,587	1,503
North Dakota	2,750	2,500	2,650	1.81	1.72	1.35	4,975	4,305	3,580
Ohio	1,080	970	1,060	2.34	2.54	2.42	2,532	2,466	2,567
Oklahoma	3,020	3,010	2,980	1.96	1.94	2.01	5,914	5,838	5,998
Oregon	1,060	1,130	1,100	2.90	3.44	3.11	3,072	3,891	3,418
Pennsylvania	1,290	1,350	1,470	2.33	2.33	2.63	3,010	3,150	3,872
Rhode Island	6	7	6	2.33	1.29	2.00	14	9	12
South Carolina	300	320	260	2.00	2.10	2.60	600	672	676
South Dakota	3,400	3,100	3,100	1.94	1.77	1.54	6,580	5,500	4,785
Tennessee	1,765	1,815	1,715	2.21	2.16	2.31	3,901	3,924	3,966
Texas	4,730	4,830	4,800	2.05	2.58	2.16	9,720	12,439	10,350
Utah	670	700	700	3.67	3.71	3.69	2,459	2,600	2,583
Vermont	145	190	180	1.94	1.91	2.63	281	363	474
Virginia	1,175	1,215	1,205	2.25	2.34	2.36	2,645	2,847	2,838
Washington	750	840	740	3.81	3.98	4.02	2,856	3,343	2,973
West Virginia	590	587	588	1.75	1.84	1.83	1,035	1,079	1,078
Wisconsin	1,510	1,330	1,250	2.70	2.95	2.78	4,073	3,926	3,477
Wyoming	1,080	1,020	1,070	2.14	2.24	2.32	2,315	2,284	2,479
United States	54,447	53,481	53,784	2.47	2.52	2.44	134,502	134,995	131,455

NASS, Crops Branch, (202) 720–2127.

Table 6-2.—Hay, all: Area, yield, production, and value, United States, 2008–2017

Year	Area harvested	Yield per acre	Production	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>Dollars</i>	<i>1,000 dollars</i>
2008	60,152	2.43	146,270	152.00	18,638,748
2009	59,775	2.47	147,700	108.00	14,715,559
2010	59,574	2.43	145,000	114.00	14,606,696
2011	55,204	2.35	129,880	178.00	18,085,074
2012	54,653	2.14	117,072	191.00	18,613,183
2013	57,897	2.33	135,002	176.00	19,814,822
2014	57,062	2.45	139,923	172.00	19,099,238
2015	54,447	2.47	134,502	145.00	16,548,834
2016	53,481	2.52	134,995	129.00	15,552,186
2017	53,784	2.44	131,455	140.00	16,155,081

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Table 6-3.—Alfalfa and alfalfa mixtures for hay: Area, yield, and production, by State and United States, 2015–2017

State	Area harvested			Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Arizona	300	280	275	8.40	8.60	8.40	2,520	2,408	2,310
Arkansas	5	4	3	2.70	3.60	3.60	14	14	11
California	790	720	660	6.90	7.00	6.80	5,451	5,040	4,488
Colorado	700	680	720	4.10	3.50	3.90	2,870	2,380	2,808
Connecticut	7	5	7	1.80	2.10	2.60	13	11	18
Delaware	4	5	6	2.70	2.80	3.90	11	14	23
Idaho	1,000	1,000	1,060	4.20	4.40	4.00	4,200	4,400	4,240
Illinois	230	230	220	3.50	3.90	4.20	805	897	924
Indiana	230	210	270	3.90	4.20	3.30	897	882	891
Iowa	770	550	720	3.90	4.20	3.50	3,003	2,310	2,520
Kansas	650	700	570	3.80	4.30	3.60	2,470	3,010	2,052
Kentucky	170	150	150	3.70	3.60	3.50	629	540	525
Maine	10	10	6	2.30	2.20	2.80	23	22	17
Maryland	35	35	35	4.40	4.10	4.30	154	144	151
Massachusetts	9	7	6	2.00	2.30	2.70	18	16	16
Michigan	660	640	610	3.10	3.00	2.80	2,046	1,920	1,708
Minnesota	1,050	1,000	870	2.70	3.40	3.35	2,835	3,400	2,915
Missouri	260	230	300	2.80	3.20	2.40	728	736	720
Montana	1,700	1,800	1,600	2.00	2.00	2.10	3,400	3,600	3,360
Nebraska	850	750	830	4.00	4.15	3.95	3,400	3,113	3,279
Nevada	200	190	200	4.30	4.40	4.20	860	836	840
New Hampshire	3	3	2	2.50	1.40	2.30	8	4	5
New Jersey	12	11	11	3.00	3.50	3.10	36	39	34
New Mexico	190	190	190	4.70	4.60	5.00	893	874	950
New York	280	350	400	2.30	2.20	2.95	644	770	1,180
North Carolina	7	7	3	2.80	3.30	2.70	20	23	8
North Dakota	1,500	1,400	1,350	1.90	1.70	1.40	2,850	2,380	1,890
Ohio	330	330	310	2.90	3.40	3.20	957	1,122	992
Oklahoma	220	210	280	2.70	3.80	3.10	594	798	868
Oregon	370	420	420	4.20	4.70	4.90	1,554	1,974	2,058
Pennsylvania	430	350	430	2.60	3.00	3.20	1,118	1,050	1,376
Rhode Island	1	1	1	2.00	1.10	2.00	2	1	2
South Dakota	1,900	1,700	1,500	2.20	2.00	1.75	4,180	3,400	2,625
Tennessee	15	15	15	3.40	3.60	3.70	51	54	56
Texas	130	130	100	4.00	5.30	4.80	520	689	480
Utah	510	530	530	4.10	4.20	4.20	2,091	2,226	2,226
Vermont	35	30	30	3.00	2.50	1.80	105	75	54
Virginia	75	65	55	3.00	3.10	3.50	225	202	193
Washington	390	430	390	5.20	5.20	5.20	2,028	2,236	2,028
West Virginia	20	17	18	3.30	3.10	2.90	66	53	52
Wisconsin	1,200	1,000	860	2.80	3.20	3.00	3,360	3,200	2,580
Wyoming	530	500	550	2.50	2.80	2.90	1,325	1,400	1,595
United States	17,778	16,885	16,563	3.32	3.45	3.32	58,974	58,263	55,068

NASS, Crops Branch, (202) 720-2127.

Table 6-4.—Hay, all other: Area, yield, and production, by State and United States, 2015–2017

State	Area harvested			Yield per harvested acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Alabama ¹	730	810	860	2.80	2.10	2.50	2,044	1,701	2,150
Arizona	35	35	40	4.50	4.80	4.80	158	168	192
Arkansas	1,120	1,200	1,160	2.00	2.00	2.00	2,240	2,400	2,320
California	400	500	440	3.60	3.50	3.50	1,440	1,750	1,540
Colorado	750	700	720	1.90	1.70	1.80	1,425	1,190	1,296
Connecticut	46	40	40	1.90	1.90	2.30	87	76	92
Delaware	10	12	12	3.30	3.20	3.00	33	38	36
Florida ¹	290	300	300	2.80	2.70	2.50	812	810	750
Georgia ¹	570	600	620	2.50	2.30	2.90	1,425	1,380	1,798
Idaho	330	330	370	2.00	2.20	2.40	660	726	888
Illinois	260	250	270	2.80	2.40	2.60	728	600	702
Indiana	330	290	310	2.30	3.10	2.40	759	899	744
Iowa	390	360	360	2.40	2.50	2.30	936	900	828
Kansas	1,800	1,900	2,100	1.90	1.70	1.90	3,420	3,230	3,990
Kentucky	2,200	2,100	2,000	2.30	2.40	2.40	5,060	5,040	4,800
Louisiana ¹	430	380	370	2.50	2.90	2.60	1,075	1,102	962
Maine	125	130	125	2.00	1.85	2.00	250	241	250
Maryland	180	180	170	2.10	2.40	2.40	378	432	408
Massachusetts	83	85	90	1.70	1.50	1.80	141	128	162
Michigan	310	230	290	1.80	1.90	1.50	558	437	435
Minnesota	520	520	510	2.20	2.00	1.90	1,144	1,040	969
Mississippi ¹	680	640	610	2.30	2.20	2.40	1,564	1,408	1,464
Missouri	2,700	2,600	2,700	2.10	2.05	1.95	5,670	5,330	5,265
Montana	800	850	950	1.60	1.80	1.60	1,280	1,530	1,520
Nebraska	1,850	1,700	1,800	1.60	1.55	1.60	2,960	2,635	2,880
Nevada	120	140	160	2.00	1.90	2.00	240	266	320
New Hampshire	45	50	45	2.00	2.00	1.60	90	100	72
New Jersey	90	103	104	1.60	1.70	2.10	144	175	218
New Mexico	90	85	90	2.20	1.70	2.00	198	145	180
New York	950	1,010	920	1.90	1.50	1.75	1,805	1,515	1,610
North Carolina	770	680	650	2.40	2.30	2.30	1,848	1,564	1,495
North Dakota	1,250	1,100	1,300	1.70	1.75	1.30	2,125	1,925	1,690
Ohio	750	640	750	2.10	2.10	2.10	1,575	1,344	1,575
Oklahoma	2,800	2,800	2,700	1.90	1.80	1.90	5,320	5,040	5,130
Oregon	690	710	680	2.20	2.70	2.00	1,518	1,917	1,360
Pennsylvania	860	1,000	1,040	2.20	2.10	2.40	1,892	2,100	2,496
Rhode Island	5	6	5	2.30	1.30	1.90	12	8	10
South Carolina ¹	300	320	260	2.00	2.10	2.60	600	672	676
South Dakota	1,500	1,400	1,600	1.60	1.50	1.35	2,400	2,100	2,160
Tennessee	1,750	1,800	1,700	2.20	2.15	2.30	3,850	3,870	3,910
Texas	4,600	4,700	4,700	2.00	2.50	2.10	9,200	11,750	9,870
Utah	160	170	170	2.30	2.20	2.10	368	374	357
Vermont	110	160	150	1.60	1.80	2.80	176	288	420
Virginia	1,100	1,150	1,150	2.20	2.30	2.30	2,420	2,645	2,645
Washington	360	410	350	2.30	2.70	2.70	828	1,107	945
West Virginia	570	570	570	1.70	1.80	1.80	969	1,026	1,026
Wisconsin	310	330	390	2.30	2.20	2.30	713	726	897
Wyoming	550	520	520	1.80	1.70	1.70	990	884	884
United States	36,669	36,596	37,221	2.06	2.10	2.05	75,528	76,732	76,387

¹ Alfalfa and alfalfa mixtures included in all other hay.
NASS, Crops Branch, (202) 720–2127.

Table 6-5.—Hay, all: Stocks on farms, United States, 2008–2017

Crop year	Dec. 1	May 1 ¹
2008		103,658
2009		107,222
2010		101,667
2011		89,723
2012		75,175
2013		89,304
2014		92,052
2015		94,993
2016		95,837
2017		86,246

¹ Following year.
NASS, Crops Branch, (202) 720–2127.

Table 6-6.—Hay, all: Marketing year average price and value of production, by State and United States, 2015–2017

State	Marketing year average price per ton, baled			Value of production		
	2015	2016	2017	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Alabama	110.00	110.00	97.00	224,840	187,110	208,550
Arizona	163.00	153.00	169.00	436,996	392,896	423,222
Arkansas	114.00	102.00	105.00	258,020	247,320	245,690
California	172.00	149.00	166.00	1,188,231	1,005,200	991,760
Colorado	179.00	151.00	169.00	760,255	549,780	701,136
Connecticut	166.00	160.00	143.00	16,625	13,974	15,716
Delaware	176.00	169.00	148.00	7,755	8,770	8,739
Florida	150.00	160.00	156.00	121,800	129,600	117,000
Georgia	90.00	100.00	104.00	128,250	138,000	186,992
Idaho	169.00	131.00	137.00	814,980	673,596	717,832
Illinois	140.00	139.00	128.00	206,850	199,920	196,773
Indiana	130.00	155.00	159.00	214,452	265,826	259,479
Iowa	108.00	89.00	106.00	426,582	285,030	359,316
Kansas	106.00	90.50	112.00	563,540	524,970	559,455
Kentucky	136.00	133.00	130.00	687,404	668,700	615,300
Louisiana	121.00	97.00	95.00	130,075	106,894	91,390
Maine	153.00	135.00	144.00	41,721	35,400	38,548
Maryland	175.00	179.00	140.00	92,848	92,880	78,315
Massachusetts	154.00	185.00	137.00	24,414	25,920	24,416
Michigan	144.00	133.00	135.00	385,392	323,067	303,679
Minnesota	89.50	74.00	88.00	360,148	330,520	365,160
Mississippi	74.00	77.00	90.00	115,736	108,416	131,760
Missouri	94.50	95.50	96.00	562,380	542,688	556,245
Montana	124.00	132.00	141.00	574,760	675,180	686,880
Nebraska	86.00	77.00	87.50	536,440	433,490	521,988
Nevada	165.00	151.00	173.00	187,700	162,982	195,440
New Hampshire	164.00	179.00	123.00	16,120	18,616	9,478
New Jersey	155.00	191.00	151.00	27,864	37,009	37,628
New Mexico	199.00	162.00	177.00	216,830	164,365	200,160
New York	174.00	185.00	158.00	439,904	436,660	495,950
North Carolina	126.00	116.00	115.00	235,360	184,805	172,102
North Dakota	78.00	77.50	99.00	359,075	314,055	326,045
Ohio	143.00	137.00	134.00	362,256	340,824	347,781
Oklahoma	86.00	86.00	89.50	515,320	509,628	498,380
Oregon	192.00	164.00	171.00	584,040	636,207	585,176
Pennsylvania	219.00	178.00	164.00	662,114	561,750	644,288
Rhode Island	135.00	163.00	150.00	1,892	1,458	1,796
South Carolina	108.00	106.00	134.00	64,800	71,232	90,584
South Dakota	101.00	86.00	106.00	647,700	464,300	489,015
Tennessee	113.00	112.00	115.00	442,675	437,850	457,612
Texas	98.50	112.00	123.00	809,440	1,272,764	1,131,660
Utah	162.00	127.00	131.00	386,950	321,598	332,304
Vermont	159.00	132.00	131.00	44,720	48,060	62,268
Virginia	151.00	140.00	122.00	398,150	398,485	346,964
Washington	174.00	142.00	171.00	499,140	478,980	510,900
West Virginia	130.00	119.00	113.00	134,325	128,325	122,182
Wisconsin	92.50	85.00	105.00	375,625	332,582	361,955
Wyoming	114.00	119.00	135.00	256,340	264,504	330,072
United States	145.00	129.00	140.00	16,548,834	15,552,186	16,155,081

NASS, Crops Branch, (202) 720-2127.

Table 6-7.—Hay: Area and production, by type, United States, 2008–2017

Year	Area harvested			Production		
	Alfalfa	All other hay	All hay	Alfalfa	All other hay	All hay
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
2008	21,060	39,092	60,152	70,180	76,090	146,270
2009	21,247	38,528	59,775	71,072	76,628	147,700
2010	19,968	39,606	59,574	67,977	77,023	145,000
2011	19,044	36,160	55,204	64,815	65,065	129,880
2012	16,795	37,858	54,653	50,600	66,472	117,072
2013	17,673	40,224	57,897	57,217	77,785	135,002
2014	18,395	38,667	57,062	61,451	78,472	139,923
2015	17,778	36,669	54,447	58,974	75,528	134,502
2016	16,885	36,596	53,481	58,263	76,732	134,995
2017	16,563	37,221	53,784	55,068	76,387	131,455

NASS, Crops Branch, (202) 720-2127.

Forage production is the sum of all dry hay production and haylage/greenchop production after converting the haylage/greenchop production to a dry equivalent basis (13 percent moisture) by multiplying the green weight (weight at harvest) by 0.4943. The conversion factor (0.4943) is based on the assumption that one ton of dry hay is 0.87 ton of dry matter, one ton of haylage is 0.45 ton dry matter and one ton of greenchop is 0.25 ton dry matter. The total haylage/greenchop production is assumed to be comprised of 90 percent haylage and 10 percent greenchop. Therefore, the conversion factor used to adjust haylage/greenchop production to a dry equivalent basis = $((0.45*0.9)+(0.25*0.1))/0.87 = 0.4943$. The factors assumed here may vary by State and can be adjusted. Adjustments would result in a slightly different conversion factor.

Table 6-8.—All forage: Area harvested, yield, and production, by State and 18 State total, 2015–2017 ¹

State	Area harvested			Yield		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	1,385	1,440	1,320	5.92	5.59	5.72
Idaho	1,400	1,385	1,495	3.88	4.26	3.76
Illinois	510	500	520	3.29	3.28	3.45
Iowa	1,240	1,010	1,140	3.52	3.71	3.20
Kansas	2,540	2,700	2,760	2.48	2.47	2.34
Michigan	1,210	1,080	1,070	3.17	3.26	2.88
Minnesota	1,890	1,835	1,560	2.81	3.19	2.99
Missouri	3,040	2,920	3,060	2.19	2.17	2.02
Nebraska	2,720	2,475	2,630	2.38	2.38	2.38
New Mexico ²	305	(NA)	(NA)	4.00	(NA)	(NA)
New York	1,720	1,850	1,800	2.53	2.25	2.73
Ohio	1,180	1,050	1,180	2.56	2.64	2.57
Pennsylvania	1,620	1,720	1,815	2.71	2.68	2.95
South Dakota	3,450	3,160	3,120	1.98	1.82	1.58
Texas	4,836	4,936	4,905	2.14	2.62	2.23
Vermont	270	310	290	3.17	2.70	3.89
Washington	840	870	815	4.08	4.23	4.35
Wisconsin	2,600	2,400	2,190	3.45	3.59	3.47
18 State Total	32,756	31,641	31,670	2.80	2.87	2.74

State	Production		
	2015	2016	2017
	1,000 tons	1,000 tons	1,000 tons
California	8,200	8,053	7,550
Idaho	5,429	5,905	5,614
Illinois	1,680	1,640	1,793
Iowa	4,370	3,750	3,652
Kansas	6,293	6,656	6,452
Michigan	3,835	3,518	3,083
Minnesota	5,309	5,852	4,668
Missouri	6,651	6,342	6,193
Nebraska	6,483	5,880	6,271
New Mexico ²	1,220	(NA)	(NA)
New York	4,346	4,165	4,915
Ohio	3,018	2,768	3,032
Pennsylvania	4,393	4,613	5,356
South Dakota	6,835	5,740	4,925
Texas	10,334	12,945	10,921
Vermont	856	838	1,127
Washington	3,427	3,679	3,542
Wisconsin	8,967	8,607	7,598
18 State Total	91,646	90,951	86,692

(NA) Not available. ¹ All forage production is the sum of the following dry equivalents: alfalfa hay harvested as dry hay, all other hay harvested as dry hay, alfalfa haylage and greenchop, all other hay haylage and greenchop; after converting alfalfa and all other haylage and greenchop to a dry equivalent basis. ² Estimates discontinued in 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 6-9.—All alfalfa forage: Area harvested, yield, and production, by State and 18-State total, 2015–2017 ¹

State	Area harvested			Yield		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	815	800	700	6.96	6.68	6.67
Idaho	1,030	1,030	1,090	4.45	4.90	4.18
Illinois	250	240	240	3.76	4.22	4.43
Iowa	810	620	770	4.06	4.38	3.62
Kansas	700	720	580	3.78	4.35	3.71
Michigan	890	830	780	3.62	3.64	3.33
Minnesota	1,350	1,285	1,040	3.04	3.67	3.52
Missouri	290	240	310	2.89	3.31	2.51
Nebraska	860	760	830	4.03	4.18	3.99
New Mexico ²	190	(NA)	(NA)	4.78	(NA)	(NA)
New York	530	650	700	3.63	3.16	3.93
Ohio	400	390	400	3.37	3.53	3.41
Pennsylvania	660	540	645	3.27	3.71	3.66
South Dakota	1,930	1,740	1,500	2.23	2.05	1.79
Texas	136	136	105	3.98	5.24	4.73
Vermont	60	50	50	3.73	5.06	3.46
Washington	425	440	425	5.16	5.33	5.32
Wisconsin	2,150	1,950	1,700	3.57	3.80	3.75
18-State Total	13,476	12,421	11,865	3.71	3.92	3.71
State	Production					
	2015	2016	2017			
	1,000 tons	1,000 tons	1,000 tons			
California	5,676	5,346	4,666			
Idaho	4,581	5,043	4,561			
Illinois	939	1,012	1,063			
Iowa	3,292	2,714	2,790			
Kansas	2,648	3,129	2,151			
Michigan	3,220	3,020	2,598			
Minnesota	4,098	4,715	3,665			
Missouri	839	795	779			
Nebraska	3,467	3,177	3,312			
New Mexico ²	908	(NA)	(NA)			
New York	1,925	2,055	2,751			
Ohio	1,347	1,376	1,365			
Pennsylvania	2,160	2,002	2,359			
South Dakota	4,309	3,566	2,682			
Texas	541	713	497			
Vermont	224	253	173			
Washington	2,191	2,345	2,263			
Wisconsin	7,685	7,406	6,369			
18-State Total	50,050	48,667	44,044			

(NA) Not available. ¹ All alfalfa forage production is the sum of alfalfa harvested as dry hay; and alfalfa haylage and greenchop production after converting it to a dry equivalent basis. ² Estimates discontinued in 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 6-10.—All haylage and greenchop: Area harvested, yield, and production, by State and 18-State total, 2015–2017¹

State	Area harvested			Yield		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	240	260	240	11.03	9.83	12.83
Idaho	110	125	100	10.45	12.60	9.83
Illinois	40	40	43	7.45	7.25	7.86
Iowa	135	135	85	6.47	8.10	7.24
Kansas	130	130	110	6.27	6.46	7.55
Michigan	295	285	260	8.44	8.24	7.32
Minnesota	380	390	240	7.08	7.32	6.61
Missouri	125	130	90	4.10	4.31	4.68
Nebraska	55	45	30	4.51	5.96	7.57
New Mexico	33	(NA)	(NA)	7.91	(NA)	(NA)
New York	650	680	610	5.91	5.59	7.05
Ohio	139	125	190	7.09	4.89	4.95
Pennsylvania	435	470	460	6.43	6.30	6.53
South Dakota	80	75	70	6.44	6.47	4.06
Texas	256	137	165	4.85	7.47	7.00
Vermont	170	160	150	6.84	6.00	8.80
Washington	130	67	125	8.88	10.13	9.20
Wisconsin	1,430	1,310	1,190	6.92	7.23	7.01
18-State Total	4,833	4,564	4,158	6.95	7.09	7.33

State	Production		
	2015	2016	2017
	1,000 tons	1,000 tons	1,000 tons
California	2,648	2,556	3,078
Idaho	1,150	1,575	983
Illinois	298	290	338
Iowa	873	1,093	615
Kansas	815	840	830
Michigan	2,491	2,348	1,902
Minnesota	2,690	2,856	1,586
Missouri	513	560	421
Nebraska	248	268	227
New Mexico	261	(NA)	(NA)
New York	3,839	3,804	4,298
Ohio	985	611	940
Pennsylvania	2,799	2,959	3,002
South Dakota	515	485	284
Texas	1,242	1,024	1,155
Vermont	1,163	960	1,320
Washington	1,154	679	1,150
Wisconsin	9,902	9,470	8,337
18-State Total	33,586	32,378	30,466

(NA) Not available. Estimates discontinued in 2016. ¹ Includes all types of forage harvested as haylage or greenchop (green weight). Forage harvested as dry hay and corn and sorghum silage/greenchop are not included. NASS, Crops Branch, (202) 720-2127.

Table 6-11.—Alfalfa haylage and greenchop: Area harvested, yield, and production, by State and 18-State total, 2015–2017¹

State	Area harvested			Yield		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	70	100	60	6.50	6.20	6.00
Idaho	70	100	65	11.00	13.00	10.00
Illinois	34	25	30	8.00	9.30	9.40
Iowa	90	95	70	6.50	8.60	7.80
Kansas	60	30	20	6.00	8.00	10.00
Michigan	270	250	240	8.80	8.90	7.50
Minnesota	350	350	220	7.30	7.60	6.90
Missouri	45	20	20	5.00	6.00	6.00
Nebraska	30	20	10	4.50	6.50	6.70
New Mexico	3	(NA)	(NA)	10.00	(NA)	(NA)
New York	360	400	410	7.20	6.50	7.75
Ohio	100	90	130	7.90	5.70	5.80
Pennsylvania	285	275	265	7.40	7.00	7.50
South Dakota	50	50	35	5.20	6.70	3.30
Texas	6	7	5	7.00	7.00	7.00
Vermont	40	40	30	6.00	9.00	8.00
Washington	45	22	50	7.30	10.00	9.50
Wisconsin	1,250	1,150	1,050	7.00	7.40	7.30
18-State Total	3,158	3,024	2,710	7.24	7.56	7.38
State	Production					
	2015	2016	2017			
	1,000 tons	1,000 tons	1,000 tons			
California	455	620	360			
Idaho	770	1,300	650			
Illinois	272	233	282			
Iowa	585	817	546			
Kansas	360	240	200			
Michigan	2,376	2,225	1,800			
Minnesota	2,555	2,660	1,518			
Missouri	225	120	120			
Nebraska	135	130	67			
New Mexico	30	(NA)	(NA)			
New York	2,592	2,600	3,178			
Ohio	790	513	754			
Pennsylvania	2,109	1,925	1,988			
South Dakota	260	335	116			
Texas	42	49	35			
Vermont	240	360	240			
Washington	329	220	475			
Wisconsin	8,750	8,510	7,665			
18-State Total	22,875	22,857	19,994			

(NA) Not available. Estimates discontinued in 2016. ¹Includes only alfalfa and alfalfa mixtures that were harvested as haylage or greenchop (green weight). Alfalfa harvested as dry hay is not included.
 NASS, Crops Branch, (202) 720-2127.

Table 6-12.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 2007–2016¹

Year beginning May	Farm carryover 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 tons	Tons	Tons	Dollars
2007	15.0	145.4	161.9	140.3	71	2.26	1.96	128
2008	21.6	145.7	167.9	145.8	71	2.36	2.05	152
2009 ²	22.1	146.6	170.0	148.8	70	2.41	2.11	108
2010	20.9	143.5	166.0	143.7	69	2.39	2.07	114
2011	22.2	140.3	152.2	130.7	68	2.24	1.92	178
2012	21.4	126.1	138.7	124.3	68	2.05	1.84	191
2013	14.2	132.7	149.5	130.0	67	2.24	1.95	176
2014	19.2	137.0	159.4	134.6	67	2.36	2.00	172
2015	24.5	134.5	159.3	133.9	69	2.29	1.93	145
2016	25.1	133.8	160.1	135.5	71	2.26	1.91	129

¹ Excludes trade. ² Beginning in 2009, supply includes imports. ERS, Market and Trade Economics Division, (202) 694-5313.

Table 6-13.—Field seeds: Average retail price paid by farmers for seed, Mar. 15, United States, 2005–2014¹

Kind of seed	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Price per 100 pounds									
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Alfalfa:										
Public and common ...	177.00	181.00	201.00	246.00	262.00	273.00	284.00	308.00	316.00	326.00
Proprietary	281.00	286.00	292.00	342.00	379.00	379.00	411.00	442.00	456.00	469.00
Clover, ladino	280.00	306.00	316.00	344.00	394.00	349.00	321.00	337.00	348.00	356.00
Clover, red	174.00	177.00	202.00	241.00	289.00	213.00	200.00	218.00	226.00	231.00
Lespedeza:										
Korean	79.30	87.00	126.00	184.00	127.00	105.00	123.00	248.00	263.00	277.00
Striate, Kobe	83.10	89.50	113.00	263.00	198.00	141.00	128.00	280.00	298.00	317.00
Sericea	220.00	181.00	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Timothy	105.00	106.00	112.00	133.00	149.00	135.00	146.00	191.00	193.00	198.00
Orchardgrass	137.00	158.00	189.00	321.00	329.00	185.00	170.00	187.00	197.00	199.00
Bluegrass, Kentucky:										
Public and common ...	180.00	161.00	175.00	227.00	269.00	224.00	189.00	223.00	230.00	236.00
Proprietary, including										
Merion	235.00	224.00	232.00	251.00	326.00	284.00	259.00	260.00	266.00	270.00
Rye grass, annual	59.30	69.60	71.80	78.80	78.90	70.30	73.40	95.20	99.90	101.00
Tall fescue	100.00	124.00	146.00	158.00	143.00	99.00	102.00	146.00	147.00	150.00
Sudangrass	57.40	50.20	56.70	62.10	72.50	73.60	75.70	100.00	103.00	105.00
Potatoes	9.30	11.80	12.00	13.10	15.60	12.90	14.40	15.90	14.80	15.53
Peanuts	56.40	57.70	60.70	83.10	76.50	75.40	91.00	95.40	74.50	77.60
Sunflower	476.00	520.00	616.00	718.00	749.00	729.00	897.00	931.00	940.00	948.00
Cottonseed, all	309.00	356.00	408.00	455.00	521.00	570.00	684.00	702.00	735.00	734.00
Biotech ²	390.00	443.00	500.00	525.00	609.00	648.00	702.00	754.00	739.00	789.00
Non-biotech	110.00	118.00	97.10	88.50	113.00	130.00	242.00	249.00	323.00	331.00
Grain sorghum, hybrid ..	114.00	116.00	120.00	142.00	161.00	165.00	162.00	203.00	207.00	212.00
Rice	20.80	27.30	30.20	33.50	48.60	48.90	49.80	50.60	60.30	68.10
	Price per bushel									
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Corn, hybrid, all ³	111.00	118.00	133.00	165.00	217.00	229.00	237.00	258.00	274.00	283.00
Biotech ^{2,3}	131.00	137.00	154.00	184.00	235.00	247.00	249.00	268.00	285.00	293.00
Non-biotech ³	93.40	95.10	100.00	115.00	139.00	152.00	163.00	182.00	197.00	197.00
Wheat, spring	7.30	7.60	8.40	20.50	11.80	10.00	14.20	15.20	15.60	16.20
Wheat, winter	9.06	9.32	10.60	14.80	16.00	13.70	15.40	17.50	18.00	18.40
Oats, spring	5.54	5.83	6.81	8.19	8.19	7.78	8.34	10.30	10.50	10.70
Barley, spring	6.72	6.58	7.18	10.10	9.78	8.52	10.30	13.10	13.90	13.90
Soybeans for seed, all ..	27.60	28.90	34.80	38.80	48.30	51.90	49.70	54.90	57.80	58.40
Biotech ²	34.60	34.10	36.70	40.00	49.60	53.50	51.00	55.90	59.10	59.80
Non-biotech	19.10	21.10	20.50	26.30	33.70	33.90	33.50	38.80	40.50	40.70
Flaxseed	14.40	8.80	9.73	19.80	13.80	13.80	19.10	17.50	19.00	19.50

Note: Surveys discontinued after 2014.

¹ Beginning in 2009 program changed from April 15 to March 15. ² Biotech varieties are made to be resistant to herbicides, insects, or both. A technology fee is included within the price. ³ Price per 80,000 kernels. ⁴ Estimate discontinued in 2007.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 6-14.—Beans, dry edible (clean basis): Production, by classes, United States, 2015–2017 ¹

Class	2015	2016	2017
	1,000 cwt	1,000 cwt	1,000 cwt
Navy (pea beans)	4,562	3,516	4,161
Great northern	915	845	1,403
Small white	115	(²)	171
Pinto	9,502	9,638	13,617
Red kidney, light	1,224	462	899
Red kidney, dark	1,574	1,126	1,099
Pink	340	307	331
Small red	1,106	657	438
Cranberry	147	65	186
Black	5,589	4,360	5,120
Large lima (CA)	257	300	264
Baby lima (CA)	223	209	217
Blackeye	565	572	437
Small chickpeas (Garbanzo)	906	1,938	1,960
Large chickpeas (Garbanzo)	1,607	3,509	4,945
Chickpeas, all (Garbanzo)	2,513	5,447	6,905
Other	1,425	1,199	597
Total	30,057	28,703	35,845

¹ Excludes beans grown for garden seed. ² Data are included in "Other" class to avoid disclosing data for individual operations.
 NASS, Crops Branch, (202) 720-2127.

Table 6-15.—Beans, dry edible: Area, yield, and production, by State and United States, 2015–2017 ¹

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Arizona ²	9.4	(NA)	(NA)	9.4	(NA)	(NA)
California	45.0	50.0	50.0	44.5	49.0	49.7
Colorado	50.0	46.0	58.0	46.5	42.5	54.5
Idaho	120.0	140.0	180.0	119.0	137.0	178.0
Kansas ²	8.0	(NA)	(NA)	7.8	(NA)	(NA)
Michigan	275.0	210.0	220.0	272.0	208.0	218.5
Minnesota	190.0	155.0	170.0	182.0	147.0	163.0
Montana	49.0	103.0	275.0	46.5	99.5	260.0
Nebraska	140.0	138.0	180.0	128.5	122.0	155.0
New Mexico ²	12.9	(NA)	(NA)	12.9	(NA)	(NA)
New York ²	8.0	(NA)	(NA)	7.8	(NA)	(NA)
North Dakota	655.0	625.0	705.0	635.0	565.0	685.0
Oregon ²	9.0	(NA)	(NA)	9.0	(NA)	(NA)
South Dakota ²	12.5	(NA)	(NA)	11.6	(NA)	(NA)
Texas	31.0	27.0	22.0	28.0	24.0	20.0
Washington	110.0	135.0	191.0	109.0	133.0	190.0
Wisconsin ²	7.9	(NA)	(NA)	7.9	(NA)	(NA)
Wyoming	32.0	33.0	41.0	31.0	31.1	39.0
United States	1,764.7	1,662.0	2,092.0	1,708.4	1,558.1	2,012.7
State	Yield per acre (clean basis) ³			Production (clean basis) ³		
	2015	2016	2017	2015	2016	2017
	Pounds	Pounds	Pounds	1,000 cwt	1,000 cwt	1,000 cwt
Arizona ²	2,060	(NA)	(NA)	194	(NA)	(NA)
California	2,310	2,330	2,100	1,029	1,141	1,045
Colorado	1,820	1,750	2,000	846	742	1,092
Idaho	1,800	1,920	1,610	2,141	2,624	2,873
Kansas ²	2,500	(NA)	(NA)	195	(NA)	(NA)
Michigan	2,030	1,920	2,010	5,533	4,002	4,394
Minnesota	2,140	2,230	2,190	3,896	3,279	3,567
Montana	1,340	1,620	1,000	624	1,613	2,594
Nebraska	2,380	2,270	2,520	3,057	2,766	3,901
New Mexico ²	2,050	(NA)	(NA)	264	(NA)	(NA)
New York ²	1,510	(NA)	(NA)	118	(NA)	(NA)
North Dakota	1,400	1,580	1,810	8,901	8,908	12,392
Oregon ²	2,300	(NA)	(NA)	207	(NA)	(NA)
South Dakota ²	1,770	(NA)	(NA)	205	(NA)	(NA)
Texas	1,400	1,100	1,100	392	264	220
Washington	1,450	1,980	1,490	1,582	2,631	2,834
Wisconsin ²	2,030	(NA)	(NA)	160	(NA)	(NA)
Wyoming	2,300	2,360	2,390	713	733	933
United States	1,759	1,842	1,781	30,057	28,703	35,845

(NA) Not available. ¹ Excludes beans grown for garden seed. ² Estimates discontinued in 2016. ³ Clean basis.
 NASS, Crops Branch, (202) 720-2127.

Table 6-16.—Beans, dry edible: Area, yield, production, price, and value, United States, 2008–2017¹

Year	Area planted	Area harvested	Yield per acre ²	Production ²	Marketing year average price per 100 pounds received by farmers	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	1,495.0	1,445.2	1,768	25,558	34.60	910,200
2009	1,540.0	1,464.0	1,737	25,427	30.00	790,250
2010	1,911.4	1,842.7	1,726	31,801	28.00	899,258
2011	1,217.9	1,167.9	1,703	19,890	42.10	851,131
2012	1,742.5	1,690.4	1,889	31,925	38.00	1,235,255
2013	1,359.7	1,316.3	1,867	24,576	39.10	982,385
2014	1,701.6	1,648.6	1,754	28,910	32.30	980,622
2015	1,764.7	1,708.4	1,759	30,057	27.30	866,222
2016	1,662.0	1,558.1	1,842	28,703	29.20	863,431
2017	2,092.0	2,012.7	1,781	35,845	27.80	1,013,006

¹ Excludes beans grown for garden seed. ² Clean basis. NASS, Crops Branch, (202) 720–2127.

Table 6-17.—Beans, dry edible (clean basis): Marketing year average price and value of production, by State and United States, 2015–2017¹

States	Marketing year average price per cwt.			Value of production		
	2015	2016	2017 ²	2015	2016	2017 ²
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Arizona ³	51.50	(NA)	(NA)	9,991	(NA)	(NA)
California	69.70	63.10	60.90	71,721	71,997	63,641
Colorado	28.30	30.40	31.00	23,942	22,557	33,852
Idaho	32.10	27.30	28.90	68,726	71,635	83,030
Kansas ³	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Michigan	28.80	29.20	29.40	159,350	116,858	129,184
Minnesota	30.50	30.10	28.50	118,828	98,698	101,660
Montana	28.90	26.00	34.50	18,034	41,938	89,493
Nebraska	21.50	28.30	25.90	65,726	78,278	101,036
New Mexico ³	29.00	(NA)	(NA)	7,656	(NA)	(NA)
New York ³	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	24.00	27.90	24.30	213,624	248,533	301,126
Oregon ³	35.50	(NA)	(NA)	7,349	(NA)	(NA)
South Dakota ³	23.70	(NA)	(NA)	4,859	(NA)	(NA)
Texas	32.60	34.90	34.60	12,779	9,214	7,612
Washington	29.30	31.40	27.30	46,353	82,613	77,368
Wisconsin ³	58.00	(NA)	(NA)	9,280	(NA)	(NA)
Wyoming	27.50	28.80	26.80	19,608	21,110	25,004
Other States ⁴	26.80	-	-	8,396	-	-
United States	27.30	29.20	27.80	866,222	863,431	1,013,006

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Excludes beans grown for garden seed. ² Preliminary. ³ Estimates discontinued in 2016. ⁴ Includes data withheld above. NASS, Crops Branch, (202) 720–2127.

Table 6-18.—Beans, dry edible: Season average wholesale (dealer) price per 100 pounds, selected markets, 2008/2009–2017/2018

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 red	F.o.b. Michigan points:		
	Baby lima	Large lima	Blackeye				Pea bean (Navy)	Black	Light red kidney
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2008/2009	58.87	73.39	51.97	40.85	54.00	52.71	36.63	46.70	57.67
2009/2010	43.98	71.59	45.12	39.45	41.57	43.32	40.37	46.04	43.56
2010/2011	40.13	59.53	42.47	36.08	41.81	47.74	41.94	43.05	48.25
2011/2012	57.88	60.50	(NA)	62.72	54.75	61.25	58.61	52.09	69.30
2012/2013	(NA)	60.00	54.75	45.54	53.96	53.36	45.72	46.36	63.32
2013/2014	(NA)	(NA)	55.19	45.40	(NA)	52.17	55.25	52.52	68.88
2014/2015	56.50	110.00	70.00	32.41	48.46	55.10	38.85	45.46	64.84
2015/2016	58.75	99.00	70.00	33.14	32.47	39.10	32.19	33.31	38.37
2016/2017	58.40	84.48	56.86	38.34	40.07	36.13	38.67	40.67	44.94
2017/2018	59.96	84.99	50.52	22.91	36.21	38.48	34.70	36.20	50.64

(NA) Not available.
ERS, Specialty Crops Branch, (202) 694-5253. Compiled from the Bean Market Summary, Agricultural Marketing Service, U.S. Department of Agriculture, Greeley, Colorado.

Table 6-19.—Beans, dry edible: United States exports to specified countries, 2014–2017¹

Country	2014	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Mexico	77,723	75,787	89,504	102,791
Canada	95,554	66,648	65,387	71,292
Italy(*)	28,797	31,552	25,944	47,291
United Kingdom	52,342	43,952	33,939	38,048
Dominican Republic	20,644	44,663	33,028	19,636
Haiti	3,229	16,916	10,265	10,711
Costa Rica	2,755	424	3,221	7,630
Japan	17,022	12,316	7,070	7,008
Australia(*)	4,379	6,178	5,127	6,382
Ecuador	0	0	0	6,380
Colombia	3,697	7,896	9,804	6,348
Korea, South	2,279	2,105	1,705	5,877
France(*)	17,575	12,033	9,634	5,834
Panama	658	597	4,415	5,762
Belgium-Luxembourg(*)	6,553	4,183	4,753	5,262
Netherlands	5,398	2,384	2,298	4,650
Guatemala	6,136	5,375	3,502	4,116
Spain	11,006	3,962	3,578	4,113
El Salvador	1,466	2,260	2,959	3,043
Brazil	0	0	12,088	2,978
South Africa	5,728	1,220	6,094	2,839
Germany(*)	1,609	1,331	2,573	2,701
Jamaica	4,221	4,237	2,718	2,694
Peru	236	513	455	2,522
Rest of World	117,590	38,574	37,887	24,003
World Total	486,596	385,104	377,947	399,909

(*) Denotes a country that is a summarization of its component countries. ¹ Excluding seed bean exports.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 6-20.—Chickpeas & lentils, dried: United States exports by class and quantity, 2014–2017¹

Country	2014	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Dried chickpeas:				
Canada	1,247	3,047	13,843	29,315
Spain	12,016	12,625	14,059	20,738
Pakistan	2,898	4,335	7,036	18,941
India	7,177	4,587	8,911	17,230
Turkey	4,662	2,161	7,637	12,279
United Arab Emirates	1,118	698	3,729	7,477
Algeria	1,649	1,459	3,485	6,305
Italy(*)	5,425	2,920	4,737	5,822
Peru	507	115	4,878	3,524
Lebanon	2,211	1,849	3,312	3,222
Portugal	2,539	1,522	1,828	2,675
Sri Lanka	0	532	1,857	2,577
France(*)	0	0	368	2,545
Belgium-Luxembourg(*)	93	67	409	2,264
Colombia	1,510	167	914	1,747
Jordan	134	278	501	1,446
United Kingdom	182	988	306	1,281
Korea, South	63	640	820	766
New Zealand(*)	383	562	1,060	667
Israel(*)	1,300	2,491	1,363	667
Egypt	0	0	164	576
Japan	604	801	553	530
China	0	0	322	527
Greece	116	23	46	519
Rest of World	2,523	2,745	4,238	5,236
World Total	48,357	44,612	86,376	148,874
Dried lentils:				
Canada	6,686	8,347	60,737	54,052
Spain	28,495	31,993	32,085	34,002
Colombia	2,405	6,136	10,323	31,571
Mexico	15,307	11,218	19,758	23,081
India	121,012	93,171	62,020	21,941
Peru	8,334	12,187	13,561	18,271
Sudan(*)	0	13,954	10,846	7,852
Italy(*)	7,363	9,160	9,122	5,955
Turkey	4,750	5,074	7,870	5,164
United Arab Emirates	6,442	7,032	4,679	4,862
Benin	200	2,167	99	4,175
Pakistan	4,309	3,223	4,990	4,089
Belgium-Luxembourg(*)	2,501	4,200	3,404	3,108
Greece	2,152	2,919	2,106	3,104
Ethiopia(*)	0	0	0	2,495
Germany(*)	199	716	448	2,255
Djibouti	4,184	4,845	0	2,000
Ecuador	20	424	962	1,622
Netherlands	609	1,268	1,532	1,591
China	2,503	911	786	1,580
Algeria	1,993	466	1,542	1,470
Thailand	0	32	14	1,081
Dominican Republic	92	773	1,797	993
France(*)	142	195	99	769
Rest of World	22,149	18,454	13,242	7,368
World Total	241,846	238,863	262,021	244,447

(*) Denotes a country that is a summarization of its component countries. ¹ Excluding seed pea exports. FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 6-21.—Peas, dry: United States exports to specified countries, 2014–2017¹

Country	2014	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	
China	66,021	48,881	61,198	58,061
India	239,246	161,312	208,945	48,381
Yemen(*)	998	1,042	11,489	40,104
Ethiopia(*)	14,422	37,999	57,480	29,631
Djibouti	11,249	16,114	12,859	22,628
Peru	17,538	15,660	9,448	17,352
Canada	15,263	19,500	14,805	16,657
Philippines	19,886	15,480	9,376	16,396
Kenya	16,044	15,175	7,196	15,717
South Africa	8,004	4,861	5,736	12,917
Tanzania	2,825	3,413	4,326	11,318
Mexico	12,918	5,834	6,638	9,065
Somalia	1,677	5,687	3,055	7,059
Sudan(*)	3,103	5,090	1,795	6,683
Cameroon	301	2,013	8,736	5,594
Colombia	4,178	5,340	5,351	4,112
Turkey	2,010	1,742	3,139	3,066
Taiwan	4,919	9,508	2,623	2,908
Pakistan	9,686	3,998	14,923	1,894
Indonesia	5,995	2,461	96	1,775
Togo	630	298	3,825	1,492
Madagascar	0	448	756	1,472
Malaysia	653	559	4,766	1,209
Thailand	238	362	334	927
Rest of World	45,239	29,654	46,869	13,572
World Total	503,042	412,431	505,764	349,988

(*) Denotes a country that is a summarization of its component countries. ¹ Excluding seed pea exports.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 6-22.—Hops: Area, yield, production, price, value, and Sept. 1 stocks, United States, 2008–2017

Year	Area harvested	Yield per acre	Production	Marketing year average price per pound received by farmers	Value of production	Stocks Sept. 1	Stocks Mar. 1
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
2008	40.9	1,971	80,630	4.03	325,092	47,000	66,000
2009	39.7	2,383	94,678	3.57	337,874	65,000	82,000
2010	31.3	2,093	65,493	3.28	214,589	83,000	102,000
2011	29.8	2,175	64,782	3.14	203,378	87,000	121,000
2012	29.7	1,985	58,911	3.17	186,876	96,000	120,000
2013	35.3	1,962	69,246	3.35	232,308	(NA)	115,000
2014	38.0	1,868	70,996	3.67	260,627	90,000	121,000
2015	43.6	1,807	78,846	4.38	345,388	83,000	119,000
2016	50.8	1,713	87,139	5.72	498,420	85,000	128,000
2017	53.3	1,959	104,366	5.92	617,836	98,000	140,000

(NA) Not available.
 NASS, Crops Branch, (202) 720-2127.

Table 6-23.—Hops: Area, yield, and production, by State and United States, 2015–2017

State	Area harvested			Yield per acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	<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>
Idaho	4,863	5,648	6,993	1,794	1,646	1,968	8,724.9	9,297.7	13,759.2
Oregon	6,612	7,765	7,851	1,613	1,596	1,517	10,667.8	12,395.3	11,913.2
Washington	32,158	37,444	38,438	1,849	1,748	2,047	59,453.3	65,446.6	78,693.6
United States ...	43,633	50,857	53,282	1,807	1,713	1,959	78,846.0	87,139.6	104,366.0

NASS, Crops Branch, (202) 720-2127.

Table 6-24.—Hops: Marketing year average price and value of production, by State and United States, 2015–2017

State	Marketing year average price per pound			Value of production		
	2015	2016	2017	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Idaho	3.53	5.50	5.00	30,799	51,137	68,796
Oregon	3.24	5.25	5.00	34,564	65,075	59,566
Washington	4.71	5.84	6.22	280,025	382,208	489,474
United States ...	4.38	5.72	5.92	345,388	498,420	617,836

NASS, Crops Branch, (202) 720-2127.

Table 6-25.—Hops: United States exports by country of destination and imports by country of origin, 2014–2017

Country	2014	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
United Kingdom	1,756	2,267	2,971	3,392
Belgium-Luxembourg(*)	820	852	1,212	1,604
Canada	978	1,107	1,402	1,384
Germany(*)	774	914	1,233	1,284
Brazil	1,140	1,331	802	1,001
Mexico	1,062	1,207	914	822
China	450	547	669	764
Colombia	701	457	619	678
Japan	455	501	694	609
Australia(*)	235	301	460	595
Argentina	204	331	227	542
Korea, South	223	265	190	385
Peru	248	197	239	293
Russia	98	69	223	188
Vietnam	48	69	107	135
Hong Kong	320	239	278	125
Dominican Republic	77	84	115	115
South Africa	68	47	102	107
Philippines	169	161	231	97
New Zealand(*)	23	56	64	88
India	108	6	97	64
Ireland	14	57	73	64
Ecuador	121	71	67	64
Czech Republic	4	3	5	63
Rest of World	1,163	833	693	656
World Total	11,259	11,972	13,689	15,118

(*) Denotes a country that is a summarization of its component countries.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data

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, meat production, and market statistics for meat animals.

Table 7-1.—All cattle and calves: Inventory, and value, United States, Jan. 1, 2008-2017

Year	Inventory	Value	
		Per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	96,035	990	95,112,820
2009	94,721	872	82,628,170
2010	94,081	833	78,335,410
2011	92,887	947	87,988,337
2012	91,160	1,111	101,252,540
2013	90,095	1,139	101,731,742
2014	88,526	1,223	108,255,950
2015	89,143	1,584	141,211,070
2016	91,918	1,410	129,614,960
2017	93,705	1,109	103,897,618

NASS, Livestock Branch, (202) 720-3570.

Table 7-2.—All cattle and calves: Number by class, United States, Jan. 1, 2008-2017

Year	All cattle and calves ¹	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>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>
2008	96,035	32,435	9,257	5,647	4,415	9,793	17,163	2,207	15,118
2009	94,721	31,794	9,333	5,550	4,410	9,644	16,809	2,188	14,994
2010	94,081	31,440	9,087	5,443	4,551	9,784	16,568	2,190	15,019
2011	92,887	30,913	9,156	5,135	4,577	9,938	16,394	2,165	14,610
2012	91,160	30,282	9,236	5,281	4,618	9,546	15,957	2,100	14,141
2013	90,095	29,631	9,221	5,429	4,546	9,281	15,931	2,074	13,983
2014	88,526	29,085	9,208	5,551	4,549	8,869	15,668	2,038	13,558
2015	89,143	29,302	9,306	6,086	4,710	8,464	15,630	2,109	13,534
2016	91,918	30,165	9,310	6,340	4,814	8,753	16,315	2,142	14,077
2017	93,705	31,213	9,346	6,368	4,754	9,010	16,384	2,244	14,386

¹Totals may not add due to rounding.
NASS, Livestock Branch, (202) 720-3570.

Table 7-3.—All cattle and calves: Inventory and value, by State and United States, Jan. 1, 2016–2017

State	Inventory		Value			
	2016	2017	Value per head		Total value	
			2016	2017	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Alabama	1,250.0	1,300.0	1,310	930	1,637,500	1,209,000
Alaska	11.0	13.0	1,200	1,220	13,200	15,860
Arizona	900.0	970.0	1,390	1,080	1,251,000	1,047,600
Arkansas	1,700.0	1,750.0	1,270	910	2,159,000	1,592,500
California	5,150.0	5,150.0	1,460	1,220	7,519,000	6,283,000
Colorado	2,700.0	2,850.0	1,490	1,230	4,023,000	3,505,500
Connecticut	49.0	48.0	1,400	1,290	68,600	61,920
Delaware	16.0	16.0	1,280	1,130	20,480	18,080
Florida	1,680.0	1,700.0	1,410	1,130	2,368,800	1,921,000
Georgia	1,100.0	1,110.0	1,260	930	1,386,000	1,032,300
Hawaii	140.0	142.0	1,010	740	141,400	105,080
Idaho	2,390.0	2,370.0	1,480	1,200	3,537,200	2,844,000
Illinois	1,180.0	1,220.0	1,350	1,140	1,593,000	1,390,800
Indiana	890.0	890.0	1,330	1,090	1,183,700	970,100
Iowa	3,950.0	3,900.0	1,390	1,160	5,490,500	4,524,000
Kansas	6,250.0	6,400.0	1,430	1,050	8,937,500	6,720,000
Kentucky	2,170.0	2,170.0	1,220	890	2,647,400	1,931,300
Louisiana	770.0	780.0	1,400	1,040	1,078,000	811,200
Maine	81.0	84.0	1,340	1,210	108,540	101,640
Maryland	190.0	186.0	1,280	1,060	243,200	197,160
Massachusetts	38.0	38.0	1,300	1,110	49,400	42,180
Michigan	1,140.0	1,180.0	1,430	1,200	1,630,200	1,416,000
Minnesota	2,420.0	2,410.0	1,310	1,060	3,170,200	2,554,600
Mississippi	940.0	890.0	1,270	950	1,193,800	845,500
Missouri	4,100.0	4,350.0	1,350	1,030	5,535,000	4,480,500
Montana	2,650.0	2,650.0	1,620	1,230	4,293,000	3,259,500
Nebraska	6,450.0	6,450.0	1,450	1,190	9,352,500	7,675,500
Nevada	435.0	445.0	1,460	1,150	635,100	511,750
New Hampshire	35.0	35.0	1,380	1,230	48,300	43,050
New Jersey	28.0	28.0	1,380	1,140	38,640	31,920
New Mexico	1,370.0	1,430.0	1,530	1,310	2,096,100	1,873,300
New York	1,460.0	1,500.0	1,380	1,150	2,014,800	1,725,000
North Carolina	800.0	830.0	1,170	900	936,000	747,000
North Dakota	1,710.0	1,820.0	1,650	1,330	2,821,500	2,420,600
Ohio	1,250.0	1,300.0	1,310	1,080	1,637,500	1,404,000
Oklahoma	4,800.0	5,000.0	1,400	1,080	6,720,000	5,400,000
Oregon	1,310.0	1,320.0	1,440	1,130	1,886,400	1,491,600
Pennsylvania	1,600.0	1,620.0	1,320	1,080	2,112,000	1,749,600
Rhode Island	5.0	4.6	1,360	1,180	6,800	5,428
South Carolina	340.0	340.0	1,220	940	414,800	319,600
South Dakota	3,900.0	3,850.0	1,600	1,240	6,240,000	4,774,000
Tennessee	1,830.0	1,830.0	1,240	910	2,269,200	1,665,300
Texas	11,800.0	12,300.0	1,400	1,030	16,520,000	12,669,000
Utah	840.0	820.0	1,490	1,180	1,251,600	967,600
Vermont	260.0	260.0	1,440	1,290	374,400	335,400
Virginia	1,490.0	1,520.0	1,190	950	1,773,100	1,444,000
Washington	1,150.0	1,150.0	1,380	1,150	1,587,000	1,322,500
West Virginia	390.0	405.0	1,270	930	495,300	376,650
Wisconsin	3,500.0	3,550.0	1,420	1,240	4,970,000	4,402,000
Wyoming	1,310.0	1,330.0	1,630	1,250	2,135,300	1,662,500
United States	91,918.0	93,704.6	1,410	1,109	129,614,960	103,897,618

NASS, Livestock Branch, (202) 720-3570.

Table 7-4.—Cattle and calves, Jan. 1: Number by class, State and United States, 2017–2018

State	Cows and heifers that have calved				Heifers, 500 pounds and over					
	Beef cows		Milk cows		Beef cow replacements		Milk cow replacements		Other	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
Alabama	693.0	714.0	7.0	6.0	120.0	125.0	4.0	3.0	36.0	37.0
Alaska	4.7	5.4	0.3	0.3	1.0	1.4	0.1	0.1	0.5	0.5
Arizona	184.0	187.0	196.0	203.0	38.0	36.0	117.0	105.0	35.0	29.0
Arkansas	914.0	924.0	6.0	6.0	173.0	160.0	3.0	4.0	64.0	71.0
California	655.0	660.0	1,755.0	1,740.0	130.0	125.0	760.0	790.0	150.0	175.0
Colorado	805.0	809.0	155.0	166.0	190.0	180.0	100.0	100.0	520.0	550.0
Connecticut	5.0	6.0	19.0	19.0	2.0	2.0	9.5	9.5	1.0	1.5
Delaware	2.5	2.5	5.0	5.0	0.7	0.7	2.2	2.0	0.4	0.4
Florida	908.0	886.0	122.0	124.0	125.0	115.0	35.0	40.0	30.0	30.0
Georgia	497.0	485.0	83.0	85.0	110.0	95.0	30.0	25.0	50.0	35.0
Hawaii	73.6	75.0	2.4	2.0	13.0	12.0	1.0	1.0	4.0	5.0
Idaho	500.0	510.0	600.0	600.0	120.0	120.0	310.0	310.0	190.0	200.0
Illinois	387.0	397.0	93.0	93.0	75.0	70.0	52.0	47.0	108.0	98.0
Indiana	210.0	208.0	185.0	187.0	50.0	50.0	80.0	75.0	50.0	45.0
Iowa	965.0	970.0	215.0	220.0	185.0	165.0	135.0	135.0	540.0	530.0
Kansas	1,570.0	1,507.0	150.0	153.0	310.0	280.0	100.0	140.0	1,430.0	1,490.0
Kentucky	1,023.0	1,033.0	57.0	57.0	150.0	145.0	40.0	45.0	115.0	115.0
Louisiana	448.0	473.0	12.0	12.0	85.0	90.0	4.0	4.0	20.0	20.0
Maine	11.0	10.0	30.0	30.0	4.0	4.0	15.0	15.0	3.0	3.0
Maryland	43.0	46.0	47.0	47.0	11.0	12.0	29.0	28.0	6.0	10.0
Massachusetts ..	6.5	6.5	11.5	11.5	2.0	2.0	7.0	7.0	1.0	1.0
Michigan	120.0	102.0	425.0	428.0	25.0	24.0	170.0	176.0	40.0	30.0
Minnesota	370.0	365.0	460.0	455.0	95.0	100.0	295.0	290.0	165.0	175.0
Mississippi	476.0	501.0	9.0	9.0	93.0	92.0	6.0	7.0	31.0	40.0
Missouri	2,055.0	2,166.0	85.0	84.0	370.0	365.0	45.0	40.0	235.0	215.0
Montana	1,486.0	1,497.0	14.0	13.0	425.0	390.0	9.0	7.0	256.0	223.0
Nebraska	1,920.0	1,910.0	60.0	60.0	375.0	375.0	25.0	15.0	1,380.0	1,520.0
Nevada	220.0	238.0	30.0	32.0	41.0	42.0	11.0	12.0	29.0	30.0
New Hampshire ..	5.0	4.5	13.5	12.5	1.0	1.5	6.0	8.0	1.0	0.5
New Jersey	7.5	9.0	6.5	6.0	1.6	2.1	3.7	3.2	1.2	1.2
New Mexico	465.0	483.0	325.0	332.0	100.0	105.0	110.0	130.0	90.0	95.0
New York	110.0	105.0	620.0	625.0	45.0	45.0	355.0	350.0	50.0	50.0
North Carolina ..	370.0	370.0	45.0	45.0	69.0	66.0	22.0	19.0	25.0	23.0
North Dakota	954.0	984.5	16.0	15.5	206.0	191.0	9.0	9.0	215.0	240.0
Ohio	288.0	296.0	262.0	264.0	75.0	70.0	120.0	121.0	60.0	59.0
Oklahoma	2,095.0	2,131.0	35.0	39.0	435.0	410.0	20.0	25.0	465.0	510.0
Oregon	546.0	536.0	124.0	124.0	105.0	95.0	65.0	70.0	115.0	100.0
Pennsylvania	185.0	215.0	525.0	525.0	65.0	60.0	315.0	310.0	60.0	60.0
Rhode Island	1.4	1.6	0.8	0.8	0.4	0.5	0.5	0.5	0.2	0.2
South Carolina ..	170.0	174.0	15.0	15.0	33.0	28.0	7.0	6.0	10.0	9.0
South Dakota	1,664.0	1,801.0	116.0	119.0	395.0	435.0	45.0	45.0	530.0	500.0
Tennessee	909.0	910.0	41.0	40.0	145.0	135.0	35.0	25.0	90.0	80.0
Texas	4,460.0	4,585.0	490.0	515.0	810.0	800.0	260.0	250.0	1,350.0	1,470.0
Utah	338.0	338.0	92.0	97.0	85.0	75.0	55.0	50.0	60.0	60.0
Vermont	14.0	15.0	129.0	128.0	5.5	5.0	56.0	57.0	6.5	6.0
Virginia	643.0	633.0	87.0	87.0	112.0	100.0	38.0	40.0	70.0	70.0
Washington	225.0	236.0	275.0	274.0	58.0	52.0	120.0	123.0	117.0	115.0
West Virginia	207.0	203.0	8.0	7.0	38.0	37.0	4.0	3.0	17.0	18.0
Wisconsin	290.0	285.0	1,280.0	1,275.0	80.0	80.0	710.0	700.0	50.0	50.0
Wyoming	714.0	714.0	6.0	6.0	185.0	160.0	3.0	4.0	137.0	136.0
United States	31,213.2	31,723.0	9,346.0	9,399.6	6,368.2	6,131.2	4,754.0	4,781.3	9,009.8	9,332.3

See footnote(s) at end of table.

Table 7-4.—Cattle and calves, Jan. 1: Number by class, State and United States, 2017–2018—Continued

State	Steers, 500 pounds and over		Bulls, 500 pounds and over		Calves under 500 pounds	
	2017	2018	2017	2018	2017	2018
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Alabama	50.0	40.0	50.0	50.0	340.0	365.0
Alaska	0.5	0.5	2.7	2.3	3.2	3.5
Arizona	265.0	275.0	20.0	20.0	115.0	145.0
Arkansas	110.0	110.0	60.0	60.0	420.0	425.0
California	600.0	620.0	70.0	70.0	1,030.0	1,020.0
Colorado	850.0	810.0	55.0	55.0	175.0	180.0
Connecticut	2.0	2.0	0.5	0.5	9.0	9.5
Delaware	1.9	2.1	0.3	0.3	3.0	4.0
Florida	30.0	20.0	60.0	55.0	390.0	360.0
Georgia	37.0	35.0	33.0	35.0	270.0	275.0
Hawaii	10.0	11.0	4.0	4.0	34.0	34.0
Idaho	310.0	310.0	40.0	40.0	300.0	310.0
Illinois	240.0	195.0	25.0	25.0	240.0	225.0
Indiana	108.0	104.0	17.0	16.0	190.0	185.0
Iowa	1,310.0	1,390.0	70.0	70.0	480.0	520.0
Kansas	2,050.0	2,020.0	95.0	95.0	695.0	615.0
Kentucky	215.0	195.0	70.0	70.0	500.0	500.0
Louisiana	25.0	23.0	31.0	31.0	155.0	167.0
Maine	4.0	4.0	1.5	1.5	15.5	14.5
Maryland	14.0	17.0	4.0	4.0	32.0	29.0
Massachusetts	2.0	2.0	1.0	1.0	7.0	7.0
Michigan	169.0	180.0	16.0	15.0	215.0	205.0
Minnesota	500.0	475.0	35.0	35.0	490.0	455.0
Mississippi	42.0	48.0	38.0	38.0	195.0	195.0
Missouri	460.0	390.0	120.0	120.0	980.0	1,070.0
Montana	230.0	210.0	100.0	105.0	130.0	105.0
Nebraska	2,290.0	2,480.0	110.0	110.0	290.0	330.0
Nevada	45.0	40.0	14.0	15.0	55.0	56.0
New Hampshire	1.5	2.0	0.5	0.5	6.5	7.5
New Jersey	2.1	2.1	1.0	1.0	4.4	4.4
New Mexico	120.0	130.0	35.0	40.0	185.0	195.0
New York	45.0	47.0	20.0	18.0	255.0	240.0
North Carolina	43.0	37.0	31.0	30.0	225.0	220.0
North Dakota	255.0	240.0	65.0	70.0	100.0	110.0
Ohio	220.0	210.0	30.0	30.0	245.0	250.0
Oklahoma	900.0	950.0	160.0	155.0	890.0	880.0
Oregon	155.0	145.0	40.0	40.0	170.0	160.0
Pennsylvania	160.0	130.0	25.0	25.0	285.0	295.0
Rhode Island	0.5	0.5	0.1	0.1	0.7	0.8
South Carolina	8.0	10.0	15.0	16.0	82.0	82.0
South Dakota	740.0	680.0	100.0	110.0	260.0	310.0
Tennessee	135.0	150.0	65.0	60.0	410.0	430.0
Texas	2,590.0	2,570.0	340.0	340.0	2,000.0	1,970.0
Utah	80.0	80.0	27.0	25.0	83.0	75.0
Vermont	4.0	4.0	3.0	3.0	42.0	42.0
Virginia	165.0	160.0	40.0	40.0	365.0	350.0
Washington	190.0	200.0	18.0	20.0	147.0	140.0
West Virginia	39.0	41.0	15.0	15.0	77.0	71.0
Wisconsin	400.0	380.0	30.0	30.0	710.0	700.0
Wyoming	160.0	175.0	40.0	40.0	85.0	85.0
United States	16,383.5	16,352.2	2,243.6	2,252.2	14,386.3	14,427.2

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Table 7-5.—Cows and calf crop: Cows and heifers that have calved, Jan. 1, 2016–2017, and calves born, by State and United States, 2015–2016

State	Cows and heifers that have calved		Calves born	
	Jan. 1		2015	2016
	2016	2017		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Alabama	680.0	700.0	580.0	600.0
Alaska	4.3	5.0	3.5	4.0
Arizona	375.0	380.0	295.0	320.0
Arkansas	900.0	920.0	760.0	780.0
California	2,370.0	2,410.0	1,960.0	1,850.0
Colorado	920.0	960.0	800.0	830.0
Connecticut	25.0	24.0	19.5	18.5
Delaware	7.5	7.5	6.0	6.0
Florida	1,030.0	1,030.0	800.0	810.0
Georgia	590.0	580.0	490.0	490.0
Hawaii	75.0	76.0	60.0	59.0
Idaho	1,090.0	1,100.0	940.0	930.0
Illinois	490.0	480.0	415.0	410.0
Indiana	380.0	395.0	335.0	340.0
Iowa	1,150.0	1,180.0	1,060.0	1,090.0
Kansas	1,630.0	1,720.0	1,330.0	1,480.0
Kentucky	1,080.0	1,080.0	970.0	980.0
Louisiana	455.0	460.0	345.0	350.0
Maine	40.0	41.0	30.0	32.0
Maryland	92.0	90.0	75.0	68.0
Massachusetts	18.0	18.0	17.0	17.0
Michigan	520.0	545.0	390.0	410.0
Minnesota	810.0	830.0	770.0	800.0
Mississippi	510.0	485.0	400.0	380.0
Missouri	1,990.0	2,140.0	1,750.0	1,890.0
Montana	1,500.0	1,500.0	1,470.0	1,450.0
Nebraska	1,910.0	1,980.0	1,650.0	1,700.0
Nevada	245.0	250.0	200.0	200.0
New Hampshire	18.5	18.5	13.5	13.5
New Jersey	14.5	14.0	10.0	9.5
New Mexico	730.0	790.0	550.0	610.0
New York	730.0	730.0	530.0	560.0
North Carolina	410.0	415.0	360.0	370.0
North Dakota	920.0	970.0	830.0	910.0
Ohio	550.0	550.0	460.0	480.0
Oklahoma	1,960.0	2,130.0	1,730.0	1,870.0
Oregon	650.0	670.0	620.0	640.0
Pennsylvania	700.0	710.0	570.0	560.0
Rhode Island	2.4	2.2	2.2	2.2
South Carolina	190.0	185.0	140.0	148.0
South Dakota	1,780.0	1,780.0	1,650.0	1,690.0
Tennessee	930.0	950.0	850.0	840.0
Texas	4,750.0	4,950.0	4,050.0	4,250.0
Utah	420.0	430.0	390.0	380.0
Vermont	144.0	143.0	110.0	105.0
Virginia	720.0	730.0	650.0	650.0
Washington	500.0	500.0	420.0	430.0
West Virginia	210.0	215.0	190.0	200.0
Wisconsin	1,550.0	1,570.0	1,380.0	1,420.0
Wyoming	710.0	720.0	660.0	660.0
United States	39,476.2	40,559.2	34,086.7	35,092.7

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Table 7-6.—Cattle and calves: All cattle on feed, United States, Jan. 1, 2008–2017 ¹

Year	Inventory
	<i>Thousands</i>
2008	14,826.7
2009	13,899.7
2010	13,727.6
2011	14,131.5
2012	14,355.3
2013	13,703.3
2014	12,949.3
2015	13,025.0
2016	13,157.0
2017	13,067.0

¹ Cattle and calves on feed are steers and heifers for slaughter market being fed a ration of grain or other concentrates and are expected to produce a carcass that will grade select or better.
 NASS, Livestock Branch, (202) 720–3570.

Table 7-7.—Cattle and calves: Total number on feed by State and United States, Jan. 1, 2016–2017

State	2016	2017
	<i>1,000 head</i>	<i>1,000 head</i>
Arizona	257.0	253.0
California	450.0	430.0
Colorado	910.0	940.0
Idaho	250.0	270.0
Illinois	240.0	260.0
Indiana	115.0	110.0
Iowa	1,230.0	1,160.0
Kansas	2,230.0	2,300.0
Kentucky	17.0	18.0
Maryland	9.0	9.0
Michigan	170.0	145.0
Minnesota	405.0	375.0
Missouri	100.0	110.0
Montana	50.0	45.0
Nebraska	2,520.0	2,470.0
Nevada	2.0	3.0
New York	16.0	20.0
North Dakota	55.0	50.0
Ohio	160.0	150.0
Oklahoma	280.0	310.0
Oregon	75.0	85.0
Pennsylvania	85.0	95.0
South Dakota	435.0	380.0
Texas	2,440.0	2,430.0
Utah	27.0	20.0
Virginia	22.0	20.0
Washington	195.0	190.0
West Virginia	4.0	4.0
Wisconsin	275.0	270.0
Wyoming	70.0	75.0
Other States ¹	63.0	70.0
United States	13,157.0	13,067.0

¹ Individual state estimates not available for states not shown, but are included in Other States. NASS, Livestock Branch, (202) 720-3570.

Table 7-8.—Cattle: Average price per 100 pounds, by grades, at Nebraska Direct, Worthing, SD and Louisville, KY, 2008–2017

Year	Nebraska		Worthing, SD		Louisville, KY	
	Choice		Cows ¹		Cows	
	Steers ²	Heifers ³	Commercial	Breaking utility	Breaking utility	85-95% Lean
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2008	93.07	93.04	63.15	61.32	52.80	42.99
2009	82.70	82.71	53.94	54.32	46.61	37.95
2010	95.81	95.41	(NA)	61.49	53.98	41.70
2011	111.52	111.55	74.25	71.34	67.20	53.92
2012	123.11	124.18	83.95	78.90	76.55	62.71
2013	127.13	127.37	84.83	78.52	79.22	71.00
2014	154.03	154.67	108.79	109.08	105.26	83.56
2015	148.71	148.09	100.39	104.29	99.14	78.27
2016	117.74	119.69	82.14	76.40	(NA)	(NA)
2017	121.43	121.92	83.72	71.65	(NA)	(NA)

(NA) Not available. ¹ All weights; simple average of price range. ² 1,100 to 1,500 pound weight range; weighted average of price range. ³ 1,000 to 1,300 pound weight range; simple average of price range. AMS, Livestock and Grain Market News, (202) 720-7316.

Table 7-9.—Cattle and calves: Production, disposition, cash receipts, and gross income, United States, 2008-2017

Year	Calf crop ¹	Death loss		Marketings ²		Inshipments ³	Farm slaughter Cattle and calves
		Cattle	Calves	Cattle	Calves		
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
2008	36,158	1,760	2,314	44,238	8,752	19,769	176
2009	35,939	1,741	2,323	43,369	8,530	19,550	167
2010	35,740	1,736	2,265	44,658	8,874	20,757	157
2011	35,357	1,787	2,230	44,875	8,401	20,357	148
2012	34,469	1,752	2,171	43,578	8,337	20,443	139
2013	33,730	1,730	2,140	43,259	8,007	19,965	128
2014	33,522	1,720	2,130	41,526	7,849	20,443	124
2015	34,087	1,736	2,144	40,427	7,397	20,508	116
2016	35,093	1,736	2,140	41,746	7,651	20,089	123
2017	35,808	1,784	2,144	44,309	7,788	21,027	116

Year	Production (live weight) ⁴	Value of production	Cash receipts ⁵	Value of home consumption	Gross income ⁶	Average price per 100 pounds received by farmers	
						Cattle	Calves
	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Dollars	Dollars
2008	41,586,134	35,597,898	48,394,131	404,745	48,798,876	89.10	110.00
2009	41,033,359	31,897,074	43,720,324	368,285	44,088,609	80.30	105.00
2010	41,379,839	36,850,474	51,246,136	405,789	51,651,925	92.20	117.00
2011	41,483,945	45,059,200	62,321,217	478,871	62,800,088	113.00	142.00
2012	40,920,479	48,059,904	66,090,126	525,630	66,615,756	121.00	172.00
2013	40,695,232	48,478,687	67,457,442	509,175	67,966,617	125.00	181.00
2014	40,171,339	59,921,694	81,478,368	610,809	82,089,177	152.00	261.00
2015	41,456,124	59,835,760	78,128,981	588,171	78,717,152	147.00	247.00
2016	42,691,563	48,563,880	63,672,844	472,468	64,145,312	119.00	158.00
2017	44,597,831	50,220,387	67,351,377	452,026	67,803,403	118.00	168.00

¹ Calves born during the year. ² Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ³ Includes cattle shipped in from other States, but excludes cattle for immediate slaughter. ⁴ Adjustments made for changes in inventory and for inshipments. ⁵ Receipts from marketings and sale of farm slaughter. ⁶ Cash receipts from sales of cattle, calves, beef, and veal plus value of cattle and calves slaughtered for home consumption.

NASS, Livestock Branch, (202) 720-3570.

Table 7-10.—Cattle: Weighted average weight and price per 100 pounds, Texas-Oklahoma, Kansas, Colorado, Nebraska, Iowa-So. Minnesota Feedlots, 2008-2017 ¹

Year	Steers SE/CH 65-80%			Steers SE/CH 35-65%		
	Price	Average Weight	Number of Head	Price	Average Weight	Number of Head
	Dollars	Pounds		Dollars	Pounds	
2008 ...	93.37	1,360	344,633	93.16	1,294	1,757,049
2009 ...	82.81	1,376	476,823	83.59	1,314	1,474,925
2010 ...	95.00	1,359	561,173	95.95	1,301	1,329,021
2011 ...	114.45	1,364	518,689	114.92	1,304	1,101,808
2012 ...	122.84	1,402	458,382	123.06	1,312	743,859
2013 ...	126.27	1,408	384,642	126.35	1,338	517,782
2014 ...	154.25	1,410	548,667	152.15	1,339	386,051
2015 ...	147.64	1,432	341,078	149.00	1,366	228,126
2016 ...	120.04	1,429	735,708	121.29	1,369	276,086
2017 ...	122.85	1,454	845,341	123.13	1,313	235,130

Year	Heifers SE/CH 65-80%			Heifers SE/CH 35-65%		
	Price	Average Weight	Number of Head	Price	Average Weight	Number of Head
	Dollars	Pounds		Dollars	Pounds	
2008 ...	92.95	1,229	342,547	93.22	1,170	1,317,211
2009 ...	82.88	1,252	498,481	83.63	1,180	1,136,234
2010 ...	95.41	1,227	562,788	96.22	1,166	1,159,191
2011 ...	114.05	1,222	508,487	114.64	1,167	928,633
2012 ...	123.38	1,255	412,483	123.31	1,173	577,535
2013 ...	126.09	1,266	320,285	126.36	1,198	335,205
2014 ...	154.37	1,279	322,272	152.18	1,204	218,658
2015 ...	148.20	1,289	220,073	147.73	1,235	97,078
2016 ...	120.99	1,288	400,528	121.67	1,231	103,739
2017 ...	122.87	1,251	404,560	123.25	1,194	86,001

¹ Sales FOB the feedyard. Estimated net weights after 3-4% shrink. AMS, Livestock and Grain Market News, (202) 720-7316.

Table 7-11.—Cattle: Receipts at selected markets, 2008–2017

Year	Oklahoma City	Fort Collins	Amarillo	South St. Joseph	Sioux Falls
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2008	465	80	43	84	90
2009	501	67	56	96	43
2010	492	63	74	105	153
2011	468	30	60	94	104
2012	399	72	43	121	153
2013	409	46	35	90	156
2014	382	42	37	86	140
2015	368	43	21	88	139
2016	368	51	34	91	179
2017	369	15	39	98	174

AMS, Livestock & Grain Market News, (202) 720-7316.

Table 7-12.—Cattle and calves: Number slaughtered, United States, 2008–2017

Year	Cattle slaughter					Calf slaughter				
	Commercial			Farm	Total	Commercial			Farm	Total
	Federally inspected	Other	Total ¹			Federally inspected	Other	Total ¹		
	<i>1,000 head</i>									
2008 ...	33,805	560	34,365	140	34,505	942	15	957	36	993
2009 ...	32,765	573	33,338	132	33,470	930	14	944	35	979
2010 ...	33,702	547	34,249	124	34,373	864	14	879	33	912
2011 ...	33,555	532	34,087	119	34,205	839	14	853	30	882
2012 ...	32,426	525	32,951	112	33,062	760	12	772	27	800
2013 ...	31,947	515	32,462	103	32,565	751	11	762	26	788
2014 ...	29,682	486	30,168	98	30,266	558	8	566	26	591
2015 ...	28,296	455	28,752	92	28,844	446	7	453	24	476
2016 ...	30,114	464	30,578	98	30,676	480	8	488	25	513
2017 ...	31,704	485	32,189	91	32,281	503	9	512	25	537

¹Totals are based on unrounded numbers.
NASS, Livestock Branch, (202) 720-3570.**Table 7-13.—Cattle and calves: Number slaughtered under Federal inspection, and average live weight, 2008–2017**

Year	Cattle		Calves	
	Number slaughtered	Average live weight ¹	Number slaughtered	Average live weight ¹
	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>
2008	33,805	1,284	942	255
2009	32,765	1,296	930	248
2010	33,702	1,282	864	260
2011	33,555	1,280	839	260
2012	32,426	1,305	760	257
2013	31,947	1,317	751	248
2014	29,682	1,333	558	281
2015	28,296	1,364	446	309
2016	30,114	1,365	480	264
2017	31,704	1,351	512	248

¹Excludes postmortem condemnations.
NASS, Livestock Branch, (202) 720-3570.

Table 7-14.—Cattle and calves: Number slaughtered commercially, total and average live weight, by State and United States, 2017¹

State	Cattle			Calves		
	Number slaughtered	Total live weight ²	Average live weight ²	Number slaughtered	Total live weight ²	Average live weight ²
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
Alabama	6.2	6,589	1,061	0.2	63	360
Alaska	0.8	944	1,167	(Y)	(Y)	(Y)
Arizona	561.7	759,354	1,354	(Y)	(Y)	(Y)
Arkansas	5.5	5,376	974	(D)	(D)	(D)
California	1,336.3	1,767,571	1,333	96.3	9,073	96
Colorado	2,523.0	3,467,156	1,376	(D)	(D)	(D)
Delaware-Maryland ...	38.5	51,257	1,331	(D)	(D)	(D)
Florida	44.0	50,898	1,167	0.7	261	401
Georgia	(D)	(D)	(D)	1.6	768	470
Hawaii	10.1	11,963	1,182	(D)	(D)	(D)
Idaho	181.8	227,064	1,273	21.4	1,737	81
Illinois	(D)	(D)	(D)	0.8	304	400
Indiana	33.6	37,110	1,105	(D)	(D)	(D)
Iowa	(D)	(D)	(D)	(D)	(D)	(D)
Kansas	6,546.9	8,813,971	1,347	0.3	129	421
Kentucky	18.0	19,244	1,068	(D)	(D)	(D)
Louisiana	5.5	4,508	813	(D)	(D)	(D)
Michigan	526.7	734,210	1,403	1.2	370	299
Minnesota	(D)	(D)	(D)	(Y)	(Y)	(Y)
Mississippi	3.4	2,682	789	0.2	82	472
Missouri	42.3	48,051	1,135	0.3	111	394
Montana	22.9	31,094	1,357	0.1	25	460
Nebraska	7,462.5	10,463,266	1,403	(Y)	(Y)	(Y)
Nevada	1.7	1,814	1,054	(D)	(D)	(D)
New England ³	23.4	27,255	1,169	3.1	578	184
New Jersey	38.5	41,954	1,094	22.3	8,297	372
New Mexico	3.7	3,967	1,079	(Y)	(Y)	(Y)
New York	37.1	44,265	1,207	60.7	7,099	119
North Carolina	67.5	82,842	1,232	1.0	435	425
North Dakota	9.7	12,416	1,279	(D)	(D)	(D)
Ohio	54.4	63,173	1,162	123.8	23,781	193
Oklahoma	28.3	29,188	1,032	0.3	122	452
Oregon	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	1,013.2	1,235,500	1,223	98.2	42,002	428
South Carolina	177.4	218,370	1,238	(D)	(D)	(D)
South Dakota	403.8	568,143	1,415	(D)	(D)	(D)
Tennessee	75.2	70,261	959	0.3	120	422
Texas	5,641.8	7,343,706	1,305	2.7	1,189	434
Utah	634.0	853,025	1,348	(D)	(D)	(D)
Virginia	14.6	15,605	1,069	0.8	270	327
Washington	1,110.1	1,511,750	1,365	(D)	(D)	(D)
West Virginia	9.5	9,767	1,027	(D)	(D)	(D)
Wisconsin	1,328.5	1,842,483	1,395	57.9	27,049	468
Wyoming	5.1	5,754	1,124	(D)	(D)	(D)
United States	32,189.4	43,315,068	1,349	512.3	127,319	250

(D) Withheld to avoid disclosing data for individual operations. (Y) Less than level of precision shown. ¹Includes 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. ²Excludes postmortem condemnations. ³New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-15.—Cattle and calves: Production, disposition, cash receipts, and gross income, by State and United States, 2017

State	Marketings ¹		Inship-ments ²	Farm slaugh-ter ³	Production (live weight) ⁴	Value of production	Cash receipts ⁵	Value of home con-sump-tion	Gross income ⁶
	Cattle	Calves							
	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
Alabama	475.0	75.0	12.0	2.0	614,928	518,708	499,875	4,078	503,953
Alaska	2.3	0.1	0.3	0.4	3,678	4,182	3,022	447	3,469
Arizona	550.0	100.5	415.0	1.5	510,792	584,578	807,233	2,473	809,706
Arkansas	627.0	238.0	155.0	1.0	524,475	450,154	532,711	4,058	536,769
California	1,952.0	316.0	675.0	7.0	1,945,416	2,075,234	2,625,413	10,785	2,636,198
Colorado	2,174.0	100.5	1,571.0	1.5	1,774,682	2,042,279	3,445,352	8,014	3,453,366
Connecticut	8.0	7.5	2.3	0.3	13,024	15,034	13,701	814	14,515
Delaware	3.7	2.3	1.1	0.2	4,737	5,318	5,700	322	6,022
Florida	229.0	610.5	37.0	1.5	421,822	501,798	580,080	3,417	583,497
Georgia	283.0	206.0	15.0	2.0	330,155	331,378	369,949	4,538	374,487
Hawaii	11.3	42.0	-	0.2	34,084	43,891	41,502	506	42,008
Idaho	1,105.0	163.0	440.0	4.0	1,211,600	1,376,883	1,661,577	11,489	1,673,066
Illinois	462.0	82.0	110.0	7.0	534,354	655,603	787,154	17,915	805,069
Indiana	317.0	117.0	115.0	5.0	280,980	293,240	390,459	14,977	405,436
Iowa	2,396.5	101.5	1,695.0	2.0	2,131,113	2,572,230	4,058,710	23,005	4,081,715
Kansas	5,129.0	4.0	3,840.0	2.0	4,300,654	4,508,849	8,265,159	16,170	8,281,329
Kentucky	505.5	425.5	38.0	3.0	616,283	722,468	740,215	10,116	750,331
Louisiana	118.0	181.0	2.0	1.0	215,004	237,500	206,350	1,323	207,673
Maine	16.2	14.5	3.1	0.3	16,994	18,653	22,537	982	23,519
Maryland	38.5	21.3	5.5	0.2	59,915	65,049	61,303	2,010	63,313
Massachusetts	7.3	8.5	0.9	0.1	9,675	10,690	9,145	1,150	10,295
Michigan	375.0	41.0	55.0	3.0	493,986	519,426	570,066	15,026	585,092
Minnesota	1,261.0	105.5	655.0	4.5	1,401,917	1,461,927	1,993,904	23,592	2,017,496
Mississippi	214.0	112.0	12.0	2.0	229,923	210,863	189,109	3,880	192,989
Missouri	977.0	892.0	160.0	6.0	1,400,718	1,864,098	1,916,610	23,922	1,940,532
Montana	1,444.5	160.5	113.0	3.0	1,150,243	1,314,684	1,492,260	13,997	1,506,257
Nebraska	6,607.0	92.0	5,560.0	1.0	5,753,607	6,168,424	11,165,477	13,651	11,179,128
Nevada	196.0	89.0	104.0	1.0	202,723	243,176	305,842	2,340	308,182
New Hampshire	4.0	6.1	0.7	0.4	7,615	8,990	6,482	1,686	8,168
New Jersey	3.6	5.0	1.2	0.2	6,108	7,143	6,181	938	7,119
New Mexico	728.0	75.5	306.0	1.5	604,038	694,496	823,808	5,404	829,212
New York	230.4	290.1	22.0	2.5	285,424	315,300	328,883	12,599	341,482
North Carolina	222.5	142.5	7.0	1.0	296,717	277,545	294,288	3,424	297,712
North Dakota	864.6	110.3	115.0	1.1	780,191	954,688	1,010,830	6,622	1,017,452
Ohio	449.0	25.0	40.0	5.0	548,506	584,987	598,140	23,036	621,176
Oklahoma	2,262.0	355.0	1,000.0	3.0	2,315,743	2,857,810	3,258,590	19,400	3,277,990
Oregon	524.0	211.0	120.0	4.0	592,400	695,260	819,795	10,818	830,613
Pennsylvania	390.0	212.0	70.0	4.0	497,634	567,112	625,151	16,867	642,018
Rhode Island	0.5	1.0	0.2	0.2	1,143	1,267	572	508	1,080
South Carolina	124.0	14.0	5.0	2.0	157,932	130,606	131,700	2,546	134,246
South Dakota	1,764.0	500.0	718.0	1.0	1,727,172	2,199,747	2,602,080	11,367	2,613,447
Tennessee	491.0	325.0	41.0	3.0	568,444	545,407	566,248	9,718	575,966
Texas	5,552.0	252.0	2,160.0	6.0	6,302,869	7,433,833	8,827,816	25,017	8,852,833
Utah	376.0	35.5	55.0	2.5	373,036	415,056	489,911	8,023	497,934
Vermont	33.8	61.4	3.1	0.9	53,191	62,689	59,828	3,203	63,031
Virginia	369.0	258.0	13.0	3.0	459,345	435,286	462,978	6,386	469,364
Washington	503.0	5.0	130.0	5.0	613,675	664,438	758,267	10,512	768,779
West Virginia	128.0	81.5	20.0	1.5	154,166	175,922	192,638	5,617	198,255
Wisconsin	1,068.0	378.3	163.0	4.7	1,519,997	1,687,348	1,829,566	28,238	1,857,804
Wyoming	737.0	135.5	245.0	0.5	545,003	689,140	897,210	5,100	902,310
United States ...	44,309.2	7,788.4	21,027.4	115.7	44,597,831	50,220,387	67,351,377	452,026	67,803,403

- Represents zero. ¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Includes cattle shipped in from other states, but excludes cattle for immediate slaughter. ³ Excludes custom slaughter for farmers at commercial establishments. ⁴ Adjustments made for changes in inventory and for inshipments. ⁵ Includes receipts from marketings and sales of farm-slaughter. ⁶ Includes cash receipts from sales of cattle, calves, beef, and veal plus value of cattle and calves slaughtered for home consumption.

NASS, Livestock Branch, (202) 720-3570.

Table 7-16.—Cattle and calves: Inventory Jan 1, 2016–2017, and number of operations, 2012, by State and United States ¹

State	January 1 Cattle inventory		Operations with cattle ²
	2016	2017	2012
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Number</i>
Alabama	1,250.0	1,300.0	21,149
Alaska	11.0	13.0	134
Arizona	900.0	970.0	6,029
Arkansas	1,700.0	1,750.0	25,866
California	5,150.0	5,150.0	16,764
Colorado	2,700.0	2,850.0	13,970
Connecticut	49.0	48.0	1,452
Delaware	16.0	16.0	431
Florida	1,680.0	1,700.0	21,255
Georgia	1,100.0	1,110.0	17,188
Hawaii	140.0	142.0	1,314
Idaho	2,390.0	2,370.0	10,957
Illinois	1,180.0	1,220.0	16,550
Indiana	890.0	890.0	17,370
Iowa	3,950.0	3,900.0	26,827
Kansas	6,250.0	6,400.0	27,568
Kentucky	2,170.0	2,170.0	40,141
Louisiana	770.0	780.0	13,687
Maine	81.0	84.0	2,423
Maryland	190.0	186.0	3,499
Massachusetts	38.0	38.0	1,423
Michigan	1,140.0	1,180.0	13,626
Minnesota	2,420.0	2,410.0	23,702
Mississippi	940.0	890.0	15,940
Missouri	4,100.0	4,350.0	53,401
Montana	2,650.0	2,650.0	11,845
Nebraska	6,450.0	6,450.0	23,280
Nevada	435.0	445.0	1,822
New Hampshire	35.0	35.0	1,091
New Jersey	28.0	28.0	1,224
New Mexico	1,370.0	1,430.0	12,796
New York	1,460.0	1,500.0	13,559
North Carolina	800.0	830.0	19,548
North Dakota	1,710.0	1,820.0	9,868
Ohio	1,250.0	1,300.0	25,501
Oklahoma	4,800.0	5,000.0	51,043
Oregon	1,310.0	1,320.0	14,351
Pennsylvania	1,600.0	1,620.0	25,189
Rhode Island	5.0	4.6	300
South Carolina	340.0	340.0	8,121
South Dakota	3,900.0	3,850.0	15,583
Tennessee	1,830.0	1,830.0	38,826
Texas	11,800.0	12,300.0	151,362
Utah	840.0	820.0	8,625
Vermont	260.0	260.0	2,784
Virginia	1,490.0	1,520.0	23,911
Washington	1,150.0	1,150.0	11,861
West Virginia	390.0	405.0	12,067
Wisconsin	3,500.0	3,550.0	29,908
Wyoming	1,310.0	1,330.0	6,115
United States	91,918.0	93,704.6	913,246

¹ An operation is any place having one or more head of cattle on hand on December 31. ² State level estimates only available in conjunction with the Census of Agriculture every 5 years.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-17.—Cattle: Number slaughtered under Federal inspection and percentage distribution, by classes, 2008–2017¹

Year	Number						Percentage of total					
	Steers	Heifers	Cows			Bulls	Steers	Heifers	Cows			Bulls
			Dairy cows	Other cows	Total cows				Dairy cows	Other cows	Total cows	
<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>
2008 ...	16,949	10,091	2,591	3,569	6,161	605	50.1	29.9	7.7	10.6	18.2	1.8
2009 ...	16,312	9,743	2,815	3,325	6,140	570	49.8	29.7	8.6	10.1	18.7	1.7
2010 ...	16,596	10,047	2,807	3,630	6,437	622	49.2	29.8	8.3	10.8	19.1	1.8
2011 ...	16,539	9,726	2,914	3,798	6,712	579	49.3	29.0	8.7	11.3	20.0	1.7
2012 ...	16,160	9,269	3,102	3,344	6,446	551	49.8	28.6	9.6	10.3	19.9	1.7
2013 ...	16,003	9,132	3,125	3,130	6,255	557	50.1	28.6	9.8	9.8	19.6	1.7
2014 ...	15,378	8,377	2,816	2,565	5,380	548	51.8	28.2	9.5	8.6	18.1	1.8
2015 ...	15,331	7,351	2,915	2,236	5,151	462	54.2	26.0	10.3	7.9	18.2	1.6
2016 ...	16,495	7,698	2,886	2,543	5,428	494	54.8	25.6	9.6	8.4	18.0	1.6
2017 ...	16,771	8,611	2,988	2,784	5,773	550	52.9	27.2	9.4	8.8	18.2	1.7

¹ Totals and percentages based on unrounded data and may not equal sum of classes due to rounding.
NASS, Livestock Branch, (202) 720-3570.

Table 7-18.—Cattle and calves: Average dressed weight under Federal inspection, 2008–2017¹

Year	Cattle					Calves
	All cattle	Steers	Heifers	Cows	Bulls	
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	
2008	778	838	772	609	888	150
2009	784	847	782	610	878	147
2010	773	835	768	607	875	154
2011	773	841	773	596	868	154
2012	790	859	792	608	877	152
2013	796	863	794	620	880	146
2014	808	872	800	627	898	166
2015	829	892	818	644	915	183
2016	829	891	822	643	901	155
2017	817	877	812	642	896	145

¹ Excludes postmortem condemnations.
NASS, Livestock Branch, (202) 720-3570.

Table 7-19.—Beef cows: Inventory Jan 1, 2016 and 2017, and number of operations, 2012, by State and United States ¹

State	January 1 beef cow inventory		Operations with beef cows ²
	2016	2017	2012
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Number</i>
Alabama	673.0	714.0	19,685
Alaska	4.0	5.4	98
Arizona	180.0	187.0	4,851
Arkansas	893.0	924.0	23,385
California	600.0	660.0	10,925
Colorado	772.0	809.0	11,267
Connecticut	6.0	6.0	1,003
Delaware	2.5	2.5	296
Florida	905.0	886.0	18,433
Georgia	505.0	485.0	15,175
Hawaii	72.8	75.0	1,173
Idaho	503.0	510.0	8,336
Illinois	396.0	397.0	12,646
Indiana	196.0	208.0	11,218
Iowa	940.0	970.0	19,677
Kansas	1,488.0	1,507.0	23,272
Kentucky	1,021.0	1,033.0	33,823
Louisiana	442.0	473.0	12,115
Maine	10.0	10.0	1,354
Maryland	43.0	46.0	2,403
Massachusetts	6.0	6.5	849
Michigan	108.0	102.0	8,016
Minnesota	350.0	365.0	13,547
Mississippi	500.0	501.0	14,644
Missouri	1,902.0	2,166.0	46,161
Montana	1,486.0	1,497.0	10,598
Nebraska	1,852.0	1,910.0	19,313
Nevada	217.0	238.0	1,508
New Hampshire	4.5	4.5	683
New Jersey	7.5	9.0	871
New Mexico	415.0	483.0	11,004
New York	110.0	105.0	6,579
North Carolina	363.0	370.0	16,059
North Dakota	904.0	984.5	8,964
Ohio	284.0	296.0	16,922
Oklahoma	1,923.0	2,131.0	44,106
Oregon	524.0	536.0	11,557
Pennsylvania	170.0	215.0	11,880
Rhode Island	1.5	1.6	212
South Carolina	175.0	174.0	7,232
South Dakota	1,670.0	1,801.0	13,327
Tennessee	886.0	910.0	33,556
Texas	4,290.0	4,585.0	133,924
Utah	325.0	338.0	6,827
Vermont	13.0	15.0	1,295
Virginia	629.0	633.0	19,596
Washington	223.0	236.0	9,285
West Virginia	201.0	203.0	10,156
Wisconsin	270.0	285.0	13,020
Wyoming	704.0	714.0	5,080
United States	30,165.8	31,723.0	727,906

¹ An operation is any place having one or more beef cows on hand on December 31. ² State level estimates only available in conjunction with the Census of Agriculture every 5 years. NASS, Livestock Branch, (202) 720-3570.

Table 7-20.—Hogs and pigs: Inventory and value, Dec. 1, 2016–2017, and number of operations, 2012, by State and United States

State	Inventory		Value				Operations ¹
	2016	2017	Value per head		Total value		2012
			2016	2017	2016	2017	
	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>
Alabama	40.0	57.0	90	105	3,600	5,985	689
Alaska	1.5	1.5	200	220	300	330	37
Arizona	115.0	160.0	110	100	12,650	16,000	509
Arkansas	142.0	131.0	100	100	14,200	13,100	752
California	89.0	95.0	130	140	11,570	13,300	1,437
Colorado	670.0	750.0	109	100	73,030	75,000	1,001
Connecticut	3.6	2.7	135	140	486	378	318
Delaware	7.0	6.0	110	115	770	690	59
Florida	18.0	15.0	110	115	1,980	1,725	1,642
Georgia	65.0	80.0	92	98	5,980	7,840	866
Hawaii	10.0	5.0	155	165	1,550	825	231
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	680
Illinois	5,100.0	5,350.0	94	101	479,400	540,350	2,045
Indiana	4,100.0	4,050.0	95	101	389,500	404,000	2,757
Iowa	22,200.0	22,800.0	91	100	2,020,200	2,280,000	6,266
Kansas	1,910.0	2,110.0	85	95	162,350	199,500	1,010
Kentucky	430.0	410.0	86	90	36,980	36,450	1,284
Louisiana	7.0	6.0	105	110	735	660	658
Maine	4.6	4.5	110	115	506	518	752
Maryland	21.0	26.0	110	115	2,310	2,990	333
Massachusetts	8.0	7.5	110	100	880	750	478
Michigan	1,130.0	1,190.0	97	99	109,610	116,820	2,198
Minnesota	8,500.0	8,500.0	98	100	833,000	850,000	3,355
Mississippi	530.0	570.0	105	104	55,650	59,376	540
Missouri	3,100.0	3,400.0	93	98	288,300	333,200	2,128
Montana	175.0	179.0	105	110	18,375	19,690	406
Nebraska	3,400.0	3,600.0	90	95	306,000	342,234	1,476
Nevada	1.2	0.5	130	120	156	60	81
New Hampshire	3.2	3.4	107	110	342	374	359
New Jersey	11.0	12.5	110	115	1,210	1,438	298
New Mexico	1.7	1.6	110	110	187	176	211
New York	46.0	48.0	95	100	4,370	4,800	1,912
North Carolina	9,300.0	9,000.0	79	86	734,700	774,000	2,217
North Dakota	146.0	147.0	90	100	13,140	14,700	218
Ohio	2,700.0	2,950.0	95	105	256,500	304,918	3,494
Oklahoma	2,160.0	2,220.0	106	110	228,960	242,000	1,947
Oregon	13.0	9.0	110	115	1,430	1,035	1,124
Pennsylvania	1,210.0	1,250.0	101	96	122,210	119,109	3,097
Rhode Island	1.6	2.0	110	115	176	230	77
South Carolina	200.0	185.0	91	90	18,200	16,650	838
South Dakota	1,450.0	1,560.0	94	102	136,300	158,781	681
Tennessee	225.0	235.0	86	95	19,350	22,400	1,297
Texas	880.0	1,040.0	100	110	88,000	113,300	4,905
Utah	700.0	550.0	105	100	73,500	54,000	669
Vermont	4.0	3.7	130	130	520	481	450
Virginia	255.0	240.0	90	92	22,950	21,620	1,265
Washington	(D)	(D)	(D)	(D)	(D)	(D)	934
West Virginia	4.0	5.0	105	110	420	550	725
Wisconsin	335.0	305.0	94	100	31,490	30,000	2,270
Wyoming	92.0	90.0	110	100	10,120	9,000	270
Idaho and Washington	30.0	51.0	107	107	3,215	5,440	.....
United States	71,545.4	73,414.9	92	98	6,597,358	7,216,772	63,246

(D) Withheld to avoid disclosing data for individual operations. ¹ State level estimates only available in conjunction with the Census of Agriculture every 5 years. An operation is any place having one or more hogs and pigs on hand December 31. Totals may not add due to rounding.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-21.—Hogs and pigs: Operations, inventory and value, United States, Dec. 1, 2008–2017

Year	Inventory	Value	
		Per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	67,048	89.00	5,948,761
2009	64,687	83.00	5,399,951
2010	64,725	106.00	6,876,276
2011	66,259	123.00	8,145,260
2012	66,224	116.00	7,683,152
2013	64,775	138.00	8,921,842
2014	67,776	144.00	6,566,642
2015	68,919	96.00	6,626,607
2016	71,545	92.00	6,597,358
2017	73,445	98.00	7,216,772

NASS, Livestock Branch, (202) 720–3570.

Table 7-22.—Sows farrowing and pig crop: Number, United States 2008-2017

Year	Sows farrowing		Pig crop		
	Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2008	6,077	6,103	56,583	58,010	114,593
2009	5,982	5,874	57,111	56,977	114,088
2010	5,749	5,824	55,770	57,358	113,128
2011	5,694	5,846	56,469	58,616	115,085
2012	5,759	5,810	57,749	58,906	116,655
2013	5,595	5,670	57,020	58,115	115,135
2014	5,573	5,985	53,821	61,035	114,856
2015	5,749	5,946	59,219	62,191	121,410
2016	5,896	6,103	61,236	64,703	125,939
2017	5,999	6,221	62,935	66,530	129,465

NASS, Livestock Branch, (202) 720–3570.

Table 7-23.—Hogs and pigs: Number for breeding and market, United States, 2008–2017

Year	All hogs and pigs	Kept for breeding	Market hogs by weight groups				Total
			Under 50 pounds	50 to 119 pounds	120 to 179 pounds	180 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>
2008	67,100	6,131	19,782	17,637	12,790	10,761	60,969
2009	66,709	5,968	19,514	17,778	12,604	10,847	60,742
2010	64,650	5,788	19,224	16,832	12,154	10,653	58,862
2011	65,320	5,803	19,423	17,241	12,254	10,599	59,517
2012	66,469	5,862	19,746	17,924	12,243	10,694	60,607
2013	65,188	5,884	19,145	17,068	12,414	10,678	59,304
2014	61,568	5,855	18,254	15,801	11,491	10,166	55,713
2015	67,165	5,926	19,365	17,461	12,985	11,429	61,240
2016	68,421	5,979	19,846	17,848	13,291	11,456	63,302
2017	71,010	6,109	20,647	18,741	13,646	11,867	64,901
Dec. 1							
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2008	67,048	6,062	19,428	17,396	12,656	11,508	60,987
2009	64,687	5,850	18,705	16,782	12,199	11,152	58,837
2010	64,725	5,778	18,864	16,519	12,183	11,381	58,947
2011	66,259	5,803	19,447	16,618	12,473	11,918	60,456
2012	66,224	5,819	19,299	16,752	12,614	11,741	60,405
2013	64,775	5,757	18,389	16,080	12,576	11,972	59,018
2014	67,776	5,939	19,801	17,366	13,000	11,671	61,838
2015	68,919	6,002	20,008	17,262	13,370	12,276	62,917
2016	71,525	6,090	20,887	18,102	13,786	12,660	65,435
2017	73,445	6,179	21,482	18,594	14,005	13,184	67,266

NASS, Livestock Branch, (202) 720–3570.

Table 7-24.—Cattle and swine: Production, 2015–2017

Country	2015	2016	2017
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
Cattle:			
Argentina	14,200	14,000	14,200
Australia	9,394	6,600	9,050
Brazil	48,220	48,250	48,735
Canada	4,198	4,256	4,411
China	49,000	50,000	50,500
European Union	29,900	30,100	29,450
India	67,000	67,500	68,200
Mexico	6,850	7,100	7,485
New Zealand	5,040	5,060	4,714
Russia	6,620	6,600	6,480
Others	13,686	13,727	14,191
Total Foreign	254,108	253,193	257,416
United States	34,087	35,093	35,808
Total	288,195	288,286	293,224
Swine:			
Belarus	5,200	5,200	5,325
Brazil	39,050	39,635	40,230
Canada	29,002	28,822	29,175
China	696,600	672,500	689,500
European Union	265,287	266,000	267,500
Japan	16,700	16,900	16,785
Korea, South	17,600	18,384	18,550
Mexico	18,000	19,200	19,400
Russia	39,830	41,477	42,645
Ukraine	9,624	9,296	7,700
Others	4,921	5,028	.....
Total Foreign	1,141,814	1,122,442	1,136,810
United States	121,411	125,936	129,389
Total	1,263,225	1,248,378	1,266,199

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 7-25.—Hogs: Number slaughtered, United States, 2008–2017

Year	Commercial			Farm	Total
	Federally inspected	Other	Total ¹		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2008	115,421	1,031	116,452	106	116,558
2009	112,613	1,006	113,619	114	113,732
2010	109,315	945	110,260	107	110,367
2011	109,956	904	110,860	96	110,956
2012	112,265	898	113,163	83	113,247
2013	111,248	829	112,077	84	112,161
2014	106,123	753	106,876	82	106,958
2015	114,616	810	115,425	87	115,512
2016	117,388	832	118,220	84	118,304
2017	120,517	801	121,317	73	121,390

¹ Totals are based on unrounded number.
NASS, Livestock Branch, (202) 720-3570.

Table 7-26.—Sows farrowing and pig crop: Number by State and United States, 2016–2017

State	Sows farrowing							
	December ¹ –February		March–May		June–August		September–November	
	2016	2017	2016	2017	2016	2017	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Colorado	75	76	77	77	78	78	74	72
Illinois	250	265	255	255	260	265	260	265
Indiana	140	145	131	135	145	135	140	135
Iowa	500	510	500	510	510	520	560	550
Kansas	90	79	85	80	89	85	82	83
Michigan	51	50	48	50	50	54	49	53
Minnesota	275	275	285	300	310	300	300	315
Missouri	195	220	205	220	215	235	210	235
Nebraska	175	175	185	185	185	190	180	195
North Carolina ..	460	460	475	470	485	490	460	460
Ohio	91	91	88	97	92	97	96	100
Oklahoma	200	200	200	195	200	205	195	200
Pennsylvania	49	46	51	50	48	51	50	50
South Dakota ...	96	102	94	101	97	105	100	105
Texas	47	50	46	50	43	52	48	60
Utah	39	39	41	39	39	36	38	35
Other States ² ...	194	203	202	200	209	208	204	202
United States ³	2,927	2,986	2,968	3,014	3,057	3,106	3,046	3,115

State	Pig crop							
	December ¹ –February		March–May		June–August		September–November	
	2016	2017	2016	2017	2016	2017	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Colorado	731	752	785	801	788	850	770	734
Illinois	2,588	2,703	2,652	2,690	2,743	2,849	2,756	2,836
Indiana	1,428	1,486	1,362	1,418	1,537	1,397	1,442	1,397
Iowa	5,350	5,483	5,450	5,585	5,610	5,824	6,104	6,133
Kansas	918	790	893	800	935	901	869	896
Michigan	541	520	504	525	525	583	519	578
Minnesota	3,053	3,121	3,149	3,420	3,441	3,420	3,360	3,607
Missouri	1,882	2,211	2,040	2,255	2,172	2,385	2,195	2,444
Nebraska	1,978	2,021	2,109	2,118	2,100	2,214	2,088	2,282
North Carolina ..	4,554	4,554	4,869	4,700	4,947	4,925	4,738	4,692
Ohio	919	983	924	1,028	975	1,038	1,008	1,080
Oklahoma	2,060	2,060	2,060	2,067	2,130	2,173	2,057	2,140
Pennsylvania	500	474	525	525	502	541	525	520
South Dakota ...	1,032	1,153	1,011	1,146	1,043	1,187	1,090	1,202
Texas	376	495	361	365	419	406	475	552
Utah	339	339	385	351	371	324	342	315
Other States ² ...	1,890	2,001	2,018	1,996	2,093	2,058	2,031	2,048
United States ³	30,139	31,146	31,097	31,790	32,331	33,075	32,369	33,456

¹ December preceding year. ² Individual State estimates not available for the 34 other States. ³ Totals may not add due to rounding.
 NASS, Livestock Branch, (202) 720–3570.

Table 7-27.—Hogs: Production, disposition, cash receipts, and gross income, United States, 2008–2017

Year	Marketings ¹	Inshipments ²	Farm slaughter ³	Production (live weight) ⁴	Value of production ⁵	Cash receipts ⁶	Value of home consumption	Gross income	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
2008 ...	148,813	42,221	106	31,335,313	14,419,170	16,027,805	33,526	16,061,331	47.00
2009 ...	150,034	42,598	114	31,235,019	12,536,325	14,640,502	31,121	14,671,623	41.60
2010 ...	144,362	40,004	107	30,284,630	16,012,200	17,898,063	38,306	17,936,369	54.10
2011 ...	145,420	40,522	96	30,836,171	20,014,277	21,631,894	44,004	21,675,898	65.30
2012 ...	151,835	44,027	83	32,060,619	20,285,027	22,092,108	40,007	22,132,115	64.20
2013 ...	154,923	47,864	84	32,620,264	21,666,015	23,761,227	37,428	23,798,655	67.20
2014 ...	149,069	47,185	82	32,182,241	24,221,588	26,517,815	43,550	26,561,365	76.50
2015 ...	159,945	50,146	87	34,855,829	18,877,308	20,623,942	31,982	20,655,924	55.30
2016 ...	165,126	52,555	84	35,611,034	17,215,130	18,856,798	28,483	18,885,281	46.00
2017 ...	171,422	55,238	73	37,054,619	19,218,436	21,072,898	29,273	21,102,171	54.40

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Includes hogs and pigs shipped in from other states but excludes animals for immediate slaughter. ³ Excludes custom slaughter for farmers at commercial establishments. ⁴ Adjustments made for changes in inventory and for inshipments. ⁵ Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. ⁶ Receipts from marketings and sale of farm slaughter.
NASS Livestock Branch, (202) 720–3570.

Table 7-28.—Hogs: Direct receipts at interior markets, 2008–2017

Year	All receipts (live and carcass basis)			
	National	Iowa/ Southern Minnesota ¹	Western Region	Eastern Region
	Thousands	Thousands	Thousands	Thousands
2008	80,890	42,546	51,846	24,830
2009	81,443	44,628	53,331	23,065
2010	75,104	40,143	48,413	22,896
2011	75,514	41,479	49,649	22,643
2012	75,459	42,343	50,607	22,192
2013	71,599	40,744	48,202	20,929
2014	73,182	41,687	49,180	21,341
2015	78,212	44,997	53,076	22,298
2016	80,716	26,315	32,247	15,922
	Number	Number	Number	Number
2017	2,912,345	1,607,503	1,763,741	1,145,350

¹ Iowa / Southern Minnesota is a subset of the Western Region.
AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-29.—Hogs and corn: Hog-corn price ratio and average price received by farmers for corn, United States, 2008–2017

Year	Hog-corn price ratio ¹	Price of corn per bushel ²
		Dollars
2008	10.0	4.78
2009	11.2	3.75
2010	14.4	3.83
2011	11.0	6.02
2012	9.6	6.67
2013	11.3	6.15
2014	18.9	4.11
2015	14.5	3.70
2016	14.2	3.48
2017	14.1	3.40

¹ Number of bushels of corn equal in value 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 for the calendar year. ² Annual average is a simple average of monthly prices for the calendar year.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 7-30.—Hogs: Production, disposition, cash receipts, and gross income, by State and United States, 2017

State	Marketings ¹	Inshipments ²	Farm slaughter ³	Production (live weight) ⁴	Value of production ⁵	Cash receipts ^{5,6}	Value of home consumption	Gross income
	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	222.5	97.0	1.0	30,388	17,139	19,373	291	19,664
Alaska	4.2	2.6	0.8	1,191	641	643	115	758
Arizona	218.0	3.0	1.0	60,218	36,077	32,550	323	32,873
Arkansas	1,153.0	20.0	1.0	69,193	53,325	56,972	416	57,388
California	177.0	138.0	3.5	35,322	16,475	25,040	595	25,635
Colorado	3,068.0	118.0	2.0	241,158	165,803	166,120	315	166,435
Connecticut	4.2	0.4	0.2	1,060	568	513	106	619
Delaware	25.8	1.0	0.1	6,418	3,471	3,612	50	3,662
Florida	28.5	5.0	1.0	3,221	1,694	1,993	95	2,088
Georgia	584.3	181.0	1.7	68,391	36,147	40,227	480	40,707
Hawaii	8.6	3.7	1.6	1,577	821	1,225	309	1,534
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	11,880.0	1,684.0	3.0	2,181,101	1,226,794	1,282,510	896	1,283,406
Indiana	9,511.0	4,100.0	2.0	2,190,810	1,095,600	1,226,988	825	1,227,813
Iowa	49,183.0	30,400.0	4.0	12,826,223	6,176,700	7,119,125	2,058	7,121,183
Kansas	4,284.0	1,521.0	1.0	973,536	503,680	541,866	452	542,318
Kentucky	944.0	55.0	3.0	190,772	106,026	111,599	1,232	112,831
Louisiana	8.0	3.0	1.0	1,636	864	842	101	943
Maine	7.4	2.3	0.1	1,829	910	871	202	1,073
Maryland	47.5	11.7	0.1	10,884	5,765	6,095	95	6,190
Massachusetts	16.2	2.5	0.1	3,125	1,656	1,771	138	1,909
Michigan	2,622.0	551.0	2.0	679,602	359,309	372,690	607	373,297
Minnesota	21,073.0	8,850.0	2.0	4,462,873	2,248,814	2,612,223	1,257	2,613,480
Mississippi	1,136.0	4.0	4.0	148,032	86,644	83,749	711	84,460
Missouri	10,470.0	1,952.0	2.0	1,495,511	850,265	914,801	1,147	915,948
Montana	507.5	5.0	2.0	86,586	54,142	53,800	503	54,303
Nebraska	8,457.0	480.0	3.0	1,362,152	794,405	803,476	1,444	804,920
Nevada	3.7	1.4	0.1	828	440	440	30	559
New Hampshire	4.3	1.6	0.1	1,084	553	588	54	642
New Jersey	14.2	9.0	0.1	1,228	345	716	46	762
New Mexico	4.5	2.0	0.2	741	383	462	56	518
New York	60.9	18.0	0.8	7,596	4,703	4,784	887	5,671
North Carolina	17,731.0	606.0	1.0	4,249,667	2,270,058	2,344,429	668	2,345,097
North Dakota	947.5	142.0	0.5	46,888	42,000	56,826	153	56,979
Ohio	4,808.0	1,100.0	6.0	1,286,162	674,481	693,379	2,955	696,334
Oklahoma	8,380.0	482.0	2.0	1,741,287	914,803	917,650	444	918,094
Oregon	11.1	1.1	1.0	2,201	1,311	1,496	300	1,796
Pennsylvania	2,189.5	367.0	2.5	557,656	296,668	305,226	1,325	306,551
Rhode Island	2.7	-	0.1	641	347	310	24	334
South Carolina	224.0	81.0	1.0	43,114	22,394	24,847	904	25,751
South Dakota	5,245.0	830.0	2.0	824,584	489,525	534,060	1,552	535,612
Tennessee	604.0	142.0	2.0	158,926	81,415	84,959	752	85,711
Texas	2,088.0	661.0	4.0	369,146	195,572	197,338	1,960	199,298
Utah	1,367.5	83.0	0.5	255,817	159,186	172,573	144	172,717
Vermont	6.0	1.6	0.2	1,548	793	870	43	913
Virginia	328.7	280.0	1.5	74,626	30,835	46,224	618	46,842
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	4.1	0.2	0.2	1,356	735	557	94	651
Wisconsin	960.5	193.0	1.0	164,587	107,515	122,722	572	123,294
Wyoming	710.0	1.0	1.0	110,104	68,562	68,582	323	68,905
Idaho & Washington	86.2	44.3	2.0	22,023	12,077	13,067	606	13,673
United States ...	171,422.1	55,238.4	73.0	37,054,619	19,218,436	21,072,898	29,273	21,102,171

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹Excludes custom slaughter for use on farms where produced and interfarm sales within the State. ²Includes hogs and pigs shipped in from other States, but excludes animals for immediate slaughter. ³Excludes custom slaughter for farmers at commercial establishments. ⁴Adjustments made for changes in inventory and for inshipments. ⁵Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. ⁶Receipts from marketings and sale of farm-slaughter.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-31.—Hogs: Number slaughtered commercially, total and average live weight, by State and United States, 2017¹

State	Number slaughtered	Total live weight ²	Average live weight ²
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
Alabama	36.3	14,462	399
Alaska	2.0	532	264
Arizona	(D)	(D)	(D)
Arkansas	10.1	2,575	256
California	2,389.8	596,517	250
Colorado	21.1	5,065	240
Delaware & Maryland ...	20.2	5,222	259
Florida	58.4	7,522	129
Georgia	67.2	15,981	238
Hawaii	9.1	2,284	253
Idaho	164.4	43,022	262
Illinois	12,220.4	3,475,892	285
Indiana	8,926.6	2,480,605	278
Iowa	32,917.2	9,294,052	282
Kansas	(D)	(D)	(D)
Kentucky	(D)	(D)	(D)
Louisiana	11.2	2,255	201
Michigan	659.9	211,726	321
Minnesota	11,628.9	3,167,356	272
Mississippi	(D)	(D)	(D)
Missouri	9,294.5	2,679,517	288
Montana	18.7	5,230	280
Nebraska	8,003.5	2,235,549	279
Nevada	1.2	311	259
New England ³	38.5	10,117	263
New Jersey	102.9	10,346	101
New Mexico	2.6	687	264
New York	45.8	11,770	257
North Carolina	(D)	(D)	(D)
North Dakota	4.5	1,353	298
Ohio	1,006.1	277,373	276
Oklahoma	5,425.7	1,489,984	275
Oregon	166.0	43,399	262
Pennsylvania	3,499.7	949,550	271
South Carolina	(D)	(D)	(D)
South Dakota	(D)	(D)	(D)
Tennessee	773.3	352,137	456
Texas	300.1	72,797	243
Utah	53.7	10,263	192
Virginia	(D)	(D)	(D)
Washington	10.5	2,829	271
West Virginia	9.4	2,720	289
Wisconsin	743.2	326,266	440
Wyoming	4.1	1,128	274
United States	121,317.2	34,240,759	282

(D) Withheld to avoid disclosing data for individual operations. ¹ 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. ² Excludes postmortem condemnations. ³ Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

NASS, Livestock Branch, (202) 720-3570.

Table 7-32.—Hogs: Number slaughtered, average dressed and live weights, Federally inspected, 2008–2017 ¹

Year	Federally inspected					
	Barrows and gilts			Sows		
	Head	Percent of total	Avg. dressed weight ²	Head	Percent of total	Avg. dressed weight ²
	<i>1,000</i>		<i>Pounds</i>	<i>1,000</i>		<i>Pounds</i>
2008	111,461	96.6	198	3,502	3.0	308
2009	108,951	96.7	200	3,243	2.9	306
2010	105,983	97.0	201	2,966	2.7	305
2011	106,600	96.9	203	3,027	2.8	305
2012	108,912	97.0	203	3,009	2.7	306
2013	107,965	97.0	205	2,932	2.6	304
2014	102,998	97.1	212	2,788	2.6	305
2015	111,488	97.3	210	2,852	2.5	309
2016	114,184	97.3	209	2,885	2.5	310
2017	117,195	97.2	209	2,952	2.4	308

Year	Boars			Total		
	Head	Percent of total	Avg. dressed weight ²	Head	Avg. dressed weight ²	Avg. live weight ²
	<i>1,000</i>		<i>Pounds</i>	<i>1,000</i>	<i>Pounds</i>	<i>Pounds</i>
2008	458	0.4	208	115,421	201	268
2009	419	0.4	199	112,613	203	271
2010	366	0.3	200	109,315	204	273
2011	329	0.3	210	109,956	206	275
2012	344	0.3	208	112,265	206	275
2013	351	0.3	204	111,248	207	277
2014	337	0.3	204	106,123	214	285
2015	276	0.2	207	114,616	213	283
2016	319	0.3	206	117,388	211	282
2017	370	0.3	201	120,517	211	283

¹ All weights calculated using unrounded totals. Totals and percentages based on unrounded data and may not equal sum of classes due to rounding. ² Excludes postmortem condemnations. NASS, Livestock Branch, (202) 720-3570.

Table 7-33.—Lard: Supply and disappearance, United States, 2008–2017

Calendar year	Supply				Disappearance		
	Stocks Jan 1	Production	Imports	Total	Domestic	Exports	Total
	<i>Million lbs</i>	<i>Million lbs</i>	<i>Million lbs</i>	<i>Million lbs</i>	<i>Million lbs</i>	<i>Million lbs</i>	<i>Million lbs</i>
2008	14	874	7	894	801	81	882
2009	12	860	17	889	788	83	871
2010	18	840	15	873	776	72	847
2011	26	852	13	891	794	77	871
2012	20	871	14	905	830	55	885
2013	20	867	14	901	816	65	881
2014	20	852	16	888	821	47	868
2015	20	915	14	949	897	44	941
2016	9	932	10	951	901	42	943
2017	8	959	13	979	935	38	973

ERS, Market and Trade Economics Division, Field Crops Branch, (202) 694-5300.

Table 7-34.—Lard: United States exports by country of destination, 2015–2017

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Mexico	17,691	16,925	15,876
Canada	393	988	605
Korea, South	0	0	346
Marshall Islands	53	178	153
Ireland	100	73	97
Japan	860	0	43
Guatemala	0	0	29
Brazil	0	0	18
Micronesia	6	23	5
Netherlands Antilles(*)	0	0	4
Argentina	0	4	4
Dominican Republic	4	1	1
Algeria	0	2	0
Barbados	10	6	0
China	4	0	0
Czech Republic	12	0	0
Hong Kong	147	0	0
Jamaica	4	4	0
Nicaragua	7	0	0
Rest of World	476	847	0
World Total	19,768	19,050	17,181

(*) Denotes a country that is a summarization of its component countries.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-35.—Sheep and lambs: Inventory and value, United States, Jan. 1, 2008–2017

Year	Inventory	Value	
		Per head	Total
	<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	5,950	138.00	823,424
2009	5,747	133.00	765,194
2010	5,620	135.00	761,115
2011	5,470	170.00	929,453
2012	5,375	221.00	1,187,730
2013	5,360	177.00	951,020
2014	5,245	188.00	984,236
2015	5,280	214.00	1,129,447
2016	5,300	202.00	1,072,429
2017	5,250	203.00	1,063,818

NASS, Livestock Branch, (202) 720-3570.

Table 7-36.—Sheep and lambs: Number by class, United States, Jan. 1, 2008–2017

Year	All sheep and lambs	Breeding sheep			
		Total ¹	Replacement lambs	1 year and over	
				Ewes	Rams
	<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>
2008	5,950	4,432	697	3,540	195
2009	5,747	4,247	647	3,405	196
2010	5,620	4,185	655	3,335	195
2011	5,470	4,070	665	3,215	190
2012	5,375	3,995	660	3,165	170
2013	5,360	3,985	670	3,135	180
2014	5,245	3,900	635	3,090	175
2015	5,280	3,935	650	3,110	175
2016	5,300	3,945	665	3,105	175
2017	5,250	3,875	660	3,045	170

¹ Categories may not add to total due to rounding.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-37.—Lamb mutton, goat, etc. meat: U.S. imports, 2015–2017

Country	2015	2016	2017
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Australia(*)	78,600	80,948	92,417
New Zealand(	23,662	22,222	28,039
Canada	1,296	1,146	1,103
Chile	685	325	1,038
Iceland	199	177	227
Mexico	298	163	169
Uruguay	0	1	14
Finland	0	4	0
Nicaragua	5	0	0
World Total	104,746	104,985	123,007

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
 FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-38.—Breeding sheep: Number by class, State and United States, Jan. 1, 2016–2017

State	Under one year old		One year and over			
	Replacement lambs		Ewes		Rams	
	2016	2017	2016	2017	2016	2017
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
Arizona	24.0	23.0	71.0	68.0	6.0	6.0
California	45.0	45.0	265.0	275.0	10.0	10.0
Colorado	29.0	34.0	184.0	160.0	7.0	6.0
Idaho	34.0	41.0	146.0	138.0	5.0	5.0
Illinois	8.0	8.0	39.0	36.0	3.0	2.0
Indiana	7.0	6.0	33.0	35.0	3.0	4.0
Iowa	20.0	20.0	100.0	95.0	5.0	5.0
Kansas	6.0	7.0	36.0	36.0	2.0	2.0
Kentucky	7.0	6.0	33.0	30.0	2.0	2.0
Michigan	13.0	14.0	42.0	44.0	3.0	3.0
Minnesota	14.0	14.0	70.0	72.0	4.0	5.0
Missouri	13.0	12.0	60.0	55.0	3.0	3.0
Montana	45.0	35.0	159.0	159.0	6.0	6.0
Nebraska	9.0	10.0	55.0	58.0	3.0	3.0
Nevada	7.0	9.0	40.0	43.0	2.0	2.0
New England ¹	6.0	7.0	25.0	24.0	2.0	2.0
New Mexico	14.0	18.0	58.0	59.0	4.0	5.0
New York	15.0	13.0	50.0	51.0	3.0	3.0
North Carolina	4.0	4.0	20.0	19.0	3.0	2.0
North Dakota	7.0	8.0	44.0	42.0	2.0	2.0
Ohio	17.0	16.0	73.0	70.0	6.0	6.0
Oklahoma	6.0	7.0	29.0	29.0	2.0	2.0
Oregon	23.0	18.0	101.0	101.0	6.0	5.0
Pennsylvania	13.0	11.0	59.0	59.0	5.0	5.0
South Dakota	33.0	32.0	161.0	155.0	6.0	6.0
Tennessee	7.0	6.0	30.0	29.0	3.0	3.0
Texas	100.0	95.0	445.0	440.0	35.0	35.0
Utah	42.0	42.0	215.0	205.0	8.0	8.0
Virginia	7.0	9.0	50.0	49.0	3.0	3.0
Washington	7.0	9.0	31.0	28.0	3.0	2.0
West Virginia	5.0	4.0	24.0	23.0	1.0	1.0
Wisconsin	12.0	12.0	49.0	48.0	2.0	3.0
Wyoming	43.0	43.0	215.0	225.0	7.0	7.0
Other States ²	23.0	22.0	93.0	85.0	10.0	6.0
United States	665.0	660.0	3,105.0	3,045.0	175.0	170.0

¹New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ²Includes data for States not published in this table.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-39.—Sheep and lambs: Average price per 100 pounds at San Angelo, 2008–2017¹

Year	Sheep			Slaughter lambs choice & prime			
	Good	Utility	Cull	Wooled		Shorn	
				90-110 lbs	110-130 lbs	90-110 lbs	110-130 lbs
2008	36.91	37.62	18.01	86.02	85.62	86.06	85.66
2009	40.27	40.53	21.20	90.49	90.24	90.55	90.32
2010	59.51	59.50	41.12	114.66	115.12	115.18	115.68
2011	66.22	66.62	41.43	161.09	161.08	161.53	161.24
2012	64.30	65.80	42.84	113.64	114.01	114.56	114.68
2013	47.68	49.68	28.21	107.34	107.50	107.44	107.69
2014	65.66	67.88	43.76	157.08	157.14	157.19	157.30
2015	79.11	80.63	54.70	143.97	143.97	144.02	144.12
2016	72.12	75.37	45.63	135.18	135.28	135.24	135.58
2017	76.86	77.14	47.63	140.98	140.74	141.07	141.01

¹ Simple average of monthly bulk-of-sales prices from data of the livestock reporting service. AMS, Livestock & Grain Market News, (202) 720-7316.

Table 7-40.—Sheep and lambs: Number of breeding and market sheep, by State and United States, Jan. 1, 2016–2017

State	Breeding sheep and lambs		Market sheep and lambs	
	2016	2017	2016	2017
	1,000 head	1,000 head	1,000 head	1,000 head
Arizona	101.0	97.0	39.0	33.0
California	320.0	330.0	255.0	270.0
Colorado	220.0	200.0	215.0	220.0
Idaho	185.0	184.0	70.0	66.0
Illinois	50.0	46.0	10.0	9.0
Indiana	43.0	45.0	7.0	7.0
Iowa	125.0	120.0	50.0	55.0
Kansas	44.0	45.0	21.0	23.0
Kentucky	42.0	38.0	11.0	10.0
Michigan	58.0	61.0	24.0	24.0
Minnesota	88.0	91.0	37.0	39.0
Missouri	76.0	70.0	12.0	20.0
Montana	210.0	200.0	20.0	30.0
Nebraska	67.0	71.0	13.0	12.0
Nevada	49.0	54.0	11.0	9.0
New England ¹	33.0	33.0	9.0	10.0
New Mexico	76.0	82.0	14.0	15.0
New York	68.0	67.0	12.0	13.0
North Carolina	27.0	25.0	5.0	5.0
North Dakota	53.0	52.0	20.0	14.0
Ohio	96.0	92.0	24.0	25.0
Oklahoma	37.0	38.0	9.0	10.0
Oregon	130.0	124.0	50.0	46.0
Pennsylvania	77.0	75.0	17.0	18.0
South Dakota	200.0	193.0	65.0	57.0
Tennessee	40.0	38.0	8.0	8.0
Texas	580.0	570.0	145.0	140.0
Utah	265.0	255.0	20.0	20.0
Virginia	60.0	61.0	15.0	19.0
Washington	41.0	39.0	9.0	9.0
West Virginia	30.0	28.0	6.0	6.0
Wisconsin	63.0	63.0	13.0	13.0
Wyoming	265.0	275.0	90.0	85.0
Other States ²	126.0	113.0	29.0	35.0
United States	3,945.0	3,875.0	1,355.0	1,375.0

¹ New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ² Includes data for States not published in this table. NASS, Livestock Branch, (202) 720-3570.

Table 7-41.—Lamb crop: Per 100 ewes 1+, number and percent of previous year, by State and United States, 2016–2017

State	Breeding ewes 1 year & older, Jan. 1		Lambs per 100 ewes, Jan. 1		Lamb crop ¹		
	2016	2017	2016	2017	2016	2017	2017 as % of 2016
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Number</i>	<i>Number</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Percent</i>
Arizona	71	68	63	60	45	41	91
California	265	275	92	85	245	235	96
Colorado	184	160	98	116	180	185	103
Idaho	146	138	110	112	160	155	97
Illinois	39	36	118	119	46	43	93
Indiana	33	35	121	123	40	43	108
Iowa	100	95	125	121	125	115	92
Kansas	36	36	122	119	44	43	98
Kentucky	33	30	115	117	38	35	92
Michigan	42	44	119	111	50	49	98
Minnesota	70	72	129	125	90	90	100
Missouri	60	55	123	127	74	70	95
Montana	159	159	119	119	190	190	100
Nebraska	55	58	118	121	65	70	108
Nevada	40	43	105	79	42	34	81
New England ²	25	24	116	121	29	29	100
New Mexico	58	59	81	76	47	45	96
New York	50	51	120	114	60	58	97
North Carolina	20	19	95	95	19	18	95
North Dakota	44	42	116	117	51	49	96
Ohio	73	70	121	126	88	88	100
Oklahoma	29	29	114	114	33	33	100
Oregon	101	101	120	114	121	115	95
Pennsylvania	59	59	110	114	65	67	103
South Dakota	161	155	121	123	195	190	97
Tennessee	30	29	120	121	36	35	97
Texas	445	440	76	82	340	360	106
Utah	215	205	107	112	230	230	100
Virginia	50	49	116	120	58	59	102
Washington	31	28	116	107	36	30	83
West Virginia	24	23	117	117	28	27	96
Wisconsin	49	48	122	119	60	57	95
Wyoming	215	225	114	104	245	235	96
Other States ³	93	85	81	91	75	77	103
United States	3,105	3,045	105	105	3,250	3,200	98

¹ Lamb crop is defined as lambs born in the Eastern States and lambs docked or branded in the Western States. ² New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ³ Includes data for States not published in this table.
 NASS, Livestock Branch, (202) 720–3570.

Table 7-42.—Sheep and lambs: Receipts at selected markets, 2008–2017

Year	Sioux Falls, SD	Billings, MT	San Angelo, TX	New Holland, PA
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2008	42	50	192	107
2009	28	54	144	102
2010	41	48	143	92
2011	38	42	156	94
2012	35	53	89	101
2013	48	52	110	109
2014	52	49	107	107
2015	82	63	110	117
2016	57	54	129	133
2017	62	61	141	123

AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-43.—Sheep and lambs: Number slaughtered, United States, 2008–2017

Year	Commercial			Farm	Total
	Federally inspected	Other	Total ¹		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2008	2,394	162	2,556	92	2,647
2009	2,323	193	2,516	95	2,611
2010	2,261	196	2,458	95	2,553
2011	2,000	164	2,164	93	2,258
2012	2,012	171	2,183	93	2,275
2013	2,120	199	2,319	94	2,412
2014	2,105	205	2,310	95	2,404
2015	1,998	225	2,224	95	2,319
2016	2,010	228	2,238	95	2,333
2017	1,937	241	2,178	96	2,274

¹ Totals are based on unrounded numbers.
NASS, Livestock Branch, (202) 720-3570.

Table 7-44.—Sheep and lambs: Number slaughtered, average dressed and live weights, percentage distribution, by class, Federally inspected, 2008–2017 ¹

Year	Federally inspected								
	Lambs and yearlings			Mature sheep			Total		
	Head	Percent of total	Avg. dressed weight ²	Head	Percent of total	Avg. dressed weight ²	Head	Avg. dressed weight ²	Avg. live weight ²
<i>1,000</i>		<i>Pounds</i>	<i>1,000</i>		<i>Pounds</i>	<i>1,000</i>	<i>Pounds</i>		
2008	2,271	94.9	69	122	5.1	67	2,394	69	138
2009	2,165	93.2	70	158	6.8	64	2,323	70	139
2010	2,105	93.1	69	156	6.9	65	2,261	68	137
2011	1,860	93.0	71	141	7.0	66	2,000	70	141
2012	1,869	92.9	74	143	7.1	64	2,012	74	147
2013	1,988	93.7	69	133	6.3	64	2,120	69	137
2014	1,968	93.5	69	136	6.5	66	2,105	69	137
2015	1,885	94.3	70	113	5.7	67	1,998	70	139
2016	1,902	94.6	69	108	5.4	67	2,010	69	137
2017	1,836	94.8	68	102	5.2	67	1,937	68	136

¹ All percents and weights calculated using unrounded totals. ² Excludes postmortem condemnations.
NASS, Livestock Branch, (202) 720-3570.

Table 7-45.—Sheep and lambs: Number slaughtered commercially, total and average live weight, by State and United States, 2017¹

State	Number slaughtered	Total live weight	Average live weight ²
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
Alabama	0.5	32	63
Alaska	0.1	10	116
Arizona	(D)	(D)	(D)
Arkansas	0.3	33	106
California	298.5	43,416	146
Colorado	750.5	121,386	162
Delaware-Maryland	42.8	4,004	94
Florida	13.0	793	61
Georgia	17.9	1,212	68
Hawaii	(D)	(D)	(D)
Idaho	2.3	314	137
Illinois	76.9	8,687	113
Indiana	42.4	4,940	116
Iowa	3.2	516	163
Kansas	5.0	482	96
Kentucky	14.7	1,786	122
Louisiana	3.7	215	58
Michigan	217.3	30,465	140
Minnesota	4.3	479	111
Mississippi	7.1	459	65
Missouri	10.9	957	88
Montana	5.3	728	138
Nebraska	0.9	124	140
Nevada	1.2	160	135
New England ³	35.6	3,446	97
New Jersey	138.0	10,747	78
New Mexico	5.8	833	145
New York	61.9	6,262	101
North Carolina	14.6	1,026	70
North Dakota	0.5	72	141
Ohio	37.0	4,858	131
Oklahoma	4.2	462	109
Oregon	38.8	5,455	141
Pennsylvania	80.2	8,596	107
South Carolina	(D)	(D)	(D)
South Dakota	4.0	648	161
Tennessee	12.3	888	72
Texas	128.3	12,318	96
Utah	22.1	3,080	140
Virginia	7.7	599	78
Washington	16.4	2,255	138
West Virginia	(D)	(D)	(D)
Wisconsin	29.2	4,468	153
Wyoming	1.1	165	146
United States	2,178.1	290,038	133

(D) Withheld to avoid disclosing data for individual operations. ¹ Includes slaughter in federally inspected and in other slaughter plants; excludes animals slaughtered on farms. Excludes postmortem condemnations. ² Averages are based on unrounded data. ³ New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

NASS, Livestock Branch, (202) 720-3570.

Table 7-46.—Sheep and lambs: Inventory Jan 1, 2016–2017, and number of operations, 2012, by State and United States¹

State	January 1 Sheep inventory		Operations with sheep ²
	2016	2017	2012
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Number</i>
Alabama			712
Alaska			50
Arizona	140	130	7,447
Arkansas			778
California	575	600	4,224
Colorado	435	420	1,509
Connecticut			498
Delaware			69
Florida			1,161
Georgia			688
Hawaii			353
Idaho	255	250	1,241
Illinois	60	55	1,751
Indiana	50	52	2,109
Iowa	175	175	2,904
Kansas	65	68	1,160
Kentucky	53	48	1,743
Louisiana			643
Maine			759
Maryland			663
Michigan	82	85	2,312
Minnesota	125	130	2,171
Mississippi			499
Missouri	88	90	2,454
Montana	230	230	1,338
Nebraska	80	83	1,464
Nevada	60	63	508
New England ³	42	43	3,566
New Hampshire			618
New Jersey			819
New Mexico	90	97	3,385
New York	80	80	2,017
North Carolina	32	30	1,311
North Dakota	73	66	661
Ohio	120	117	3,568
Oklahoma	46	48	1,779
Oregon	180	170	2,753
Pennsylvania	94	93	3,590
Rhode Island			122
South Carolina			549
South Dakota	265	250	1,798
Tennessee	48	46	1,476
Texas	725	710	10,674
Utah	285	275	1,755
Vermont			793
Virginia	75	80	2,315
Washington	50	48	1,967
West Virginia	36	34	1,043
Wisconsin	76	76	2,590
Wyoming	355	360	771
Other States ⁴	155	148	
United States	5,300	5,250	88,338

¹ An operation is any place having one or more head of sheep on hand December 31. ² State level estimates only available in conjunction with the Census of Agriculture every 5 years. ³ New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ⁴ Includes data for States not published in this table.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-47.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, value of production, exports, imports, total new supply of apparel wool, and imports of carpet wool, United States, 2008–2017

Year	Sheep and lambs shorn ¹	Weight per fleece	Shorn wool production	Price per pound ²	Value of production ³
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
2008	4,434	7.4	32,963	0.99	32,486
2009	4,195	7.4	30,860	0.79	24,337
2010	4,180	7.3	30,360	1.15	35,013
2011	4,030	7.3	29,280	1.67	48,920
2012	3,790	7.3	27,630	1.52	41,972
2013	3,700	7.3	26,990	1.45	39,209
2014	3,680	7.3	26,680	1.46	38,909
2015	3,675	7.4	27,015	1.45	39,205
2016	3,585	7.3	26,050	1.45	37,721
2017	3,440	7.2	24,700	1.47	36,424

Year	Shorn wool production	Raw wool supply (clean)				Total new supply ⁸
		Domestic production ⁴	Exports ⁵	Imports for consumption		
				48's and Finer ⁶	Not Finer than 46's ⁷	
	<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>	
2008	32,963	17,404	10,307	4,551	8,631	20,279
2009	30,860	16,294	10,207	3,306	6,046	15,439
2010	30,360	16,035	9,973	3,108	4,928	14,098
2011	29,280	15,465	9,586	3,791	4,694	14,364
2012	27,630	14,467	7,741	4,564	4,551	15,841
2013	26,990	14,251	9,998	3,858	3,746	11,857
2014	26,680	14,087	7,916	3,917	3,363	13,247
2015	27,015	14,264	7,847	3,980	3,321	13,718
2016	26,050	13,754	7,826	3,909	2,178	12,015
2017	24,810	13,100	11,002	3,396	2,285	7,779

¹Includes sheep shorn at commercial feeding yards. ²Price computed by weighting State average prices for all wool sold during the year by sales of shorn wool. ³Production by States multiplied by annual average price. ⁴Conversion factor from grease basis to clean basis are as follows: Shorn wool production—52.8 percent (Stat. Bull. 616) from 1987-1997. ⁵Includes carpet wool exports. ⁶Prior to 1989, known as dutiable imports. ⁷Prior to 1989, known as duty-free imports. In 1994 includes 24,645,306 pounds of imported raw wool not finer than 46's and 2,182,576 pounds of miscellaneous imported raw wool. ⁸Production minus exports plus imports; stocks not taken into consideration. NASS, Livestock Branch, (202) 720-3570 and ERS, Field Crops Branch, (202) 694-5300. Imports and exports from reports of the U.S. Department of Commerce.

Table 7-48.—Wool: Price-support operations, United States, 2008–2017¹

Year	Program price levels per pound		Put under loan		Acquired by CCC under loan program	Owned by CCC at end of marketing year
	Graded wool loan	Nongraded loan	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 pounds</i>	<i>Percent</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
2008	1.00	0.40	8.6	0.03	0.0	0.0
2009	1.00	0.40	28.9	0.09	0.0	0.0
2010	1.15	0.40	27.8	0.09	0.0	0.0
2011	1.15	0.40	0.0	0.00	0.0	0.0
2012	1.15	0.40	0.0	0.00	0.0	0.0
2013	1.15	0.40	14.0	0.05	0.0	0.0
2014	1.15	0.40	11.0	0.04	0.0	0.0
2015	1.15	0.40	0.0	0.00	0.0	0.0
2016	1.15	0.40	0.0	0.00	0.0	0.0
2017	1.15	0.40	10.0	0.04	0.0	0.0

¹Nonrecourse Marketing Loan Program authorized by the Food, Conservation, and Energy Act of 2008, as amended, for marketing years 2008-2013, and the Agricultural Act of 2014, as amended, for marketing years 2014-2018. FSA, Fibers, Peanuts, Tobacco, (202) 401-0062.

Table 7-49.—Wool: United States imports (for consumption), clean content, by grades, 2013–2017^{1 2}

Grade	2013	2014	2015	2016	2017
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
48's and finer:					
Finer than 58's ³	2.9	3.0	2.9	2.7	2.1
48's–58's ⁴	1.0	0.9	1.1	1.2	1.3
Total	3.9	3.9	4.0	3.9	3.4
Not Finer than 46's:					
Wool for special use ⁵	0.2	0.3	0.2	0.2	0.2
Not finer than 40's ⁶	0.9	1.3	0.8	0.4	1.0
Finer than 40's–44's ⁷	1.4	1.3	0.9	0.5	0.6
46's ⁸	1.2	0.5	1.4	1.1	0.6
Total	3.7	3.4	3.3	2.2	2.3
Miscellaneous ⁹	0	0	0	0	0
Grand total	7.6	7.3	7.3	6.1	5.7

¹ Natural fiber grown by sheep or lambs. ² Beginning 1989 the following Harmonized Tariff Schedule numbers are in the above wool import groups: 5101.19.606060, 5101.19.6060, 5101.21.4000, 5101.21.4000, 5101.29.4060, 0.5(5101.30.4000), ⁴5101.11.6030, 5101.19.6030, 5101.21.4030, 5101.29.4030, 0.5(5101.30.4000), ⁵5101.11.1000, 5101.19.1000, 5101.21.1000, 5101.29.1000, ⁶5101.11.2000, 5101.19.2000, 5101.21.1500, 5101.29.1500, 5101.30.1000, ⁷5101.11.4000, 5101.19.4000, 5101.21.3000, 5101.29.3000, 5101.30.1500, ⁸5101.11.5000, 5101.19.5000, 5101.21.3500, 5101.29.3500, 5101.30.3000, ⁹5101.21.6000, 5101.29.6000, 5101.30.6000. They include wool not carded or combed but processed beyond the scoured or carbonized condition, e.g. dyed. This wool is not identified by use or grade.

ERS, Field Crops Branch, (202) 694–5300. Compiled from reports of the U.S. Department of Commerce.

Table 7-50.—Wool: United States imports (for consumption), clean content, by country of origin, 2013–2017¹

Country of origin	2013	2014	2015	2016	2017
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
48's and finer:					
Argentina	0.0	0.0	0.0	0.0	0.0
Australia	2.3	1.6	2.0	1.4	1.4
Canada	0.6	0.9	0.9	1.0	0.7
Chile	0.0	0.0	0.0	0.0	0.0
New Zealand	0.2	0.4	0.3	0.4	0.3
South Africa	0.0	0.0	0.0	0.0	0.0
United Kingdom	0.0	0.0	0.0	0.0	0.0
Uruguay	0.3	0.4	0.2	0.3	0.2
Other	0.5	0.6	0.6	0.8	0.8
Total	3.9	3.9	4.0	3.9	3.4
Not finer than 46's:					
Argentina	0.0	0.0	0.0	0.0	0.0
Australia	0.2	0.1	0.3	0.3	0.1
Canada	0.0	0.0	0.0	0.0	0.0
New Zealand	2.8	2.6	1.8	1.1	1.3
Uruguay	0.0	0.0	0.0	0.0	0.0
South Africa	0.1	0.1	0.2	0.0	0.1
United Kingdom	0.5	0.4	0.3	0.2	0.3
Other	0.1	0.2	0.7	0.6	0.5
Total	3.7	3.4	3.3	2.2	2.3
Grand total	7.6	7.3	7.3	6.1	5.7

¹ Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition. ERS, Field Crops Branch, (202) 694–5300. Compiled from reports of the U.S. Department of Commerce.

Table 7-51.—Wool: Average price per pound, clean basis, delivered to United States mills, 2008–2017¹

Year	Territory ²		Australian 64's good topmaking (in bond, American yield)
	64's (20.60–22.04 microns)	Avg. 58's–56's (24.95–27.84 microns)	
	Cents	Cents	Cents
2008	309	204	347
2009	227	155	302
2010	327	203	410
2011	425	374	630
2012	281	346	590
2013	423	259	534
2014	417	274	489
2015	358	284	450
2016	394	282	489
2017	436	280	550

¹Beginning 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 ¾ blood good French combing and staple. ²Wool grown in the range areas of California, Oregon, Washington, Texas, 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.
ERS, Field Crops Branch, (202) 694–5300 and AMS.

Table 7-52.—Wool: Number of sheep shorn, weight per fleece, and production, by State and United States, 2016–2017

State	Sheep		Weight per fleece		Shorn wool production	
	2016	2017	2016	2017	2016	2017
	1,000 head	1,000 head	Pounds	Pounds	1,000 pounds	1,000 pounds
Arizona	95.0	90.0	6.4	6.8	610	610
California	420.0	400.0	6.7	6.3	2,800	2,500
Colorado	305.0	310.0	7.5	6.8	2,300	2,100
Idaho	195.0	180.0	8.2	8.9	1,600	1,600
Illinois	33.0	33.0	6.1	6.1	200	200
Indiana	35.0	36.0	6.3	6.3	225	225
Iowa	165.0	140.0	5.5	5.6	900	780
Kansas	43.0	43.0	6.6	6.6	285	285
Kentucky	11.0	11.0	6.4	6.8	70	75
Michigan	68.0	60.0	6.0	6.0	405	360
Minnesota	127.0	112.0	6.2	6.3	790	700
Missouri	43.0	44.0	6.0	6.0	260	265
Montana	200.0	195.0	9.0	9.0	1,800	1,750
Nebraska	64.0	62.0	7.0	7.1	450	440
Nevada	48.0	46.0	8.8	9.3	420	430
New England ¹	30.0	31.0	6.7	6.8	200	210
New Mexico	89.0	81.0	7.9	7.6	700	615
New York	53.0	48.0	5.8	6.3	310	300
North Carolina	7.0	6.0	5.0	5.8	35	35
North Dakota	59.0	62.0	7.3	7.0	430	435
Ohio	79.0	80.0	5.9	6.1	470	490
Oklahoma	19.0	18.0	5.5	5.6	105	100
Oregon	142.0	130.0	6.3	6.2	900	800
Pennsylvania	45.0	47.0	6.9	6.7	310	315
South Dakota	230.0	235.0	7.6	7.6	1,750	1,780
Tennessee	18.0	19.0	5.6	5.5	100	105
Texas	260.0	240.0	6.9	6.7	1,800	1,600
Utah	245.0	245.0	9.4	9.4	2,300	2,300
Virginia	25.0	21.0	5.6	5.7	140	120
Washington	31.0	31.0	8.1	8.4	250	260
West Virginia	20.0	18.0	5.0	5.8	100	105
Wisconsin	51.0	50.0	6.7	6.6	340	330
Wyoming	280.0	270.0	8.6	8.1	2,400	2,200
Other States ²	50.0	46.0	6.0	6.1	300	280
United States	3,585.0	3,440.0	7.3	7.2	26,050	24,700

¹New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ²Includes data for States not published in this table.
NASS, Livestock Branch, (202) 720–3570.

Table 7-53.—Wool: Price and value, by State and United States, 2016–2017

State	Price per pound		Value ¹	
	2016	2017	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 dollars</i>
Arizona	1.00	0.90	610	549
California	1.50	1.55	4,200	3,875
Colorado	1.70	1.80	3,910	3,780
Idaho	1.59	1.70	2,544	2,720
Illinois	0.79	0.70	158	140
Indiana	0.50	0.60	110	135
Iowa	0.56	0.52	504	406
Kansas	0.89	0.85	254	242
Kentucky	0.90	0.90	63	68
Michigan	0.71	0.60	288	216
Minnesota	0.62	0.60	490	420
Missouri	0.88	0.86	229	228
Montana	1.90	1.90	3,420	3,325
Nebraska	0.94	0.79	423	348
Nevada	2.00	2.00	840	860
New England ²	0.85	0.90	170	189
New Mexico	1.50	1.60	1,050	984
New York	0.70	0.90	217	270
North Carolina	1.50	1.10	53	39
North Dakota	1.13	1.09	486	474
Ohio	0.53	0.50	249	245
Oklahoma	0.80	0.80	84	80
Oregon	1.38	1.65	1,242	1,320
Pennsylvania	0.60	0.60	186	189
South Dakota	1.43	1.49	2,503	2,652
Tennessee	0.90	0.90	90	95
Texas	1.75	1.63	3,150	2,608
Utah	1.80	1.80	4,140	4,140
Virginia	1.25	1.45	175	174
Washington	2.10	1.90	525	494
West Virginia	1.25	1.45	125	152
Wisconsin	0.70	0.65	238	215
Wyoming	1.90	2.00	4,560	4,400
Other States ³	1.45	1.40	435	392
United States	1.45	1.47	37,721	36,424

¹Production multiplied by marketing year average price. ²New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ³Includes data for States not published in this table.
NASS, Livestock Branch, (202) 720-3570.

Table 7-54.—Mohair: Price-support operations, United States, 2008–2017¹

Year	Program price levels per pound		Put under loan	
	Loan		Quantity	Percentage of production
	<i>Dollars</i>		<i>1,000 pounds</i>	<i>Percent</i>
2008	4.20	8.7	0.73	
2009	4.20	14.5	1.37	
2010	4.20	4.2	0.38	
2011	4.20	0.0	0.0	
2012	4.20	0.0	0.0	
2013	4.20	0.0	0.0	
2014	4.20	0.0	0.0	
2015	4.20	0.0	0.0	
2016	4.20	0.0	0.0	
2017	4.20	0.0	0.0	

¹ Nonrecourse Marketing Loan Program authorized by the Food, Conservation, and Energy Act of 2008, as amended, for marketing years 2008-2013, and the Agricultural Act of 2014, as amended, for marketing years 2014-2018. FSA, Fibers, Peanuts, Tobacco, (202) 401-0062.

Table 7-55.—Mohair: Goats clipped, production, price, and value, by State and United States, 2016–2017

State	Goats clipped		Average clip per goat		Production		Price per pound		Value ¹	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
	<i>Head</i>	<i>Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Arizona	30,000	28,000	4.2	3.8	125	105	1.40	1.20	175	126
California	2,000	2,000	5.0	5.0	10	10	6.00	6.00	60	60
New Mexico ...	8,000	7,000	3.8	4.3	30	30	1.20	1.40	36	42
Texas	80,000	77,000	6.4	6.1	510	470	6.00	6.60	3,060	3,102
Other States ²	21,000	19,000	6.0	5.8	125	110	2.55	2.65	319	292
United States	141,000	133,000	5.7	5.5	800	725	4.56	5.00	3,650	3,622

¹ Production multiplied by marketing year average price. U.S. value is summation of State values. ² Includes data for States not published in this table. NASS, Livestock Branch, (202) 720-3570.

Table 7-56—Angora goats: Inventory Jan 1, 2016–2017, and number of operations, 2012, by State and United States ¹

State	January 1 angora goats inventory		Operations with angora goats ²
	2016	2017	2012
	<i>Head</i>	<i>Head</i>	<i>Number</i>
Alabama			152
Alaska			5
Arizona	35,000	35,000	3,218
Arkansas			25
California	3,600	3,400	314
Colorado			182
Delaware			3
Florida			165
Georgia			140
Hawaii			23
Idaho			70
Illinois			84
Indiana			85
Iowa			67
Kansas			45
Kentucky			143
Louisiana			49
Maryland			59
Michigan			177
Minnesota	(NA)	(NA)	125
Mississippi			77
Missouri	(NA)	(NA)	152
Montana			59
Nebraska			47
Nevada			27
New England ³			664
New Jersey			75
New Mexico	10,000	10,500	904
New York			176
North Carolina			195
North Dakota			24
Ohio			189
Oklahoma			61
Oregon	(NA)	(NA)	166
Pennsylvania			268
South Carolina			121
South Dakota			22
Tennessee			28
Texas	78,000	80,000	629
Utah			275
Virginia			169
Washington			151
Wisconsin	(NA)	(NA)	75
West Virginia			158
Wyoming			16
Other States ⁴	23,400	23,100	
United States	150,000	152,000	9,859

(NA) Not available. ¹An operation is any place having one or more head of angora goats on hand December 31. ²State level estimates only available in conjunction with the Census of Agriculture every 5 years. ³New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ⁴Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720-3570.

Table 7-57.—Milk goats: Inventory Jan 1, 2016–2017, and number of operations, 2012, by State and United States ¹

State	January 1 milk goats inventory		Operations with milk goats ²
	2016	2017	2012
	<i>Head</i>	<i>Head</i>	<i>Number</i>
Alabama	3,800	3,900	359
Alaska	(NA)	(NA)	34
Arizona	(NA)	(NA)	642
Arkansas	4,600	4,500	567
California	39,000	41,000	1,416
Colorado	10,000	9,000	756
Connecticut	(NA)	(NA)	182
Delaware	(NA)	(NA)	24
Florida	9,500	10,000	852
Georgia	3,100	3,500	396
Hawaii	(NA)	(NA)	79
Idaho	3,800	4,200	435
Illinois	5,600	6,000	593
Indiana	11,500	11,000	1,123
Iowa	33,000	30,500	639
Kansas	4,200	4,700	518
Kentucky	5,000	5,500	822
Louisiana	(NA)	(NA)	234
Maine	(NA)	(NA)	336
Maryland	(NA)	(NA)	234
Massachusetts	(NA)	(NA)	343
Michigan	11,800	12,500	1,194
Minnesota	13,500	12,000	575
Mississippi	(NA)	(NA)	234
Missouri	11,300	10,300	1,083
Montana	(NA)	(NA)	311
Nebraska	3,200	3,700	361
Nevada	(NA)	(NA)	143
New England ³	14,500	14,200	.....
New Hampshire	(NA)	(NA)	249
New Jersey	(NA)	(NA)	182
New Mexico	(NA)	(NA)	377
New York	12,300	13,700	1,091
North Carolina	8,100	6,400	803
North Dakota	(NA)	(NA)	154
Ohio	9,500	10,000	1,341
Oklahoma	6,600	6,000	929
Oregon	12,200	12,600	842
Pennsylvania	14,000	15,000	1,288
Rhode Island	(NA)	(NA)	73
South Carolina	3,400	3,000	453
South Dakota	(NA)	(NA)	276
Tennessee	7,200	7,000	587
Texas	22,000	22,000	2,591
Utah	(NA)	(NA)	298
Vermont	(NA)	(NA)	277
Virginia	5,700	6,000	708
Washington	8,000	7,500	934
West Virginia	(NA)	(NA)	380
Wisconsin	44,000	44,000	994
Wyoming	(NA)	(NA)	258
Other States ⁴	32,600	33,300	.....
United States	373,000	373,000	29,570

(NA) Not available. ¹ An operation is any place having one or more head of angora goats on hand December 31. ² State level estimates only available in conjunction with the Census of Agriculture every 5 years. ³ New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ⁴ Includes data for States not published in this table.

Table 7-58.—Meat and other goats: Inventory Jan 1, 2016–2017, and number of operations, 2012, by State and United States ¹

State	January 1 meat and other goats inventory		Operations with Meat goats ²
	2016	2017	2012
	<i>Head</i>	<i>Head</i>	<i>Number</i>
Alabama	47,000	45,000	2,469
Alaska	(NA)	(NA)	35
Arizona	27,000	27,000	2,387
Arkansas	36,000	36,000	2,083
California	90,000	87,000	3,330
Colorado	24,000	25,000	1,591
Connecticut	(NA)	(NA)	417
Delaware	(NA)	(NA)	136
Florida	45,000	44,000	3,022
Georgia	72,000	67,000	2,951
Hawaii	(NA)	(NA)	336
Idaho	(NA)	(NA)	859
Illinois	19,000	18,000	1,698
Indiana	32,000	33,000	2,026
Iowa	28,000	32,000	1,383
Kansas	43,000	46,000	1,653
Kentucky	59,000	56,000	3,092
Louisiana	19,000	18,000	1,225
Maine	(NA)	(NA)	305
Maryland	(NA)	(NA)	687
Massachusetts	(NA)	(NA)	462
Michigan	(NA)	(NA)	1,669
Minnesota	21,000	22,000	1,121
Mississippi	20,000	19,000	1,329
Missouri	70,000	75,000	3,161
Montana	(NA)	(NA)	435
Nebraska	(NA)	(NA)	1,247
Nevada	(NA)	(NA)	406
New Hampshire	(NA)	(NA)	292
New Jersey	(NA)	(NA)	581
New Mexico	(NA)	(NA)	1,629
New York	17,000	17,000	1,535
North Carolina	45,000	50,000	3,659
North Dakota	(NA)	(NA)	227
Ohio	44,000	42,000	3,401
Oklahoma	91,000	92,000	4,020
Oregon	27,000	27,000	1,672
Pennsylvania	37,000	37,000	2,989
Rhode Island	(NA)	(NA)	60
South Carolina	34,000	32,000	2,447
South Dakota	(NA)	(NA)	514
Tennessee	115,000	110,000	4,514
Texas	765,000	790,000	23,107
Utah	(NA)	(NA)	812
Vermont	(NA)	(NA)	198
Virginia	47,000	45,000	2,742
Washington	22,000	20,000	1,792
West Virginia	21,000	21,000	1,276
Wisconsin	(NA)	(NA)	1,518
Wyoming	(NA)	(NA)	410
Other States ⁴	180,000	182,000	.....
United States	2,097,000	2,115,000	100,910

(NA) Not available. ¹An operation is any place having one or more head of angora goats on hand December 31. ²State level estimates only available in conjunction with the Census of Agriculture every 5 years. ³New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ⁴Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720-3570.

Table 7-59.—All goats: Number of operations, 2012, by State and United States¹

State	2012 ²
	<i>Number</i>
Alabama	2,832
Alaska	56
Arizona	5,525
Arkansas	2,450
California	4,474
Colorado	2,168
Delaware	154
Florida	3,746
Georgia	3,329
Hawaii	420
Idaho	1,208
Illinois	2,193
Indiana	2,883
Iowa	1,921
Kansas	1,995
Kentucky	3,797
Louisiana	1,412
Maryland	903
Michigan	2,623
Minnesota	1,580
Mississippi	1,533
Missouri	3,955
Montana	698
Nebraska	1,509
Nevada	523
New England ³	3,096
New Jersey	766
New Mexico	2,638
New York	2,449
North Carolina	4,387
North Dakota	350
Ohio	4,485
Oklahoma	4,629
Oregon	2,350
Pennsylvania	4,088
South Carolina	2,861
South Dakota	748
Tennessee	4,929
Texas	25,063
Utah	1,249
Virginia	3,376
Washington	2,506
West Virginia	1,586
Wisconsin	2,419
Wyoming	594
United States	128,456

¹An operation is any place having one or more head of goats on hand December 31. ²State level estimates only available in conjunction with the Census of Agriculture every 5 years. ³New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-60.—Red meat: Production, by class of slaughter, United States, 2008–2017

Year	Commercial			Farm	Total
	Federally inspected	Other ¹	Total		
Beef					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2008	26,200	361	26,561	96	26,657
2009	25,598	.....	25,966	90	26,056
2010	25,954	.....	26,305	84	26,389
2011	25,854	.....	26,195	75	26,270
2012	25,573	.....	25,913	76	25,989
2013	25,385	.....	25,720	70	25,790
2014	23,932	.....	24,249	66	24,315
2015	23,395	.....	23,698	63	23,760
2016	24,908	.....	25,221	67	25,288
2017	25,856	.....	26,188	63	26,251
Pork, excluding lard					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2008	23,170	177	23,347	20	23,367
2009	22,827	.....	22,999	21	23,020
2010	22,275	.....	22,437	19	22,456
2011	22,599	.....	22,758	17	22,775
2012	23,090	.....	23,253	15	23,268
2013	23,040	.....	23,187	16	23,203
2014	22,710	.....	22,843	15	22,858
2015	24,355	.....	24,501	16	24,517
2016	24,789	.....	24,941	16	24,957
2017	25,437	.....	25,584	14	25,598
Veal					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2008	140	3	143	9	152
2009	135	.....	138	8	147
2010	131	.....	134	8	143
2011	126	.....	130	7	136
2012	115	.....	118	7	125
2013	109	.....	111	6	117
2014	92	.....	94	6	100
2015	81	.....	83	5	88
2016	74	.....	76	6	81
2017	73	.....	74	6	80
Lamb and Mutton					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2008	166	8	174	6	180
2009	162	.....	171	5	175
2010	154	.....	164	5	168
2011	141	.....	149	5	153
2012	148	.....	156	5	161
2013	146	.....	156	5	161
2014	145	.....	156	5	161
2015	139	.....	151	5	156
2016	138	.....	150	5	155
2017	132	.....	145	5	150
All meat, excluding lard					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2008	49,675	550	50,225	131	50,355
2009	48,721	.....	49,274	124	49,398
2010	48,514	.....	49,039	116	49,155
2011	48,721	.....	49,232	103	49,335
2012	48,925	.....	49,440	103	49,543
2013	48,679	.....	49,174	97	49,271
2014	46,879	.....	47,342	91	47,433
2015	47,970	.....	48,432	89	48,520
2016	49,909	.....	50,388	93	50,481
2017	51,497	.....	51,992	88	52,079

¹ Other class no longer reported.
NASS, Livestock Branch, (202) 720-3570.

Table 7-61.—Meat: United States exports and imports into the United States, carcass weight equivalent, 2008–2017 ¹

Year	Exports				Imports			
	Beef and veal	Lamb and mutton	Pork ²	All meat	Beef & veal	Lamb and mutton	Pork ²	All meat
	<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>
2008	1,887	12	4,667	6,566	2,538	183	832	3,553
2009	1,935	16	4,095	6,046	2,626	171	834	3,631
2010	2,300	16	4,223	6,539	2,298	166	859	3,323
2011	2,785	19	5,196	8,000	2,057	162	803	3,022
2012	2,452	11	5,379	7,842	2,220	154	802	3,175
2013	2,588	7	4,986	7,582	2,250	173	880	3,302
2014	2,574	7	5,092	7,672	2,947	195	1,011	4,153
2015	2,267	4	5,010	7,282	3,371	214	1,116	4,700
2016	2,556	5	5,239	7,801	3,015	216	1,091	4,322
2017	2,862	6	5,632	8,500	2,994	252	1,116	4,362

¹ Carcass weight equivalent of all meat, including the meat content of minor meats and of mixed products. Shipments to U.S. Territories are included in domestic consumption. ² The pork series has been revised to a dressed weight equivalent rather than "Pork, excluding lard."

ERS, Market and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694-5409. Data on imports and commercial exports are computed from records of the U.S. Department of Commerce, those on exports by the U.S. Department of Agriculture are separately estimated from deliveries and stocks.

Table 7-62.—International Meat: Production, 2015–2017

Country	2015	2016	2017
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Beef and veal:			
Argentina	2,720	2,650	2,830
Australia	2,547	2,125	2,149
Brazil	9,425	9,284	9,550
China	6,700	7,000	7,260
European Union	7,684	7,880	7,900
India	4,100	4,200	4,250
Mexico	1,850	1,879	1,925
Pakistan	1,710	1,750	1,780
Russia	1,355	1,335	1,315
Turkey	1,423	1,484	1,382
Others	9,379	9,388	9,278
Total Foreign	48,893	48,975	49,619
United States	10,817	11,507	11,938
Total	59,710	60,482	61,557
Swine:			
Brazil	3,519	3,700	3,725
Canada	1,899	1,914	1,970
China	54,870	52,990	53,400
European Union	23,249	23,866	23,675
Japan	1,254	1,279	1,282
Korea, South	1,217	1,266	1,280
Mexico	1,164	1,211	1,267
Philippines	1,463	1,540	1,563
Russia	2,615	2,870	2,960
Vietnam	2,548	2,701	2,741
Others	5,503	5,480	5,455
Total Foreign	99,301	98,817	99,318
United States	11,121	11,320	11,610
Total	110,422	110,137	110,928

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 7-63.—Meat: U.S. exports, 2015–2017

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Beef & veal, fr/ch/fz:			
Japan	167,311	203,853	258,194
Korea, South	117,025	167,007	170,248
Mexico	114,372	124,183	131,964
Hong Kong	104,692	95,284	110,645
Canada	82,822	80,226	81,584
Taiwan	35,098	43,897	44,421
Netherlands	12,723	11,531	12,692
Chile	8,319	8,524	10,548
Vietnam	4,039	6,103	9,874
Philippines	9,759	7,568	9,306
Indonesia	1,496	5,649	6,403
Dominican Republic	6,916	5,769	5,868
United Arab Emirates	5,207	5,625	5,703
Italy(*)	5,714	4,789	5,216
Guatemala	3,054	3,911	4,857
Singapore	2,268	1,762	3,035
China	0	0	2,957
Bahamas, The	3,049	3,198	2,935
Germany(*)	2,679	2,105	2,821
Netherlands Antilles(*)	1,944	2,575	2,765
Kuwait	3,081	2,280	2,711
Colombia	1,044	2,367	2,301
Costa Rica	1,522	1,698	1,774
Jamaica	1,649	1,708	1,662
Rest of World	19,935	22,156	22,649
World Total	715,717	813,767	913,130
Beef & veal, prep/pres:			
Canada	30,777	25,238	25,394
Hong Kong	7,359	5,888	5,629
Mexico	808	695	1,002
Australia(*)	278	341	580
Korea, South	0	49	266
Dominican Republic	49	77	189
Panama	31	58	148
New Zealand(*)	116	57	113
Chile	91	187	109
Guatemala	93	121	101
Kuwait	68	88	73
Belgium-Luxembourg(*)	0	0	62
Micronesia	36	35	57
Bahamas, The	155	39	51
United Arab Emirates	131	144	46
Leeward-Windward Islands(*)	57	36	40
Honduras	47	29	38
Costa Rica	59	16	37
Philippines	205	140	37
Trinidad and Tobago	65	313	30
Qatar	44	54	30
Netherlands Antilles(*)	80	88	25
Jamaica	18	42	25
Colombia	41	12	24
Rest of World	836	614	217
World Total	41,443	34,358	34,321

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Pork, fr/ch/fz:			
Mexico	530,426	553,077	621,621
Japan	381,944	361,499	365,131
Korea, South	153,286	122,674	157,945
China	97,136	177,538	127,490
Canada	100,206	98,302	105,016
Colombia	35,841	39,847	63,092
Australia(*)	49,766	56,133	61,931
Hong Kong	42,332	47,462	43,576
Dominican Republic	20,755	22,449	27,957
Honduras	20,324	24,370	27,047
Chile	12,126	14,412	23,339
Philippines	15,046	17,171	19,162
Guatemala	11,535	12,391	13,030
Taiwan	12,283	5,922	9,510
Panama	6,656	7,859	7,109
Nicaragua	2,269	3,998	5,140
New Zealand(*)	4,387	4,957	5,105
Bahamas, The	3,623	4,604	4,849
El Salvador	2,608	3,638	4,816
Rest of World	23,851	22,489	28,763
World Total	1,526,400	1,600,790	1,721,626
Pork, hams/shldrs,cured:			
Canada	25,677	27,695	18,459
Mexico	9,302	8,680	3,339
Australia(*)	25	2,053	2,339
Panama	2,349	2,321	2,231
Trinidad and Tobago	739	570	593
Belize	674	628	550
Japan	1,287	1,144	540
Netherlands Antilles(*)	439	516	486
Colombia	541	431	465
China	0	20	321
Bahamas, The	557	397	279
Philippines	345	238	228
Korea, South	18	17	203
Albania	0	0	197
Barbados	399	206	181
Leeward-Windward Islands(*)	271	159	161
Congo (Brazzaville)	0	0	147
Guatemala	12	106	47
Costa Rica	153	127	47
Rest of World	744	497	258
World Total	43,531	45,807	31,070

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Pork, bacon, cured:			
Mexico	14,817	13,483	14,912
Canada	7,438	7,795	8,794
Japan	2,069	2,401	3,148
Korea, South	1,826	1,890	2,617
New Zealand(*)	551	771	1,246
Australia(*)	675	616	1,186
Dominican Republic	726	606	760
Hong Kong	257	392	602
Guatemala	437	477	503
Costa Rica	202	355	490
Chile	146	540	486
French Pacific Islands(*)	346	317	369
Colombia	400	291	362
Panama	283	277	340
Singapore	182	242	274
Bahamas, The	318	105	182
Honduras	232	111	156
Cayman Islands	89	72	136
Leeward-Windward Islands(*)	121	120	128
Rest of World	1,409	1,230	1,068
World Total	32,525	32,090	37,756
Pork, prep/pres, nt/cn:			
Canada	52,669	54,703	56,602
Mexico	20,237	15,353	17,305
Japan	528	1,318	4,131
Philippines	278	539	918
Colombia	582	926	883
Korea, South	737	1,139	875
Hong Kong	585	511	327
Micronesia	317	209	273
Chile	434	106	213
Panama	213	860	207
Singapore	330	192	166
El Salvador	8	263	126
Honduras	61	58	109
Netherlands Antilles(*)	106	121	99
Australia(*)	859	571	99
Costa Rica	69	64	95
Dominican Republic	174	127	91
Guatemala	100	58	82
Trinidad and Tobago	81	72	73
Rest of World	606	1,211	344
World Total	78,972	78,400	83,017

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Pork, prep/pres, canned:			
Japan	11,583	10,684	9,572
Philippines	6,422	5,834	6,566
Australia(*)	5,165	3,004	4,225
Hong Kong	1,774	1,922	2,058
Korea, South	1,411	1,546	1,966
Panama	1,153	1,418	1,699
Dominican Republic	613	1,383	1,398
Guatemala	547	555	700
New Zealand(*)	651	619	578
Colombia	1,158	291	385
Mexico	1,305	731	365
Singapore	256	540	361
Canada	2,898	3,057	311
Netherlands Antilles(*)	212	226	170
Trinidad and Tobago	82	125	145
United Arab Emirates	147	93	124
China	0	152	122
Costa Rica	347	246	116
Honduras	47	105	112
Rest of World	1,448	929	762
World Total	37,217	33,459	31,734
Lamb & mutton; fr/ch/fz:			
Mexico	901	984	877
Canada	153	101	224
Netherlands Antilles(*)	101	119	155
Bahamas, The	149	109	142
Bermuda	9	131	99
United Arab Emirates	9	24	96
Leeward-Windward Islands(*)	106	90	81
Trinidad and Tobago	94	28	60
Jamaica	37	14	52
Australia(*)	4	11	51
Panama	24	34	49
China	0	0	48
Guatemala	3	1	48
Honduras	4	3	43
Japan	0	0	41
Taiwan	0	2	37
Singapore	3	32	31
Netherlands	12	118	30
Costa Rica	12	48	29
Turks and Caicos Islands	48	36	26
Dominican Republic	25	30	25
Barbados	14	55	25
Germany(*)	21	1	22
Italy(*)	7	24	18
Rest of World	85	271	125
World Total	1,819	2,266	2,435

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Sausages & bologna:			
Canada	39,846	39,769	43,000
Japan	19,457	21,405	21,949
Mexico	11,756	12,130	10,775
Korea, South	3,184	5,006	6,311
Philippines	2,703	1,668	1,914
Hong Kong	1,865	1,985	1,875
Belize	968	1,119	1,093
Guatemala	753	806	869
Panama	671	703	734
United Kingdom	499	612	682
Singapore	320	365	599
Bahamas, The	901	467	461
China	1,860	0	451
Taiwan	266	245	329
Costa Rica	139	187	325
Netherlands Antilles(*)	253	328	303
Dominican Republic	254	350	300
Chile	273	279	297
Australia(*)	232	33	251
Rest of World	2,084	2,378	2,251
World Total	88,283	89,835	94,767
Other meat products, fr/ch/fz:			
Hong Kong	0	148	99
Leeward-Windward Islands(*)	41	107	74
Malaysia	0	0	36
Ireland	0	0	36
Barbados	0	1	34
Canada	0	0	32
Cayman Islands	25	11	21
China	0	0	18
United Arab Emirates	0	0	17
Mexico	178	12	15
Singapore	25	32	12
Japan	0	0	6
Turks and Caicos Islands	3	0	4
Peru	0	0	3
Costa Rica	0	1	3
Netherlands Antilles(*)	44	7	1
Bermuda	0	0	1
Guatemala	0	0	0
Austria	0	4	0
Rest of World	81	110	0
World Total	397	433	410

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Variety meats, beef:			
Mexico	110,921	118,290	104,959
Egypt	103,630	92,517	70,586
Japan	37,598	54,434	49,291
Hong Kong	8,875	11,631	14,449
Korea, South	9,173	13,768	13,636
South Africa	0	3,758	11,325
Canada	11,056	10,780	8,656
Indonesia	40	5,134	7,322
Peru	7,108	5,222	6,266
Philippines	2,760	2,491	3,598
Jamaica	2,521	2,989	3,299
Angola	2,673	2,569	3,116
Colombia	1,204	1,838	2,798
Gabon	3,277	3,366	2,773
Cote d'Ivoire	1,035	1,205	2,221
Chile	1,180	2,024	1,743
Honduras	544	1,167	1,121
Brazil	0	0	1,035
Trinidad and Tobago	627	853	927
Rest of World	7,224	7,221	6,303
World Total	311,445	341,255	315,425
Variety meats, pork:			
China	77,975	151,648	147,615
Hong Kong	93,591	131,410	139,766
Mexico	133,203	132,038	128,441
Canada	10,881	13,128	18,587
Philippines	13,087	10,602	11,347
Japan	9,663	10,888	11,039
Korea, South	9,967	6,633	7,266
Colombia	2,695	2,439	3,737
Chile	1,962	2,074	3,386
Taiwan	6,836	3,060	3,352
Guatemala	1,911	2,430	2,086
Panama	1,475	1,227	1,332
South Africa	0	504	689
Haiti	1,684	720	664
Leeward-Windward Islands(*)	499	503	657
Trinidad and Tobago	537	522	656
Peru	328	372	559
Dominican Republic	945	894	532
Singapore	726	432	458
Rest of World	5,042	2,592	2,157
World Total	373,004	474,118	484,323

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Variety meats, other:			
Mexico	12,141	14,270	12,633
Hong Kong	5,539	5,616	7,140
Korea, South	1,753	2,269	3,079
Taiwan	900	763	1,085
Canada	1,849	1,261	518
Peru	0	282	423
Japan	52	255	323
South Africa	0	22	257
Italy(*)	63	60	177
Panama	44	15	150
Colombia	89	24	148
Chile	61	330	143
Costa Rica	92	38	136
China	546	875	128
Belgium-Luxembourg(*)	0	0	117
Germany(*)	0	18	114
Saudi Arabia	174	174	105
Leeward-Windward Islands(*)	64	46	93
Trinidad and Tobago	35	18	90
Rest of World	794	1,954	807
World Total	24,195	28,288	27,664

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-64.—Meat, beef, veal, and swine: International trade, imports and exports, 2015–2017

Country	2015	2016	2017
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporters, beef and veal:			
Argentina	186	216	293
Australia	1,854	1,480	1,486
Brazil	1,705	1,698	1,856
Canada	397	441	469
European Union	303	344	367
India	1,806	1,764	1,849
Mexico	228	258	280
New Zealand	639	587	593
Paraguay	381	389	378
Uruguay	373	421	435
Others	683	663	665
Total Foreign	8,555	8,261	8,671
United States	1,028	1,159	1,298
Total	9,583	9,420	9,969
Principle importers, beef and veal:			
Canada	269	243	229
Chile	245	298	281
China	663	812	974
Egypt	360	340	250
European Union	363	368	338
Hong Kong	339	453	543
Japan	707	719	817
Korea, South	414	513	531
Malaysia	237	218	211
Russia	621	522	509
Others	1,909	1,852	1,912
Total Foreign	6,127	6,338	6,595
United State	1,529	1,367	1,358
Total	7,656	7,705	7,953
Principle exporters, swine:			
Australia	36	38	43
Brazil	627	832	786
Canada	1,239	1,320	1,324
Chile	178	173	171
China	231	191	208
European Union	2,388	3,125	2,857
Mexico	128	141	170
Russia	7	25	37
Serbia	19	11	16
Vietnam	30	65	50
Others	80	52	62
Total Foreign	4,963	5,973	5,724
United States	2,272	2,377	2,555
Total	7,235	8,350	8,279
Principle importers, swine:			
Australia	220	210	215
Canada	216	215	222
China	1,029	2,181	1,620
Hong Kong	397	429	463
Japan	1,270	1,361	1,475
Korea, South	599	615	645
Mexico	981	1,021	1,083
Philippines	175	195	241
Russia	408	347	375
Singapore	116	117	117
Others	802	800	922
Total Foreign	6,213	7,491	7,378
United States	506	495	506
Total	6,719	7,986	7,884

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 7-65.—Meats: Production and consumption, United States, 2008–2017¹

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>
2008	26,664	27,303	89.6	152	150	0.5	180	343	1.1
2009	26,068	26,836	87.3	147	147	0.5	177	338	1.1
2010	26,412	26,390	85.2	145	150	0.5	168	318	1.0
2011	26,281	25,538	81.8	136	137	0.4	153	295	0.8
2012	25,989	25,748	81.9	125	123	0.4	161	299	1.0
2013	25,790	25,476	80.5	117	119	0.4	161	324	1.0
2014	24,316	24,682	77.4	100	98	0.3	161	340	1.1
2015	23,760	24,771	77.1	88	88	0.3	155	357	1.1
2016	25,288	25,673	79.3	81	73	0.2	155	381	1.2
2017	26,250	26,490	81.3	80	78	0.2	150	395	1.2

Year	Pork			All meats		
	Production	Consumption		Production	Consumption	
		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>
2008	23,367	19,415	63.8	50,362	47,211	155
2009	23,020	19,870	64.7	49,412	47,191	154
2010	22,456	19,076	61.6	49,181	45,934	148
2011	22,775	18,382	58.9	49,232	44,351	142
2012	23,268	18,607	59.2	49,543	44,778	142
2013	23,203	19,104	60.3	49,271	45,022	142
2014	22,858	18,836	59.1	47,435	43,955	138
2015	24,517	20,592	64.1	48,520	45,808	143
2016	24,957	20,891	64.5	50,481	47,019	145
2017	25,598	21,035	64.5	52,078	47,998	147

¹ 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. Shipments to the U.S. territories are included in domestic consumption.

ERS, Animal Products and Cost of Production Branch, (202) 694–5409.

Table 7-66.—Hides, packer: Average price per piece, Central U.S., 2008–2017

Year	Steers				Heifers	
	Heavy native	Heavy Texas	Butt branded	Colorado branded	Heavy native	Branded
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2008	63.94	63.22	62.62	59.35	58.35	57.18
2009	45.29	44.10	42.70	31.84	29.00	31.86
2010	71.93	72.30	70.77	67.31	63.44	67.57
2011	82.17	81.70	80.77	76.42	74.39	71.17
2012	84.53	84.23	84.28	79.83	71.77	70.19
2013	98.73	95.74	98.56	94.38	84.68	82.90
2014	110.98	106.37	108.95	103.05	93.45	89.68
2015	84.29	77.13	82.57	75.98	65.00	59.76
2016	73.88	68.02	72.37	60.11	58.39	53.00
2017	67.05	59.13	65.21	(NA)	51.77	42.76

(NA) Not available.

AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-67.—Hides and skins: United States imports by country of origin, 2015–2017

Country of origin	2015	2016	2017
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Hides and skins, mixed:			
Canada	1,218,767	794,533	627,457
United Kingdom	2,374	77,372	445,751
Belgium-Luxembourg(*)	43,761	139,405	203,691
Czech Republic	357,645	1,062,491	55,957
Colombia	33,671	107,074	27,056
Brazil	969	8,218	18,484
Mexico	375,775	69,436	16,644
Argentina	68	17,658	15,731
Italy(*)	5,851	11,855	10,270
Thailand	8,843	20,268	8,130
Germany(*)	3,762	3,619	5,417
Australia(*)	97,247	1	5,200
New Zealand(*)	1,048	1,948	4,076
Cote d'Ivoire	3,350	1,610	2,658
Slovenia	30	0	2,602
Dominican Republic	0	0	1,311
Pakistan	70	1,100	807
Ethiopia(*)	0	16	539
Spain	1,647	320	515
Rest of World	38,366	19,594	2,235
World Total	2,193,244	2,336,518	1,454,531
	<i>Number</i>	<i>Number</i>	<i>Number</i>
Furskins:			
Canada	3,029,696	2,496,944	1,994,593
Ukraine	215,782	225,328	184,949
Belgium-Luxembourg(*)	217,984	78,351	121,399
Greece	98,008	87,173	113,477
Sweden	138,716	169,238	110,770
Czech Republic	115,022	5,175	62,050
Finland	44,900	45,885	48,652
Uruguay	91,251	50,015	42,840
Poland	54,659	104,034	24,029
Netherlands	191,618	130,426	19,429
Spain	176,005	64,717	16,219
Mexico	11,024	10,329	13,088
China	268	12,607	12,165
Denmark(*)	6,411	10,434	9,477
Hong Kong	118	0	6,600
Russia	13,015	4,256	2,377
Bosnia and Herzegovina	1,768	2,505	1,572
Romania	0	273	1,241
Lithuania	715	741	842
Rest of World	74,279	54,855	3,498
World Total	4,481,239	3,553,286	2,789,267

(*) Denotes a country that is a summarization of its component countries.
 FAS, Office of Global Analysis, (202) 720-6301.

Table 7-68.—Hides: U.S. trade exports, 2015–2017

Country	2015	2016	2017
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Cattle hides, whole:			
China	10,497,817	10,485,835	11,911,525
Korea, South	2,548,113	2,689,744	2,859,399
Mexico	1,542,102	2,046,260	1,816,057
Thailand	286,869	304,712	1,082,358
Taiwan	654,278	482,135	563,176
Italy(*)	411,962	701,954	363,965
Indonesia	57,620	52,892	232,215
Japan	152,939	166,161	173,884
Turkey	107,274	91,763	127,818
Bosnia and Herzegovina	16,610	45,595	83,510
India	52,755	108,288	77,627
Costa Rica	29,603	65,066	73,001
Belgium-Luxembourg(*)	5,395	79,487	66,007
Israel(*)	44,866	52,809	61,728
Vietnam	149,408	125,578	56,478
Hong Kong	82,386	47,986	38,326
Brazil	150	622	34,355
Netherlands	167,471	69,470	33,036
Germany(*)	22,800	17,760	18,074
Pakistan	23,878	1,776	17,543
Spain	13,785	14,160	8,796
France(*)	0	13,836	5,878
Chile	2,720	565	5,490
Slovenia	0	0	4,959
Rest of World	88,665	112,505	11,104
World Total	16,959,466	17,776,959	19,726,309
Sheep & lambskins:			
China	1,011,141	932,512	818,429
Turkey	35,791	514	56,760
Mexico	196,693	14,485	32,089
Russia	42,950	5,100	19,200
Brazil	1,749	1,048	15,392
Germany(*)	7,600	14,328	9,125
Poland	0	1,815	3,667
Canada	5,345	4,986	3,015
Korea, South	0	0	2,155
Netherlands Antilles(*)	24	0	667
Italy(*)	1,422	0	500
United Kingdom	0	0	137
Colombia	0	0	90
Barbados	641	0	0
Bosnia and Herzegovina	0	9,875	0
Dominican Republic	682	0	0
Egypt	0	1,041	0
Guatemala	3,234	0	0
India	2,380	3,547	0
Japan	255	0	0
Nepal	5,890	0	0
Pakistan	18,242	0	0
Portugal	2,500	0	0
Uruguay	1,101	2,870	0
World Total	1,337,640	992,121	961,226

See footnote(s) at end of table.

Table 7-68.—Hides: U.S. trade exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Pig and hog skins, pieces:			
Mexico	2,293,190	1,924,492	1,814,236
Thailand	306,333	340,637	1,434,179
Taiwan	3,066,448	2,019,552	1,345,099
Vietnam	10,279	6,910	151,796
China	46,450	56,024	142,393
United Kingdom	56,000	91,000	91,000
Cambodia	11,436	0	83,899
Japan	3,936	9,015	26,439
Poland	1,750	3,625	12,176
Korea, South	17,544	4,363	1,746
Belgium-Luxembourg(*)	0	0	1,000
Singapore	0	0	384
Hong Kong	29,083	0	0
Slovenia	28,800	0	0
World Total	5,871,249	4,455,618	5,104,347
	<i>Number</i>	<i>Number</i>	<i>Number</i>
Mink furskins, undressed:			
Canada	3,403,310	3,360,196	2,925,683
China	2,612,439	1,962,681	1,569,986
Korea, South	731,141	995,621	895,630
Cambodia	109,898	136,199	278,688
Vietnam	416,384	347,015	271,871
Finland	270,885	187,278	231,616
Thailand	0	92,694	196,140
Greece	111,320	107,483	165,446
Germany(*)	47,493	43,146	104,088
Hong Kong	1,562,898	95,255	60,265
Malaysia	13,802	300	39,513
Denmark(*)	220,461	237,091	28,021
United Kingdom	1,962	5,242	25,142
Italy(*)	13,349	19,463	24,573
France(*)	9,702	6,909	16,746
Russia	22,499	3,227	13,736
Lithuania	296	1,508	7,173
Turkey	6,809	300	4,766
Poland	15,227	2,425	4,132
Rest of World	4,236	61,032	5,192
World Total	9,574,111	7,665,065	6,868,407

See footnote(s) at end of table.

Table 7-68.—Hides: U.S. trade exports, 2015–2017—Continued

Country	2015	2016	2017
	<i>Number</i>	<i>Number</i>	<i>Number</i>
Other furskins, whole:			
China	350,653	342,978	566,762
Canada	1,806,829	750,611	507,128
Hong Kong	81,216	142,794	95,216
Pakistan	0	25,625	15,860
France(*)	4,634	23,732	13,604
Cambodia	0	11,188	10,552
Portugal	34,679	76,085	10,028
Germany(*)	5,573	7,415	7,247
Korea, South	54,660	16,170	6,768
India	28,049	0	6,084
Greece	93	676	3,663
Italy(*)	12,244	3,623	1,905
Ukraine	0	0	1,095
Dominican Republic	0	0	850
Mexico	935	16,176	511
Japan	450	0	396
Argentina	0	0	270
Costa Rica	0	0	128
United Arab Emirates	526	0	0
Rest of World	133,284	52,667	0
World Total	2,513,825	1,469,740	1,248,067
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Other hides & skins, mixed:			
China	3,220,272	2,447,712	2,101,203
Korea, South	1,243,300	870,687	950,040
Thailand	248,159	404,508	236,514
Mexico	314,003	167,955	205,621
Italy(*)	219,746	181,171	176,726
Singapore	98,753	120,854	112,650
France(*)	288,753	170,128	111,452
Canada	11,201	10,286	58,714
Brazil	1,730	46,786	51,668
Taiwan	139,054	59,161	48,976
Hong Kong	11,925	19,845	45,185
Germany(*)	47,144	65,527	44,920
Vietnam	63,310	16,855	17,799
Haiti	20,902	5,584	17,574
Malaysia	19,484	14,930	7,594
Spain	441	145	7,578
Japan	20,897	6,460	5,932
India	2,316	1,436	3,435
Indonesia	0	0	2,720
Rest of World	36,805	2,650	6,578
World Total	6,008,195	4,612,680	4,212,879

(*) Denotes a country that is a summarization of its component countries.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-69.—Mink: Farms, pelts produced, average price, and value, United States, 2008–2017

Year	Mink farms	Pelts produced	Average marketing price	Value of mink pelts
	<i>Number</i>	<i>Number</i>	<i>Dollars</i>	<i>Dollars</i>
2008	274	2,820,700	41.60	117,341,120
2009	278	2,866,700	65.10	186,622,170
2010	265	2,840,200	81.90	232,612,380
2011	268	3,091,470	94.30	291,525,621
2012 ¹	(NA)	(NA)	(NA)	(NA)
2013	(NA)	3,544,610	56.30	199,561,543
2014	(NA)	3,741,150	57.70	215,864,355
2015	(NA)	3,682,960	32.00	117,854,720
2016	(NA)	3,454,410	34.70	119,868,027
2017	(NA)	3,305,440	36.30	119,987,472

(NA) Not available. ¹ Due to sequestration the Mink report was suspended. NASS, Livestock Branch, (202) 720-3570.

Table 7-70.—Mink pelts: Pelts produced by color class, selected States, and United States, 2017

State	Black	Demi/Wild	Pastel	Sapphire	Blue Iris	Mahogany
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Idaho	94,000	(D)	14,000	11,500	(D)	165,000
Illinois	51,000	-	-	(D)	-	(D)
Iowa	44,000	-	(D)	2,900	(D)	36,000
Michigan	59,000	-	500	200	(D)	1,200
Minnesota	(D)	(D)	(D)	(D)	(D)	37,000
Montana	(D)	(D)	-	-	-	-
Ohio	(D)	(D)	-	(D)	-	(D)
Oregon	210,000	-	-	(D)	44,000	(D)
Pennsylvania	33,000	(D)	5,500	11,500	(D)	(D)
Utah	280,000	24,000	33,000	45,000	1,900	285,000
Washington	27,000	-	-	-	(D)	(D)
Wisconsin	690,000	(D)	33,000	39,000	116,000	49,000
Other States ¹	151,150	86,010	11,810	88,800	40,730	56,200
United States	1,639,150	110,010	97,810	198,900	184,120	629,400

State	Pearl	Lavender	Violet	White	Other	Total ²
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Idaho	-	(D)	(D)	(D)	(D)	313,500
Illinois	(D)	-	-	(D)	-	81,100
Iowa	-	-	-	(D)	-	88,210
Michigan	-	3,500	(D)	7,500	-	77,700
Minnesota	-	-	(D)	31,000	(D)	180,580
Montana	-	-	-	-	-	(D)
Ohio	(D)	(D)	(D)	(D)	-	(D)
Oregon	-	(D)	(D)	-	-	283,670
Pennsylvania	(D)	(D)	(D)	(D)	(D)	68,130
Utah	(D)	(D)	(D)	(D)	(D)	734,260
Washington	-	-	-	-	-	44,000
Wisconsin	-	20,000	(D)	151,000	(D)	1,091,180
Other States ¹	115,510	10,630	42,730	52,730	11,450	343,110
United States	115,510	34,130	42,730	242,230	11,450	3,305,440

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹ Other States include New Hampshire, New Jersey, New York, North Carolina, South Dakota, and some pelts from the above listed States that were not published to avoid disclosing individual operations. ² Published color classes may not add to the State total to avoid disclosing individual operations.

NASS, Livestock Branch, (202) 720-3570.

Table 7-71.—Livestock: Number of animals slaughtered under Federal inspection and number of whole carcasses condemned, 2007–2016 ¹

Year	Cattle		Calves		Sheep and lambs	
	Total head	Condemned	Total head	Condemned	Total head	Condemned
	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
2007	33,473	141.5	769	13.6	2,497	4.1
2008	34,220	146.8	866	24.0	2,447	5.2
2009	32,714	143.1	951	23.0	2,297	3.3
2010	33,295	149.4	908	22.7	2,285	3.5
2011	29,530	143.2	740	33.0	1,684	3.1
2012	32,062	142.3	742	26.7	1,978	4.2
2013	31,631	154.0	761	36.7	2,129	5.0
2014	30,721	157.9	645	36.7	2,171	4.1
2015	27,738	161.2	395	21.9	1,994	2.9
2016	29,354	163.2	404	16.8	1,988	2.8

Year	Goats		Hogs		Horses ²	
	Total head	Condemned	Total head	Condemned	Total head	Condemned
	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
2007	613	0.7	105,611	404.8	58	0.4
2008	654	0.9	115,600	393.0	0	0
2009	660	0.8	113,395	333.6	0	0
2010	617	0.7	109,346	316.6	0	0
2011	509	0.5	91,541	266.2	0	0
2012	576	0.5	111,440	256.7	0	0
2013	540	0.5	111,935	296.3	0	0
2014	499	0.7	108,650	320.5	0	0
2015	448	0.5	113,259	307.2	0	0
2016	436	0.5	117,344	301.4	0	0

¹Data are reported by the Food Safety and Inspection Service, USDA for the fiscal year ending September 30. ²Condemnations include ante-mortem and post-mortem inspection. ³Equine slaughter was discontinued during the week of September 22, 2007.

NASS, Livestock Branch, (202) 720-3570.

Table 7-72.—Livestock: Inventory and value, United States, Jan. 1, 2015–2017

Class of livestock and poultry	Inventory			Value					
	2015	2016	2017	Per head ¹			Total		
				2015	2016	2017	2015	2016	2017
	<i>1,000</i>	<i>1,000</i>	<i>1,000</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>
Angora goats ²	160	150	152	124	117	131	16,850	14,757	16,827
Cattle	89,143	91,918	93,705	1,584	1,410	1,109	141,211,070	129,614,960	103,897,618
Chickens ³	483,530	496,119	504,536	4.37	4.22	4.21	1,989,495	2,092,307	2,125,633
Hogs ³	68,919	71,545	73,445	96	92	98	6,626,607	6,597,358	7,216,772
Sheep and lambs	5,280	5,300	5,250	214	202	203	1,129,447	1,072,429	1,063,818

¹Based on reporters' estimates of average price per head in their localities. ²Four-State total for angora goats (Arizona, California, New Mexico, Texas). ³Dec. 1 of preceding year.

NASS, Livestock Branch, (202) 720-3570.

Table 7-73.—Livestock: Market year for specified commodities

Cattle market year average price received: United States marketing years 2008–2017 ¹

Year	Cows ²	Steers and heifers	Calves	Beef cattle ³	Milks cows ⁴
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2008	50.60	94.50	110.00	89.10	1,950.00
2009	44.80	85.40	105.00	80.30	1,390.00
2010	54.80	97.70	117.00	92.20	1,330.00
2011	71.20	117.00	142.00	113.00	1,420.00
2012	81.70	123.00	172.00	121.00	1,430.00
2013	82.30	126.00	181.00	125.00	1,380.00
2014	107.00	153.00	261.00	152.00	1,830.00
2015	103.00	148.00	247.00	147.00	1,990.00
2016	74.30	121.00	158.00	119.00	1,760.00
2017	68.80	120.00	168.00	118.00	1,620.00

Hog market year average price received: United States marketing years 2007–2016 ⁵

Year	Barrows and gilts	Sows	All Hogs
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2007	47.40	32.00	46.60
2008	47.90	29.20	47.00
2009	42.00	36.10	41.60
2010	54.40	48.70	54.10
2011	65.70	57.50	65.30
2012	64.60	51.30	64.20
2013	67.30	62.90	67.20
2014	76.50	77.70	76.50
2015	55.70	44.90	55.30
2016	49.60	40.70	49.30

¹Market year for cattle January 1-December 31 for United States and all States. ²Cows includes beef cows and cull dairy cows sold for slaughter. ³All beef includes steer and heifers combined and cows. ⁴Milk cow prices are calendar year average. ⁵Market year for hogs December 1-November 30 for United States and all States.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-74.—Frozen meat: Cold storage holdings, end of month, United States, 2016–2017

Month	Boneless beef		Beef bone-in		Total beef	
	2016	2017	2016	2017	2016	2017
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	493,121	499,000	40,989	39,215	534,110	538,215
February	464,852	463,934	41,508	38,514	506,360	502,448
March	444,793	422,572	36,968	41,429	481,761	464,001
April	432,792	415,592	35,007	42,826	467,799	458,418
May	425,450	376,699	36,233	34,799	461,683	411,498
June	426,378	383,658	38,155	31,668	464,533	415,326
July	432,858	398,071	36,877	33,765	469,735	431,836
August	439,408	438,094	37,185	38,473	476,593	476,567
September ...	477,690	454,439	41,332	41,576	519,022	496,015
October	494,530	462,093	38,538	44,948	533,068	507,041
November	493,396	443,927	37,557	41,260	530,953	485,187
December	524,456	445,881	43,432	42,176	567,888	488,057

Month	Picnics		Bellies		Butts	
	2016	2017	2016	2017	2016	2017
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	10,705	8,993	60,698	13,995	23,288	23,243
February	11,142	8,437	61,433	16,153	25,586	22,052
March	10,420	8,783	65,028	20,570	21,925	21,925
April	11,470	7,210	72,592	33,536	19,172	21,264
May	9,914	7,741	77,683	31,589	16,340	19,862
June	7,959	7,698	62,921	22,291	15,057	15,057
July	8,022	6,648	50,733	17,602	16,197	14,502
August	8,446	8,176	32,053	19,213	15,310	16,308
September ...	8,512	8,745	25,084	20,897	18,295	17,247
October	11,294	8,055	20,386	32,268	19,351	21,249
November	8,980	6,866	18,526	35,164	21,654	25,799
December	8,321	5,982	17,986	39,620	18,075	23,883

Month	Hams					
	Bone-in		Boneless		Total	
	2016	2017	2016	2017	2016	2017
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	48,120	34,094	63,022	61,271	111,142	95,365
February	48,278	50,874	67,502	74,293	115,780	125,167
March	37,697	28,850	58,814	61,343	96,511	90,193
April	58,537	36,689	71,680	76,126	130,217	112,815
May	70,368	51,222	73,692	92,419	144,060	143,641
June	83,931	74,248	82,520	104,063	166,451	178,311
July	96,878	87,178	91,563	107,790	188,441	194,968
August	117,166	91,736	108,904	112,151	226,070	203,887
September ...	130,795	99,301	118,177	132,733	248,972	232,034
October	100,545	79,733	90,885	115,594	191,430	195,327
November	49,143	27,715	56,958	70,509	106,101	98,224
December	21,554	15,458	47,267	65,624	68,821	81,082

Month	Loins					
	Bone-in		Boneless		Total	
	2016	2017	2016	2017	2016	2017
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	16,589	14,212	30,113	25,493	46,702	39,705
February	15,114	13,911	27,621	24,244	42,735	38,155
March	17,006	13,753	30,911	22,608	47,917	36,361
April	14,451	16,365	29,085	26,507	43,536	42,872
May	11,666	15,502	27,449	24,855	39,115	40,357
June	13,012	13,168	24,886	26,729	37,898	39,897
July	11,328	9,826	22,331	24,052	33,659	33,878
August	10,635	10,180	20,642	22,461	31,277	32,641
September ...	9,535	12,129	22,393	22,162	31,928	34,291
October	11,357	10,971	24,862	25,956	36,219	36,927
November	14,633	9,007	26,180	27,433	40,813	36,440
December	14,202	9,684	24,105	25,445	38,307	35,129

See footnote(s) at end of table.

Table 7-74.—Frozen meat: Cold storage holdings, end of month, United States, 2016–2017—Continued

Month	Ribs		Trimmings		Other frozen pork	
	2016	2017	2016	2017	2016	2017
	<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	139,914	128,029	42,138	34,281	94,920	85,023
February	143,396	139,525	39,653	37,339	94,218	86,028
March	146,135	140,639	44,865	40,087	84,913	83,593
April	138,117	136,875	40,991	40,613	82,891	88,858
May	109,997	114,460	40,686	37,308	82,116	91,386
June	85,635	85,993	34,908	32,781	75,636	90,064
July	90,139	77,182	36,172	29,858	78,476	91,725
August	75,957	74,341	33,045	34,811	85,713	99,330
September ...	83,729	88,032	35,811	34,643	86,941	99,095
October	98,916	94,859	31,773	33,185	88,655	94,458
November	109,413	100,218	35,678	37,484	83,038	93,602
December	115,590	104,264	34,096	43,080	82,495	86,880
Month	Variety meats		Unclassified pork		Total pork	
	2016	2017	2016	2017	2016	2017
	<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	47,434	52,415	48,305	43,166	625,246	524,215
February	47,461	50,908	47,544	44,091	628,948	567,855
March	50,616	54,430	45,473	48,882	613,803	545,463
April	49,429	54,471	48,905	51,810	637,320	590,324
May	48,293	49,848	47,920	52,024	616,124	588,216
June	49,172	39,419	50,842	47,499	586,479	559,010
July	49,795	40,879	46,958	47,612	598,592	554,854
August	51,973	37,736	49,111	49,255	608,955	575,698
September ...	52,397	37,231	50,634	46,348	642,303	618,563
October	47,843	35,495	53,143	46,551	599,010	598,374
November	47,403	28,709	47,207	39,818	518,813	502,324
December	47,968	27,965	43,728	42,162	475,387	490,047
Month	Veal		Lamb & mutton		Total red meat	
	2016	2017	2016	2017	2016	2017
	<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	6,899	18,535	47,111	20,361	1,213,366	1,101,326
February	7,315	16,950	40,051	25,694	1,182,674	1,112,947
March	6,674	16,104	40,648	25,792	1,142,886	1,051,360
April	6,191	15,383	39,787	28,603	1,151,097	1,092,728
May	6,482	12,870	44,816	29,859	1,129,105	1,042,443
June	8,672	12,297	39,518	26,177	1,099,202	1,012,810
July	8,759	16,329	40,979	26,770	1,118,065	1,029,789
August	8,350	15,311	36,563	32,383	1,130,461	1,099,959
September ...	11,003	13,669	32,736	31,415	1,205,064	1,159,662
October	11,770	12,344	29,439	31,594	1,173,287	1,149,353
November	7,581	15,799	21,876	28,977	1,079,223	1,032,287
December	14,426	16,373	26,140	26,714	1,083,841	1,021,191

NASS, Livestock Branch, (202) 720-3570.

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 8-1.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, United States, Jan. 1, 2009–2018

Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements
	<i>Thousands</i>	<i>Thousands</i>
2009	9,333	4,410
2010	9,087	4,551
2011	9,156	4,577
2012	9,236	4,618
2013	9,221	4,546
2014	9,208	4,549
2015	9,307	4,710
2016	9,310	4,814
2017	9,346	4,754
2018	9,400	4,781

NASS, Livestock Branch, (202) 720-3570.

Table 8-2.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, by State and United States, Jan. 1, 2017 and 2018

State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements	
	2017	2018	2017	2018
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Alabama	7.0	6.0	4.0	3.0
Alaska	0.3	0.3	0.1	0.1
Arizona	196.0	203.0	117.0	105.0
Arkansas	6.0	6.0	3.0	4.0
California	1,755.0	1,740.0	760.0	790.0
Colorado	155.0	166.0	100.0	100.0
Connecticut	19.0	19.0	9.5	9.5
Delaware	5.0	5.0	2.2	2.0
Florida	122.0	124.0	35.0	40.0
Georgia	83.0	85.0	30.0	25.0
Hawaii	2.4	2.0	1.0	1.0
Idaho	600.0	600.0	310.0	310.0
Illinois	93.0	93.0	52.0	47.0
Indiana	185.0	187.0	80.0	75.0
Iowa	215.0	220.0	135.0	135.0
Kansas	150.0	153.0	100.0	140.0
Kentucky	57.0	57.0	40.0	45.0
Louisiana	12.0	12.0	4.0	4.0
Maine	30.0	30.0	15.0	15.0
Maryland	47.0	47.0	29.0	28.0
Massachusetts	11.5	11.5	7.0	7.0
Michigan	425.0	428.0	170.0	176.0
Minnesota	460.0	455.0	295.0	290.0
Mississippi	9.0	9.0	6.0	7.0
Missouri	85.0	84.0	45.0	40.0
Montana	14.0	13.0	9.0	7.0
Nebraska	60.0	60.0	25.0	15.0
Nevada	30.0	32.0	11.0	12.0
New Hampshire	13.5	12.5	6.0	8.0
New Jersey	6.5	6.0	3.7	3.2
New Mexico	325.0	332.0	110.0	130.0
New York	620.0	625.0	355.0	350.0
North Carolina	45.0	45.0	22.0	19.0
North Dakota	16.0	15.5	9.0	9.0
Ohio	262.0	264.0	120.0	121.0
Oklahoma	35.0	39.0	20.0	25.0
Oregon	124.0	124.0	65.0	70.0
Pennsylvania	525.0	525.0	315.0	310.0
Rhode Island	0.8	0.8	0.5	0.5
South Carolina	15.0	15.0	7.0	6.0
South Dakota	116.0	119.0	45.0	45.0
Tennessee	41.0	40.0	35.0	25.0
Texas	490.0	515.0	260.0	250.0
Utah	92.0	97.0	55.0	50.0
Vermont	129.0	128.0	56.0	57.0
Virginia	87.0	87.0	38.0	40.0
Washington	275.0	274.0	120.0	123.0
West Virginia	8.0	7.0	4.0	3.0
Wisconsin	1,280.0	1,275.0	710.0	700.0
Wyoming	6.0	6.0	3.0	4.0
United States	9,346.0	9,399.6	4,754.0	4,781.3

NASS, Livestock Branch, (202) 720-3570.

Table 8-3.—Milk and milkfat production: Number of milk cows, production per cow, and total quantity produced, by State and United States, 2016 ¹

State	Number of milk cows ²	Production of milk and milkfat ³				
		Per milk cow		All milk percent of fat	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>
Alabama	7.0	13,143	499	3.80	92.0	3.5
Alaska	0.3	11,667	455	3.90	3.5	0.1
Arizona	196.0	24,679	876	3.55	4,837.0	171.7
Arkansas	6.0	13,333	489	3.67	80.0	2.9
California	1,762.0	22,968	870	3.79	40,469.0	1,533.8
Colorado	151.0	25,993	949	3.65	3,925.0	143.3
Connecticut	19.0	21,526	844	3.92	409.0	16.0
Delaware	5.0	19,100	733	3.84	95.5	3.7
Florida	123.0	20,285	734	3.62	2,495.0	90.3
Georgia	84.0	21,786	780	3.58	1,830.0	65.5
Hawaii	2.4	14,542	486	3.34	34.9	1.2
Idaho	595.0	24,647	951	3.86	14,665.0	566.1
Illinois	94.0	20,340	771	3.79	1,912.0	72.5
Indiana	184.0	22,571	835	3.70	4,153.0	153.7
Iowa	213.0	23,634	908	3.84	5,034.0	193.3
Kansas	146.0	22,801	841	3.69	3,329.0	122.8
Kentucky	58.0	18,052	661	3.66	1,047.0	38.3
Louisiana	12.0	14,083	524	3.72	169.0	6.3
Maine	30.0	21,000	794	3.78	630.0	23.8
Maryland	48.0	19,938	752	3.77	957.0	36.1
Massachusetts ..	12.0	18,417	716	3.89	221.0	8.6
Michigan	419.0	25,957	953	3.67	10,876.0	399.1
Minnesota	461.0	20,967	818	3.90	9,666.0	377.0
Mississippi	10.0	14,400	546	3.79	144.0	5.5
Missouri	85.0	14,824	575	3.88	1,260.0	48.9
Montana	14.0	21,071	786	3.73	295.0	11.0
Nebraska	60.0	23,317	888	3.81	1,399.0	53.3
Nevada	30.0	22,000	840	3.82	660.0	25.2
New Hampshire ..	14.0	20,500	787	3.84	287.0	11.0
New Jersey	7.0	17,429	666	3.82	122.0	4.7
New Mexico	315.0	24,479	879	3.59	7,711.0	276.8
New York	620.0	23,834	908	3.81	14,777.0	563.0
North Carolina ..	46.0	20,978	770	3.67	965.0	35.4
North Dakota	16.0	21,500	832	3.87	344.0	13.3
Ohio	265.0	20,936	798	3.81	5,548.0	211.4
Oklahoma	37.0	18,703	692	3.70	692.0	25.6
Oregon	125.0	20,744	819	3.95	2,593.0	102.4
Pennsylvania	529.0	20,454	775	3.79	10,820.0	410.1
Rhode Island	0.8	17,625	701	3.98	14.1	0.6
South Carolina ..	15.0	16,667	642	3.85	250.0	9.6
South Dakota	115.0	22,139	899	4.06	2,546.0	103.4
Tennessee	42.0	16,571	608	3.67	696.0	25.5
Texas	475.0	22,680	898	3.96	10,773.0	426.6
Utah	92.0	22,772	865	3.80	2,095.0	79.6
Vermont	130.0	20,977	799	3.81	2,727.0	103.9
Virginia	90.0	19,144	710	3.71	1,723.0	63.9
Washington	276.0	24,094	954	3.96	6,650.0	263.3
West Virginia	9.0	14,889	554	3.72	134.0	5.0
Wisconsin	1,279.0	23,542	890	3.78	30,110.0	1,138.2
Wyoming	6.0	23,300	832	3.57	139.8	5.0
United States	9,325.0	22,778	863	3.79	212,405.0	8,051.8

¹ May not add due to rounding. ² Average number during year, excluding heifers not yet fresh. ³ Excludes milk sucked by calves.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-4.—Milk and milkfat production: Number of milk cows, production per cow, and total quantity produced, by State and United States, 2017 ¹

State	Number of milk cows ²	Production of milk and milkfat ³				
		Per milk cow		All milk percent of fat	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>
Alabama	6.0	14,833	573	3.86	89.0	3.4
Alaska	0.3	9,667	379	3.92	2.9	0.1
Arizona	203.0	24,680	893	3.62	5,010.0	181.4
Arkansas	6.0	13,167	490	3.72	79.0	2.9
California	1,749.0	22,755	876	3.85	39,798.0	1,532.2
Colorado	160.0	26,181	966	3.69	4,189.0	154.6
Connecticut	19.0	22,105	882	3.99	420.0	16.8
Delaware	5.0	18,560	716	3.86	92.8	3.6
Florida	124.0	20,129	743	3.69	2,496.0	92.1
Georgia	84.0	21,905	795	3.63	1,840.0	66.8
Hawaii	2.3	16,913	560	3.31	38.9	1.3
Idaho	600.0	24,378	953	3.91	14,627.0	571.9
Illinois	93.0	20,742	796	3.84	1,929.0	74.1
Indiana	187.0	22,802	853	3.74	4,264.0	159.5
Iowa	218.0	23,725	918	3.87	5,172.0	200.2
Kansas	152.0	23,000	865	3.76	3,496.0	131.4
Kentucky	56.0	18,589	699	3.76	1,041.0	39.1
Louisiana	12.0	13,333	517	3.88	160.0	6.2
Maine	30.0	21,000	804	3.83	630.0	24.1
Maryland	48.0	19,854	758	3.82	953.0	36.4
Massachusetts ..	12.0	17,583	696	3.96	211.0	8.4
Michigan	427.0	26,302	978	3.72	11,231.0	417.8
Minnesota	458.0	21,537	838	3.89	9,864.0	383.7
Mississippi	9.0	15,222	585	3.84	137.0	5.3
Missouri	85.0	14,588	573	3.93	1,240.0	48.7
Montana	13.0	22,154	831	3.75	288.0	10.8
Nebraska	60.0	24,067	924	3.84	1,444.0	55.4
Nevada	32.0	22,156	866	3.91	709.0	27.7
New Hampshire ..	13.0	21,000	815	3.88	273.0	10.6
New Jersey	6.0	19,833	758	3.82	119.0	4.5
New Mexico	329.0	24,960	909	3.64	8,212.0	298.9
New York	623.0	23,936	922	3.85	14,912.0	574.1
North Carolina ..	45.0	21,156	793	3.75	952.0	35.7
North Dakota	16.0	21,563	826	3.83	345.0	13.2
Ohio	263.0	21,259	821	3.86	5,591.0	215.8
Oklahoma	39.0	18,667	702	3.76	728.0	27.4
Oregon	124.0	20,395	816	4.00	2,529.0	101.2
Pennsylvania	525.0	20,834	798	3.83	10,938.0	418.9
Rhode Island	0.8	16,250	644	3.96	13.0	0.5
South Carolina ..	15.0	16,467	634	3.85	247.0	9.5
South Dakota	117.0	22,376	913	4.08	2,618.0	106.8
Tennessee	40.0	17,325	651	3.76	693.0	26.1
Texas	511.0	23,589	953	4.04	12,054.0	487.0
Utah	95.0	23,316	886	3.80	2,215.0	84.2
Vermont	129.0	21,147	814	3.85	2,728.0	105.0
Virginia	87.0	19,954	748	3.75	1,736.0	65.1
Washington	274.0	23,818	953	4.00	6,526.0	261.0
West Virginia	8.0	15,875	602	3.79	127.0	4.8
Wisconsin	1,278.0	23,725	906	3.82	30,320.0	1,158.2
Wyoming	6.0	23,033	838	3.64	138.2	5.0
United States	9,392.0	22,941	881	3.84	215,466.0	8,269.4

¹ May not add due to rounding. ² Average number during year, excluding heifers not yet fresh. ³ Excludes milk sucked by calves.

NASS, Livestock Branch, (202) 720-3570.

Table 8-5.—Milk: Quantities used and marketed by producers, by State and United States, 2016¹

State	Milk used where produced			Milk marketed by producers	
	Fed to calves ²	Used for milk cream & butter	Total	Total quantity ³	Fluid grade ⁴
	Million pounds	Million pounds	Million pounds	Million pounds	Percent
Alabama	0.7	0.3	1.0	91.0	100
Alaska	0.1	0.2	0.3	3.2	100
Arizona	12.0	1.0	13.0	4,824.0	100
Arkansas	1.7	0.3	2.0	78.0	100
California	27.0	5.0	32.0	40,437.0	98
Colorado	21.0	1.0	22.0	3,903.0	100
Connecticut	2.5	0.5	3.0	406.0	100
Delaware	0.9	0.1	1.0	94.5	100
Florida	5.0	1.0	6.0	2,489.0	100
Georgia	7.0	1.0	8.0	1,822.0	100
Hawaii	0.1	0.1	0.2	34.7	100
Idaho	30.0	1.0	31.0	14,634.0	100
Illinois	10.0	2.0	12.0	1,900.0	98
Indiana	23.0	4.0	27.0	4,126.0	100
Iowa	14.0	1.0	15.0	5,019.0	99
Kansas	13.0	1.0	14.0	3,315.0	100
Kentucky	5.0	1.0	6.0	1,041.0	100
Louisiana	2.0	1.0	3.0	166.0	100
Maine	3.0	1.0	4.0	626.0	100
Maryland	7.0	1.0	8.0	949.0	100
Massachusetts	1.5	0.5	2.0	219.0	100
Michigan	32.0	2.0	34.0	10,842.0	100
Minnesota	100.0	5.0	105.0	9,561.0	99
Mississippi	1.0	2.0	3.0	141.0	100
Missouri	17.0	4.0	21.0	1,239.0	97
Montana	3.0	2.0	5.0	290.0	100
Nebraska	6.5	0.5	7.0	1,392.0	100
Nevada	5.0	1.0	6.0	654.0	100
New Hampshire	1.5	0.5	2.0	285.0	100
New Jersey	1.5	0.5	2.0	120.0	100
New Mexico	40.0	3.0	43.0	7,668.0	100
New York	50.0	2.0	52.0	14,725.0	100
North Carolina	4.0	1.0	5.0	960.0	100
North Dakota	4.5	0.5	5.0	339.0	97
Ohio	22.0	5.0	27.0	5,521.0	97
Oklahoma	5.0	1.0	6.0	686.0	100
Oregon	20.0	1.0	21.0	2,572.0	100
Pennsylvania	59.0	13.0	72.0	10,748.0	100
Rhode Island	0.1	-	0.1	14.0	100
South Carolina	2.0	1.0	3.0	247.0	100
South Dakota	6.0	1.0	7.0	2,539.0	100
Tennessee	4.0	1.0	5.0	691.0	100
Texas	27.0	1.0	28.0	10,745.0	100
Utah	13.0	1.0	14.0	2,081.0	100
Vermont	13.0	2.0	15.0	2,712.0	100
Virginia	8.0	2.0	10.0	1,713.0	100
Washington	19.0	1.0	20.0	6,630.0	100
West Virginia	2.0	1.0	3.0	131.0	100
Wisconsin	244.0	16.0	260.0	29,850.0	99
Wyoming	1.3	0.2	1.5	138.3	100
United States	898.0	95.0	993.0	211,412.0	99

- Represents zero. ¹ May not add due to rounding. ² Excludes milk sucked by calves. ³ Milk sold to plants and dealers as whole milk and equivalent amounts of milk for cream. Includes milk produced by dealers' own herds and milk sold directly to consumers. Also includes milk produced by institutional herds. ⁴ Percentage of milk sold that is eligible for fluid use (Grade A in most States). Includes fluid grade milk used in manufacturing dairy products.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-6.—Milk: Quantities used and marketed by producers, by State and United States, 2017¹

State	Milk used where produced			Milk marketed by producers	
	Fed to calves ²	Used for milk cream & butter	Total	Total quantity ³	Fluid grade ⁴
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>
Alabama	0.7	0.3	1.0	88.0	100
Alaska	0.2	0.2	0.4	2.5	100
Arizona	13.0	1.0	14.0	4,996.0	100
Arkansas	1.7	0.3	2.0	77.0	100
California	26.0	4.0	30.0	39,768.0	97
Colorado	21.0	1.0	22.0	4,167.0	100
Connecticut	2.5	0.5	3.0	417.0	100
Delaware	0.9	0.1	1.0	91.8	100
Florida	5.0	1.0	6.0	2,490.0	100
Georgia	7.0	1.0	8.0	1,832.0	100
Hawaii	0.1	0.1	0.2	38.7	100
Idaho	31.0	1.0	32.0	14,595.0	100
Illinois	10.0	2.0	12.0	1,917.0	98
Indiana	23.0	4.0	27.0	4,237.0	100
Iowa	15.0	1.0	16.0	5,156.0	100
Kansas	12.0	1.0	13.0	3,483.0	100
Kentucky	5.0	1.0	6.0	1,035.0	100
Louisiana	2.0	1.0	3.0	157.0	100
Maine	3.0	1.0	4.0	626.0	100
Maryland	7.0	1.0	8.0	945.0	100
Massachusetts	1.5	0.5	2.0	209.0	100
Michigan	33.0	2.0	35.0	11,196.0	100
Minnesota	95.0	4.0	99.0	9,765.0	99
Mississippi	1.0	2.0	3.0	134.0	100
Missouri	17.0	4.0	21.0	1,219.0	97
Montana	3.0	2.0	5.0	283.0	100
Nebraska	5.5	0.5	6.0	1,438.0	100
Nevada	5.0	1.0	6.0	703.0	100
New Hampshire	1.5	0.5	2.0	271.0	100
New Jersey	1.5	0.5	2.0	117.0	100
New Mexico	40.0	3.0	43.0	8,169.0	100
New York	55.0	2.0	57.0	14,855.0	100
North Carolina	5.0	1.0	6.0	946.0	100
North Dakota	4.5	0.5	5.0	340.0	98
Ohio	24.0	5.0	29.0	5,562.0	97
Oklahoma	6.0	1.0	7.0	721.0	100
Oregon	20.0	1.0	21.0	2,508.0	100
Pennsylvania	61.0	14.0	75.0	10,863.0	100
Rhode Island	0.1	-	0.1	12.9	100
South Carolina	2.0	1.0	3.0	244.0	100
South Dakota	7.0	1.0	8.0	2,610.0	100
Tennessee	4.0	1.0	5.0	688.0	100
Texas	25.0	1.0	26.0	12,028.0	100
Utah	12.0	1.0	13.0	2,202.0	100
Vermont	13.0	2.0	15.0	2,713.0	100
Virginia	8.0	2.0	10.0	1,726.0	100
Washington	17.0	1.0	18.0	6,508.0	100
West Virginia	2.0	1.0	3.0	124.0	100
Wisconsin	230.0	14.0	244.0	30,076.0	99
Wyoming	1.3	0.2	1.5	136.7	100
United States	887.0	92.0	979.0	214,487.0	99

- Represents zero. ¹ May not add due to rounding. ² Excludes milk sucked by calves. ³ Milk sold to plants and dealers as whole milk and equivalent amounts of milk for cream. Includes milk produced by dealers' own herds and milk sold directly to consumers. Also includes milk produced by institutional herds. ⁴ Percentage of milk sold that is eligible for fluid use (Grade A in most States). Includes fluid grade milk used in manufacturing dairy products.
NASS, Livestock Branch, (202) 720-3570.

Table 8-7.—Milk and cream: Marketings and income, by State and United States, 2016¹

State	Milk utilized	All milk Average returns per cwt ²	Returns per lb milkfat	Cash receipts from marketings
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Alabama	91.0	17.10	4.50	15,561
Alaska	3.2	21.90	5.62	701
Arizona	4,824.0	15.10	4.25	728,424
Arkansas	78.0	16.60	4.52	12,948
California	40,437.0	15.00	3.96	6,065,550
Colorado	3,903.0	16.70	4.58	651,801
Connecticut	406.0	17.00	4.34	69,020
Delaware	94.5	16.10	4.19	15,215
Florida	2,489.0	19.60	5.41	487,844
Georgia	1,822.0	17.50	4.89	318,850
Hawaii	34.7	26.40	7.90	9,161
Idaho	14,634.0	16.10	4.17	2,356,074
Illinois	1,900.0	16.60	4.38	315,400
Indiana	4,126.0	16.20	4.38	668,412
Iowa	5,019.0	16.60	4.32	833,154
Kansas	3,315.0	16.00	4.34	530,400
Kentucky	1,041.0	17.20	4.70	179,052
Louisiana	166.0	16.70	4.49	27,722
Maine	626.0	18.60	4.92	116,436
Maryland	949.0	16.40	4.35	155,636
Massachusetts ..	219.0	17.30	4.45	37,887
Michigan	10,842.0	15.10	4.11	1,637,142
Minnesota	9,561.0	16.80	4.31	1,606,248
Mississippi	141.0	17.20	4.54	24,252
Missouri	1,239.0	16.90	4.36	209,391
Montana	290.0	15.80	4.24	45,820
Nebraska	1,392.0	16.90	4.44	235,248
Nevada	654.0	16.30	4.27	106,602
New Hampshire ..	285.0	17.40	4.53	49,590
New Jersey	120.0	16.40	4.29	19,680
New Mexico	7,668.0	15.60	4.35	1,196,208
New York	14,725.0	17.00	4.46	2,503,250
North Carolina ..	960.0	17.10	4.66	164,160
North Dakota	339.0	16.20	4.19	54,918
Ohio	5,521.0	16.80	4.41	927,528
Oklahoma	686.0	17.70	4.78	121,422
Oregon	2,572.0	18.10	4.58	465,532
Pennsylvania	10,748.0	17.20	4.54	1,848,656
Rhode Island	14.0	17.20	4.32	2,408
South Carolina ...	247.0	17.80	4.62	43,966
South Dakota	2,539.0	17.60	4.33	446,864
Tennessee	691.0	17.20	4.69	118,852
Texas	10,745.0	17.20	4.34	1,848,140
Utah	2,081.0	16.20	4.26	337,122
Vermont	2,712.0	17.30	4.54	469,176
Virginia	1,713.0	18.00	4.85	308,340
Washington	6,630.0	16.50	4.17	1,093,950
West Virginia	131.0	16.10	4.33	21,091
Wisconsin	29,850.0	16.80	4.44	5,014,800
Wyoming	138.3	16.70	4.68	23,096
United States	211,412.0	16.34	4.31	34,538,700

¹ May not add due to rounding. ² Cash receipts divided by milk or milkfat in combined marketings. NASS, Livestock Branch, (202) 720-3570.

Table 8-8.—Milk and cream: Marketings and income, by State and United States, 2017¹

State	Milk utilized	All milk Average returns per cwt ²	Returns per lb milkfat	Cash receipts from marketings
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Alabama	88.0	18.60	4.82	16,368
Alaska	2.5	22.00	5.61	550
Arizona	4,996.0	16.70	4.61	834,332
Arkansas	77.0	18.70	5.03	14,399
California	39,768.0	16.50	4.29	6,561,720
Colorado	4,167.0	18.10	4.91	754,227
Connecticut	417.0	18.70	4.69	77,979
Delaware	91.8	17.60	4.56	16,157
Florida	2,490.0	21.50	5.83	535,350
Georgia	1,832.0	19.00	5.23	348,080
Hawaii	38.7	28.60	8.64	11,068
Idaho	14,595.0	17.20	4.40	2,510,340
Illinois	1,917.0	18.30	4.77	350,811
Indiana	4,237.0	17.70	4.73	749,949
Iowa	5,156.0	18.10	4.68	933,236
Kansas	3,483.0	16.90	4.49	588,627
Kentucky	1,035.0	18.90	5.03	195,615
Louisiana	157.0	18.70	4.82	29,359
Maine	626.0	19.80	5.17	123,948
Maryland	945.0	17.80	4.66	168,210
Massachusetts ..	209.0	18.80	4.75	39,292
Michigan	11,196.0	16.40	4.41	1,836,144
Minnesota	9,765.0	17.80	4.58	1,738,170
Mississippi	134.0	18.90	4.92	25,326
Missouri	1,219.0	18.70	4.76	227,953
Montana	283.0	17.50	4.67	49,525
Nebraska	1,438.0	18.20	4.74	261,716
Nevada	703.0	17.90	4.58	125,837
New Hampshire ..	271.0	18.60	4.79	50,406
New Jersey	117.0	18.30	4.79	21,411
New Mexico	8,169.0	16.30	4.48	1,331,547
New York	14,855.0	18.20	4.73	2,703,610
North Carolina ..	946.0	18.80	5.01	177,848
North Dakota	340.0	17.60	4.60	59,840
Ohio	5,562.0	18.40	4.77	1,023,408
Oklahoma	721.0	19.20	5.11	138,432
Oregon	2,508.0	19.80	4.95	496,584
Pennsylvania	10,863.0	18.60	4.86	2,020,518
Rhode Island	12.9	18.60	4.70	2,399
South Carolina ..	244.0	19.10	4.96	46,604
South Dakota	2,610.0	18.80	4.61	490,680
Tennessee	688.0	18.90	5.03	130,032
Texas	12,028.0	18.40	4.55	2,213,152
Utah	2,202.0	17.70	4.66	389,754
Vermont	2,713.0	18.70	4.86	507,331
Virginia	1,726.0	19.40	5.17	334,844
Washington	6,508.0	18.20	4.55	1,184,456
West Virginia	124.0	18.00	4.75	22,320
Wisconsin	30,076.0	18.10	4.74	5,443,756
Wyoming	136.7	17.90	4.92	24,469
United States	214,487.0	17.69	4.61	37,937,689

¹ May not add due to rounding. ² Cash receipts divided by milk or milkfat in combined marketings.
NASS, Livestock Branch, (202) 720-3570.

Table 8-9.—Milk production: Value, by State and United States, 2016¹

State	Used for milk, cream, & butter by producers		Gross producer income ³	Value of milk produced ^{2 4}
	Milk utilized	Value ²		
	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Alabama	0.3	51	15,612	15,732
Alaska	0.2	44	745	767
Arizona	1.0	151	728,575	730,387
Arkansas	0.3	50	12,998	13,280
California	5.0	750	6,066,300	6,070,350
Colorado	1.0	167	651,968	655,475
Connecticut	0.5	85	69,105	69,530
Delaware	0.1	16	15,231	15,376
Florida	1.0	196	488,040	489,020
Georgia	1.0	175	319,025	320,250
Hawaii	0.1	26	9,187	9,214
Idaho	1.0	161	2,356,235	2,361,065
Illinois	2.0	332	315,732	317,392
Indiana	4.0	648	669,060	672,786
Iowa	1.0	166	833,320	835,644
Kansas	1.0	160	530,560	532,640
Kentucky	1.0	172	179,224	180,084
Louisiana	1.0	167	27,889	28,223
Maine	1.0	186	116,622	117,180
Maryland	1.0	164	155,800	156,948
Massachusetts	0.5	87	37,974	38,233
Michigan	2.0	302	1,637,444	1,642,276
Minnesota	5.0	840	1,607,088	1,623,888
Mississippi	2.0	344	24,596	24,768
Missouri	4.0	676	210,067	212,940
Montana	2.0	316	46,136	46,610
Nebraska	0.5	85	235,333	236,431
Nevada	1.0	163	106,765	107,580
New Hampshire	0.5	87	49,677	49,938
New Jersey	0.5	82	19,762	20,008
New Mexico	3.0	468	1,196,676	1,202,916
New York	2.0	340	2,503,590	2,512,090
North Carolina	1.0	171	164,331	165,015
North Dakota	0.5	81	54,999	55,728
Ohio	5.0	840	928,368	932,064
Oklahoma	1.0	177	121,599	122,484
Oregon	1.0	181	465,713	469,333
Pennsylvania	13.0	2,236	1,850,892	1,861,040
Rhode Island	-	-	2,408	2,425
South Carolina	1.0	178	44,144	44,500
South Dakota	1.0	176	447,040	448,096
Tennessee	1.0	172	119,024	119,712
Texas	1.0	172	1,848,312	1,852,956
Utah	1.0	162	337,284	339,390
Vermont	2.0	346	469,522	471,771
Virginia	2.0	360	308,700	310,140
Washington	1.0	165	1,094,115	1,097,250
West Virginia	1.0	161	21,252	21,574
Wisconsin	16.0	2,688	5,017,488	5,058,480
Wyoming	0.2	33	23,129	23,347
United States	95.0	15,956	34,554,656	34,704,326

- Represents zero. ¹ May not add due to rounding. ² Value at average returns per 100 pounds of milk in combined marketings of milk and cream. ³ Cash receipts from marketings of milk and cream plus value of milk used for home consumption. ⁴ Includes value of milk fed to calves.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-10.—Milk production: Value, by State and United States, 2017¹

State	Used for milk, cream, & butter by producers		Gross producer income ³	Value of milk produced ^{2 4}
	Milk utilized	Value ²		
	<i>Million pounds</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
Alabama	0.3	56	16,424	16,554
Alaska	0.2	44	594	638
Arizona	1.0	167	834,499	836,670
Arkansas	0.3	56	14,455	14,773
California	4.0	660	6,562,380	6,566,670
Colorado	1.0	181	754,408	758,209
Connecticut	0.5	94	78,073	78,540
Delaware	0.1	18	16,175	16,333
Florida	1.0	215	535,565	536,640
Georgia	1.0	190	348,270	349,600
Hawaii	0.1	29	11,097	11,125
Idaho	1.0	172	2,510,512	2,515,844
Illinois	2.0	366	351,177	353,007
Indiana	4.0	708	750,657	754,728
Iowa	1.0	181	933,417	936,132
Kansas	1.0	169	588,796	590,824
Kentucky	1.0	189	195,804	196,749
Louisiana	1.0	187	29,546	29,920
Maine	1.0	198	124,146	124,740
Maryland	1.0	178	168,388	169,634
Massachusetts	0.5	94	39,386	39,668
Michigan	2.0	328	1,836,472	1,841,884
Minnesota	4.0	712	1,738,882	1,755,792
Mississippi	2.0	378	25,704	25,893
Missouri	4.0	748	228,701	231,880
Montana	2.0	350	49,875	50,400
Nebraska	0.5	91	261,807	262,808
Nevada	1.0	179	126,016	126,911
New Hampshire	0.5	93	50,499	50,778
New Jersey	0.5	92	21,503	21,777
New Mexico	3.0	489	1,332,036	1,338,556
New York	2.0	364	2,703,974	2,713,984
North Carolina	1.0	188	178,036	178,976
North Dakota	0.5	88	59,928	60,720
Ohio	5.0	920	1,024,328	1,028,744
Oklahoma	1.0	192	138,624	139,776
Oregon	1.0	198	496,782	500,742
Pennsylvania	14.0	2,604	2,023,122	2,034,468
Rhode Island	-	-	2,399	2,418
South Carolina	1.0	191	46,795	47,177
South Dakota	1.0	188	490,868	492,184
Tennessee	1.0	189	130,221	130,977
Texas	1.0	184	2,213,336	2,217,936
Utah	1.0	177	389,931	392,055
Vermont	2.0	374	507,705	510,136
Virginia	2.0	388	335,232	336,784
Washington	1.0	182	1,184,638	1,187,732
West Virginia	1.0	180	22,500	22,860
Wisconsin	14.0	2,534	5,446,290	5,487,920
Wyoming	0.2	36	24,505	24,738
United States	92.0	16,789	37,954,478	38,114,004

- Represents zero. ¹ May not add due to rounding. ² Value at average returns per 100 pounds of milk in combined marketings of milk and cream. ³ Cash receipts from marketings of milk and cream plus value of milk used for home consumption. ⁴ Includes value of milk fed to calves.
NASS, Livestock Branch, (202) 720-3570.

Table 8-11.—Milk cows, milk, and fat in cream: Average prices received by farmers, United States, 2008–2017

Year	Milk cows, per head ¹	Milk per 100 pounds ²					
		Eligible for fluid market ³		Of manufacturing grade		All milk wholesale	
		Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	Price per 100 lb.	Fat test
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>
2008	1,950.00	18.45	3.68	17.91	4.01	18.45	3.68
2009	1,390.00	12.94	3.67	12.03	4.00	12.93	3.67
2010	1,330.00	16.37	3.65	14.56	4.00	16.35	3.66
2011	1,420.00	(NA)	(NA)	(NA)	(NA)	20.24	3.71
2012	1,430.00	(NA)	(NA)	(NA)	(NA)	18.56	3.72
2013	1,380.00	(NA)	(NA)	(NA)	(NA)	20.11	3.76
2014	1,830.00	(NA)	(NA)	(NA)	(NA)	24.07	3.74
2015	1,990.00	(NA)	(NA)	(NA)	(NA)	17.21	3.75
2016	1,760.00	(NA)	(NA)	(NA)	(NA)	16.34	3.79
2017	1,620.00	(NA)	(NA)	(NA)	(NA)	17.69	3.84

(NA) Not available. ¹ Simple average of quarterly prices, by States, weighted by the number of milk cows on farms Jan. 1 of the current year. ² 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. ³ Includes fluid milk surplus diverted to manufacturing. NASS, Livestock Branch, (202) 720-3570.

Table 8-12.—Milk-feed price ratios: All milk price; Dairy feed price, 16% protein; Milk-feed price ratios, United States, annual 2008–2017

Year	All milk price	Dairy feed price 16% protein ¹	Milk-feed price ratio ²
	<i>Dollars/cwt</i>	<i>Dollars/ton</i>	<i>Pounds</i>
2008	18.45	313	2.01
2009	12.93	293	1.78
2010	16.35	274	2.26
2011	20.24	369	1.90
2012	18.56	442	1.52
2013	20.11	481	1.75
2014	24.07	502	2.54
2015	17.21	(NA)	2.14
2016	16.34	(NA)	2.26
2017	17.69	(NA)	2.42

¹ Commercially prepared 16%protein dairy ration price collected from March annual Prices Paid Survey. Discontinued beginning 2015. ² Annual ratios based on average of monthly ratios. Pounds of 16% protein mixed dairy feed equal in value to one pound of whole milk. Feed price component (16% protein) calculated using U.S. price received for corn (51 lbs), soybeans (8 1b), and alfalfa hay (41 lbs). NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 8-13.—Fluid beverage milk: Total and per capita consumption, United States, 2006–2015

Year	Consumption	
	Total	Per capita
	<i>Billion pounds</i>	<i>Pounds</i>
2006	54.8	184
2007	54.6	181
2008	54.5	179
2009	54.7	178
2010	54.9	177
2011	54.2	174
2012	53.3	170
2013	52.2	165
2014	50.7	159
2015	49.9	155

ERS, Animal Products and Cost of Production Branch, (202) 694-5171.

Table 8-14.—Federal milk order markets: Measures of growth, 2008–2017¹

Year	Number of markets ²	Population of Federal milk marketing areas	Number of handlers ²	Number of producers ³	Receipts of producer milk	Producer milk used in Class I	Percentage of producer milk 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>
2008	10	242,988	333	47,859	115,867	44,989	38.8
2009	10	245,445	251	46,677	123,430	45,262	36.7
2010	10	247,031	251	45,918	126,909	44,970	35.4
2011	10	247,675	241	43,654	126,879	44,383	35.0
2012	10	250,724	237	40,750	122,388	43,492	35.5
2013	10	251,201	225	40,048	132,100	42,742	32.4
2014	10	255,184	223	38,391	129,420	41,420	32.0
2015	10	256,526	214	36,118	126,126	41,206	32.7
2016	10	258,172	216	34,721	133,846	41,140	30.7
2017	10	262,240	217	32,988	135,502	40,642	30.0

Year	Prices at 3.5 percent butterfat content per hundredweight ⁴		Receipts as percentage of milk sold to plants and dealers		Daily deliveries of milk per producer	Gross value of receipts of producer milk ⁵	
	Class I	Blend	Fluid grade	All milk		Per producer	All producer
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	20.78	18.24	61	62	6,613	453,886	21,772,538
2009	14.40	12.44	66	66	7,242	339,698	15,856,077
2010	18.25	16.07	67	66	7,572	444,038	20,389,201
2011	21.97	19.87	66	65	7,963	577,538	25,211,996
2012	20.39	18.05	62	61	8,229	542,121	22,091,337
2013	21.80	19.44	67	66	9,047	641,295	25,682,588
2014	26.14	23.54	63	63	9,236	793,728	30,472,016
2015	19.21	16.70	61	61	9,559	583,173	21,063,042
2016	17.70	15.38	64	64	10,516	592,884	20,585,571
2017	19.31	16.96	64	63	11,243	696,459	22,974,898

¹ Over this period, handler selected periodically not to pool substantial volumes of milk that normally would have been pooled under Federal orders. This decision resulted from disadvantageous blend/class price relationships and qualification circumstances. This fact should be kept in mind if year-to-year comparisons are made using the various "producer deliveries" measures of growth. ² End of year. ³ Average for year. ⁴ Prices are weighted averages. ⁵ Based on blend (uniform) price adjusted for butterfat content, and in later years, other milk components of producer milk. AMS, Dairy Programs, (202) 720-7461.

Table 8-15.—Milk production: Marketings, income and value, United States, 2008–2017

Year	Combined marketings of milk and cream				Used for milk, cream, and butter on farms where produced		Gross farm income from dairy products ³	Farm value of all milk produced ^{2,4}
	Milk utilized	Average returns ¹		Cash receipts from marketings	Milk utilized	Value ²		
		Per 100 pounds milk	Per pound milkfat				1,000 dollars	1,000 dollars
2008	188,911	18.45	5.01	34,846,236	124	23,743	34,869,979	35,048,242
2009	188,189	12.93	3.52	24,321,032	112	15,224	24,336,256	24,455,900
2010	191,897	16.35	4.47	31,372,346	107	18,269	31,390,615	31,535,575
2011	195,290	20.24	5.46	39,531,306	98	20,561	39,551,867	39,730,346
2012	199,687	18.56	4.99	37,064,731	98	18,779	37,083,510	37,247,542
2013	200,254	20.11	5.35	40,276,790	100	20,629	40,297,419	40,476,608
2014	205,091	24.07	6.44	49,352,950	92	22,699	49,375,649	49,589,494
2015	207,626	17.21	4.59	35,732,794	91	16,291	35,749,085	35,904,346
2016	211,412	16.34	4.31	34,538,700	95	15,956	34,554,656	34,704,326
2017	214,487	17.69	4.61	37,937,689	92	16,789	37,954,478	38,114,004

¹ Cash receipts divided by milk or milkfat represented in combined marketings. ² Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. ³ Cash receipts from marketings of milk and cream plus value of milk used for home consumption. ⁴ Includes value of milk fed to calves. NASS, Livestock Branch, (202) 720-3570.

Table 8-16.—Official Dairy Herd Information test plans: Numbers of herds and cows and milk, fat, and protein production, United States, 2008–2017

Year	Herds	Cows	Cows per herd	Average production			Cows with protein information	Average protein production	Average protein production
				Milk	Fat	Fat			
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>
2008 ...	16,602	3,804,216	229.1	22,437	3.69	830	96	3.10	696
2009 ...	15,331	3,665,911	239.1	22,501	3.68	831	98	3.09	698
2010 ...	15,067	3,746,177	248.6	22,765	3.66	836	98	3.09	706
2011 ...	14,490	3,800,410	262.3	22,961	3.71	855	98	3.11	714
2012 ...	13,894	3,762,925	270.8	23,328	3.72	871	98	3.12	728
2013 ...	13,329	3,712,080	278.5	23,695	3.77	894	98	3.13	742
2014 ...	13,043	3,829,273	293.6	24,101	3.76	907	98	3.14	757
2015 ...	12,440	3,822,370	307.3	24,403	3.75	917	98	3.13	764
2016 ...	11,745	3,836,074	326.6	24,651	3.79	934	98	3.13	773
2017 ...	10,932	3,809,695	348.5	24,776	3.84	951	99	3.16	783

Council on Dairy Cattle Breeding, (240) 334-4164, <https://www.uscdcb.com>.

Table 8-17.—Milk and milkfat production: Number of producing cows, production per cow, and total quantity produced, United States, 2008–2017

Year	Number of milk cows ¹	Production of milk and milkfat ²				
		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>
2008	9,314	20,397	751	3.68	189,978	6,998
2009	9,202	20,561	755	3.67	189,202	6,944
2010	9,123	21,142	774	3.66	192,877	7,054
2011	9,199	21,334	791	3.71	196,255	7,284
2012	9,237	21,722	808	3.72	200,642	7,463
2013	9,224	21,816	820	3.76	201,231	7,557
2014	9,257	22,259	832	3.74	206,054	7,698
2015	9,314	22,396	840	3.75	208,597	7,813
2016	9,325	22,778	863	3.79	212,405	8,052
2017	9,392	22,941	881	3.84	215,466	8,269

¹ Average number during year, excluding heifers not yet fresh. ² Excludes milk sucked by calves. NASS, Livestock Branch, (202) 720-3570.

Table 8-18.—Milk: Quantities used and marketed by farmers, United States, 2008–2017

Year	Milk used on farms where produced			Milk marketed by producers	
	Fed to calves ¹	Consumed as fluid milk or cream	Total	Total ²	Fluid grade ³
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>
2008	944	124	1,068	188,911	99
2009	901	112	1,013	188,189	98
2010	873	107	980	191,897	98
2011	867	98	965	195,290	99
2012	858	98	956	199,687	99
2013	877	100	977	200,254	99
2014	872	92	964	205,091	99
2015	879	91	970	207,626	99
2016	898	95	993	211,412	99
2017	887	92	979	214,487	99

¹ Excludes milk sucked by calves. ² Milk sold to plants and dealers as whole milk and equivalent amounts of milk for cream. Includes milk produced by dealers' own herds and small amounts sold directly to consumers. Also includes milk produced by institutional herds. ³ Percentage of milk sold that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufacturing dairy products. NASS, Livestock Branch, (202) 720-3570.

Table 8-19.—Milk markets under Federal order program: Whole milk and fat-reduced milk products sold for fluid consumption within defined marketing areas, 2015–2017 ¹

Federal milk order marketing area	Whole milk products ²		Fat-reduced milk products ³		Total fluid milk products	
	Quantity	Butterfat content	Quantity	Butterfat content	Quantity	Butterfat content
	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Percent</i>
2015						
Northeast	3,051	3.28	5,335	1.13	8,386	1.91
Appalachian	1,046	3.29	2,151	1.29	3,197	1.94
Southeast	1,583	3.31	2,844	1.30	4,428	2.02
Florida	1,046	3.31	1,663	1.23	2,709	2.03
Mideast	1,315	3.28	4,083	1.31	5,399	1.79
Upper Midwest	648	3.29	3,079	1.17	3,726	1.54
Central	1,038	3.30	3,079	1.26	4,117	1.77
Southwest	1,580	3.32	2,819	1.31	4,400	2.03
Arizona	326	3.30	747	1.28	1,073	1.90
Pacific Northwest	521	3.33	1,451	1.33	1,972	1.86
Combined areas	12,155	3.30	27,252	1.25	39,406	1.88
2016						
Northeast	3,189	3.28	5,063	1.16	8,252	1.98
Appalachian	1,120	3.29	2,072	1.32	3,192	2.01
Southeast	1,654	3.30	2,759	1.31	4,413	2.06
Florida	1,111	3.29	1,642	1.25	2,753	2.08
Mideast	1,409	3.28	3,960	1.33	5,368	1.84
Upper Midwest	696	3.29	3,017	1.20	3,713	1.59
Central	1,116	3.30	3,019	1.29	4,134	1.83
Southwest	1,682	3.32	2,759	1.32	4,441	2.08
Arizona	339	3.29	709	1.30	1,048	1.94
Pacific Northwest	571	3.33	1,392	1.34	1,964	1.92
Combined areas	12,886	3.29	26,392	1.27	39,278	1.93
2017						
Northeast	3,249	3.27	4,782	1.18	8,031	2.03
Appalachian	1,157	3.29	2,005	1.34	3,162	2.05
Southeast	1,692	3.30	2,651	1.33	4,343	2.10
Florida	1,152	3.23	1,579	1.31	2,731	2.12
Mideast	1,468	3.30	3,787	1.35	5,255	1.89
Upper Midwest	698	3.29	2,864	1.23	3,562	1.64
Central	1,164	3.30	2,918	1.30	4,082	1.87
Southwest	1,735	3.32	2,650	1.33	4,385	2.12
Arizona	346	3.29	671	1.31	1,017	1.99
Pacific Northwest	596	3.33	1,307	1.36	1,903	1.98
Combined areas	13,256	3.29	25,214	1.29	38,471	1.98

¹In-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, by exempt handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handlers' in-area sales are partially estimated. ²Plain, organic, flavored, and miscellaneous whole milk products, and eggnog. ³Plain, fortified, organic, and flavored reduced fat milk (2%), low fat milk (1%), and fat-free milk (skim), and miscellaneous fat-reduced milk products, and buttermilk.

AMS, Dairy Programs, (202) 720-7461.

Table 8-20.—Milk markets under Federal order program: Uniform and Class I milk prices at 3.5 percent fat test, number of producers, producer milk receipts, producer milk used in Class I, Class I percentage, daily milk deliveries per producer, average fat test of producer milk receipts, by markets, 2016–2017

Federal milk order marketing area	Class I \$ / cwt ¹	Uniform \$ / cwt ^{1 2}	Average number of producers	Receipts of producer milk	Producer milk used in Class I	Class I utilization	Daily milk deliveries per producer	Average fat test of producer milk
	<i>Dollars</i>	<i>Dollars</i>	<i>Number</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Pounds</i>	<i>Percent</i>
2016								
Northeast ³	18.09	15.89	11,461	27,007	8,828	32.7	6,440	3.81
Appalachian ⁴	18.24	17.08	2,122	5,595	3,892	69.6	7,218	3.71
Florida ⁵	20.22	19.23	161	2,714	2,276	83.8	46,531	3.62
Southeast ⁶	18.64	17.51	1,779	5,390	3,839	71.2	8,286	3.69
Upper Midwest ^{7 8}	16.64	14.69	9,974	32,818	3,421	10.4	8,929	3.82
Central ^{8 9}	16.85	14.79	2,842	15,088	4,866	32.2	14,498	3.76
Midwest ^{8 10}	16.86	14.98	5,329	19,655	6,427	32.7	10,075	3.73
Pacific Northwest ¹¹	16.74	14.62	492	7,883	1,944	24.7	43,707	3.95
Southwest ^{8 12}	17.84	15.58	470	12,717	4,353	34.2	73,366	3.75
Arizona ¹³	17.18	14.91	91	4,979	1,296	26.0	149,692	3.54
All markets combined	17.70	15.38	34,721	133,846	41,140	30.7	10,516	3.77
2017								
Northeast ³	19.71	17.43	11,171	27,397	8,799	32.1	6,722	3.85
Appalachian ⁴	19.87	18.79	1,991	5,801	4,002	69.0	8,002	3.76
Florida ⁵	21.87	20.92	143	2,602	2,169	83.3	49,877	3.69
Southeast ⁶	20.27	19.13	1,672	5,451	3,767	69.1	8,936	3.74
Upper Midwest ^{7 8}	18.26	16.28	9,435	32,312	3,244	10.0	9,342	3.84
Central ^{8 9}	18.46	16.35	2,565	15,879	4,839	30.5	16,967	3.82
Midwest ^{8 10}	18.46	16.56	4,968	20,241	6,430	31.8	11,160	3.78
Pacific Northwest ^{8 11}	18.36	16.18	468	7,661	1,891	24.7	44,855	3.99
Southwest ^{8 12}	19.46	17.16	487	13,092	4,217	32.2	73,541	3.86
Arizona ¹³	18.81	16.39	89	5,065	1,284	25.4	155,410	3.62
All markets combined	19.31	16.96	32,988	135,502	40,642	30.0	11,243	3.82

¹Prices are for milk of 3.5 percent butterfat content and for the principal pricing point of the market. See footnotes 3-13. ²For those orders that use the component pricing system for paying producers (orders 1, 30, 32, 33, 124, and 126), the figures are the statistical uniform price (the sum of the producer price differential and the Class III price). For those orders that use the skim milk/butterfat pricing system for paying producers (orders 5, 6, 7, and 131), the figures are the uniform price (the sum of the uniform butterfat price times 3.5 and the uniform skim milk price times 0.965). ³Suffolk Co. (Boston), MA. ⁴Mecklenburg Co. (Charlotte), NC. ⁵Hillsborough Co. (Tampa), FL. ⁶Fulton Co. (Atlanta), GA. ⁷Cook Co. (Chicago), IL. ⁸Due to the disadvantageous intraorder class and uniform price relationships in some months in these markets, handlers elected not to pool milk that normally would have been pooled under these orders. ⁹Jackson Co. (Kansas City), MO. ¹⁰Cuyahoga Co. (Cleveland), OH. ¹¹King Co. (Seattle), WA. ¹²Dallas Co. (Dallas), TX. ¹³Maricopa Co. (Phoenix), AZ.
AMS, Dairy Programs, (202) 720-7461.

Table 8-21.—Dairy products: Quantities manufactured, United States, 2013–2017

Product	2013	2014	2015	2016	2017
	<i>1,000 pounds</i>				
Butter	1,862,516	1,855,315	1,849,519	1,839,399	1,847,473
Cheese:					
American types	4,419,848	4,588,023	4,694,471	4,768,888	5,071,991
Cheddar	3,189,839	3,317,038	3,393,111	3,434,498	3,721,334
Other American	1,230,009	1,270,985	1,301,360	1,334,390	1,350,657
Blue and Gorgonzola	92,401	92,845	94,489	90,872	91,299
Brick	9,312	2,942	3,449	2,845	2,421
Cream and Neufchatel	842,264	851,713	876,286	908,972	942,920
Feta	103,609	105,622	112,424	126,849	127,663
Gouda	47,730	55,911	58,364	58,601	65,403
Hispanic	241,420	249,579	254,291	264,941	286,943
Italian types	4,735,476	4,950,235	5,081,826	5,304,355	5,383,864
Mozzarella	3,699,989	3,924,925	3,988,936	4,117,746	4,160,599
Parmesan	319,741	301,848	339,003	407,319	450,642
Provolone	360,069	361,088	379,316	401,589	396,073
Ricotta	241,117	245,284	243,464	252,231	239,002
Romano	45,052	45,021	55,034	52,448	58,300
Other Italian types	69,508	72,069	76,073	73,022	79,248
Muenster cheese	163,220	163,650	177,540	181,354	187,818
Swiss cheese	294,495	297,802	312,015	311,977	316,653
All other types	151,894	153,783	166,240	161,889	182,116
Total cheese ¹	11,101,669	11,512,105	11,831,395	12,181,543	12,659,091
Cottage cheese:					
Curd ²	389,396	381,146	400,634	406,428	390,400
Creamed ³	307,391	303,113	317,531	329,444	330,484
Lowfat ⁴	370,323	364,614	363,004	367,815	344,421
Sour cream	1,281,366	1,302,900	1,325,629	1,374,059	1,387,149
Yogurt plain & flavored	4,715,076	4,756,562	4,645,594	4,458,399	4,478,308
Bulk condensed milk:					
Skim, sweetened	38,190	43,593	52,935	77,158	90,157
Skim, unsweetened	1,623,159	1,661,446	1,672,557	1,651,169	1,570,656
Whole, sweetened	89,681	88,607	99,867	116,563	142,602
Whole, unsweetened	75,645	65,596	173,701	97,204	61,741
Condensed or evaporated buttermilk	94,499	109,044	105,676	105,968	113,035
Canned milk:					
Evaporated and condensed whole ⁵ ...	495,844	315,290	452,780	456,695	379,193
Evaporated skim	20,387	27,856	43,940	16,897	9,156
Dry milk products:					
Dry buttermilk, total	119,273	111,097	98,364	109,641	112,904
Dry skim milk animal	10,350	11,303	9,953	9,287	11,862
Dry whole milk	72,053	103,122	108,522	98,174	122,397
Milk protein concentrate, total	101,747	126,017	157,309	125,685	139,047
Nonfat dry milk, human	1,477,864	1,764,632	1,822,348	1,752,634	1,835,152
Skim milk powder, total ⁶	630,689	543,504	446,324	559,175	529,633
Dry whey, total	952,980	869,701	977,568	955,141	1,036,904
	<i>1,000 gallons</i>				
Ice cream, regular, total	897,363	865,753	896,688	906,680	901,733
Ice cream, lowfat, total ⁷	400,925	411,701	438,991	435,868	459,814
Ice cream, nonfat, total	14,225	18,303	13,575	12,438	11,285
Sherbet, total	46,096	48,353	44,743	44,262	43,576
Frozen yogurt, total	74,483	66,456	74,229	66,814	62,544

¹Excluding cottage cheese. ²Mostly used for processing into creamed or lowfat cottage cheese. ³Fat content 4 percent or more. ⁴Fat content less than 4 percent. ⁵Combined to avoid disclosing individual plant operations. ⁶Includes protein standardized and blends. ⁷Includes freezer-made milkshake.
NASS, Livestock Branch, (202) 720-3570.

Table 8-22.—Dairy Products: Factory production of specified items, by State and United States, 2016–2017

State	Butter		Total American cheese ¹		Total cheese ²	
	2016	2017	2016	2017	2016	2017
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
California	563,065	534,378	649,604	632,677	2,514,861	2,513,096
Idaho			604,710	605,555	954,987	958,687
Illinois					81,511	82,389
Iowa			162,831	155,111	254,212	256,737
Minnesota					657,379	712,988
New Jersey					58,082	57,727
New Mexico					776,114	765,786
New York	27,462	27,581	129,428	132,273	826,412	860,713
Ohio					215,222	222,044
Oregon			200,137	205,733	201,478	206,679
Pennsylvania	95,604	92,329			403,618	411,549
South Dakota					275,634	282,304
Vermont					131,936	142,940
Wisconsin			963,413	1,016,569	3,248,440	3,365,897
Other States ³	1,153,268	1,193,185	2,058,765	2,324,073	1,581,657	1,819,555
United States	1,839,399	1,847,473	4,768,888	5,071,991	12,181,543	12,659,091

State	Ice cream, regular (hard)		Nonfat dry milk for human food	
	2016	2017	2016	2017
	1,000 Gallons	1,000 Gallons	1,000 Pounds	1,000 Pounds
California	118,087	105,820	567,197	562,017
Connecticut	13,349	12,250		
Missouri	29,862	32,404		
New Jersey	1,837	1,353		
New York	37,223	38,436		
Ohio	24,766	26,150		
Oregon	13,238	12,104		
Pennsylvania	40,787	41,074	184,407	183,766
Tennessee	27,034	25,711		
Utah	27,736	26,283		
Other States ³	447,244	441,077	1,001,030	1,089,369
United States	781,163	762,662	1,752,634	1,835,152

¹ Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack. ² Excluding cottage cheese. ³ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. NASS, Livestock Branch, (202) 720-3570.

Table 8-23.—Dairy products: Average price per pound for specified products, 2013–2017

Item and market	2013	2014	2015	2016	2017
	Dollars	Dollars	Dollars	Dollars	Dollars
Butter, Chicago Mercantile Exchange:					
Grade AA:					
High ¹	1.7875	3.0600	3.1350	2.3675	2.7375
Low ¹	1.3600	1.5325	1.5400	1.7550	2.0625
Butter, Agricultural Marketing Service, Grade AA: ²	1.5451	2.1361	2.0670	2.0777	2.3303
Cheese, Cheddar, Chicago Mercantile Exchange, Barrels:					
High ¹	1.9700	2.4900	1.7550	1.8800	1.7600
Low ¹	1.5300	1.4200	1.4100	1.2700	1.3375
Cheese, Cheddar, Chicago Mercantile Exchange, 40-lb blocks:					
High ¹	2.0000	2.4500	1.8000	1.9425	1.8500
Low ¹	1.5500	1.5200	1.4000	1.2700	1.3600
Cheese, Cheddar, Agricultural Marketing Service, Barrels: ²	1.7683 ³	2.1376	1.6241	1.5961	1.5860
Cheese, Cheddar, Agricultural Marketing Service, 40-lb blocks: ²	1.7683 ³	2.1439	1.6389	1.5897	1.6513
Nonfat dry milk, Agricultural Marketing Service:					
Low/medium heat ²	1.7066	1.7682	0.9016	0.8292	0.8666
Dry whey, Agricultural Marketing Service:					
Edible nonhygroscopic ²	0.5902	0.6538	0.3804	0.2875	0.4437

¹ Figures are the high and low prices for any trading day during the year. ² Prices used in Federal milk order price formulas. ³ Average of the cheese price published in the monthly *Announcement of Class and Component Prices* for 2013. The price cannot be broken down separately into blocks and barrels due to pricing constituent used in calculation. Equivalent Prices, computed pursuant to 7 CFR, Section 1000.54. AMS, Dairy Programs, (202) 720-9351.

Table 8-24.—Dairy products: Manufacturers' stocks, end of month, United States, 2016–2017¹

Month	Evaporated and condensed whole milk ²		Dry whole milk		Nonfat dry milk, human	
	2016	2017	2016	2017	2016	2017
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	61,001	43,940	13,065	18,034	227,633	227,052
February	75,930	55,613	11,484	21,660	217,552	263,021
March	84,501	50,777	13,044	22,284	232,111	246,484
April	84,344	63,792	14,471	23,060	252,272	267,375
May	78,752	69,730	15,338	22,961	232,158	280,078
June	84,267	76,890	15,573	21,224	230,843	297,773
July	87,952	79,138	14,011	21,864	257,109	295,906
August	84,863	82,905	12,898	15,948	234,903	312,929
September	80,836	75,947	13,698	20,608	216,093	320,765
October	59,034	61,202	14,087	22,070	223,809	316,826
November	47,856	41,983	12,176	27,878	215,134	316,969
December	41,859	37,191	13,346	31,007	225,506	320,046

¹ Stocks held by manufacturers at all points and in transit. ² Combined to avoid disclosing individual plant operations. NASS, Livestock Branch, (202) 720-3570.

Table 8-25.—Dairy products: Total disappearance, and total and per capita consumption, United States, 2008–2017¹

Year	Butter			Cheese ²			Condensed and evaporated milk ³		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds
2008	1,693	1,516	5.0	10,162	9,799	32.39	787	712	2.3
2009	1,551	1,522	5.0	10,248	9,917	32.48	771	703	2.3
2010	1,618	1,521	4.9	10,605	10,136	32.92	718	607	2.0
2011	1,795	1,676	5.4	10,893	10,301	33.24	711	598	1.9
2012	1,829	1,730	5.5	11,123	10,461	33.51	715	627	2.0
2013	1,915	1,732	5.5	11,364	10,580	33.66	723	594	1.9
2014	1,887	1,753	5.5	11,784	10,887	34.40	537	446	1.4
2015	1,841	1,800	5.6	12,056	11,275	35.35	782	697	2.2
2016	1,881	1,395	5.7	9,841	9,617	36.66	732	678	.....
2017	1,903	1,414	5.7	10,150	9,868	37.23	716	628	.....
Year	Reg hard 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
	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds
2008	3,949	3,893	14.2	86	29	0.1	1,812	930	3.0
2009	3,860	3,804	13.9	97	78	0.3	1,789	1,227	4.0
2010	3,689	3,618	14.0	86	64	0.2	1,864	998	3.2
2011	3,603	3,522	13.2	84	67	0.2	1,926	942	3.0
2012	3,608	3,504	13.2	79	53	0.2	2,132	1,137	3.6
2013	3,565	3,430	13.0	88	54	0.2	2,159	918	2.9
2014	3,455	3,313	12.5	101	63	0.2	2,209	997	3.1
2015	3,494	3,362	12.9	141	105	0.3	2,306	1,057	3.3
2016 .....	.....	4,063	12.9	60	33	0.3	1,592	951	3.0
2017 .....	.....	3,959	12.7	73	50	0.4	1,442	862	2.8

¹ 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 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. ² Includes all kinds of cheese except cottage cheese. ³ The evaporated milk is unskimmed, unsweetened, case goods. The condensed milk is unsweetened, unskimmed, bulk goods; and sweetened condensed milk, unskimmed, case and bulk goods. ERS, Animal Products and Cost of Production Branch, (202) 694-5171.

Table 8-26.—Dairy products: Dec. 31 stocks, United States, 2006–2015

Year	Butter ^{1 2}	Cheese ^{1 3}	Canned milk	Dry whole milk	Nonfat dry milk for human consumption ¹
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2006	109	817	31	2	107
2007	155	798	37	4	166
2008	119	852	42	5	247
2009	133	967	45	7	192
2010	82	1,048	52	8	145
2011	107	992	37	7	165
2012	153	1,023	38	7	183
2013	112	1,009	37	8	135
2014	105	1,018	32	23	240
2015	155	1,146	43	11	204

¹Includes Government holdings. ²Includes anhydrous milkfat and butter oil. ³Excludes cottage cheese. ERS, Animal Products and Cost of Production Branch, (202) 694-5171.

Table 8-27.—International dairy: Butter production, 2015–2017

Country	2015	2016	2017
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Australia	120	110	103
Belarus	113	118	120
Brazil	83	82	84
Canada	91	93	120
European Union	2,335	2,345	2,340
India	5,035	5,200	5,400
Mexico	216	217	223
New Zealand	594	570	525
Russia	260	246	262
Ukraine	103	103	107
Others	115	113	104
Total Foreign	9,065	9,197	9,388
United States	839	834	838
Total	9,904	10,031	10,226

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 8-28.—International dairy: Cheese production, 2015–2017

Country	2015	2016	2017
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	548	475	435
Australia	343	344	348
Belarus	241	275	260
Brazil	754	745	772
Canada	419	445	445
European Union	9,740	9,810	10,050
Mexico	363	375	396
New Zealand	355	360	380
Russia	861	865	925
Ukraine	190	186	187
Others	71	74	75
Total Foreign	13,885	13,954	14,273
United States	5,367	5,525	5,742
Total	19,252	19,479	20,015

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 8-29.—Dairy products: United States imports by country of origin, 2015–2017

Commodity and country of origin	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Licensed cheese items 1:			
Netherlands	6,324	6,440	6,459
New Zealand(*)	6,090	7,782	4,701
United Kingdom	4,519	4,912	3,969
Ireland	1,954	1,514	1,920
Denmark(*)	2,011	1,921	1,693
Australia(*)	1,293	1,748	1,326
Germany(*)	1,018	1,012	1,141
Canada	922	850	946
Jamaica	508	511	474
France(*)	243	273	306
Italy(*)	396	351	279
Dominican Republic	130	219	197
Bahrain	115	115	148
India	102	58	140
Finland	19	74	115
Poland	44	46	3
Lithuania	32	28	27
Spain	60	39	26
Estonia	0	0	17
Philippines	15	3	11
Belgium-Luxembourg(*)	0	0	6
Greece	0	0	3
Portugal	5	3	3
Croatia	1	1	2
Rest of World	172	77	1
World Total	25,971	27,971	23,950
Licensed cheese items 2:			
France(*)	17,889	19,180	18,600
Italy(*)	19,108	21,026	18,328
Switzerland(*)	8,365	8,178	8,152
Netherlands	9,353	8,444	8,034
Germany(*)	7,770	7,660	7,718
Norway(*)	5,967	6,506	6,458
Spain	6,908	5,283	5,945
Denmark(*)	5,124	5,361	5,121
Nicaragua	4,013	4,256	4,736
Ireland	5,549	5,990	4,331
Canada	3,792	4,119	4,078
Finland	4,283	3,123	3,498
Mexico	3,367	3,780	3,387
New Zealand(*)	8,823	9,803	2,701
Lithuania	3,984	2,228	2,118
Poland	1,670	2,087	1,792
Australia(*)	3,842	4,769	1,581
United Kingdom	2,514	2,548	1,534
Austria	1,010	1,250	1,033
Uruguay	1,063	1,239	973
Belgium-Luxembourg(*)	1,159	861	782
Greece	448	526	671
Egypt	627	648	616
Israel(*)	380	437	501
Rest of World	5,951	4,302	4,122
World Total	132,958	133,603	116,808
Licensed dairy, misc :			
Canada	24,414	24,481	28,364
Mexico	20,661	25,749	28,059
Netherlands	3,690	9,460	16,800
Chile	4,998	6,143	9,211
Germany(*)	1,735	7,110	3,930
Ireland	1	1,480	2,256
New Zealand(*)	4,070	4,221	2,051
Denmark(*)	252	255	1,018
Belgium-Luxembourg(*)	815	537	617
Australia(*)	714	888	365
Honduras	312	326	344
Peru	360	406	313
Korea, South	790	1,083	245
United Arab Emirates	255	254	224
Italy(*)	349	248	204
France(*)	1,236	207	195
Colombia	803	911	164
Brazil	103	154	129
Singapore	63	158	104
United Kingdom	503	320	73
Argentina	447	415	69
Greece	41	24	62
Ecuador	125	126	53
India	5	45	39
Rest of World	265	437	169
World Total	67,003	85,437	95,059

See footnote(s) at end of table.

Table 8-29.—Dairy products: United States imports by country of origin, 2015–2017—Continued

Commodity and country of origin	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Non-licensed dairy, misc:			
Chile	11,617	13,940	12,832
Peru	11,135	11,889	11,478
Canada	4,780	5,640	10,201
New Zealand(*)	7,094	13,341	9,628
Mexico	5,814	4,618	5,625
Brazil	258	1,169	3,510
Denmark(*)	2,905	1,920	2,559
France(*)	37	2,863	2,502
Norway(*)	2,074	2,559	1,907
Netherlands	869	2,860	1,150
Australia(*)	112	2,385	956
Germany(*)	801	2,068	890
Israel(*)	209	226	611
Ukraine	202	493	570
Italy(*)	45	295	565
United Kingdom	535	847	430
Argentina	1,074	1,707	252
Colombia	177	95	220
Belgium-Luxembourg(*)	291	257	178
Rest of World	1,471	2,485	886
World Total	51,499	71,656	66,949
Non-licensed cheese:			
Italy(*)	12,636	13,428	17,451
Spain	4,767	5,283	5,321
Lithuania	7,696	11,280	3,855
Greece	3,262	3,290	3,406
France(*)	3,439	3,567	3,160
Bulgaria	2,537	2,678	2,583
Germany(*)	3	67	2,379
United Kingm	480	989	693
Israel(*)	684	630	553
Romania	621	432	486
Cyprus	342	380	461
Norway(*)	235	229	428
El Salvador	183	351	207
Netherlands	221	207	197
Turkey	687	654	191
Macedonia	891	97	140
Portugal	20	25	28
Egypt	74	40	27
Georgia	0	4	16
Rest of Wold	62	119	75
World Total	38,839	43,750	41,656
Casein:			
New Zealand(*)	37,265	32,133	30,658
Netherlands	7,886	9,086	10,664
Ireland	10,226	9,707	7,468
Poland	3,212	3,705	3,888
Denmark(*)	2,410	3,759	3,886
France(*)	1,789	2,995	2,928
Argentina	3,800	874	2,298
Germany(*)	2,726	2,135	2,295
India	2,398	2,486	1,506
Uganda	948	1,446	1,020
Canada	0	5	6
Italy(*)	0	1	4
Mexico	0	0	1
Australia(*)	0	57	0
China	10	0	0
United Kingdom	1	5	0
Ukraine	98	0	0
Uruguay	767	0	0
World Total	73,536	68,393	66,622

See footnote(s) at end of table.

Table 8-29.—Dairy products: United States imports by country of origin, 2015–2017—Continued

Commodity and country of origin	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Lactose:			
Germany(*)	1,661	1,677	2,165
Netherlands	1,147	1,036	1,045
Canada	2,669	893	503
New Zealand(*)	90	76	86
China	33	7	34
Australia(*)	0	0	16
Russia	9	7	12
Switzerland(*)	0	1	8
Poland	0	0	5
Belarus	44	22	5
Ukraine	5	0	4
India	0	0	2
Japan	0	0	1
Taiwan	9	6	1
Italy(*)	0	5	1
Belgium-Luxembourg(*)	0	3	0
South Africa	39	0	0
United Kingdom	7	0	0
Ireland	4	0	-
Rest of World	29	53	0
World Total	5,744	3,786	3,887
Butter:			
Ireland	9,332	13,523	19,573
Mexico	7,332	11,653	6,091
New Zealand(*)	7,849	8,243	5,464
United Kingdom	275	2,652	3,268
France(*)	3,959	1,806	1,970
Chile	746	1,077	1,223
Finland	356	687	969
Canada	440	661	815
India	165	174	498
Malaysia	163	298	219
Netherlands	17	75	170
Australia(*)	1,781	1,906	158
Germany(*)	193	129	137
Poland	152	119	129
Honduras	0	163	120
Denmark(*)	159	184	109
Argentina	153	42	96
Colombia	93	0	73
China	0	0	72
Rest of World	1,056	699	281
World Total	34,221	44,123	41,435

(*) Denotes a country that is a summarization of its component countries. Note: All zeroes for a data item may show that statistics exist in the other import type. Consumption or General. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 8-30.—Dairy products: United States exports by country of destination, 2015–2017

Commodity and country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Condensed & evap milk:			
Mexico	9,613	6,835	6,798
Vietnam	1,005	1,918	1,732
Dominican Republic	883	1,642	1,198
Canada	1,120	1,053	1,153
Bahamas, The	731	614	769
Trinidad and Tobago	512	526	556
China	2,467	468	530
Hong Kong	482	388	527
El Salvador	89	95	496
Korea, South	334	374	415
Netherlands Antilles(*)	120	156	298
Chile	45	9	283
Thailand	0	0	229
Jamaica	22	120	177
Cayman Islands	90	167	170
Malaysia	174	155	155
Bermuda	171	137	153
Costa Rica	98	179	150
Philippines	253	40	131
Rest of World	2,431	2,255	1,148
World Total	20,640	17,130	17,068
Non-fat dry milk:			
Mexico	251,644	272,856	276,290
Philippines	63,998	82,048	73,449
China	28,908	18,296	34,774
Indonesia	37,192	53,860	32,102
Malaysia	24,298	25,485	27,707
Pakistan	23,407	22,601	23,224
Vietnam	33,267	27,869	21,800
Peru	17,082	10,033	15,702
Japan	3,874	3,609	12,596
Chile	6,670	7,394	11,119
Colombia	7,137	11,669	8,874
Korea, South	5,733	6,179	8,821
Dominican Republic	5,358	5,719	5,971
Thailand	8,349	4,666	5,093
Egypt	7,536	6,410	4,709
Sri Lanka	3,527	5,928	4,578
Singapore	3,010	2,226	3,657
Canada	2,854	3,799	3,484
Brazil	3,393	5,877	2,787
Rest of World	20,791	16,391	29,435
World Total	558,030	592,916	606,169

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2015–2017—Continued

Commodity and country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Dry whole milk & cream:			
China	1,206	2,300	9,272
Mexico	5,096	11,734	5,787
Vietnam	14,077	543	4,715
Canada	1,336	2,761	2,375
Colombia	3,044	10,665	1,733
Australia(*)	66	150	435
Malaysia	454	396	423
Korea, South	68	256	289
Panama	244	344	264
Dominican Republic	697	17	248
Chile	774	89	223
Trinidad and Tobago	71	123	196
Hong Kong	1,395	543	183
Sweden	2	73	160
Morocco	0	0	136
Taiwan	748	71	120
Peru	156	38	117
El Salvador	463	574	116
Algeria	0	0	98
Rest of World	3,912	1,818	445
World Total	33,807	32,494	27,333
Butter and milkfat:			
Canada	3,683	8,888	11,117
Mexico	5,131	9,410	4,266
Saudi Arabia	7,511	1,830	1,821
Korea, South	1,433	706	1,710
Egypt	320	309	1,335
Peru	315	121	1,256
Morocco	19	96	639
Taiwan	432	495	638
United Arab Emirates	183	221	598
Denmark(*)	0	1	437
Belgium-Luxembourg(*)	0	0	431
Bahrain	135	95	415
China	111	388	392
Dominican Republic	163	223	380
Panama	313	201	345
Belize	329	270	317
Jamaica	157	132	259
Netherlands	0	0	256
Japan	190	15	210
Rest of World	2,791	1,648	2,205
World Total	23,215	25,049	29,026

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2015–2017—Continued

Commodity and country of destination	2015	2016	2017
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Ice cream:			
Mexico	17,215	16,325	18,023
Saudi Arabia	6,210	6,435	6,081
Australia(*)	4,266	4,180	5,170
Canada	3,415	2,599	3,882
United Arab Emirates	4,625	4,084	3,796
Malaysia	1,624	1,763	1,762
Trinidad and Tobago	1,495	1,252	1,666
Korea, South	1,082	1,165	1,444
Japan	746	714	1,391
Bahamas, The	996	1,384	1,349
Chile	1,420	901	1,274
Kuwait	1,226	755	1,042
Qatar	937	799	950
France(*)	400	631	819
Philippines	900	1,224	804
Singapore	651	777	797
United Kingdom	303	449	786
Brazil	933	1,076	782
Indonesia	523	382	746
Rest of World	10,725	10,910	10,877
World Total	59,690	57,804	63,439
Cheese and curd:			
Mexico	91,055	89,982	96,413
Korea, South	56,507	42,464	52,312
Japan	34,673	27,799	32,380
Australia(*)	17,275	15,576	30,109
China	12,293	9,906	14,314
Canada	13,118	13,289	11,783
Chile	8,253	8,652	9,002
Saudi Arabia	10,377	6,706	8,175
Taiwan	7,868	7,388	8,025
Philippines	5,612	4,552	6,789
Dominican Republic	4,864	6,306	6,482
Guatemala	4,278	5,661	6,252
Panama	5,084	5,186	5,908
Indonesia	2,827	2,487	5,282
United Arab Emirates	2,821	2,479	4,546
Honduras	3,091	2,605	3,773
Colombia	2,706	2,632	3,248
Peru	2,525	2,908	2,819
New Zealand(*)	1,556	1,846	2,435
Rest of World	30,107	28,237	31,039
World Total	316,889	286,659	341,085

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2015–2017—Continued

Commodity and country of destination	2015	2016	2017
	<i>Liters</i>	<i>Liters</i>	<i>Liters</i>
Fluid milk and cream:			
Mexico	28,227,128	36,624,368	38,284,376
Taiwan	16,612,884	22,335,069	28,782,314
Canada	31,179,843	39,569,899	23,522,770
Dominican Republic	16,784,802	7,586,008	2,583,884
Peru	103,483	517,470	2,530,432
Hong Kong	3,545,092	2,032,424	1,916,908
Bahamas, The	1,312,995	1,289,063	1,199,719
Vietnam	747,807	2,229,860	949,490
Turks and Caicos Islands	625,512	725,809	759,379
Chile	131,870	523,128	596,013
Colombia	1,845	73,889	576,827
Singapore	360,977	438,289	564,711
United Arab Emirates	32,026	70,252	452,025
Leeward-Windward Islands(*)	322,066	391,783	370,466
Korea, South	79,966	124,097	339,658
Philippines	1,053,446	698,861	329,344
Panama	63,095	75,499	210,997
Cayman Islands	801,402	611,407	185,856
Algeria	0	0	183,466
Rest of World	3,194,038	1,950,735	1,656,866
World Total	105,180,277	117,867,910	105,995,501
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Whey:			
China	154,450	207,657	243,713
Mexico	51,945	48,862	56,897
Canada	39,562	37,694	37,156
Philippines	28,413	26,117	32,484
Japan	22,570	18,844	23,403
New Zealand(*)	13,344	18,448	23,064
Indonesia	19,778	20,180	14,555
Vietnam	13,892	23,208	11,537
Thailand	8,445	10,379	10,468
Korea, South	14,971	12,104	9,985
Singapore	4,300	2,839	7,882
Malaysia	13,679	13,698	7,180
Taiwan	5,596	5,979	6,661
Australia(*)	4,340	5,304	6,155
Colombia	4,293	3,606	4,890
Egypt	4,349	4,962	4,424
Chile	1,600	1,729	3,540
Peru	2,880	2,444	3,019
Guatemala	2,415	2,084	2,921
Rest of World	23,793	24,426	26,707
World Total	434,614	490,563	536,643

(*) Denotes a country that is a summarization of its component countries. Note: Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 8-31.—Chickens: Layers, pullets, and other chickens, by State and United States, December 1, 2016 and 2017

State	Total layers		Total pullets		Other Chickens	
	2016	2017	2016	2017	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Alabama	8,922	9,350	5,151	5,799	837	973
Arkansas	13,853	13,834	7,597	8,361	1,090	1,009
California	11,970	14,491	3,398	3,227	54	54
Colorado	4,657	4,517	1,434	1,253	64	36
Florida	8,283	7,337	1,842	2,073	22	20
Georgia	19,477	19,857	8,623	8,407	954	1,101
Illinois	5,032	5,236	324	198	24	22
Indiana	32,047	32,846	10,027	9,109	67	72
Iowa	55,237	55,479	10,431	12,139	80	107
Kentucky	4,651	5,281	2,158	2,529	185	214
Louisiana	2,049	1,965	637	731	128	75
Maryland	2,695	2,801	1,156	1,390	8	9
Massachusetts	123	142	7	7	-	-
Michigan	14,193	14,676	3,937	3,637	3	4
Minnesota	10,908	10,710	2,129	3,420	36	33
Mississippi	5,436	5,666	3,720	3,529	656	501
Missouri	11,419	9,986	3,866	4,435	179	191
Montana	412	941	126	323	-	-
Nebraska	9,084	7,679	1,576	1,818	-	52
New York	5,559	5,483	1,431	1,114	9	6
North Carolina	15,227	15,162	7,119	7,315	997	894
Ohio	31,917	32,045	8,374	7,528	40	51
Oklahoma	2,739	2,770	1,090	1,086	141	232
Oregon	2,518	2,350	449	551	-	-
Pennsylvania	28,175	28,764	5,115	4,746	114	165
South Carolina	3,947	4,023	1,251	1,401	145	156
South Dakota	2,871	2,769	710	881	-	-
Tennessee	1,671	1,775	901	901	161	170
Texas	21,109	22,157	6,847	6,530	424	404
Utah	5,252	5,022	1,370	1,177	-	-
Vermont	150	160	22	18	2	-
Virginia	2,670	2,530	1,298	1,008	150	151
Washington	6,890	6,770	1,553	1,727	1	-
West Virginia	1,312	1,184	715	765	109	99
Wisconsin	5,615	6,836	952	1,656	36	22
Other States ¹	19,229	19,672	4,725	4,622	43	36
United States	377,299	382,266	112,061	115,411	6,759	6,859

- Represents zero. ¹ Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, New Hampshire, New Jersey, New Mexico, Nevada, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing individual operations. NASS, Livestock Branch, (202) 720-3570.

Table 8-32.—Chickens: Inventory number and value, United States, Dec. 1, 2008–2017¹

Year	Total layers	Total pullets	Other chickens	All chickens	Value per head	Total value
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	340,811	101,016	7,589	449,416	3.38	1,518,547
2009	342,058	104,069	8,487	454,614	3.32	1,510,038
2010	342,782	107,025	7,390	457,197	3.58	1,637,016
2011	343,283	104,159	6,922	454,364	3.79	1,721,671
2012	354,977	105,140	6,827	466,944	4.04	1,885,904
2013	361,403	106,646	6,853	474,902	4.15	1,971,590
2014	366,045	106,602	6,403	479,050	4.10	1,962,126
2015	351,656	118,114	7,211	476,981	4.37	2,085,151
2016	377,299	112,061	6,759	496,119	4.22	2,092,307
2017	382,266	115,411	6,859	504,536	4.21	2,125,633

¹ Excludes commercial broilers. NASS Livestock Branch, (202) 720-3570.

Table 8-33.—Chicken inventory: Number, value per head, and total value, by State and United States, December 1, 2016 and 2017¹

State	Number		Value per bird		Total value	
	2016	2017	2016	2017	2016	2017
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
Alabama	14,910	16,122	7.90	7.40	117,789	119,303
Arkansas	22,540	23,204	7.90	8.00	178,066	185,632
California	15,422	17,772	4.20	3.70	64,772	65,756
Colorado	6,155	5,806	2.50	2.50	15,388	14,515
Florida	10,147	9,430	2.40	2.30	24,353	21,689
Georgia	29,054	29,365	6.40	6.20	185,946	182,063
Illinois	5,380	5,456	3.70	2.70	19,906	14,731
Indiana	42,141	42,027	2.30	1.90	96,924	79,851
Iowa	65,748	67,725	2.30	2.30	151,220	155,768
Kentucky	6,994	8,024	4.90	4.90	34,271	39,318
Louisiana	2,814	2,771	5.50	5.30	15,477	14,686
Maryland	3,859	4,200	3.60	3.90	13,892	16,380
Massachusetts	130	149	7.90	7.60	1,027	1,132
Michigan	18,133	18,317	3.20	2.20	58,026	40,297
Minnesota	13,073	14,163	2.40	2.30	31,375	32,575
Mississippi	9,812	9,696	8.60	8.80	84,383	85,325
Missouri	15,464	14,612	5.10	4.20	78,866	61,370
Montana	538	1,264	5.70	5.60	3,067	7,078
Nebraska	10,660	9,549	3.90	3.70	41,574	35,331
New York	6,999	6,603	2.80	2.40	19,597	15,847
North Carolina	23,343	23,371	7.90	7.80	184,410	182,294
Ohio	40,331	39,624	3.40	4.40	137,125	174,346
Oklahoma	3,970	4,088	6.80	7.20	26,996	29,434
Oregon	2,967	2,901	3.60	5.00	10,681	14,505
Pennsylvania	33,404	33,675	3.50	4.20	116,914	141,435
South Carolina	5,343	5,580	3.90	4.70	20,838	26,226
South Dakota	3,581	3,650	3.40	3.50	12,175	12,775
Tennessee	2,733	2,846	8.90	9.70	24,324	27,606
Texas	28,380	29,091	4.80	4.40	136,224	128,000
Utah	6,622	6,199	2.40	2.20	15,893	13,638
Vermont	174	178	5.30	8.60	922	1,531
Virginia	4,118	3,689	6.30	7.50	25,943	27,668
Washington	8,444	8,497	3.40	3.90	28,710	33,138
West Virginia	2,136	2,048	7.30	7.70	15,593	15,770
Wisconsin	6,603	8,514	2.40	2.40	15,847	20,434
Other States ²	23,997	24,330	3.49	3.62	83,793	88,186
United States	496,119	504,536	4.22	4.21	2,092,307	2,125,633

Totals may not add due to rounding. ¹ Excludes commercial broilers. ² Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, New Hampshire, New Jersey, New Mexico, Nevada, North Dakota, Rhode Island and Wyoming combined to avoid disclosing data for individual operations.

NASS, Livestock Branch, (202) 720-3570.

Table 8-34.—Chickens: Lost, sold for slaughter, and value of sales, by State and United States, 2016 and 2017¹

State	Number lost ²		Number sold		Pounds sold		Value of sales	
	2016	2017	2016	2017	2016	2017	2016	2017
	<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 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Alabama	2,891.0	3,195.9	11,430.5	11,002.1	88,586.4	87,466.7	11,959.2	6,472.5
Arkansas	3,849.1	3,459.4	16,425.5	16,212.6	120,234.7	121,594.5	15,510.3	8,633.2
California	4,361.3	5,975.7	5,606.4	3,012.6	19,454.2	11,056.2	214.0	132.7
Colorado	1,907.0	2,305.5	2,369.0	1,544.4	10,992.2	7,845.6	747.5	345.2
Florida	6,416.6	5,375.3	424.9	380.5	3,144.3	2,891.8	408.8	214.0
Georgia	6,084.4	5,962.2	17,221.7	15,057.3	114,352.1	105,250.5	13,493.5	7,051.8
Illinois	1,414.8	1,197.6	3,356.4	1,850.6	11,948.8	7,087.8	215.1	113.4
Indiana	11,589.8	13,929.7	15,668.4	10,536.6	53,429.2	36,878.1	374.0	221.3
Iowa	17,710.6	27,429.4	8,507.0	6,288.4	28,583.5	21,757.9	142.9	108.8
Kentucky	955.0	965.4	4,956.6	4,414.8	28,450.9	25,826.6	2,845.1	1,420.5
Louisiana	324.2	314.7	1,885.3	1,874.6	11,971.7	11,941.2	1,352.8	728.4
Maryland	255.9	277.4	1,571.5	1,497.9	5,688.8	5,527.3	113.8	66.3
Massachusetts	9.3	9.2	107.8	75.4	357.9	254.1	(Z)	(Z)
Michigan	1,045.9	1,069.2	10,234.7	9,751.6	33,876.9	32,960.4	33.9	33.0
Minnesota	2,228.3	3,941.0	4,872.9	4,101.5	17,688.6	15,872.8	371.5	254.0
Mississippi	1,460.3	1,399.6	6,145.4	5,524.6	44,922.9	40,550.6	5,750.1	2,798.0
Missouri	1,432.4	3,143.1	8,183.4	8,568.0	37,889.1	41,040.7	2,576.5	1,600.6
Montana	296.6	322.7	51.6	52.4	170.8	176.6	(Z)	(Z)
Nebraska	889.0	792.0	3,706.3	5,815.2	12,342.0	19,888.0	12.3	59.7
New York	837.7	504.1	3,899.3	3,871.9	13,023.7	13,087.0	26.0	13.1
North Carolina	3,946.2	4,039.8	15,106.5	14,957.6	104,083.8	103,207.4	12,698.2	6,811.7
Ohio	12,337.0	10,650.6	12,061.9	12,209.0	41,492.9	43,952.4	373.4	395.6
Oklahoma	677.8	726.4	2,637.1	2,562.8	19,910.1	20,118.0	2,648.0	1,488.7
Oregon	1,352.6	1,621.4	568.8	14.1	1,871.4	47.5	1.9	(Z)
Pennsylvania	2,678.8	2,753.0	10,387.0	11,048.4	38,328.0	41,100.0	919.9	534.3
South Carolina	1,226.6	1,961.3	4,126.6	1,915.2	21,705.9	12,602.0	1,910.1	806.5
South Dakota	924.4	908.1	176.0	1,075.2	580.8	3,623.4	0.6	3.6
Tennessee	363.3	519.7	2,199.4	1,793.8	17,287.3	14,045.5	2,351.1	1,039.4
Texas	3,347.0	4,138.9	14,467.9	14,300.0	72,194.8	69,927.0	5,703.4	2,797.1
Utah	949.9	1,598.0	3,002.9	2,647.5	9,939.6	8,922.1	9.9	8.9
Vermont	10.5	18.1	87.7	107.9	338.5	414.3	11.8	7.0
Virginia	1,140.0	1,519.7	2,244.9	2,116.9	17,151.0	17,041.0	2,281.1	1,278.1
Washington	5,527.8	4,852.1	321.1	33.3	1,066.1	112.2	2.1	(Z)
West Virginia	298.3	285.9	1,645.7	1,669.7	13,182.1	13,090.4	1,832.3	968.7
Wisconsin	1,096.6	1,045.4	2,771.6	2,462.2	10,642.9	9,528.7	351.2	162.0
Other States ³	4,471.4	8,103.3	8,986.6	7,312.0	30,465.6	25,292.4	179.7	105.5
United States	106,307.4	126,310.8	207,416.3	187,658.6	1,057,349.5	991,978.7	87,422.6	46,674.2

(Z) Less than half of the unit shown. ¹ Annual estimates cover the period December 1 previous year through November 30. Exclude broilers. Totals may not add due to rounding. ² Includes rendered, died, destroyed, composted, or disappeared for any reason except sold during the 12-month period. ³ Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, Nevada, New Hampshire, New Jersey, New Mexico, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing data for individual operations.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-35.—Mature chickens: Lost, sold for slaughter, price, and value, United States, 2008–2017¹

Year	Number		Pounds (live weight) sold ³	Price per pound live weight ³
	Lost ²	Sold ³		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
2008	102,071	176,023	940,221	62,456
2009	99,596	176,266	910,333	65,381
2010	108,356	173,404	903,750	73,099
2011	106,361	182,153	943,142	81,110
2012	103,758	179,162	901,411	79,208
2013	101,166	185,837	922,546	87,939
2014	105,618	190,583	952,136	96,151
2015	130,679	196,615	996,588	103,206
2016	106,307	207,416	1,057,350	87,423
2017	126,311	187,659	991,979	46,674

¹ Annual estimates cover the period December 1 previous year through November 30. Excludes broilers. Totals may not add due to rounding. ² Includes rendered, died, destroyed, composted, or disappeared for any reason (excluding sold for slaughter) during the 12-month period.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-36.—Poultry, meat, and broiler: International trade, 2015–2017

Country	2015	2016	2017
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting:			
Argentina	187	158	181
Belarus	135	145	150
Brazil	3,841	3,889	3,847
Canada	133	134	134
China	401	386	436
European Union	1,179	1,276	1,310
Russia	71	104	124
Thailand	622	690	757
Turkey	321	296	410
Ukraine	158	236	262
Others	370	378	353
Total Foreign	7,418	7,692	7,964
United States	2,867	3,014	3,075
Total	10,285	10,706	11,039
Principle importing:			
China	268	430	311
Cuba	224	233	278
European Union	730	763	700
Hong Kong	312	344	291
Iraq	625	661	656
Japan	936	973	1,056
Mexico	790	791	804
Saudi Arabia	863	886	780
South Africa	457	528	524
United Arab Emirates	277	296	310
Others	3,097	3,022	3,201
Total Foreign	8,579	8,927	8,911
United States	59	59	57
Total	8,638	8,986	8,968

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 8-37.—Broilers: Production and value, United States, 2008–2017^{1 2 3}

Year	Number produced	Pounds produced	Value of production
	1,000 head	1,000 pounds	1,000 dollars
2008	9,009,300	50,441,600	23,203,136
2009	8,550,200	47,752,300	21,822,804
2010	8,623,600	49,152,600	23,691,553
2011	8,607,600	50,082,400	22,987,822
2012	8,463,000	49,655,600	24,827,800
2013	8,533,800	50,678,200	30,761,669
2014	8,545,000	51,378,700	32,728,234
2015	8,688,700	53,376,200	28,716,398
2016	8,776,700	54,259,100	25,935,852
2017	8,913,000	55,569,300	30,229,700

¹ December 1, previous year through November 30, current year. ² Broiler production including other domestic meat-type strains. ³ Excludes States producing less than 500,000 broilers. NASS, Livestock Branch, (202) 720–3570.

Table 8-38.—Chickens: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 2008–2017

Year	Production			Commercial storage at beginning of year	Exports	Commercial storage at end of year	Consumption	
	Commercial broilers	Other chickens	Total ¹				Total ^{1 2}	Per capita
	Million pounds	Million pounds	Million pounds				Million pounds	Pounds
2008	36,511	559	37,070	721	7,109	748	30,037	99
2009	35,131	500	35,631	748	6,918	618	28,949	94
2010	36,515	504	37,019	618	6,841	777	30,130	97
2011	36,804	521	37,326	777	7,070	592	30,549	98
2012	36,643	517	37,160	592	7,364	652	29,850	95
2013	37,425	523	37,948	652	7,453	675	30,596	97
2014	38,153	521	38,673	675	7,407	683	31,377	98
2015	39,620	522	40,142	683	6,465	840	33,652	105
2016	40,261	548	40,809	840	6,803	786	34,194	106
2017 ³	41,217	535	41,752	786	6,910	861	34,895	107

¹ Totals may not add due to rounding. ² Shipments to territories now included in total consumption. ³ Preliminary. ERS Markets and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694–5308.

Table 8-39.—Poultry: Feed-price ratios, United States, 2008–2017

Year	Ratios ¹		
	Egg-feed	Broiler-feed	Turkey-feed
	Pounds	Pounds	Pounds
2008	8.6	3.7	4.6
2009	7.2	4.1	5.0
2010	7.5	4.5	6.2
2011	6.0	3.1	4.9
2012	5.4	3.1	4.7
2013	6.5	3.7	4.6
2014	10.2	5.0	6.3
2015	17.1	5.0	8.5
2016	5.9	4.7	9.2
2017	7.7	5.4	7.2

¹ Number of pounds of poultry feed equivalent in value at local market prices to 1 dozen market eggs, or 1 pound of broiler or 1 pound of turkey live weight. Simple average of monthly feed-price ratios. Egg feed= corn (75 lbs) and soybeans (25 lbs); broiler feed= corn (58 lbs); soybeans (42 lbs); turkey feed= corn (51 lbs), soybeans (28 lbs), and wheat (21 lbs). Monthly equivalent prices of commercial prepared feeds are based on current U.S. prices received for corn, soybeans, and wheat.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 8-40.—Broilers: Production and value, States, 19 States, and United States, 2016 and 2017¹

State	2016			2017		
	Number produced	Pounds produced	Value of production	Number produced	Pounds produced	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
Alabama	1,070,100	5,992,600	2,864,463	1,095,400	6,134,200	3,337,005
Arkansas	1,009,400	6,561,100	3,136,206	1,059,000	6,989,400	3,802,234
Delaware	252,500	1,843,300	881,097	259,800	1,870,600	1,017,606
Florida	63,200	366,600	175,235	65,200	371,600	202,150
Georgia	1,367,100	8,065,900	3,855,500	1,363,400	8,044,100	4,375,990
Kentucky	300,300	1,831,800	875,600	295,800	1,893,100	1,029,846
Maryland	303,500	1,851,400	884,969	306,700	1,840,200	1,001,069
Minnesota	48,400	295,200	141,106	59,700	358,200	194,861
Mississippi	739,400	4,658,200	2,226,620	741,100	4,743,000	2,580,192
Missouri	293,000	1,435,700	686,265	291,100	1,426,400	775,962
North Carolina	818,700	6,467,700	3,091,561	830,800	6,563,300	3,570,435
Ohio	88,000	475,200	227,146	99,300	526,300	286,307
Oklahoma	209,700	1,363,100	651,562	204,500	1,370,200	745,389
Pennsylvania	185,700	1,039,900	497,072	185,200	1,037,100	564,182
South Carolina	244,700	1,810,800	865,562	243,100	1,798,900	978,602
Tennessee	175,200	928,600	443,871	171,500	909,000	494,496
Texas	629,500	3,840,000	1,835,520	651,200	4,102,600	2,231,814
Virginia	269,100	1,533,900	733,204	277,400	1,608,900	875,242
West Virginia	90,300	352,200	168,352	86,100	335,800	182,675
Wisconsin	54,100	227,200	108,602	53,800	226,000	122,944
Other States ²	564,800	3,318,700	1,586,339	572,900	3,420,400	1,860,699
United States	8,776,700	54,259,100	25,935,852	8,913,000	55,569,300	30,229,700

¹ Annual estimates cover the period December 1 previous year through November 30. Broiler production including other domestic meat-type strains. Excludes States producing less than 500,000 broilers. ² California, Illinois, Indiana, Iowa, Louisiana, Michigan, Nebraska, New Jersey, New York, Oregon, and Washington combined to avoid disclosing individual operations.

NASS, Livestock Branch, (202) 720-3570.

Table 8-41.—Chicks hatched by commercial hatcheries: Number, average price, and value, United States, 2008–2017

Year	Chicks hatched			Average price of baby chicks per 100 ¹		Value of chick production ¹
	Broiler-type	Egg-type	All	Broiler-type	Egg-type	
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	
2008	9,468,133	467,763	9,935,896	26.30	75.60	2,666,769
2009	9,116,802	467,981	9,584,783	26.60	81.20	2,614,912
2010	9,276,240	490,393	9,766,633	27.00	83.00	2,708,098
2011	9,057,461	478,829	9,536,290	28.20	86.70	2,761,358
2012	8,968,811	483,443	9,452,254	29.50	89.70	2,845,700
2013	9,079,031	514,479	9,593,510	29.90	93.40	2,946,481
2014	9,162,401	520,845	9,683,246	.....	.....	.....
2015	9,317,987	565,582	9,883,569	.....	.....	.....
2016	9,471,072	585,735	10,056,807	.....	.....	.....
2017	9,616,134	581,770	10,197,904	.....	.....	.....

¹ Discontinued in 2014.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146 and Livestock Branch, (202) 720-3570.

Table 8-42.—Poultry: Slaughtered under Federal inspection, by class, United States, 2015–2017

Class	Number slaughtered			Total live weight		
	2015	2016	2017	2015	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens	8,688,462	8,768,399	8,916,097	53,169,030	54,036,929	55,314,913
Mature chickens	134,230	140,587	134,619	807,037	848,287	822,578
Total chickens	8,822,692	8,908,986	9,050,716	53,976,067	54,885,216	56,137,491
Young turkeys	230,812	241,418	240,011	6,972,127	7,412,058	7,420,122
Old turkeys	1,577	1,837	1,666	44,542	51,966	48,973
Total turkeys	232,389	243,255	241,677	7,016,669	7,464,024	7,469,095
Ducks	27,749	27,268	26,628	190,062	186,715	184,338
Other poultry ¹	(NA)	(NA)	(NA)	3,678	4,054	4,211
Total poultry	(NA)	(NA)	(NA)	61,186,476	62,540,009	63,795,135
Pounds condemned						
Class	Ante-mortem (live weight)			Post-mortem (Carcass and parts)		
	2015	2016	2017	2015	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens	121,020	124,994	124,241	364,274	356,808	342,149
Mature chickens	9,206	10,156	9,563	28,779	30,365	25,923
Total chickens	130,226	135,150	133,804	393,053	387,173	368,072
Young turkeys	16,873	18,680	18,798	79,937	86,939	84,726
Old turkeys	568	662	543	1,628	1,900	2,025
Total turkeys	17,441	19,342	19,341	81,565	88,839	86,751
Ducks	481	528	592	3,738	3,633	3,531
Other poultry	3	4	5	26	28	40
Total poultry	148,151	155,024	153,742	478,382	479,673	458,394
Pounds certified (ready-to-cook)						
Class	2015	2016	2017			
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
Young chickens	40,048,276	40,696,114	41,662,394			
Mature chickens	522,433	548,567	535,291			
Total chickens	40,570,709	41,244,681	42,197,685			
Young turkeys	5,593,008	5,942,076	5,943,827			
Old turkeys	33,640	39,025	36,750			
Total turkeys	5,626,648	5,981,101	5,980,577			
Ducks	137,558	135,821	134,313			
Other poultry ²	2,413	2,655	2,727			
Total poultry	46,337,328	47,364,258	48,315,302			

(NA) Not available. ¹Includes geese, guineas, ostriches, emus, rheas, and squab. ²Includes geese, guineas, and squab.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-43.—Turkeys: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 2008–2017

Year	Production	Commercial storage at beginning of year	Exports	Commercial storage at end of year	Consumption	
					Total ^{1 2}	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>
2008	6,165	261	675	396	5,368	17.6
2009	5,589	396	534	262	5,210	17.0
2010	5,570	262	581	192	5,084	16.4
2011	5,715	192	703	211	5,013	16.1
2012	5,889	211	797	296	5,028	16.0
2013	5,729	296	741	237	5,068	16.0
2014	5,756	237	775	193	5,052	15.8
2015	5,627	193	529	201	5,136	16.0
2016	5,981	201	569	279	5,384	16.6
2017 ³	5,981	279	621	310	5,353	16.4

¹Totals may not add due to rounding. ²Shipments to territories now included in consumption. ³Preliminary. ERS Markets and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694-5409.

Table 8-44.—Poultry, meat, and turkey: International trade, 2013–2014

Country	2013	2014
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting:		
Others	329	281
Total Foreign	329	281
United States	344	366
Total	673	647
Principle importing:		
Others	339	276
Total Foreign	339	276
United States	10	13
Total	349	289

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 8-45.—Turkeys: Production and value, United States, 2008–2017

Year	Number raised	Pounds (live weight) produced	Value of production ¹
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
2008	273,088	7,911,797	4,471,046
2009	247,359	7,149,314	3,573,324
2010	244,188	7,108,222	4,372,438
2011	248,500	7,313,205	4,987,608
2012	253,500	7,561,905	5,452,135
2013	240,000	7,277,536	4,839,562
2014	237,500	7,217,006	5,304,501
2015	233,100	7,038,136	5,707,928
2016	244,000	7,486,978	6,184,247
2017	242,500	7,494,651	4,841,545

NASS, Livestock Branch, (202) 720–3570.

Table 8-46.—Turkeys: Production and value, by State and United States, 2016–2017 ¹

State	2016			2017		
	Number raised	Pounds produced	Value of production	Number raised	Pounds produced	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
Arkansas	26,000	525,200	433,815	26,500	527,350	340,668
California	11,400	323,760	267,426	11,500	319,700	206,526
Indiana	19,500	758,550	626,562	20,000	792,000	511,632
Iowa	11,700	460,980	380,769	12,000	484,800	313,181
Michigan	5,400	216,540	178,862	5,100	206,040	133,102
Minnesota	44,500	1,103,600	911,574	42,000	1,058,400	683,726
Missouri	19,200	625,920	517,010	18,800	624,160	403,207
North Carolina	33,500	1,202,650	993,389	32,500	1,144,000	739,024
Ohio	5,800	236,640	195,465	6,700	280,730	181,352
Pennsylvania	7,300	189,800	156,775	7,500	204,750	132,269
South Dakota	4,200	180,180	148,829	4,100	176,300	113,890
Utah	4,700	121,730	100,549	5,200	134,160	86,667
Virginia	17,200	467,840	386,436	16,800	458,640	296,281
West Virginia	3,700	111,000	91,686	3,700	111,000	71,706
Other States ²	29,900	962,588	795,100	30,100	972,621	628,314
United States	244,000	7,486,978	6,184,247	242,500	7,494,651	4,841,545

¹ Based on turkeys placed September 1 through August 31. Excludes young turkeys lost. ² Includes State estimates not shown and States withheld to avoid disclosing data for individual operations.
NASS, Livestock Branch, (202) 720–3570.

Table 8-47.—Turkeys: Net poults placements, United States, Monthly, 2016–2017 ¹

Month	Total all breeds		Percent of Previous Year
	2016	2017	
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>
January	21,991	23,046	105
February	21,550	22,078	102
March	22,537	23,636	105
April	22,480	22,237	99
May	23,291	22,639	97
June	24,322	23,950	98
July	24,432	23,987	98
August	23,497	24,321	104
September	21,581	20,670	96
October	21,381	22,030	103
November	21,334	21,399	100
December	22,980	20,766	90
Total	271,376	270,759	100

¹ Includes imports and excludes exports.
NASS, Livestock Branch, (202) 720–3570.

Table 8-48.—Turkeys: Poult hatched by commercial hatcheries, United States by Month, 2016–2017

Month	2016	2017	Percent of Previous Year
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>
January	22,783	25,412	112
February	22,382	23,679	106
March	23,596	25,812	109
April	23,782	23,278	98
May	23,773	24,169	102
June	25,036	25,125	100
July	24,752	24,691	100
August	24,232	24,868	103
September	23,645	23,530	100
October	23,572	24,393	103
November	22,782	23,246	102
December	25,422	22,375	88
Total	285,757	290,578	102

NASS, Livestock Branch, (202) 720-3570.

Table 8-49.—Eggs: Supply, distribution, and per capita consumption, United States, 2008–2017¹

Year	Total egg production	Storage at beginning of the year ¹	Imports ²	Exports ²	Eggs used for hatching	Consumption		
						Storage at end of the year ²	Total ³	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>
2008	7,519	11	28	206	996	17	6,338	250
2009	7,569	17	20	242	955	18	6,390	250
2010	7,656	18	22	258	982	19	6,436	249
2011	7,715	19	21	277	950	28	6,501	250
2012	7,883	28	18	302	941	21	6,666	254
2013	8,149	21	17	387	964	23	6,812	258
2014	8,433	23	35	379	981	23	7,108	267
2015	8,053	23	123	314	996	31	6,859	256
2016	8,565	31	122	279	1,010	27	7,402	275
2017 ⁴	8,808	27	32	321	1,035	23	7,489	276

¹ Calendar years. ² Shell eggs and the approximate shell-egg equivalent of egg product. ³ Shipments to territories now included in total consumption. ⁴ Preliminary.

ERS Markets and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694-5409.

Table 8-50.—Eggs, shell: Average price per dozen on consumer Grade A cartoned white eggs to volume buyers, store-door delivery, New York, 2008–2017

Year	Large
	<i>Cents</i>
2008	128.32
2009	102.97
2010	106.29
2011	115.31
2012	117.46
2013	124.69
2014	142.33
2015	181.74
2016	85.70
2017	100.96

AMS, Livestock, Poultry and Seed Programs, Livestock, Poultry and Grain Market News Division, (515) 284-4460.

Table 8-51.—All layers and egg production: Annual average number of layers, eggs per layer, and total production, by State and United States, 2016–2017¹

State	Average number of layers		Eggs per layer ²		Total egg production	
	2016	2017	2016	2017	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Number</i>	<i>Number</i>	<i>Millions</i>	<i>Millions</i>
Alabama	9,130	9,112	231	227	2,110.7	2,072.3
Arkansas	13,799	13,962	247	242	3,411.4	3,376.9
California	12,082	13,198	287	285	3,473.5	3,758.5
Colorado	4,606	4,576	296	305	1,364.0	1,394.1
Florida	8,565	7,585	276	276	2,364.1	2,095.1
Georgia	19,618	19,363	258	256	5,054.5	4,964.1
Illinois	5,117	5,013	300	295	1,534.7	1,478.1
Indiana	30,467	32,575	292	294	8,910.4	9,581.6
Iowa	49,230	55,170	276	289	13,603.7	15,953.1
Kentucky	4,906	4,944	266	261	1,304.1	1,289.3
Louisiana	2,195	1,982	246	242	541.0	480.2
Maryland	2,713	2,826	293	295	795.9	833.7
Massachusetts	143	124	284	324	40.6	40.2
Michigan	13,364	14,270	297	296	3,963.9	4,224.7
Minnesota	9,958	10,573	283	293	2,813.9	3,103.1
Mississippi	5,605	5,586	248	249	1,391.9	1,392.6
Missouri	10,962	10,454	293	292	3,208.9	3,057.0
Montana	436	523	312	294	135.9	153.8
Nebraska	8,844	8,168	291	305	2,570.2	2,489.2
New York	5,645	5,582	297	303	1,673.8	1,694.1
North Carolina	14,501	15,223	257	259	3,731.4	3,935.3
Ohio	33,278	30,833	287	289	9,546.0	8,903.8
Oklahoma	2,891	2,836	239	235	691.8	666.5
Oregon	2,387	2,367	307	314	732.0	743.9
Pennsylvania	27,177	27,812	302	295	8,201.2	8,212.8
South Carolina	4,246	3,921	269	272	1,141.7	1,067.9
South Dakota	2,147	2,705	277	290	594.2	785.4
Tennessee	1,706	1,633	231	229	394.5	374.6
Texas	20,583	21,567	271	267	5,571.8	5,760.5
Utah	4,571	5,153	278	294	1,271.4	1,512.7
Vermont	126	150	305	293	38.4	43.9
Virginia	2,971	2,620	263	264	782.3	691.4
Washington	6,959	6,994	288	301	2,006.5	2,103.7
West Virginia	1,263	1,238	227	221	287.1	273.1
Wisconsin	5,616	6,080	288	289	1,618.8	1,759.4
Other States ³	18,190	19,127	288	283	5,235.3	5,422.1
United States	365,997	375,845	279	281	102,111.5	105,688.7

¹ Annual estimates cover the period December 1 previous year through November 30. Totals may not add due to rounding. ² Total egg production divided by average number of layers on hand. ³ Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, New Hampshire, New Jersey, New Mexico, Nevada, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing data for individual operations.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-52.—Eggs: Broken under Federal inspection, United States, 2016–2017

Item	Quantity	
	2016	2017
Shell eggs broken	1,000 dozen 2,291,735	1,000 dozen 2,307,023
Edible product from shell eggs broken	1,000 pounds	1,000 pounds
Whole	1,823,120	1,837,087
White	739,778	771,207
Yolk	371,690	383,655
Total	2,934,588	2,991,949
Inedible product from shell eggs broken	243,716	239,584

NASS, Livestock Branch, (202) 720-3570.

Table 8-53.—Eggs: Number, rate of lay, production, and value, United States, 2008–2017¹

Year	Layers average number	Eggs per layer ²	Total egg production	Value of production
	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>	<i>1,000 dollars</i>
2008	339,933	266	90,239	8,239,313
2009	338,846	268	90,737	6,191,040
2010	341,505	269	91,811	6,553,087
2011	340,598	271	92,450	7,355,873
2012	394,844	274	94,364	7,929,104
2013	354,844	275	97,555	8,678,859
2014	360,873	277	99,768	10,257,972
2015	352,411	276	97,208	13,608,194
2016	365,997	279	102,112	6,514,074
2017	375,845	281	105,689	7,551,021

¹ Annual estimates cover the period December 1 previous year through November 30. ² Total egg production divided by average number of layers on hand.
NASS, Livestock Branch, (202) 720–3570.

Table 8-54.—All Eggs: Production and value by State and United States, 2016–2017¹

State	Eggs produced		Value of production	
	2016	2017	2016	2017
	<i>Millions</i>	<i>Millions</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Alabama	2,110.7	2,072.3	367,961	349,437
Arkansas	3,411.4	3,376.9	485,411	479,956
California	3,473.5	3,758.5	210,160	267,581
Colorado	1,364.0	1,394.1	67,929	76,212
Florida	2,364.1	2,095.1	110,028	112,171
Georgia	5,054.5	4,964.1	597,102	578,298
Illinois	1,534.7	1,478.1	72,534	85,996
Indiana	8,910.4	9,581.6	403,938	528,743
Iowa	13,603.7	15,953.1	555,174	858,359
Kentucky	1,304.1	1,289.3	118,592	118,459
Louisiana	541.0	480.2	53,193	53,041
Maryland	795.9	833.7	31,449	44,046
Massachusetts	40.6	40.2	1,425	2,023
Michigan	3,963.9	4,224.7	163,234	220,346
Minnesota	2,813.9	3,103.1	126,454	173,204
Mississippi	1,391.9	1,392.6	221,704	211,033
Missouri	3,208.9	3,057.0	189,889	201,090
Montana	135.9	153.8	7,870	11,192
Nebraska	2,570.2	2,489.2	99,773	130,922
New York	1,673.8	1,694.1	63,470	89,145
North Carolina	3,731.4	3,935.3	444,441	460,106
Ohio	9,546.0	8,903.8	411,781	479,638
Oklahoma	691.8	666.5	79,048	78,838
Oregon	732.0	743.9	42,447	50,366
Pennsylvania	8,201.2	8,212.8	364,362	475,528
South Carolina	1,141.7	1,067.9	95,367	92,710
South Dakota	594.2	785.4	22,482	40,673
Tennessee	394.5	374.6	76,518	68,391
Texas	5,571.8	5,760.5	361,309	392,538
Utah	1,271.4	1,512.7	73,238	102,375
Vermont	38.4	43.9	1,829	2,628
Virginia	782.3	691.4	96,909	89,995
Washington	2,006.5	2,103.7	117,086	141,321
West Virginia	287.1	273.1	55,890	50,120
Wisconsin	1,618.8	1,759.4	79,083	103,278
Other States ²	5,235.3	5,422.1	244,994	331,262
United States	102,111.5	105,688.7	6,514,074	7,551,021

Totals may not add due to rounding. ¹ Annual estimates cover the period December 1 previous year through November 30. Includes hatching and market (table) eggs. ² Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, Nevada, New Hampshire, New Jersey, New Mexico, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing individual operations.
NASS, Livestock Branch, (202) 720–3570.

Table 8-55.—Poultry and poultry products: Cold storage holdings, end of month, United States, 2016– 2017

Month	Frozen eggs							
	Whites		Yolks		Whole & mixed		Unclassified	
	2016	2017	2016	2017	2016	2017	2016	2017
	<i>1,000 pounds</i>							
January	3,958	4,364	976	1,025	19,604	13,170	17,620	18,354
February	4,819	5,200	1,227	1,039	15,857	13,177	15,497	21,655
March	4,385	5,707	797	828	13,034	13,416	13,525	21,960
April	2,564	4,628	781	920	14,467	12,296	15,858	23,332
May	3,386	3,530	960	914	12,646	13,109	18,969	21,480
June	3,515	4,773	721	1,340	13,890	14,034	19,834	21,565
July	3,234	5,244	841	1,228	13,517	14,592	19,617	19,129
August	3,367	4,651	889	675	11,174	13,290	16,295	16,550
September ...	3,773	4,685	859	1,200	11,424	13,174	17,028	14,875
October	4,205	4,138	780	672	11,115	12,884	18,244	15,234
November	4,558	4,597	1,062	733	13,130	11,217	17,740	11,364
December	4,888	4,760	1,067	642	11,275	11,734	18,422	13,026
Month	Frozen eggs, total		Frozen chicken					
	2016	2017	Broilers (Whole)		Hens		Breast and breast meat	
			2016	2017	2016	2017	2016	2017
	<i>1,000 pounds</i>							
January	42,158	36,913	14,164	17,357	7,389	7,918	181,756	191,811
February	37,400	41,071	16,694	16,274	6,860	6,490	181,064	191,083
March	31,741	41,911	20,152	16,783	6,116	4,926	183,857	178,702
April	33,670	41,176	23,204	21,761	6,365	4,629	187,316	186,900
May	35,961	39,033	20,203	20,662	7,833	6,090	182,119	184,393
June	37,960	41,712	20,164	22,744	8,652	7,846	169,034	182,935
July	37,209	40,193	24,617	22,807	8,831	8,799	167,789	172,907
August	31,725	35,166	22,965	22,154	10,648	8,538	150,037	169,854
September ...	33,084	33,934	22,290	22,269	11,449	6,567	149,732	170,582
October	34,344	32,928	17,426	20,281	9,018	6,065	157,418	175,209
November	36,490	27,911	15,709	16,350	9,636	4,562	172,231	184,012
December	35,652	30,162	15,322	11,990	8,242	4,613	190,087	188,070
Month	Frozen chicken							
	Drumsticks		Leg quarters		Legs		Thigh and thigh quarters	
	2016	2017	2016	2017	2016	2017	2016	2017
	<i>1,000 pounds</i>							
January	29,391	16,621	126,242	109,647	17,444	12,620	19,151	8,473
February	24,200	18,146	115,237	112,677	11,876	17,379	17,056	12,162
March	26,582	16,672	106,251	113,069	9,645	21,830	14,651	9,916
April	24,455	19,942	110,991	116,017	12,520	24,220	15,142	8,502
May	25,141	21,240	116,785	119,333	12,408	23,665	15,967	8,106
June	23,128	20,500	130,147	131,323	13,956	21,861	14,913	8,362
July	21,013	25,124	145,412	125,073	13,643	18,937	13,588	7,186
August	18,780	24,359	132,610	114,455	12,278	17,842	11,472	9,177
September ...	17,645	22,835	133,031	128,744	12,577	18,386	10,551	9,101
October	17,865	21,869	142,078	120,762	12,960	20,317	7,626	8,225
November	18,709	24,930	139,485	113,777	11,230	18,843	9,304	9,046
December	16,548	31,185	128,179	104,563	10,924	13,220	9,217	10,274
Month	Frozen chicken							
	Thigh meat		Wings		Paws and feet		Other	
	2016	2017	2016	2017	2016	2017	2016	2017
	<i>1,000 pounds</i>							
January	25,199	26,635	69,462	71,783	18,498	18,650	312,730	293,562
February	24,959	24,497	68,231	71,523	20,251	15,328	314,286	300,314
March	22,485	21,697	77,032	64,942	18,040	17,795	308,063	298,341
April	21,419	18,937	78,826	61,818	20,259	22,781	304,457	310,387
May	20,865	15,936	81,993	56,609	21,043	21,337	302,285	307,465
June	20,400	15,170	90,785	60,502	20,416	19,136	303,406	315,086
July	20,748	16,597	92,424	60,238	20,005	21,353	295,827	319,099
August	18,178	15,861	91,085	63,417	20,486	20,841	285,166	315,555
September ...	19,859	17,285	90,373	66,850	20,104	22,784	281,473	332,687
October	21,427	21,082	87,433	70,364	21,698	24,602	282,647	385,432
November	22,066	23,241	86,351	76,187	20,389	26,569	285,842	399,085
December	26,932	26,122	78,316	74,113	18,273	26,665	302,026	396,407

See end of table.

Table 8-55.—Poultry and poultry products: Cold storage holdings, end of month, United States, 2016–2017—Continued

Month	Total chicken		Frozen turkey					
	2016	2017	Toms		Hens		Total whole	
			2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	821,426	775,077	45,861	57,392	59,648	67,075	105,509	124,467
February	800,714	785,873	60,750	71,510	76,268	83,670	137,018	155,180
March	792,874	764,673	67,304	79,721	92,984	101,494	160,288	181,215
April	804,954	795,894	79,302	101,509	102,778	115,587	182,080	217,096
May	806,642	784,836	100,930	130,431	114,385	141,572	215,315	272,003
June	815,001	805,465	120,444	146,273	129,794	161,610	250,238	307,883
July	823,897	798,120	137,318	171,608	137,682	174,669	275,000	346,277
August	773,705	782,053	142,867	175,578	140,852	173,123	283,719	348,701
September ...	769,084	818,090	145,149	181,048	124,064	151,266	269,213	332,314
October	777,596	874,208	107,405	154,342	91,342	103,223	198,747	257,565
November	790,952	896,602	31,162	61,513	39,205	47,543	70,367	109,056
December	804,066	887,222	32,958	61,288	41,934	48,356	74,892	109,644
Frozen turkey								
Month	Breasts		Legs		Mechanically deboned meat		Other	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	52,881	73,909	15,934	17,522	8,788	6,252	28,095	32,038
February	58,986	87,836	14,740	16,497	8,545	5,825	34,754	30,166
March	63,993	97,176	13,859	15,289	8,550	6,479	36,353	33,736
April	70,058	105,780	13,934	12,257	8,761	7,290	37,300	32,206
May	80,361	106,663	16,174	12,492	9,761	8,512	42,597	29,679
June	87,410	105,260	14,288	10,463	9,645	8,438	46,396	29,246
July	86,978	103,097	15,304	10,518	10,340	6,428	44,323	27,784
August	83,041	101,706	14,224	10,393	9,888	6,559	38,124	31,039
September ...	79,044	92,471	10,320	7,311	9,270	6,501	38,641	32,976
October	67,045	71,492	8,314	9,344	8,652	6,189	32,945	33,077
November	55,719	64,000	9,653	11,958	7,547	5,943	30,127	28,675
December	73,157	73,195	12,755	13,076	6,935	6,302	35,613	31,140
Frozen turkey								
Month	Unclassified		Total turkey		Ducks		Total frozen poultry	
	2016	2017	2016	2017	2016	2017	2016	2017
<i>1,000 pounds</i>								
January	78,539	85,305	289,746	339,493	7,310	4,492	1,118,482	1,119,062
February	87,051	82,866	341,094	378,370	7,865	5,329	1,149,673	1,169,572
March	85,030	94,857	368,073	428,752	10,499	5,325	1,171,446	1,198,750
April	86,586	96,855	398,719	471,484	10,412	3,872	1,214,085	1,271,250
May	89,939	100,555	454,147	529,904	8,605	3,365	1,269,394	1,318,105
June	96,408	103,833	504,385	565,123	8,558	3,307	1,327,944	1,373,895
July	98,333	101,519	530,278	595,623	9,391	3,903	1,363,566	1,397,646
August	103,583	101,615	532,579	600,013	9,592	3,868	1,315,876	1,385,934
September ...	104,711	98,390	511,199	569,963	8,631	3,682	1,288,914	1,391,735
October	84,652	83,189	400,355	460,856	5,893	3,651	1,183,844	1,338,715
November	63,449	68,904	236,862	288,536	5,650	2,877	1,033,464	1,188,015
December	75,389	76,268	278,741	309,625	4,905	2,373	1,087,712	1,199,220

NASS, Livestock Branch, (202) 720-3570.

Table 8-56.—Dairy products: Cold storage holdings, end of month, United States, 2016–2017

Month	Butter		American cheese	
	2016	2017	2016	2017
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	192,101	221,556	716,370	722,449
February	235,559	269,857	716,357	744,640
March	243,134	272,500	725,837	772,702
April	295,771	292,284	734,121	804,645
May	324,942	313,593	757,530	816,266
June	328,149	310,158	756,950	810,234
July	332,848	307,359	769,705	831,538
August	318,774	280,194	742,497	800,994
September	269,125	255,839	742,804	780,466
October	228,158	217,918	736,017	740,404
November	161,203	159,258	713,231	733,378
December	166,043	168,787	726,403	746,846
Month	Swiss cheese		Other	
	2016	2017	2016	2017
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	24,100	23,930	437,724	445,787
February	24,703	26,999	441,248	454,818
March	24,629	26,053	440,928	463,489
April	24,592	26,962	450,509	471,721
May	24,967	26,242	466,885	466,421
June	24,492	25,495	468,886	480,969
July	25,702	27,009	480,139	510,959
August	26,019	26,831	472,603	505,726
September	26,055	25,408	466,593	502,198
October	24,428	24,277	461,870	503,269
November	24,749	24,933	444,666	500,319
December	24,200	26,367	447,731	507,271
Month	Total natural cheese			
	2016		2017	
	<i>1,000 pounds</i>		<i>1,000 pounds</i>	
January		1,178,194		1,192,166
February		1,182,308		1,226,457
March		1,191,394		1,262,244
April		1,209,222		1,303,328
May		1,249,382		1,308,929
June		1,250,328		1,316,698
July		1,275,546		1,369,506
August		1,241,119		1,333,551
September		1,235,452		1,308,072
October		1,222,315		1,267,950
November		1,182,646		1,258,630
December		1,198,334		1,280,484

NASS, Livestock Branch, (202) 720-3570.

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.

Table 9-1.—Economic trends: Data relating to agriculture, United States, 2008–2017

Year	Prices paid by farmers ¹		Prices received by farmers ¹	Farm income ²		
	Total including interest, taxes, and wage rates (PPITW)	Production items		Gross farm income ³	Production expenses	Net farm income
	<i>Index numbers 2011=100</i>	<i>Index numbers 2011=100</i>	<i>Index numbers 2011=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
2008	90.0	88.3	91.7	364.5	286.5	78.0
2009	87.3	84.8	80.6	336.6	274.4	62.2
2010	90.0	87.7	86.8	356.5	279.4	77.1
2011	100.0	100.0	100.0	420.4	306.9	113.6
2012	104.4	105.4	105.0	449.8	353.3	96.5
2013	106.3	107.4	107.0	483.8	360.1	123.8
2014	112.0	114.1	107.9	483.1	390.7	92.4
2015	110.7	112.0	99.2	440.5	359.0	81.5
2016	105.9	104.7	90.5	411.8	350.1	61.6
2017	106.6	104.5	93.6	429.6	354.1	75.5

Year	National income ⁴	Personal income ⁴	Industrial production ⁵	Consumer prices all items ⁶	Producer prices consumer foods ⁶
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Index numbers 2012=100</i>	<i>Index numbers 1982–84=100</i>	<i>Index numbers 1982=100</i>
2008	12,325.8	12,442.2	100.8	215.3	178.3
2009	12,027.2	12,059.1	89.2	214.5	175.5
2010	12,735.8	12,551.6	94.1	218.1	182.4
2011	13,357.7	13,326.8	97.1	224.9	193.9
2012	14,094.7	14,010.1	100.0	229.6	199.1
2013	14,494.7	14,181.1	102.0	233.0	203.5
2014	15,245.5	14,991.8	105.2	236.7	212.5
2015	15,783.0	15,719.5	104.1	237.0	209.7
2016	16,058.9	16,125.1	102.1	240.0	204.6
2017	16,756.1	16,830.9	103.7	245.1	207.2

¹ U.S. Department of Agriculture - NASS. ² U.S. Department of Agriculture - ERS. ³ Includes cash receipts from farm marketings, government payments, nonmoney income (gross rental value of dwelling and value of home consumption), other income (machine hire custom work and recreational income), and value of change in farm inventories. ⁴ Department of Commerce, Bureau of Economic Analysis. ⁵ Major Industry groups Federal Reserve Board. ⁶ U.S. Department of Labor, Bureau of Labor Statistics.

ERS, Farm Economy Branch, (202) 694–5216. E-mail contact is Dipak Subedi at dipak.subedi@ers.usda.gov.

Table 9-2.—Farms: Number, land in farms, and average size of farm, United States, 2008–2017

Year	Farms ¹	Land in farms	Average size farm
	<i>Number</i>	<i>1,000 acres</i>	<i>Acres</i>
2008	2,184,500	918,600	421
2009	2,169,660	917,590	423
2010	2,149,520	915,660	426
2011	2,131,240	914,420	429
2012	2,109,810	914,600	433
2013	2,102,010	914,030	435
2014	2,085,000	913,000	438
2015	2,068,000	912,000	441
2016	2,060,000	911,000	442
2017	2,048,000	910,000	444

¹ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-3.—Farms: Percent of farms and land in farms, and average size, by economic sales class, United States, 2016–2017

Economic sales class	Percent of total				Average size farm	
	Farms		Land in farms		2016	2017
	2016	2017	2016	2017		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$ 1,000 - \$ 9,999	50.1	49.9	9.5	9.5	84	84
\$ 10,000 - \$ 99,999	30.1	30.2	21.1	21.0	309	309
\$100,000 - \$249,999	7.0	7.1	14.3	14.2	896	891
\$250,000 - \$499,999	4.8	4.8	14.0	14.0	1,296	1,299
\$500,000 - \$999,999	4.0	4.0	17.2	17.2	1,897	1,904
\$1,000,000 or more	4.0	4.0	24.0	24.2	2,656	2,660
Total ¹	100.0	100.0	100.0	100.0	442	444

¹ May not add due to rounding.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-4.—Land in farms: Classification by tenure of operator, United States, 1935–2012

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
		<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
	<i>Acres</i>				
1935 ¹	1,054,515,111	37.1	25.2	5.8	31.9
1940	1,065,113,774	35.9	28.2	6.5	29.4
1945 ¹	1,141,615,364	36.1	32.5	9.3	22.0
1950	1,161,419,720	36.1	36.4	9.2	18.3
1954 ¹	1,158,191,511	34.2	40.7	8.6	16.5
1959	1,123,507,574	31.0	44.0	9.8	14.8
1964	1,110,187,000	28.7	48.0	10.2	13.1
1969	1,062,892,501	35.3	51.8	.....	13.0
1974	1,017,030,357	35.3	52.6	.....	12.0
1978	1,014,777,234	32.7	55.3	.....	12.0
1982	986,796,579	34.7	53.8	.....	11.5
1987	964,470,625	32.9	53.9	.....	13.2
1992	945,531,506	31.3	55.7	.....	13.0
1997	931,795,255	33.9	54.5	.....	11.6
2002 ²	938,279,056	38.0	52.8	.....	9.2
2007 ²	922,095,843	37.3	53.8	.....	8.9
2012 ²	914,527,657	36.8	53.7	.....	9.5

¹ Excludes Alaska and Hawaii. ² The 2002 Census of Agriculture introduced new methodology to account for all farms in the United States. All 2002 published census items were reweighted for undercoverage. Strictly speaking, data for 2002 and subsequent years are not fully comparable with data from earlier years.
 ERS, Resource and Rural Economics Division, (202) 694-5572. Data from the Census of Agriculture, National Agricultural Statistics Service.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2016–2017

State	Economic Sales Class: \$1,000-\$9,999			
	Number of Farms		Land in Farms	
	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	25,700	25,200	2,650	2,700
Alaska	380	380	270	270
Arizona	14,800	14,900	600	600
Arkansas	21,500	21,200	1,700	1,700
California	29,500	30,700	1,300	1,500
Colorado	18,300	18,100	2,200	2,100
Connecticut	4,000	4,000	150	150
Delaware	870	870	20	20
Florida	27,000	27,000	1,240	1,250
Georgia	23,500	23,000	2,400	2,100
Hawaii	3,850	3,850	100	100
Idaho	12,100	12,200	800	800
Illinois	28,500	26,200	1,200	1,200
Indiana	27,600	26,800	930	920
Iowa	26,000	26,100	900	900
Kansas	21,400	21,400	2,400	2,300
Kentucky	41,500	41,800	2,800	2,800
Louisiana	16,200	15,700	1,180	1,100
Maine	5,000	5,000	480	480
Maryland	6,500	6,500	300	300
Massachusetts	5,000	5,000	210	210
Michigan	25,500	24,500	1,100	1,100
Minnesota	26,500	26,700	2,100	2,100
Mississippi	21,300	21,000	2,600	2,700
Missouri	44,500	44,500	3,900	4,300
Montana	11,500	11,500	2,700	2,800
Nebraska	12,000	11,700	900	900
Nevada	2,150	2,150	140	160
New Hampshire	3,100	3,100	240	240
New Jersey	5,600	5,600	160	160
New Mexico	16,100	16,200	4,100	4,100
New York	16,900	17,200	1,600	1,550
North Carolina	26,500	26,900	1,300	1,400
North Dakota	9,100	9,100	1,600	1,400
Ohio	33,200	32,400	1,600	1,550
Oklahoma	40,900	39,900	5,000	5,000
Oregon	20,900	20,800	1,440	1,400
Pennsylvania	26,300	26,100	1,800	1,790
Rhode Island	710	710	20	20
South Carolina	17,000	16,700	1,800	1,800
South Dakota	8,600	8,600	1,300	1,300
Tennessee	42,400	41,300	2,900	2,800
Texas	150,000	149,000	16,500	15,800
Utah	10,700	10,600	700	650
Vermont	4,050	4,050	340	340
Virginia	25,500	25,100	1,800	1,900
Washington	21,400	21,200	1,020	1,000
West Virginia	14,400	14,300	1,600	1,600
Wisconsin	30,400	30,200	1,950	1,850
Wyoming	5,000	5,000	900	800
United States	1,031,410	1,022,010	86,940	86,010

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2016–2017—Continued

State	Economic Sales Class: \$10,000-\$99,999			
	Number of Farms		Land in Farms	
	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	13,300	13,400	3,450	3,400
Alaska	290	290	450	450
Arizona	3,350	3,200	8,000	7,900
Arkansas	13,700	13,300	3,600	3,600
California	26,200	25,500	4,400	4,200
Colorado	10,000	10,200	6,900	7,100
Connecticut	1,550	1,550	110	110
Delaware	(D)	(D)	(D)	(D)
Florida	14,500	14,400	1,850	1,850
Georgia	10,500	10,500	2,100	2,300
Hawaii	2,600	2,600	260	260
Idaho	7,000	6,900	2,050	2,050
Illinois	18,300	19,000	2,900	2,700
Indiana	15,300	15,300	1,900	1,850
Iowa	23,800	23,700	3,300	3,300
Kansas	21,300	21,100	8,300	8,400
Kentucky	27,600	27,000	4,700	4,600
Louisiana	7,300	7,400	1,800	1,850
Maine	2,400	2,400	400	400
Maryland	3,600	3,500	400	400
Massachusetts	2,000	2,000	140	140
Michigan	14,600	15,100	1,600	1,700
Minnesota	21,600	21,400	3,600	3,600
Mississippi	10,000	10,100	2,800	2,700
Missouri	38,400	38,300	9,300	8,700
Montana	7,900	7,700	8,900	8,800
Nebraska	13,500	13,100	4,700	4,600
Nevada	830	850	270	280
New Hampshire	1,050	1,050	150	150
New Jersey	2,350	2,350	160	160
New Mexico	6,200	6,200	11,100	11,000
New York	11,200	10,600	1,600	1,600
North Carolina	12,800	12,400	1,500	1,500
North Dakota	7,100	7,100	3,400	3,200
Ohio	25,300	25,400	2,650	2,650
Oklahoma	28,100	28,500	11,400	11,400
Oregon	9,000	8,900	2,830	2,900
Pennsylvania	19,800	19,800	2,280	2,330
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	5,400	5,500	1,300	1,300
South Dakota	9,300	9,300	4,900	5,100
Tennessee	19,500	20,000	3,600	3,700
Texas	71,000	70,200	41,000	41,000
Utah	5,500	5,600	2,000	1,900
Vermont	2,100	2,100	320	320
Virginia	14,200	14,300	2,800	2,800
Washington	8,400	8,300	1,900	2,000
West Virginia	5,400	5,300	1,400	1,400
Wisconsin	20,900	20,900	2,850	2,850
Wyoming	3,800	3,700	4,600	4,700
Other States ¹	1,010	1,010	60	60
United States	620,830	618,300	191,980	191,260

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2016–2017—Continued

State	Economic Sales Class: \$100,000-\$249,999			
	Number of Farms		Land in Farms	
	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	1,150	1,100	800	750
Alaska	50	50	70	70
Arizona	570	590	11,300	11,300
Arkansas	1,900	1,800	1,200	1,100
California	6,300	6,350	3,700	3,600
Colorado	2,500	2,550	5,500	5,600
Connecticut	(D)	(D)	(D)	(D)
Delaware	(D)	(D)	(D)	(D)
Florida	2,250	2,250	920	900
Georgia	1,300	1,300	630	610
Hawaii	280	280	160	160
Idaho	1,900	1,900	1,650	1,550
Illinois	8,500	8,500	3,100	3,000
Indiana	5,300	5,200	1,540	1,480
Iowa	10,300	10,600	2,900	3,000
Kansas	6,400	6,400	6,900	7,000
Kentucky	3,300	3,300	1,200	1,200
Louisiana	800	800	520	510
Maine	340	340	100	100
Maryland	600	600	230	230
Massachusetts	380	380	50	50
Michigan	4,200	4,500	1,100	900
Minnesota	8,600	8,400	2,600	2,400
Mississippi	1,100	1,000	700	700
Missouri	6,400	7,000	3,900	4,300
Montana	3,150	3,000	9,800	9,800
Nebraska	7,600	7,500	5,900	6,100
Nevada	260	260	580	590
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	450	450	80	80
New Mexico	1,050	1,030	7,700	7,500
New York	3,600	3,800	950	850
North Carolina	2,000	2,000	700	600
North Dakota	3,100	3,100	3,700	3,700
Ohio	7,200	6,800	1,950	1,900
Oklahoma	4,450	4,350	5,700	5,600
Oregon	1,700	1,700	2,900	2,900
Pennsylvania	5,500	5,400	1,040	1,000
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	600	600	270	270
South Dakota	4,100	4,100	5,200	5,200
Tennessee	2,000	1,900	850	850
Texas	8,700	9,000	20,500	21,000
Utah	800	850	1,300	1,200
Vermont	490	490	140	140
Virginia	2,050	1,950	1,000	950
Washington	2,200	2,250	1,550	1,400
West Virginia	350	350	240	240
Wisconsin	7,300	7,300	1,950	1,900
Wyoming	1,300	1,150	5,000	4,900
Other States ¹	530	530	100	100
United States	144,900	145,050	129,870	129,280

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2016–2017—Continued

State	Economic Sales Class: \$250,000-\$499,999			
	Number of Farms		Land in Farms	
	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	950	950	400	450
Alaska	(D)	(D)	(D)	(D)
Arizona	240	240	2,600	2,600
Arkansas	1,000	1,000	600	500
California	4,700	4,500	2,400	2,200
Colorado	1,300	1,250	5,800	5,700
Connecticut	(D)	(D)	(D)	(D)
Delaware	(D)	(D)	(D)	(D)
Florida	1,300	1,200	1,000	1,000
Georgia	1,000	1,000	470	490
Hawaii	120	120	60	60
Idaho	1,300	1,300	1,400	1,400
Illinois	7,000	7,000	4,400	4,400
Indiana	4,000	4,100	2,100	2,200
Iowa	9,700	9,700	4,900	4,900
Kansas	4,300	4,300	7,500	7,500
Kentucky	1,500	1,500	900	900
Louisiana	650	650	550	520
Maine	220	220	110	110
Maryland	650	650	250	250
Massachusetts	(D)	(D)	(D)	(D)
Michigan	2,900	2,700	1,200	1,100
Minnesota	6,200	6,400	3,300	3,400
Mississippi	800	700	500	450
Missouri	3,500	3,300	3,400	3,200
Montana	2,450	2,400	12,300	12,200
Nebraska	5,600	5,700	7,700	7,900
Nevada	420	400	970	940
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	270	270	90	90
New Mexico	500	520	6,300	6,400
New York	1,700	1,800	750	900
North Carolina	1,600	1,600	700	700
North Dakota	3,000	3,100	5,300	5,400
Ohio	3,800	4,000	1,900	1,900
Oklahoma	2,100	2,050	4,600	4,500
Oregon	1,000	950	2,280	2,300
Pennsylvania	3,500	3,550	960	940
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	300	300	230	230
South Dakota	3,100	3,100	7,000	6,800
Tennessee	950	950	700	700
Texas	4,800	4,600	18,300	18,300
Utah	600	650	1,450	1,650
Vermont	350	350	150	150
Virginia	1,200	1,100	700	650
Washington	1,200	1,250	2,250	2,250
West Virginia	150	150	120	120
Wisconsin	4,800	4,800	2,050	2,150
Wyoming	800	800	6,300	6,300
Other States ¹	560	560	150	150
United States	98,080	97,730	127,090	126,950

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2016–2017—Continued

State	Economic Sales Class: \$500,000-\$999,999			
	Number of Farms		Land in Farms	
	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	1,500	1,500	550	550
Alaska	(D)	(D)	(D)	(D)
Arizona	300	310	500	500
Arkansas	1,400	1,400	1,100	1,200
California	3,250	3,250	2,800	2,800
Colorado	800	850	5,400	5,300
Connecticut	(D)	(D)	(D)	(D)
Delaware	370	370	100	100
Florida	820	820	600	650
Georgia	2,900	2,900	1,620	1,620
Hawaii	70	70	240	240
Idaho	800	800	2,000	2,000
Illinois	5,400	5,800	6,100	6,300
Indiana	2,900	2,900	2,930	2,950
Iowa	10,000	9,700	8,900	8,900
Kansas	3,000	3,100	9,600	9,500
Kentucky	1,000	1,100	1,290	1,300
Louisiana	850	850	900	920
Maine	110	110	90	90
Maryland	400	400	260	260
Massachusetts	(D)	(D)	(D)	(D)
Michigan	2,350	2,350	1,800	1,800
Minnesota	5,100	5,000	4,900	4,900
Mississippi	1,100	1,000	1,000	950
Missouri	2,400	2,200	4,000	3,900
Montana	1,450	1,500	13,500	13,500
Nebraska	5,000	4,800	9,800	9,800
Nevada	180	190	1,100	1,200
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	210	210	80	80
New Mexico	370	360	8,300	8,300
New York	1,000	950	650	650
North Carolina	1,600	1,600	950	950
North Dakota	4,200	4,200	10,100	10,400
Ohio	2,850	2,950	2,400	2,500
Oklahoma	1,400	1,300	3,900	3,900
Oregon	800	850	2,650	2,600
Pennsylvania	1,850	1,900	750	770
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	400	400	450	450
South Dakota	3,500	3,400	11,500	11,400
Tennessee	850	850	900	900
Texas	3,700	3,800	15,400	15,000
Utah	240	230	4,550	4,500
Vermont	160	160	90	90
Virginia	1,050	1,050	830	830
Washington	1,050	1,000	2,880	2,850
West Virginia	170	170	110	110
Wisconsin	2,900	2,800	2,050	2,050
Wyoming	470	500	6,800	6,900
Other States ¹	260	260	80	80
United States	82,480	82,210	156,500	156,540

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2016–2017—Continued

State	Economic Sales Class: \$1,000,000 or more			
	Number of Farms		Land in Farms	
	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	1,400	1,450	1,050	1,050
Alaska	(D)	(D)	(D)	(D)
Arizona	340	360	2,900	3,000
Arkansas	3,500	3,600	5,500	5,500
California	6,750	6,800	10,800	11,000
Colorado	900	850	5,900	6,000
Connecticut	90	90	100	100
Delaware	380	380	270	270
Florida	1,230	1,330	3,800	3,800
Georgia	2,300	2,200	2,280	2,180
Hawaii	80	80	300	300
Idaho	1,200	1,200	3,900	4,100
Illinois	4,500	4,500	9,000	9,000
Indiana	2,400	2,500	5,300	5,300
Iowa	7,200	7,100	9,600	9,500
Kansas	3,200	3,300	11,200	11,200
Kentucky	1,100	1,100	2,010	2,000
Louisiana	1,100	1,100	2,800	2,800
Maine	130	130	270	270
Maryland	550	550	590	590
Massachusetts	80	80	50	50
Michigan	1,850	1,750	3,150	3,350
Minnesota	5,300	5,300	9,400	9,500
Mississippi	1,900	2,000	3,100	3,200
Missouri	2,000	2,000	4,000	4,100
Montana	950	1,000	12,500	12,700
Nebraska	4,700	4,600	16,200	15,900
Nevada	160	150	2,900	2,800
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	220	220	150	150
New Mexico	380	390	5,700	6,000
New York	1,100	1,150	1,750	1,650
North Carolina	3,500	3,300	3,050	2,950
North Dakota	3,300	3,300	15,000	15,000
Ohio	2,150	2,050	3,500	3,500
Oklahoma	1,050	1,100	3,600	3,600
Oregon	1,000	1,000	4,200	4,200
Pennsylvania	1,250	1,250	800	800
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	800	800	950	950
South Dakota	2,400	2,500	13,400	13,500
Tennessee	900	900	1,850	1,850
Texas	3,300	3,400	18,100	18,500
Utah	260	270	1,000	1,100
Vermont	150	150	210	210
Virginia	800	800	970	970
Washington	1,650	1,700	5,100	5,200
West Virginia	130	130	130	130
Wisconsin	2,400	2,500	3,550	3,500
Wyoming	230	250	6,700	6,600
Other States ¹	40	40	40	40
United States	82,300	82,700	218,620	219,960

(D) Withheld to avoid disclosing data for individual operations. ¹ Includes data withheld above.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-6.—Number of farms and land in farms by State and United States, 2016–2017

State	Number of Farms ¹		Land in farms		Average farm size	
	2016	2017	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Acres</i>	<i>Acres</i>
Alabama	44,000	43,600	8,900	8,900	202	204
Alaska	760	760	830	830	1,092	1,092
Arizona	19,600	19,600	25,900	25,900	1,321	1,321
Arkansas	43,000	42,300	13,700	13,600	319	322
California	76,700	77,100	25,400	25,300	331	328
Colorado	33,800	33,800	31,700	31,800	938	941
Connecticut	6,000	6,000	440	440	73	73
Delaware	2,500	2,500	500	500	200	200
Florida	47,100	47,000	9,410	9,450	200	201
Georgia	41,500	40,900	9,500	9,300	229	227
Hawaii	7,000	7,000	1,120	1,120	160	160
Idaho	24,300	24,300	11,800	11,900	486	490
Illinois	72,200	71,000	26,700	26,600	370	375
Indiana	57,500	56,800	14,700	14,700	256	259
Iowa	87,000	86,900	30,500	30,500	351	351
Kansas	59,600	59,600	45,900	45,900	770	770
Kentucky	76,000	75,800	12,900	12,800	170	169
Louisiana	26,900	26,500	7,750	7,700	288	291
Maine	8,200	8,200	1,450	1,450	177	177
Maryland	12,300	12,200	2,030	2,030	165	166
Massachusetts	7,800	7,800	520	520	67	67
Michigan	51,400	50,900	9,950	9,950	194	195
Minnesota	73,300	73,200	25,900	25,900	353	354
Mississippi	36,200	35,800	10,700	10,700	296	299
Missouri	97,200	97,300	28,500	28,500	293	293
Montana	27,400	27,100	59,700	59,800	2,179	2,207
Nebraska	48,400	47,400	45,200	45,200	934	954
Nevada	4,000	4,000	5,960	5,970	1,490	1,493
New Hampshire	4,400	4,400	470	470	107	107
New Jersey	9,100	9,100	720	720	79	79
New Mexico	24,600	24,700	43,200	43,300	1,756	1,753
New York	35,500	35,500	7,300	7,200	206	203
North Carolina	48,000	47,800	8,200	8,100	171	169
North Dakota	29,800	29,900	39,100	39,100	1,312	1,308
Ohio	74,500	73,600	14,000	14,000	188	190
Oklahoma	78,000	77,200	34,200	34,000	438	440
Oregon	34,400	34,200	16,300	16,300	474	477
Pennsylvania	58,200	58,000	7,630	7,630	131	132
Rhode Island	1,240	1,240	70	70	56	56
South Carolina	24,500	24,300	5,000	5,000	204	206
South Dakota	31,000	31,000	43,300	43,300	1,397	1,397
Tennessee	66,600	65,900	10,800	10,800	162	164
Texas	241,500	240,000	129,800	129,600	537	540
Utah	18,100	18,200	11,000	11,000	608	604
Vermont	7,300	7,300	1,250	1,250	171	171
Virginia	44,800	44,300	8,100	8,100	181	183
Washington	35,900	35,700	14,700	14,700	409	412
West Virginia	20,600	20,400	3,600	3,600	175	176
Wisconsin	68,700	68,500	14,400	14,300	210	209
Wyoming	11,600	11,400	30,300	30,200	2,612	2,649
United States	2,060,000	2,048,000	911,000	910,000	442	444

¹ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-7.—Farms: Classification by tenure of operator, United States, 1935–2012

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>
1935 ¹	6,812,350	47.1	10.1	0.7	42.1
1940	6,102,417	50.6	10.1	0.6	38.8
1945 ¹	5,859,169	56.4	11.3	0.7	31.7
1950	5,388,437	57.4	15.3	0.4	26.9
1954 ¹	4,783,021	57.4	18.2	0.4	24.0
1959	3,710,503	57.1	21.9	0.6	20.5
1964	3,157,857	57.6	24.8	0.6	17.1
1969	2,730,250	62.5	24.6	.....	12.9
1974	2,314,013	61.5	27.2	.....	11.3
1978	2,257,775	57.5	30.2	.....	12.3
1982	2,240,976	59.2	29.3	.....	11.6
1987	2,087,759	59.3	29.2	.....	11.5
1992	1,925,300	57.7	31.0	.....	11.3
1997	1,911,859	60.0	30.0	.....	10.0
2002 ²	2,128,982	67.1	25.9	.....	7.0
2007 ²	2,204,792	69.0	24.6	.....	6.4
2012 ²	2,109,303	67.7	25.3	.....	7.0

¹ Excludes Alaska and Hawaii. ² The 2002 Census of Agriculture introduced new methodology to account for all farms in the United States. All 2002 published census items were reweighted for undercoverage. Strictly speaking, data for 2002 and subsequent years are not fully comparable with data from earlier years.
ERS, Resource and Rural Economics Division, (202) 694-5572. Data from the Census of Agriculture, National Agricultural Statistics Service.

Table 9-8.—Farmland Rented: Classification by tenants and part owners, United States, 1910–2012

Year	Land in farms	Land rented by tenure of operator ¹			Percentage of land rented
		Tenants	Part owners	Total	
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Percent</i>
1910	878.8	225.5	² 51.3	277.8	31.6
1920	958.7	³ 265.0	⁴ 54.7	319.7	33.3
1925	924.3	264.9	96.3	361.2	39.1
1930	990.1	307.3	125.2	432.5	43.7
1935	1,054.5	336.8	134.3	471.1	44.7
1940	1,065.1	313.2	155.9	469.1	44.0
1945	1,141.6	251.6	178.9	430.5	37.7
1950	1,161.4	212.2	196.2	408.4	35.2
1954	1,158.2	192.6	212.3	404.9	35.0
1959	1,123.0	166.8	234.1	400.9	35.7
1964	1,110.2	144.9	248.1	⁵ 393.0	35.4
1969	1,063.3	137.6	241.8	379.4	35.7
1974	1,017.0	122.3	258.4	380.7	37.4
1978	1,029.7	124.1	282.2	406.2	39.4
1982	986.2	113.6	269.9	383.5	38.9
1987	964.5	126.9	275.4	402.3	41.7
1992	945.5	122.7	282.2	404.9	42.8
1997	931.8	108.1	270.0	378.1	40.6
2002 ⁶	938.3	86.5	266.8	353.3	37.7
2007 ⁶	922.1	81.8	269.0	350.8	38.0
2012 ⁶	914.5	82.9	268.1	351.0	38.4

¹ Columns 3, 4, and 5 refer only to land rented from others and operated, so subleased land is not included. Acres of land rented are comparable in the same year, but definitions change over time. Basic sources are 1969 Census of Agriculture, table 5, p.14; 1974 Census of Agriculture, table 3, pp.1-6; 1978 Census of Agriculture, vol. 1, part 51, table 5, pp. 124-127; 1982 Census of Agriculture, vol. 1, part 51, table 48, p. 49; 1987 Census of Agriculture vol. 1 part 51, table 48, p. 49; 1992 Census of Agriculture vol. 1, part 51, table 46, p. 53; 1997 Census of Agriculture, vol. 1, part 51, chapter 1, table 46, p. 57; 2002 Census of Agriculture, vol. 1, part 51, chapter 1, table 61, p. 214; 2007 Census of Agriculture, vol. 1, part 51, chapter 1, table 65, p. 262; 2012 Census of Agriculture, vol. 1, part 51, table 70, p. 231; and earlier census volumes as noted. ² Assumes land leased by part-owners is the difference between the average size of full-owner and part-owner farms. Acreage leased by part-owners is this difference times the number of part-owners. 1910 Census of Agriculture, chapter 11, table 1 and 3, pp.97-99. ³ 1920 Census of Agriculture, vol. VI, part 1, table 5, p. 19. ⁴ Assumes same proportion of owner and part-owner as in 1910. ⁵ 1964 Census of Agriculture, vol. II, chapter 8, p.757. ⁶ The 2002 Census of Agriculture introduced new methodology to account for all farms in the United States. All 2002 published census items were reweighted for undercoverage. Strictly speaking, data for 2002 and subsequent years are not fully comparable with data from earlier years.
ERS, Resource and Rural Economics Division, (202) 694-5572. Data from the Census of Agriculture, National Agricultural Statistics Service.

Table 9-9.—Land: Utilization, by State and United States, 2012

State	Cropland			Grassland pasture	Forest land
	Used for crops	Idle	Used only for pasture		
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	2,231	415	161	2,892	22,800
Alaska	31	45	4	696	91,817
Arizona	908	142	84	43,580	13,000
Arkansas	7,466	585	184	4,127	18,544
California	8,316	780	481	26,667	16,991
Colorado	8,013	2,218	437	31,734	15,138
Connecticut	104	9	9	22	1,346
Delaware	420	11	7	18	331
Florida	2,122	452	260	5,100	15,827
Georgia	3,799	457	129	1,680	24,352
Hawaii	161	189	22	770	1,299
Idaho	4,790	789	221	18,391	16,771
Illinois	22,672	1,175	88	1,728	4,772
Indiana	12,216	414	80	1,656	4,748
Iowa	24,750	1,738	225	2,879	2,968
Kansas	25,545	2,598	449	17,781	2,402
Kentucky	5,400	641	328	4,742	11,886
Louisiana	3,497	869	218	2,275	14,645
Maine	328	55	8	159	17,191
Maryland	1,254	108	15	447	2,329
Massachusetts	130	14	5	79	2,088
Michigan	7,192	483	91	1,982	19,262
Minnesota	20,394	1,887	171	3,568	15,929
Mississippi	4,372	638	163	2,715	19,495
Missouri	13,455	1,591	580	9,792	15,085
Montana	12,522	3,181	902	47,629	18,429
Nebraska	20,442	1,090	326	23,677	1,470
Nevada	478	42	57	52,329	5,417
New Hampshire	73	18	2	116	4,341
New Jersey	403	29	16	78	1,116
New Mexico	1,183	534	231	54,344	13,278
New York	3,816	318	113	2,397	15,920
North Carolina	4,085	294	95	1,579	18,078
North Dakota	24,081	2,718	322	13,336	517
Ohio	10,190	530	109	2,144	7,864
Oklahoma	9,155	1,123	1,011	19,756	7,656
Oregon	3,522	834	308	23,863	24,116
Pennsylvania	3,952	446	119	1,287	16,242
Rhode Island	19	4	2	7	290
South Carolina	1,540	308	55	976	13,025
South Dakota	17,624	1,203	528	24,972	1,789
Tennessee	4,479	374	408	3,424	13,500
Texas	21,598	4,773	2,844	104,603	14,357
Utah	1,090	246	140	32,774	9,810
Vermont	379	19	15	305	4,476
Virginia	2,636	205	148	2,794	15,385
Washington	5,558	1,856	125	7,314	18,081
West Virginia	685	42	54	1,351	11,780
Wisconsin	9,301	607	164	2,864	16,727
Wyoming	1,523	207	256	46,086	7,002
United States ¹	339,900	39,306	12,769	655,486	631,682

¹ Distributions may not sum to totals due to rounding.
 ERS, Resource and Rural Economics Division, (202) 694-5340. See notes to Table 9-11 for definitions and data sources.
 Estimates developed for years coinciding with a Census of Agriculture.

Table 9-10.—Land in farms: Irrigated land, by State and United States, 1982–2012¹

State	1982	1987	1992	1997	2002	2007	2012
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	66	84	82	80	109	113	113
Alaska	1	2	2	3	3	4	2
Arizona	1,098	914	956	1,075	932	876	881
Arkansas	2,022	2,406	2,702	3,785	4,150	4,461	4,804
California	8,461	7,596	7,571	8,887	8,709	8,016	7,862
Colorado	3,201	3,014	3,170	3,374	2,591	2,868	2,517
Connecticut	7	7	6	8	10	10	9
Delaware	44	61	62	75	97	105	127
Florida	1,585	1,623	1,783	1,874	1,815	1,552	1,493
Georgia	575	640	725	773	871	1,018	1,125
Hawaii	146	149	134	77	69	59	82
Idaho	3,450	3,219	3,260	3,544	3,289	3,300	3,365
Illinois	166	208	328	352	391	474	522
Indiana	132	170	241	256	313	397	437
Iowa	91	92	116	133	142	190	172
Kansas	2,675	2,463	2,680	2,696	2,678	2,763	2,881
Kentucky	23	38	28	60	37	59	74
Louisiana	694	647	898	961	939	954	1,093
Maine	6	6	10	22	20	21	31
Maryland	39	51	57	69	81	93	105
Massachusetts	17	20	20	27	24	23	23
Michigan	286	315	366	407	456	500	592
Minnesota	315	354	370	403	455	506	524
Mississippi	431	637	883	1,110	1,176	1,369	1,652
Missouri	403	535	709	921	1,033	1,200	1,181
Montana	2,023	1,997	1,978	2,102	1,976	2,013	1,903
Nebraska	6,039	5,682	6,312	7,066	7,625	8,559	8,297
Nevada	830	779	556	764	747	691	688
New Hampshire	1	3	2	3	2	2	3
New Jersey	83	91	80	94	97	95	88
New Mexico	807	718	738	852	845	830	680
New York	52	51	47	74	75	68	60
North Carolina	81	138	113	156	264	232	175
North Dakota	163	168	187	183	203	236	218
Ohio	28	32	29	35	41	38	47
Oklahoma	492	478	512	509	518	535	480
Oregon	1,808	1,648	1,622	1,963	1,908	1,845	1,630
Pennsylvania	18	30	23	40	43	38	39
Rhode Island	2	4	3	3	4	4	4
South Carolina	81	81	76	89	96	132	159
South Dakota	376	362	371	367	401	374	379
Tennessee	18	38	37	47	61	81	146
Texas	5,576	4,271	4,912	5,764	5,075	5,010	4,489
Utah	1,082	1,161	1,143	1,218	1,091	1,134	1,104
Vermont	1	2	2	3	2	2	4
Virginia	43	79	62	86	99	82	69
Washington	1,638	1,519	1,641	1,787	1,823	1,736	1,634
West Virginia	1	3	3	4	2	2	2
Wisconsin	259	285	331	358	386	377	422
Wyoming	1,565	1,518	1,465	1,750	1,542	1,551	1,436
United States	49,003	46,386	49,404	56,289	55,316	56,599	55,822
Puerto Rico	42	36	46	35	43	40	52
Virgin Islands	(³)	(³)	(³)	(³)	(²)	(²)	(²)
Total	49,002	46,386	49,404	55,058	55,360	56,639	55,874

¹Distributions may not sum to totals due to rounding. ²Less than 500 acres. ³Not available.
Note: Data from the Census of Agriculture, U.S. Department of Commerce. Beginning in 1997 Census of Agriculture, U.S. Department of Agriculture. Estimates developed for years coinciding with a Census of Agriculture.
ERS, Resource and Rural Economics Division, (202) 694-5340.

Table 9-11.—Land utilization, United States, selected years, 1987–2012

Major land uses	1987	1992	1997	2002	2007	2012
	<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 ¹	331	338	349	340	335	340
Idle cropland	68	56	39	40	37	39
Cropland used for pasture ²	65	67	68	62	36	13
Grassland pasture ³	591	591	580	587	614	655
Forest land ⁴	648	648	641	651	671	632
Special uses ⁵	279	281	286	297	313	316
Urban areas ⁶	57	59	66	60	61	70
Other land ⁷	227	224	236	228	197	196
Total land area ⁸	2,265	2,263	2,263	2,264	2,264	2,260

¹ Cropland harvested, crop failure, and cultivated summer fallow. ² The 2007 and 2012 estimates declined due to a change in the methodology for determining cropland used for pasture. ³ Grassland and other nonforest pasture and range. ⁴ Excludes reserved and other forest land duplicated in parks and special uses of land. Includes forested grazing land. ⁵ Includes rural transportation areas, Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads, and farm roads and lanes. ⁶ The 2002 urban acreage estimate is not directly comparable to estimates in prior years due to a change in the definition of urban areas in the 2000 Census of Population and Housing. The apparent change in "urban" acreage between 1997 and 2002 reflects a definitional change, rather than a decline in acreage. ⁷ Miscellaneous areas such as marshes, open swamps, bare rock areas, deserts, and other uses not inventoried. ⁸ Remeasurement and increases in reservoirs account for changes in total land areas.
 ERS, Rural and Resource Economics Division, (202) 694-5340. Estimates based on reports and records of the U.S. Agriculture and Commerce Departments, and public land administering and conservation agencies. Estimates developed for years coinciding with a Census of Agriculture. See <http://www.ers.usda.gov/data-products/major-land-uses> for data and more information.

Table 9-12.—Farm real estate: Value of farmland and buildings, Region, State, and United States, 2014–2017¹

Region and State	Total value of land and buildings			
	2014	2015	2016	2017
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Northeast:				
Connecticut	4,928	4,972	4,928	4,928
Delaware	4,090	4,090	4,200	4,200
Maine	3,016	3,031	3,031	3,190
Maryland	14,007	14,140	14,332	14,332
Massachusetts	5,408	5,408	5,408	5,408
New Hampshire	2,012	2,012	2,045	2,115
New Jersey	9,216	9,360	9,216	9,216
New York	19,386	21,600	21,456	21,754
Pennsylvania	43,232	42,350	42,350	42,652
Rhode Island	959	966	966	966
Vermont	4,075	4,125	4,150	4,200
Lake:				
Michigan	46,765	48,755	47,760	47,760
Minnesota	123,025	121,730	121,730	123,025
Wisconsin	63,800	67,680	68,400	74,880
Corn Belt:				
Illinois	202,288	201,750	198,320	194,910
Indiana	102,165	105,105	105,105	102,900
Iowa	259,250	244,000	239,425	244,000
Missouri	87,730	94,805	96,220	95,475
Ohio	77,700	80,500	79,800	79,100
Northern Plains:				
Kansas	94,300	93,380	86,480	84,915
Nebraska	141,024	137,860	133,340	131,080
North Dakota	71,526	75,264	71,736	71,944
South Dakota	89,631	100,456	97,425	94,394
Appalachian:				
Kentucky	40,950	42,250	43,550	44,118
North Carolina	37,884	37,350	36,935	36,490
Tennessee	39,240	39,785	40,330	40,500
Virginia	35,424	34,992	34,830	35,235
West Virginia	9,216	9,360	9,252	9,252
Southeast:				
Alabama	23,140	23,144	24,030	24,475
Florida	49,875	51,030	51,030	53,637
Georgia	31,020	30,411	31,960	33,725
South Carolina	15,050	15,050	15,000	15,000
Delta States:				
Arkansas	39,330	42,090	42,090	43,566
Louisiana	20,826	21,700	22,475	23,250
Mississippi	25,506	26,136	26,676	26,750
Southern Plains:				
Oklahoma	54,194	58,140	61,560	64,980
Texas	240,500	252,200	254,800	271,282
Mountain:				
Arizona ²	23,922	24,125	24,226	25,335
Colorado	42,930	45,648	45,014	45,331
Idaho	27,848	29,146	29,500	30,680
Montana	51,342	53,133	53,730	54,924
Nevada ²	5,566	5,817	5,710	5,721
New Mexico ²	20,663	20,310	20,663	21,017
Utah ²	15,528	15,669	15,598	15,810
Wyoming	19,152	20,064	20,064	19,998
Pacific:				
California	186,150	196,350	200,660	220,980
Oregon	33,620	34,768	36,080	37,653
Washington	36,750	39,690	41,895	44,100
United States³	2,595,159	2,651,697	2,645,481	2,701,153

¹Total value of land and buildings is derived by multiplying average value per acre of farm real estate by the land in farms. ²Value of all land and buildings adjusted to include American Indian reservation land value. ³Excludes Alaska and Hawaii.

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Table 9-13.—Farm real estate: Average value per acre - Region, State, and United States, 2014–2017

Region and State	2014	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast:	4,930	5,020	5,010	5,050
Connecticut	11,200	11,300	11,200	11,200
Delaware	8,180	8,180	8,400	8,400
Maine	2,080	2,090	2,090	2,200
Maryland	6,900	7,000	7,060	7,060
Massachusetts	10,400	10,400	10,400	10,400
New Hampshire	4,280	4,280	4,350	4,500
New Jersey	12,800	13,000	12,800	12,800
New York	2,700	3,000	2,980	2,980
Pennsylvania	5,600	5,500	5,500	5,590
Rhode Island	13,700	13,800	13,800	13,800
Vermont	3,260	3,300	3,320	3,360
Lake:	4,640	4,740	4,730	4,890
Michigan	4,700	4,900	4,800	4,800
Minnesota	4,750	4,700	4,700	4,750
Wisconsin	4,400	4,700	4,750	5,200
Corn Belt:	6,370	6,350	6,290	6,260
Illinois	7,520	7,500	7,400	7,300
Indiana	6,950	7,150	7,150	7,000
Iowa	8,500	8,000	7,850	8,000
Missouri	3,100	3,350	3,400	3,350
Ohio	5,550	5,750	5,700	5,650
Northern Plains:	2,280	2,340	2,240	2,200
Kansas	2,050	2,030	1,880	1,850
Nebraska	3,120	3,050	2,950	2,900
North Dakota	1,820	1,920	1,830	1,840
South Dakota	2,070	2,320	2,250	2,180
Appalachian:	3,690	3,730	3,760	3,800
Kentucky	3,150	3,250	3,350	3,420
North Carolina	4,510	4,500	4,450	4,450
Tennessee	3,600	3,650	3,700	3,750
Virginia	4,320	4,320	4,300	4,350
West Virginia	2,560	2,600	2,570	2,570
Southeast:	3,630	3,670	3,730	3,870
Alabama	2,600	2,630	2,700	2,750
Florida	5,250	5,400	5,400	5,700
Georgia	3,300	3,270	3,400	3,550
South Carolina	3,010	3,010	3,000	3,000
Delta:	2,640	2,780	2,820	2,910
Arkansas	2,850	3,050	3,050	3,180
Louisiana	2,670	2,800	2,900	3,000
Mississippi	2,340	2,420	2,470	2,500
Southern Plains:	1,790	1,890	1,930	2,050
Oklahoma	1,580	1,700	1,800	1,900
Texas	1,850	1,940	1,960	2,090
Mountain:	1,070	1,100	1,110	1,130
Arizona ¹	3,740	3,780	3,800	4,100
Colorado	1,350	1,440	1,420	1,430
Idaho	2,360	2,470	2,500	2,600
Montana	860	890	900	920
Nevada ¹	1,080	1,130	1,110	1,110
New Mexico ¹	520	510	520	530
Utah ¹	2,030	2,050	2,040	2,070
Wyoming	630	660	660	660
Pacific:	4,520	4,780	4,940	5,370
California	7,300	7,700	7,900	8,700
Oregon	2,050	2,120	2,200	2,310
Washington	2,500	2,700	2,850	3,000
United States ²	2,950	3,020	3,010	3,080

¹ Excludes American Indian Reservation Land. ² Excludes Alaska and Hawaii.
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Table 9-14.—Land values, cropland and pasture: Region, State, and United States, 2014–2017

Region and State	Cropland			
	2014	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast:	5,260	5,330	5,390	5,350
Delaware	7,880	7,950	8,200	8,100
Maryland	6,470	6,470	6,530	6,530
New Jersey	13,000	13,500	13,000	13,000
New York	2,530	2,600	2,580	2,580
Pennsylvania	5,840	5,900	6,100	6,000
Other States ¹	7,020	7,090	7,090	7,200
Lake:	4,670	4,730	4,740	4,830
Michigan	4,500	4,550	4,500	4,450
Minnesota	4,870	4,800	4,750	4,800
Wisconsin	4,350	4,700	4,900	5,200
Corn Belt:	7,000	6,840	6,710	6,670
Illinois	7,700	7,650	7,450	7,350
Indiana	7,050	7,000	7,000	6,700
Iowa	8,750	8,200	8,000	8,100
Missouri	3,810	3,810	3,770	3,820
Ohio	5,650	5,850	5,800	5,780
Northern Plains:	3,090	3,130	2,960	2,830
Kansas	2,260	2,210	2,050	1,970
Nebraska	5,180	5,070	4,850	4,550
North Dakota	2,050	2,140	2,000	2,000
South Dakota	3,430	3,730	3,520	3,330
Appalachian:	3,780	3,830	3,840	3,890
Kentucky	3,550	3,720	3,770	3,850
North Carolina	4,200	4,100	3,970	3,970
Tennessee	3,400	3,470	3,600	3,640
Virginia	4,460	4,440	4,430	4,480
West Virginia	3,210	3,250	3,160	3,160
Southeast:	3,730	3,770	3,920	3,940
Alabama	2,850	2,850	2,950	3,000
Florida	6,500	6,560	6,730	6,750
Georgia	3,080	3,160	3,410	3,420
South Carolina	2,460	2,460	2,460	2,500
Delta:	2,510	2,600	2,680	2,760
Arkansas	2,540	2,630	2,710	2,790
Louisiana	2,380	2,500	2,620	2,740
Mississippi	2,570	2,620	2,680	2,720
Southern Plains:	1,630	1,770	1,820	1,930
Oklahoma	1,500	1,590	1,640	1,740
Texas	1,680	1,840	1,890	2,010
Mountain:	1,690	1,740	1,760	1,780
Arizona ²	8,320	8,320	8,300	8,400
Colorado	1,840	1,910	1,910	1,920
Idaho	3,040	3,200	3,300	3,400
Montana	987	997	1,010	1,020
Nevada ²	2,670	2,670	(D)	(D)
New Mexico ²	1,450	1,440	1,450	1,480
Utah ²	3,260	3,300	3,340	3,420
Wyoming	1,370	1,370	1,370	1,350
Pacific:	5,860	6,160	6,330	6,570
California	10,140	10,690	10,910	11,290
Oregon	2,500	2,600	2,730	2,860
Washington	2,560	2,630	2,760	2,890
United States³	4,100	4,130	4,090	4,090

See footnote(s) at end of table.

Table 9-14.—Land values, cropland and pasture: Region, State, and United States, 2014–2017—Continued

Region, State, and land type	Irrigated and Non-Irrigated Cropland			
	2014	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Corn Belt:				
Missouri all cropland	3,810	3,810	3,770	3,820
Irrigated	4,750	5,130	5,100	5,300
Non-irrigated	3,730	3,700	3,660	3,700
Northern Plains:				
Kansas all cropland	2,260	2,210	2,050	1,970
Irrigated	3,280	3,270	3,000	2,850
Non-irrigated	2,150	2,090	1,940	1,870
Nebraska all cropland	5,180	5,070	4,850	4,550
Irrigated	7,100	6,870	6,560	6,180
Non-irrigated	4,000	3,970	3,800	3,550
South Dakota all cropland	3,430	3,730	3,520	3,330
Irrigated	(D)	(D)	(D)	(D)
Non-irrigated	3,400	3,700	3,500	3,300
Southeast:				
Florida all cropland	6,500	6,560	6,730	6,750
Irrigated	7,430	7,570	7,600	7,650
Non-irrigated	5,630	5,610	5,900	5,900
Georgia all cropland	3,080	3,160	3,410	3,420
Irrigated	3,430	3,600	4,000	4,070
Non-irrigated	2,950	3,000	3,200	3,180
Delta:				
Arkansas all cropland	2,540	2,630	2,710	2,790
Irrigated	3,000	3,100	3,200	3,300
Non-irrigated	1,840	1,900	1,950	2,000
Louisiana all cropland	2,380	2,500	2,620	2,740
Irrigated	2,270	2,400	2,550	2,700
Non-irrigated	2,420	2,530	2,650	2,750
Mississippi all cropland	2,570	2,620	2,680	2,720
Irrigated	2,930	3,030	3,150	3,230
Non-irrigated	2,390	2,420	2,460	2,480
Southern Plains:				
Oklahoma all cropland	1,500	1,590	1,640	1,740
Irrigated	(D)	(D)	(D)	(D)
Non-irrigated	1,480	1,580	1,620	1,720
Texas all cropland	1,680	1,840	1,890	2,010
Irrigated	1,880	2,050	2,050	2,200
Non-irrigated	1,650	1,800	1,860	1,980
Mountain:				
Arizona all cropland ²	8,320	8,320	8,300	8,400
Irrigated	8,320	8,320	8,300	8,400
Colorado all cropland	1,840	1,910	1,910	1,920
Irrigated	4,450	4,650	4,600	4,600
Non-irrigated	1,200	1,230	1,250	1,260
Idaho all cropland	3,040	3,200	3,300	3,400
Irrigated	4,600	4,830	5,000	5,150
Non-irrigated	1,320	1,400	1,420	1,460
Montana all cropland	987	997	1,010	1,020
Irrigated	2,950	2,960	2,980	2,980
Non-irrigated	800	810	820	830
Nevada all cropland ²	2,670	2,670	(D)	(D)
Irrigated	2,670	2,670	(D)	(D)
New Mexico all cropland ²	1,450	1,440	1,450	1,480
Irrigated	3,930	3,920	3,930	3,930
Non-irrigated	390	390	390	440
Utah all cropland ²	3,260	3,300	3,340	3,420
Irrigated	5,250	5,300	5,350	5,500
Non-irrigated	1,120	1,140	1,170	1,180
Wyoming all cropland	1,370	1,370	1,370	1,350
Irrigated	2,190	2,190	2,200	2,170
Non-irrigated	780	770	770	760
Pacific:				
California all cropland	10,140	10,690	10,910	11,290
Irrigated	12,100	12,700	12,900	13,300
Non-irrigated	3,650	4,000	4,300	4,600
Oregon all cropland	2,500	2,600	2,730	2,860
Irrigated	4,140	4,360	4,650	4,850
Non-irrigated	1,900	1,950	2,020	2,120
Washington all cropland	2,560	2,630	2,760	2,890
Irrigated	7,670	7,850	8,250	8,700
Non-irrigated	1,230	1,280	1,330	1,380

See footnote(s) at end of table.

Table 9-14.—Land values, cropland and pasture: Region, State, and United States, 2014–2017—Continued

Region and State	Pasture			
	2014	2015	2016	2017
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast:	3,460	3,480	3,390	3,420
Maryland	6,000	6,000	6,100	6,100
New Jersey	13,500	13,500	12,500	12,500
New York	1,330	1,430	1,400	1,400
Pennsylvania	2,900	2,850	2,700	2,800
Other States ⁴	5,790	5,840	5,850	5,850
Lake:	1,950	2,060	2,050	2,080
Michigan	2,500	2,680	2,600	2,550
Minnesota	1,600	1,700	1,650	1,700
Wisconsin	2,150	2,250	2,300	2,350
Corn Belt:	2,360	2,440	2,420	2,380
Illinois	3,400	3,550	3,400	3,300
Indiana	2,550	2,600	2,600	2,590
Iowa	3,400	3,400	3,400	3,100
Missouri	1,850	1,950	1,930	1,970
Ohio	3,100	3,140	3,100	3,050
Northern Plains:	954	1,020	1,020	1,040
Kansas	1,300	1,390	1,290	1,280
Nebraska	900	870	910	930
North Dakota	750	850	830	850
South Dakota	860	980	1,020	1,060
Appalachian:	3,280	3,340	3,320	3,340
Kentucky	2,700	2,750	2,730	2,760
North Carolina	4,760	4,700	4,700	4,700
Tennessee	3,400	3,500	3,540	3,580
Virginia	3,930	4,000	3,930	3,930
West Virginia	2,000	2,020	2,020	2,040
Southeast:	3,790	3,790	3,900	3,910
Alabama	2,100	2,140	2,180	2,230
Florida	4,910	4,900	5,100	5,100
Georgia	3,650	3,580	3,530	3,560
South Carolina	2,900	2,940	2,940	2,940
Delta:	2,270	2,320	2,410	2,480
Arkansas	2,240	2,290	2,450	2,520
Louisiana	2,500	2,590	2,600	2,700
Mississippi	2,110	2,140	2,190	2,210
Southern Plains:	1,540	1,570	1,580	1,620
Oklahoma	1,360	1,430	1,470	1,470
Texas	1,580	1,600	1,600	1,650
Mountain:	611	614	617	625
Arizona ²	(D)	(D)	(D)	(D)
Colorado	760	760	760	760
Idaho	1,220	1,250	1,300	1,350
Montana	640	650	650	660
Nevada ²	(D)	(D)	(D)	(D)
New Mexico ²	360	340	350	360
Utah ²	1,050	1,050	1,040	1,050
Wyoming	490	510	510	510
Pacific:	1,610	1,630	1,640	1,650
California	2,700	2,700	2,700	2,700
Oregon	630	660	680	700
Washington	810	820	840	850
United States ³	1,300	1,330	1,330	1,350

(D) Withheld to avoid disclosing data for individual operations. ¹Includes: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ²Excludes American Indian Reservation land. ³Excludes Alaska and Hawaii. ⁴Other States include Connecticut, Delaware, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-15.—Cash rents, cropland and pasture: By State, 2016–2017

State	2016				2017			
	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Alabama	57.00	101.00	55.00	22.00	58.00	121.00	55.00	23.00
Arizona	222.00	222.00	.....	2.00	250.00	250.00	.....	2.30
Arkansas	104.00	128.00	47.00	20.00	106.00	132.00	43.00	18.00
California	309.00	440.00	30.00	16.00	325.00	510.00	35.00	12.00
Colorado	73.50	142.00	29.00	5.80	73.50	143.00	30.00	5.60
Connecticut .....	.....	.....	60.00	.....	.....	.....	57.00	.....
Delaware	110.00	150.00	90.00	.....	109.00	145.00	88.00	.....
Florida	102.00	227.00	50.00	15.00	123.00	259.00	50.00	15.50
Georgia	108.00	189.00	63.00	26.00	120.00	200.00	65.00	29.00
Hawaii	209.00	350.00	160.00	12.00	282.00	400.00	200.00	12.00
Idaho	168.00	225.00	61.00	13.00	160.00	215.00	58.00	12.00
Illinois	221.00	244.00	220.00	36.00	218.00	236.00	218.00	38.00
Indiana	192.00	250.00	190.00	38.00	195.00	250.00	193.00	39.00
Iowa	235.00	240.00	235.00	52.00	231.00	240.00	231.00	54.00
Kansas	64.00	129.00	56.00	19.00	64.00	128.00	56.00	19.00
Kentucky	143.00	220.00	142.00	27.00	145.00	205.00	144.00	25.00
Louisiana	84.50	100.00	72.00	18.00	88.00	104.00	71.00	17.00
Maine .....	.....	.....	53.50	.....	.....	.....	57.00	.....
Maryland	104.00	175.00	100.00	45.00	103.00	190.00	94.00	40.00
Massachusetts	71.00	212.00	53.00	.....	82.00	220.00	67.00	27.00
Michigan	127.00	220.00	120.00	30.00	123.00	225.00	115.00	28.00
Minnesota	170.00	185.00	170.00	30.00	166.00	185.00	166.00	30.00
Mississippi	116.00	140.00	84.00	18.00	119.00	143.00	83.00	18.00
Missouri	129.00	180.00	122.00	32.00	128.00	180.00	121.00	31.00
Montana	32.00	78.00	26.50	6.60	31.50	75.00	26.00	6.30
Nebraska	196.00	243.00	150.00	24.00	194.00	238.00	149.00	24.50
Nevada	135.00	135.00	.....	16.00	.....	127.00	.....	.....
New Hampshire	43.00	.....	41.00	.....	54.00	.....	50.00	.....
New Jersey	72.00	112.00	60.00	40.00	77.00	128.00	63.00	36.00
New Mexico	98.50	155.00	17.00	3.00	83.00	140.00	18.00	3.20
New York	59.00	150.00	58.00	25.00	61.00	138.00	60.00	23.00
North Carolina	83.50	102.00	83.00	27.00	88.50	105.00	88.00	26.00
North Dakota	68.00	166.00	67.00	17.00	65.00	161.00	64.00	17.00
Ohio	150.00	165.00	150.00	27.00	152.00	185.00	152.00	25.00
Oklahoma	32.00	67.00	30.00	13.50	33.00	72.00	31.00	13.00
Oregon	137.00	200.00	80.00	12.00	152.00	205.00	90.00	11.00
Pennsylvania	79.00	155.00	78.00	30.00	79.50	140.00	79.00	44.00
South Carolina	45.50	100.00	41.00	18.00	46.50	90.00	42.00	19.00
South Dakota	121.00	192.00	120.00	24.00	119.00	191.00	117.00	25.00
Tennessee	97.00	165.00	94.00	20.00	98.50	170.00	95.00	20.00
Texas	38.00	90.00	27.00	6.80	40.50	87.00	28.00	6.60
Utah	68.50	88.00	25.50	5.00	63.00	90.50	26.50	4.80
Vermont	48.50	.....	48.00	20.50	.....	.....	48.00	24.50
Virginia	57.50	105.00	55.00	20.00	60.00	105.00	58.00	20.00
Washington	195.00	345.00	72.00	9.00	198.00	350.00	73.00	8.00
West Virginia	40.00	.....	40.00	12.00	42.00	.....	42.00	12.50
Wisconsin	137.00	243.00	131.00	35.00	139.00	243.00	133.00	40.00
Wyoming	62.00	93.00	14.50	5.30	56.50	82.00	15.00	4.80

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Table 9-16.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 2013–2017

Item	2013	2014	2015	2016	2017
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Assets					
Physical assets:					
Real estate	2,251.0	2,383.2	2,395.4	2,443.4	2,469.5
Non-real estate:					
Livestock and poultry ¹	110.8	127.9	118.2	109.0	107.2
Machinery and motor vehicles ²	247.3	245.7	118.2	109.0	107.2
Crops ³	60.5	61.7	239.5	255.4	260.5
Purchased inputs	20.6	20.1	52.5	55.7	56.9
Financial	78.2	102.8	16.4	14.9	16.2
Total	2,776.1	2,949.2	2,909.7	2,956.5	2,993.1
Debt					
Liabilities:					
Real estate	185.2	196.8	208.8	226.0	238.1
Non-real estate	130.2	148.4	148.0	148.2	155.0
Total Debt ⁴	315.3	345.2	356.7	374.2	393.0
Equity	2,460.8	2,604.0	2,552.9	2,582.3	2,600.0
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Ratio:					
Debt/equity	12.8	13.3	14.0	14.5	15.1
Debt/assets	11.4	11.7	12.3	12.7	13.1

Note: Data as of August 30, 2018. ¹The U.S. total exceeds the sum of the states because NASS does not release state data for some minor producing states due to disclosure issues. Horses and mules are excluded. ²Includes only farm share value for trucks and autos. ³All non-CCC crops held on farms plus the value above loan rate for crops held under CCC. ⁴Excludes debt for nonfarm purposes.

ERS, Farm Income Team. <http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx>.

Table 9-17.—Farm labor: Number of workers on farms and average wage rates, United States, 2008–2017

Year	Hired workers ¹	Wage rate ²
	<i>Thousands</i>	<i>Dollars Per Hour</i>
2008		
Jan	594	10.81
Apr	700	10.57
July	847	10.37
Oct	813	10.72
Annual average	738.5	10.60
2009		
Jan	603	10.93
Apr	694	10.86
July	892	10.66
Oct	829	10.93
Annual average	754.5	10.83
2010		
Jan	612	11.08
Apr	746	10.82
July	885	10.79
Oct	827	11.13
Annual average	767.5	10.95
2011		
Jan	603	11.30
Apr	⁽³⁾	⁽³⁾
July	834	10.93
Oct	828	11.15
Annual average	748.8	11.07
2012		
Jan	575	11.52
Apr	748	11.41
July	906	11.36
Oct	876	11.75
Annual average	776.3	11.51
2013		
Jan	596	12.02
Apr	736	11.89
July	906	11.68
Oct	871	11.96
Annual average	777.3	11.87
2014		
Jan	540	12.23
Apr	690	12.01
July	838	11.96
Oct	782	12.12
Annual average	712.5	12.07
2015		
Jan	549	12.53
Apr	687	12.28
July	872	12.47
Oct	841	12.82
Annual average	737.3	12.54
2016		
Jan	582	12.83
Apr	703	12.75
July	840	13.02
Oct	798	13.25
Annual average	730.8	12.98
2017		
Jan	533	13.43
Apr	673	13.23
July	879	13.23
Oct	840	13.42
Annual average	731.3	13.32

¹Includes all workers, other than agricultural service workers, who were paid for at least one hour of agricultural work on a farm or ranch during the survey week. ²Applies to hired workers only (excludes pay for agricultural service workers). ³The Agricultural (Farm) Labor Survey was not conducted for this quarter.
 NASS, Economic, Environmental and Demographics Branch, (202) 720-6146.

Table 9-18.—Farm labor: Number of hired workers on farms and average wage rates, by regions and United States, 2017¹

Region ²	Workers on farms	Farm wage rates			
	Hired	Type of worker			All hired workers ³
		Field	Livestock	Field and livestock	
	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>January 8–14, 2017</i>					
Northeast I	20	13.80	11.65	12.70	13.95
Northeast II	31	12.53	11.66	12.10	13.39
Appalachian I	18	12.19	11.35	11.85	13.01
Appalachian II	19	10.86	11.63	11.25	12.26
Southeast	31	11.03	11.08	11.05	11.70
Florida	45	11.05	12.35	11.15	12.17
Lake	36	12.98	12.78	12.85	13.60
Cormbelt I	29	12.76	13.29	13.00	13.92
Cormbelt II	15	13.08	13.92	13.55	13.82
Delta	17	11.30	11.16	11.25	11.72
Northern Plains	27	14.76	12.77	13.50	14.13
Southern Plains	36	11.31	12.93	12.20	13.02
Mountain I	15	12.00	12.97	12.75	13.75
Mountain II	11	11.49	11.91	11.75	12.55
Mountain III	17	10.85	10.99	10.90	11.72
Pacific	35	12.69	14.69	13.05	14.36
California	125	12.45	13.95	12.82	14.32
Hawaii	6	13.65	16.60	13.89	16.32
United States	533	12.15	12.66	12.35	13.43
<i>April 9–15, 2017</i>					
Northeast I	32	13.43	12.02	12.90	13.96
Northeast II	40	12.09	11.85	12.00	12.98
Appalachian I	24	11.69	11.71	11.70	12.53
Appalachian II	24	11.49	11.40	11.45	12.17
Southeast	38	10.55	11.21	10.75	11.33
Florida	45	11.10	12.45	11.20	12.31
Lake	46	12.58	12.83	12.70	13.35
Cormbelt I	36	13.17	13.25	13.20	14.04
Cormbelt II	18	12.60	13.95	13.15	13.41
Delta	30	10.73	11.03	10.80	11.10
Northern Plains	32	14.81	12.47	13.55	14.02
Southern Plains	45	11.54	12.87	12.20	12.95
Mountain I	27	11.60	12.59	12.05	12.74
Mountain II	14	11.48	11.62	11.55	12.29
Mountain III	17	10.62	11.04	10.75	11.44
Pacific	53	12.87	14.37	13.05	13.89
California	146	12.80	13.55	12.96	14.29
Hawaii	6	14.00	16.90	14.24	16.65
United States	673	12.22	12.53	12.32	13.23

See footnote(s) at end of table.

Table 9-18.—Farm labor: Number of hired workers on farms and average wage rates, by regions and United States, 2017¹—Continued

Region ²	Workers on farms		Type of worker		
	Hired	Field	Livestock	Field and livestock	All hired workers ³
	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>July 9–15, 2017</i>					
Northeast I	44	12.77	12.35	12.60	13.49
Northeast II	52	12.20	11.02	11.85	12.47
Appalachian I	42	11.19	10.99	11.15	11.59
Appalachian II	28	11.14	10.91	11.05	11.87
Southeast	39	10.78	11.26	10.90	11.47
Florida	27	11.40	12.25	11.58	13.38
Lake	62	12.47	13.28	12.80	13.63
Cormbelt I	44	12.59	13.05	12.75	13.40
Cormbelt II	23	13.49	13.26	13.40	13.98
Delta	34	10.43	11.21	10.60	11.09
Northern Plains	36	13.83	12.89	13.40	13.94
Southern Plains	59	11.58	11.61	11.60	12.16
Mountain I	38	11.18	11.22	11.20	11.74
Mountain II	30	9.79	10.74	10.15	10.90
Mountain III	19	10.08	9.84	10.00	10.80
Pacific	118	14.39	13.83	14.35	14.69
California	178	13.25	14.20	13.39	14.58
Hawaii	6	14.45	16.90	14.76	16.46
United States	879	12.57	12.21	12.47	13.23
<i>October 8–14, 2017</i>					
Northeast I	45	13.49	12.33	13.05	13.82
Northeast II	45	12.91	11.01	12.30	13.08
Appalachian I	39	11.61	11.04	11.50	11.96
Appalachian II	30	11.23	10.91	11.10	11.84
Southeast	38	11.04	11.55	11.15	11.73
Florida	30	11.30	11.80	11.39	13.00
Lake	55	13.87	13.55	13.75	14.45
Cormbelt I	47	12.95	12.64	12.85	13.42
Cormbelt II	29	13.83	12.95	13.55	14.04
Delta	38	10.49	11.07	10.60	11.02
Northern Plains	40	14.93	12.76	14.00	14.53
Southern Plains	56	11.59	11.87	11.75	12.32
Mountain I	36	11.50	11.19	11.35	12.00
Mountain II	27	10.17	10.91	10.45	11.25
Mountain III	20	10.28	10.33	10.30	10.97
Pacific	93	14.76	14.13	14.70	15.08
California	166	13.25	14.10	13.37	14.59
Hawaii	6	14.20	16.65	14.51	16.22
United States	840	12.83	12.22	12.66	13.42

¹Includes all workers, other than agricultural service workers, who were paid for at least one hour of agricultural work on a farm or ranch during the survey week. ²Multi-state regions consist of the following: Northeast I: Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont; Northeast II: Delaware, Maryland, New Jersey, Pennsylvania; Appalachian I: North Carolina, Virginia; Appalachian II: Kentucky, Tennessee, West Virginia; Southeast: Alabama, Georgia, South Carolina; Lake: Michigan, Minnesota, Wisconsin; Cormbelt I: Illinois, Indiana, Ohio; Cormbelt II: Iowa, Missouri; Delta: Arkansas, Louisiana, Mississippi; Northern Plains: Kansas, Nebraska, North Dakota, South Dakota; Southern Plains: Oklahoma, Texas; Mountain I: Idaho, Montana, Wyoming; Mountain II: Colorado, Nevada, Utah; Mountain III: Arizona, New Mexico; Pacific: Oregon, Washington. ³Includes field workers, livestock workers, supervisors, and others, excluding agricultural service workers.

Table 9-19.—Farm production and output: Indices of farm output, by groups, United States, 2006–2015
[2005=1]

Year	Total farm output	Livestock and products			
		All livestock and products ¹	Meat animals ²	Dairy products ³	Poultry and eggs ⁴
2006	1.0072	1.0203	1.0085	1.0277	1.0307
2007	1.0255	1.0238	1.0212	1.0496	1.0392
2008	1.0330	1.0402	1.0221	1.0744	1.0789
2009	1.0450	1.0171	1.0158	1.0703	1.0311
2010	1.0278	1.0299	1.0141	1.0913	1.0472
2011	1.0280	1.0461	1.0449	1.1106	1.0691
2012	1.0234	1.0549	1.0390	1.1356	1.0465
2013	1.0990	1.0603	1.0358	1.1389	1.0595
2014	1.0886	1.0307	1.0525	1.1664	1.0728
2015	1.0863	1.0584	1.0971	1.1810	1.0874
Year	Crops				
	All crops	Food Grains	Feed crops	Oil crops ⁵	Vegetables and melons
2006	0.9842	0.8626	0.9386	1.0054	0.9894
2007	1.0223	0.9613	1.0995	0.8585	0.9887
2008	1.0129	1.1492	1.0467	0.9417	0.8196
2009	1.0376	1.0475	1.0996	1.0547	0.8156
2010	1.0307	1.0560	1.0519	1.0506	0.8139
2011	0.9896	0.9389	1.0119	0.9791	0.7961
2012	0.9496	1.0539	0.9098	0.9729	0.8258
2013	1.0654	0.9999	1.1284	1.0670	0.8108
2014	1.0796	0.9872	1.1640	1.2150	0.8143
2015	1.0620	0.9744	1.1316	1.2417	0.8125
Year	Crops			Secondary output ⁵	
	Fruits and nuts	Other crops			
2006	1.0921	1.0130		1.1031	
2007	1.1722	0.9676		1.0492	
2008	1.1494	0.9631		1.1493	
2009	1.1814	0.9172		1.2175	
2010	1.1936	0.9602		0.9796	
2011	1.2427	0.9077		1.2518	
2012	1.2469	0.8658		1.5051	
2013	1.3004	0.9161		1.5677	
2014	1.2703	0.7915		1.4633	
2015	1.2214	0.7717		1.4032	

¹Includes wool, mohair, horses, mules, honey, beeswax, bees, goats, rabbits, aquaculture, and fur animals. These items are not included in the separate groups of livestock and products shown. ²Cattle and calves, sheep and lambs, and hogs. ³Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. ⁴Chicken eggs, commercial broilers, chickens, and turkeys. ⁵These activities are defined as activities closely linked to agriculture for which information on production and input use cannot be separately observed.

ERS, Structural, Technology, and Productivity Branch, (202) 694-5460.

Table 9-20.—Hired farmworkers: Number of Workers and Median Weekly Earnings, 2015–2017¹

Characteristics	Workers			Median Weekly Earnings ²		
	2015	2016	2017	2015	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
All workers	877	925	964	440	481	500
15–19 years old	65	74	69	192	204	300
20–24 years old	88	95	104	368	480	442
25–34 years old	226	221	216	462	559	560
35–44 years old	192	196	199	441	500	520
45–54 years old	157	189	192	464	518	550
55 years old and older	148	150	185	450	480	600
Male	701	741	776	461	520	554
Female	176	184	189	360	400	430
White ³	410	436	456	480	550	600
Black and other races ³	46	39	50	*	*	*
Hispanic	421	450	459	420	480	480
Schooling completed						
Less than 5th grade	68	66	51	420	450	464
5th–8th grade	162	160	175	400	400	461
9th–12th grade (no diploma) ..	171	175	165	400	416	450
High school diploma	256	291	318	440	536	560
Beyond high school	220	233	255	600	610	650
Full-time (35 or more hours per week) ⁴	734	789	836	480	538	574
Part-time (less than 35 hours per week) ⁴	140	135	126	208	200	240

¹ Insufficient number of reports to publish data. ² Represents annual average number of persons 15 years old and over in the civilian noninstitutional population who were employed as hired farm managers, supervisors, or laborers. Employment estimates based on 12 monthly Current Population Survey microdata files. Earnings estimates based on 12 monthly Current Population Survey Outgoing Rotation Group microdata files. ³ "Median weekly earnings" is the earnings value that divides farmworkers into two equal-sized groups, one group having earnings above the median and the other group having earnings below the median. "Earnings" refers to the weekly earnings the farmworker usually earns at a farmwork job, before deductions, and includes any overtime pay or commissions. ⁴ Excludes persons of Hispanic origin. ⁵ The sum of full-time and part-time workers will not equal the total because usual hours worked varies for some individuals. ERS, Rural Economy Branch, (202) 694–5416.

Table 9-21.—Crops: Area, United States, 2008–2017

Year	Principal crops				Commercial vegetables, harvested area	Fruits and nuts, bearing area ⁴
	Area harvested			Area planted total ³		
	Feed grains ¹	Food grains ²	Total ³			
	<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>
2008	91,071	59,298	309,225	325,632	2,935.3	3,987.1
2009	89,446	53,195	301,172	319,022	2,946.6	4,050.5
2010	89,984	50,768	303,619	315,414	2,827.2	4,091.5
2011	90,940	48,543	292,652	314,343	2,682.0	4,132.6
2012	96,639	51,687	306,855	324,304	2,762.0	4,113.1
2013	98,085	48,079	303,717	324,869	2,681.2	4,259.1
2014	93,069	49,576	308,243	326,436	2,669.1	4,300.0
2015	93,038	50,268	304,706	318,975	2,637.1	4,361.3
2016	96,457	47,361	306,085	319,238	2,581.2	4,741.7
2017	90,503	40,246	303,015	319,148	2,482.1	4,757.1

¹ Corn for grain, oats, barley, and sorghum for grain. ² Wheat, rye, and rice. ³ Crops included in area planted and area harvested are corn, sorghum, oats, barley, winter wheat, rye, durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, cotton, dry edible beans, potatoes, canola, proso millet, and sugarbeets. Harvested acreage for all hay, tobacco, and sugarcane are used in computing total area planted. ⁴ Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, lemons, grapefruit, lemons and tangelos; area is for the year of harvest; deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit, olives, avocados, papayas, dates, berries, guavas, cranberries, pineapples (discontinued as of 2007 crop) and strawberries; nuts—almonds, hazelnuts, macadamias, pistachios, and walnuts. NASS, Crops Branch, (202) 720–2127.

Table 9-22.—Crops: Area harvested and yield, United States, 2016–2017

Crop	Area harvested		Yield per acre		
	2016	2017	Unit	2016	2017
	1,000 acres	1,000 acres			
Grains and hay:					
Barley	2,565	1,954	Bushels	77.9	72.6
Corn for grain	86,748	82,703	Bushels	174.6	176.6
Corn for silage	6,186	6,434	Tons	20.3	19.9
Hay, all	53,481	53,784	Tons	2.52	2.44
Alfalfa	16,885	16,563	Tons	3.45	3.32
All other	36,596	37,221	Tons	2.10	2.05
Oats	981	801	Bushels	66.0	61.7
Proso millet	413	404	Bushels	30.4	36.1
Rice	3,097	2,374	Pounds	7,237	7,507
Rye	414	286	Bushels	32.5	33.9
Sorghum for grain	6,163	5,045	Bushels	77.9	72.1
Sorghum for silage	298	284	Tons	14.0	13.3
Wheat, all	43,850	37,586	Bushels	52.7	46.3
Winter	30,237	25,291	Bushels	55.3	50.2
Durum	2,360	2,136	Bushels	44.0	25.7
Other spring	11,253	10,159	Bushels	47.3	41.0
Oilseeds:					
Canola	1,691.7	2,002.0	Pounds	1,824	1,558
Cottonseed	(X)	(X)	Tons	(X)	(X)
Flaxseed	366	272	Bushels	23.7	14.1
Mustard Seed	98.2	95.4	Pounds	980	632
Peanuts	1,536.0	1,775.6	Pounds	3,634	4,074
Rapeseed	10.5	9.7	Pounds	1,840	2,139
Safflower	152.7	143.2	Pounds	1,432	1,256
Soybeans for beans	82,696	89,522	Bushels	52.0	49.1
Sunflower	1,532.0	1,344.7	Pounds	1,731	1,613
Cotton, tobacco and sugar crops:					
Cotton, all	9,507.8	11,100.4	Pounds	867	905
Upland	9,320.0	10,850.0	Pounds	855	895
American Pima	187.8	250.4	Pounds	1,454	1,341
Sugarbeets	1,126.4	1,114.1	Tons	32.8	31.7
Sugarcane	903.1	904.1	Tons	35.6	36.8
Tobacco	319.7	321.5	Pounds	1,967	2,209
Dry beans, peas and lentils:					
Austrian winter peas	27.0	9.4	Cwt	1,700	1,330
Dry edible beans	1,558.1	2,012.7	Cwt	1,842	1,781
Chickpeas, all	320.0	599.3	Cwt	1,702	1,152
Large	209.2	424.5	Cwt	1,677	1,165
Small	110.8	174.8	Cwt	1,749	1,121
Dry edible peas	1,330.8	1,050.5	Cwt	2,086	1,350
Lentils	905.0	1,022.0	Cwt	1,414	732
Wrinkled seed peas	(NA)	(NA)	Cwt	(NA)	(NA)
Potatoes and miscellaneous:					
Hops	50.9	53.3	Pounds	1,713	1,959
Maple Syrup	(NA)	(NA)	Pounds	(NA)	(NA)
Mushrooms	(NA)	(NA)	Pounds	(NA)	(NA)
Peppermint oil	63.6	60.4	Pounds	90	96
Potatoes, all	1,018.3	1,025.5	Cwt	433	430
Spring	48.0	57.7	Cwt	316	343
Summer	60.7	65.5	Cwt	323	331
Fall	909.6	902.3	Cwt	447	443
Spearmint oil	24.5	22.3	Pounds	131	125
Sweet potatoes	163.3	159.3	Cwt	193	224
Taro (Hawaii)	0.3	0.4	Pounds	11,300	10,530

(NA) Not available. (X) Not applicable.
NASS, Crops Branch, (202) 720-2127.

Table 9-23.—Crops: Production and value, United States, 2016–2017

Crop	Production			Value of production	
	Unit	2016	2017	2016	2017
		<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Grains and hay:					
Barley	Bushels	199,914	141,923	949,876	614,256
Corn for grain	Bushels	15,148,038	14,604,067	51,304,297	48,465,485
Corn for silage	Bushels	125,670	128,356	.....	.....
Hay, all	Tons	134,995	131,455	15,552,186	16,155,081
Alfalfa	Tons	58,263	55,068	7,449,113	7,870,454
All other	Tons	76,732	76,387	8,103,073	8,284,627
Oats	Bushels	64,770	49,391	154,150	139,652
Proso millet	Bushels	12,558	14,567	36,065	44,575
Rice	Cwt	224,145	178,228	2,384,690	2,246,483
Rye	Bushels	13,451	9,696	68,913	46,098
Sorghum for grain	Bushels	480,261	363,832	1,352,438	1,175,125
Sorghum for silage	Bushels	4,171	3,772	.....	.....
Wheat, all	Bushels	2,308,723	1,740,582	9,179,424	8,142,065
Winter	Bushels	1,672,582	1,269,437	6,114,587	5,395,445
Durum	Bushels	103,914	54,909	608,093	356,833
Other Spring	Bushels	532,227	416,236	2,456,744	2,389,787
Oilseeds:					
Canola	Pounds	3,086,340	3,118,680	510,098	532,654
Cottonseed	Tons	5,369.0	6,422.0	1,055,924	948,722
Flaxseed	Bushels	8,656	3,842	69,352	35,393
Mustard Seed	Pounds	96,270	60,250	31,474	19,686
Peanuts	Pounds	5,581,570	7,233,600	1,088,165	1,638,095
Rapeseed	Pounds	19,320	20,750	4,867	4,150
Safflower	Pounds	218,625	179,896	45,170	33,419
Soybeans for beans	Bushels	4,296,086	4,391,553	40,690,798	41,007,464
Sunflower	Pounds	2,651,635	2,168,737	464,015	389,168
Cotton, tobacco and sugar crops:					
Cotton, all	Bales	17,169.9	20,922.5	5,813,774	7,227,322
Upland	Bales	16,601.0	20,233.0	5,438,535	6,745,186
American Pima	Bales	568.9	699.5	375,239	482,136
Sugarbeets	Tons	36,920	35,325	1,311,851	1,454,786
Sugarcane	Tons	32,118	33,238	1,043,953	1,025,524
Tobacco	Pounds	628,720	710,161	1,262,087	1,469,307
Dry Beans, peas and lentils:					
Austrian winter peas	Cwt	459	125	8,841	1,906
Dry edible beans	Cwt	28,703	35,845	863,431	1,013,006
Chickpeas, all	Cwt	5,447	6,905	149,869	202,480
Large	Cwt	3,509	4,945	98,952	151,278
Small	Cwt	1,938	1,960	50,917	51,202
Dry edible peas	Cwt	27,762	14,177	304,660	170,489
Lentils	Cwt	12,794	7,482	366,564	197,195
Wrinkled seed peas	Cwt	439	357	13,191	11,548
Potatoes and miscellaneous:					
Hops	Pounds	87,139.6	104,366.0	498,420	617,836
Maple Syrup	Gallons	4,207	4,271	147,208	140,777
Mushrooms	Pounds	943,414	928,605	1,191,317	1,222,021
Peppermint oil	Pounds	5,715	5,778	119,604	105,908
Potatoes, all	Cwt	441,411	441,307	4,009,220	4,560,790
Spring	Cwt	15,171	19,790	.....	.....
Summer	Cwt	19,602	21,679	.....	.....
Fall	Cwt	406,638	399,838	.....	.....
Spearmint oil	Pounds	3,208	2,796	55,378	45,336
Sweet potatoes	Cwt	31,546	35,646	651,514	732,926
Taro (Hawaii)	Pounds	3,503	3,686	2,312	2,580

NASS, Crops Branch, (202) 720-2127.

Table 9-24.—Fruits and nuts: Bearing acreage and yield, United States, 2016–2017

Crop	Bearing acreage		Yield per acre		
	2016	2017	Unit	2016	2017
	Acres	Acres			
Noncitrus fruits:					
Apples	324,100	323,000	Tons	17.60	17.70
Apricots	9,700	10,000	Tons	6.60	4.57
Avocados	57,330	56,580	Tons	2.40	2.59
Bananas (Hawaii) ¹	700	600	Tons	4.00	5.55
Blackberries (Oregon) ^{1 2}	7,000	6,300	Tons	4.15	3.19
Blueberries Cultivated ¹	92,800	84,600	Tons	3.17	3.05
Blueberries Wild (Maine) ³	23,100	17,000	Tons	2.20	1.99
Boysenberries (Oregon) ¹	340	270	Tons	3.16	3.04
Cherries, Sweet	91,700	92,300	Tons	3.82	4.74
Cherries, Tart	37,400	36,000	Tons	4.40	3.61
Coffee (Hawaii)	7,000	7,200	Tons	2.09	1.77
Cranberries	41,500	39,700	Tons	11.50	10.50
Dates	12,300	13,400	Tons	3.04	3.23
Figs (California)	6,500	6,400	Tons	5.03	4.88
Grapes	1,013,000	1,000,700	Tons	7.60	7.36
Kiwifruit (California)	3,700	4,400	Tons	7.65	7.64
Nectarines	20,200	19,200	Tons	8.31	8.22
Olives (California)	37,000	36,000	Tons	4.46	5.34
Papayas (Hawaii) ¹	1,300	1,700	Tons	7.60	7.55
Peaches	94,070	92,750	Tons	8.46	7.51
Pears	46,300	46,400	Tons	16.00	15.90
Plums (California)	18,700	18,000	Tons	7.25	7.83
Prunes (California)	45,000	45,000	Tons	3.48	7.23
Raspberries ¹	20,360	20,440	Tons	6.60	5.70
Strawberries ¹	53,060	52,700	Tons	29.79	30.35
Tree nuts:					
Almonds (California) ⁴	940,000	1,000,000	Tons	1.91	1.89
Hazelnuts (Oregon) ⁴	37,000	37,000	Tons	1.19	0.86
Macadamia (Hawaii) ⁴	16,000	16,000	Tons	1.32	1.53
Pecans ^{1 4}	392,700	377,500	Tons	0.34	0.39
Pistachios (California) ⁴	239,000	250,000	Tons	1.88	1.20
Walnuts (California) ⁴	315,000	335,000	Tons	2.19	1.88
Citrus fruits:					
Grapefruit ⁵	64,100	59,600	Boxes	303	285
Lemons ⁵	54,500	54,300	Boxes	415	406
Oranges ⁵	551,400	527,500	Boxes	257	225
Tangelos (Florida) ⁵	2,500	(NA)	Boxes	156	(NA)
Tangerines and Mandarins ⁵	65,300	68,400	Boxes	354	372

(NA) Not available. ¹Harvested acreage. Yield based on utilized production. ²Cultivated. ³Bearing acreage and yield not estimated. ⁴Yield based on in-shell basis. ⁵Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the year of harvest.

NASS, Crops Branch, (202) 720-2127.

Table 9-25.—Fruits and nuts: Production and value, United States, 2016–2017

Crop	Total production		Value of utilized production	
	2016	2017	2016	2017
	1,000 tons ¹	1,000 tons ¹	1,000 dollars	1,000 dollars
Noncitrus fruits:				
Apples	5,688.8	5,703.0	3,460,017	3,549,683
Apricots	64.1	45.7	57,402	44,556
Avocados	137.6	146.3	371,351	392,153
Bananas (Hawaii) ²	2.8	3.3	5,592	6,028
Blackberries (Oregon)	29.2	20.1	26,387	31,115
Blueberries Cultivated	296.8	260.8	720,160	821,814
Blueberries Wild (Maine)	50.9	33.9	27,679	17,561
Boysenberries (Oregon)	1.1	0.8	1,345	1,393
Cherries, Sweet	350.2	437.6	773,021	891,652
Cherries, Tart	164.7	129.8	87,335	56,868
Coffee	14.6	12.7	48,856	43,774
Cranberries	481.4	418.6	292,292	251,285
Dates	37.3	43.3	75,156	150,959
Figs (California)	32.7	31.2	29,779	28,568
Grapes	7,697.0	7,363.3	6,294,150	6,460,265
Kiwifruit (California)	28.3	33.6	44,431	34,860
Nectarines	168.0	157.9	148,465	143,007
Olives (California)	164.9	192.3	141,761	186,649
Papayas (Hawaii) ²	9.9	12.8	9,713	9,400
Peaches	795.6	696.7	628,672	599,330
Pears	738.8	737.5	485,763	519,290
Plums (California)	135.5	141.0	109,354	138,690
Prunes (California)	156.6	325.5	117,720	206,850
Raspberries	135.0	117.0	405,548	516,667
Strawberries ³	1,580.5	1,599.6	3,503,415	3,486,649
Tree Nuts:				
Almonds, shelled (California) ⁴	(NA)	(NA)	5,052,460	5,603,950
Hazelnuts, in-shell (Oregon)	(NA)	(NA)	118,800	73,600
Macadamia, in-shell (Hawaii)	(NA)	(NA)	42,000	53,900
Pecans, in-shell	(NA)	(NA)	696,806	684,348
Pistachios, in-shell (California)	(NA)	(NA)	1,506,120	1,014,507
Walnuts, in-shell (California)	(NA)	(NA)	1,274,650	1,593,900
Citrus fruits ^{2 3}:				
Grapefruit	803	698	254,318	256,917
Lemons	904	882	755,086	763,446
Oranges	6,088	5,088	1,927,270	1,943,678
Tangelos (Florida)	18	(NA)	8,784	(NA)
Tangerines and mandarins	935	1,029	490,217	568,084

(NA) Not available. ¹ Tons refers to the 2,000 lb. short Tons. ² Only utilized production estimated. ³ Value of production is packinghouse-door equivalent. ⁴ Value is based on the edible portion of the crop only.
 NASS, Crops Branch, (202) 720-2127.

Table 9-26.—Vegetables, commercial: Area harvested and yield, United States, 2016–2017

Crop	Total area harvested		Total yield per harvested acre		
	2016	2017	Unit	2016	2017
	Acres	Acres			
Fresh market:					
Artichokes	6,800	7,200	Cwt	145.0	130.0
Asparagus	23,700	23,300	Cwt	31.4	28.8
Beans, lima	25,300	25,400	Cwt	30.0	28.4
Beans, snap	236,000	214,600	Cwt	84.7	84.0
Broccoli	131,300	129,400	Cwt	171.1	157.6
Cabbage	57,600	59,600	Cwt	400.1	394.1
Cantaloups	58,000	57,050	Cwt	410.7	242.3
Carrots	76,700	74,400	Cwt	258.2	407.5
Cauliflower	40,000	42,200	Cwt	179.4	199.4
Celery	29,900	25,100	Cwt	581.0	622.8
Corn, sweet	494,200	483,100	Cwt	152.9	164.1
Cucumbers	119,800	123,600	Cwt	150.3	161.2
Garlic	30,100	33,000	Cwt	150.0	155.0
Honeydews	12,100	11,600	Cwt	325.0	290.0
Lettuce					
Head	121,300	122,700	Cwt	376.3	349.0
Leaf	59,300	54,100	Cwt	224.0	203.5
Romaine	93,200	99,700	Cwt	322.8	308.4
Onions	135,700	138,000	Cwt	540.8	532.3
Pea, green	141,600	119,700	Cwt	44.3	44.8
Peppers, bell	43,700	43,300	Cwt	332.2	339.9
Peppers, chile	20,000	18,900	Cwt	235.6	223.9
Pumpkins	71,400	69,340	Cwt	235.2	225.8
Spinach	53,700	53,030	Cwt	149.6	138.0
Squash	35,900	34,400	Cwt	167.5	169.1
Tomatoes	351,500	311,500	Cwt	811.4	788.7
Watermelons	112,400	107,900	Cwt	353.6	376.4

NASS, Crops Branch, (202) 720-2127.

Table 9-27.—Vegetables, commercial: Production and value, United States, 2016–2017

Crop	Total production			Total value of utilized production	
	Unit	2016	2017	2016	2017
		<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Artichokes	Cwt	986.0	936.0	77,697	65,520
Asparagus	Cwt	745.2	671.2	80,496	73,127
Beans, lima	Cwt	757.9	720.7	21,056	20,877
Beans, snap	Cwt	19,985.0	18,031.8	399,415	337,777
Broccoli	Cwt	22,466.0	20,392.0	846,595	926,165
Cabbage	Cwt	23,048.0	23,490.5	455,838	428,724
Cantaloups	Cwt	14,973.3	13,822.3	257,517	267,305
Carrots	Cwt	31,503.0	30,319.0	784,176	690,925
Cauliflower	Cwt	7,177.5	8,414.0	398,094	386,951
Celery	Cwt	17,372.0	15,631.5	314,786	314,742
Corn, sweet	Cwt	75,560.1	79,265.7	892,301	931,631
Cucumbers	Cwt	18,002.9	19,927.8	359,945	410,747
Garlic	Cwt	4,515.0	5,115.0	333,905	390,021
Honeydews	Cwt	3,932.5	3,364.0	75,111	94,192
Lettuce					
Head	Cwt	45,651.0	42,825.5	1,246,761	1,560,340
Leaf	Cwt	13,286.0	11,012.0	620,620	673,015
Romaine	Cwt	30,086.0	30,750.0	918,178	1,399,032
Onions	Cwt	73,391.5	73,460.0	954,253	971,236
Pea, green	Cwt	6,273.5	5,366.9	85,772	75,992
Peppers, bell	Cwt	14,519.0	14,717.0	482,366	641,521
Peppers, chile	Cwt	4,712.1	4,232.5	163,255	142,909
Pumpkins	Cwt	16,792.5	15,660.2	221,019	185,764
Spinach	Cwt	8,034.5	7,320.6	350,673	400,921
Squash	Cwt	6,011.6	5,817.6	155,736	178,469
Tomatoes	Cwt	285,220.7	245,690.0	2,035,030	1,674,174
Watermelons	Cwt	39,748.0	40,617.0	548,645	595,618

NASS, Crops Branch, (202) 720-2127.

Table 9-28.—Livestock and livestock products: Production and value, United States, 2015–2017

Product	Production ¹			Value of production		
	2015	2016	2017	2015	2016	2017
	<i>Millions</i>	<i>Millions</i>	<i>Millions</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Eggs	97,208	102,113	105,689	13,608,194	6,514,074	7,551,021
	<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	41,339,613	42,691,563	44,597,831	59,835,760	48,563,880	50,220,387
Hogs	34,855,829	35,951,220	37,054,619	18,877,308	17,382,854	19,218,436
Broilers ²	53,376,200	54,259,100	55,569,300	28,716,398	25,935,852	30,229,700
Mature chickens	996,588	1,057,350	991,979	103,206	87,423	46,674
Turkeys ³	7,038,136	7,486,978	7,494,651	5,707,928	6,184,247	4,841,545
Milk	208,597,000	212,405,000	215,466,000	35,904,346	34,704,326	38,114,004
Catfish ^{3,4}	328,643	331,227	341,357	363,073	385,788	378,650
Trout ^{3,4}	60,004	60,933	55,308	104,393	104,983	109,368
Honey	156,544	161,882	147,638	326,081	343,028	318,308
Wool (shorn)	27,015	26,050	24,700	39,205	37,721	36,424
Mohair	765	800	725	4,052	3,650	3,622

¹For 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. Estimates for broilers and eggs cover the 12-month period Dec. 1, previous year through Nov. 30. ²Young chickens of meat-type strains raised for meat production. ³Live weight. ⁴Value of fish sold, excludes eggs.

NASS, Livestock Branch, (202) 720-3570.

Table 9-29.—Total farm input: Indices of farm input, by major subgroups, United States, 2006–2015
[2005=1]

Year	Total farm input	Capital					Labor		
		All	Durable equipment	Service buildings	Land	Inventories	All	Hired labor	Self-employed
2006 ...	0.9983	1.0035	1.0249	0.9830	0.9934	0.9973	0.9293	0.9157	0.9363
2007 ...	1.0484	0.9946	1.0249	0.9643	0.9865	0.9719	0.9492	1.0013	0.9228
2008 ...	1.0186	0.9952	1.0390	0.9474	0.9794	0.9777	0.9309	0.9647	0.9137
2009 ...	0.9950	1.0044	1.0766	0.9364	0.9724	0.9708	0.9061	0.9387	0.8895
2010 ...	0.9889	1.0033	1.0773	0.9223	1.0355	0.9224	0.9024	1.0093	0.8491
2011 ...	0.9893	1.0017	1.0862	0.9049	1.0280	0.8353	0.9039	0.9933	0.8593
2012 ...	0.9882	1.0064	1.1233	0.8955	1.0202	0.8209	0.8968	0.9956	0.8475
2013 ...	1.0026	1.0480	1.1959	0.8849	1.0131	0.7292	0.9048	1.0318	0.8415
2014 ...	1.0567	1.0578	1.2682	0.8802	1.0065	0.7624	0.8664	1.0291	0.7853
2015 ...	1.0648	1.0671	1.3264	0.8746	1.0000	0.7758	0.9619	1.0691	0.9085

Year	Intermediate Goods						
	All	Feed and seed	Energy	Fertilizer and lime	Pesticides	Purchased services	Other intermediate input
2006 ...	1.0292	1.0057	0.9629	1.1189	1.0638	1.0508	1.0147
2007 ...	1.1136	1.0393	1.1054	1.1730	1.3309	1.1654	1.0778
2008 ...	1.0677	1.0262	1.0052	1.1257	1.2834	1.0792	1.0984
2009 ...	1.0337	1.0220	1.2975	0.8555	1.1734	1.0015	1.0426
2010 ...	1.0257	1.0319	1.0551	0.9931	1.1479	0.9777	1.0020
2011 ...	1.0269	0.9841	0.9923	1.0127	1.7226	1.0000	0.9732
2012 ...	1.0248	0.9713	0.5750	1.1754	2.0188	1.0856	1.3047
2013 ...	1.0281	0.9613	0.6165	1.3630	2.0843	1.0183	1.2225
2014 ...	1.1406	1.0724	0.6315	1.3596	2.6802	1.1644	1.3735
2015 ...	1.1161	1.0614	0.7188	1.3570	2.3287	1.0971	1.2239

ERS, Structural, Technology, and Productivity Branch, (202) 694–5460.

Table 9-30.—Indices of Total factor productivity, United States, 2006–2015
[2005=1]

Year	Total factor productivity (TFP) ¹
2006	1.0089
2007	0.9782
2008	1.0141
2009	1.0502
2010	1.0393
2011	1.0391
2012	1.0356
2013	1.0961
2014	1.0302
2015	1.0201

¹ Total factor productivity is the output-input ratio.
ERS, Structural, Technology, and Productivity Branch, (202) 694–5460.

Table 9-31.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2016–2017

Commodity	Unit	Marketing year average price ¹		Parity price ²	
		2016	2017	2016	2017
		Dollars	Dollars	Dollars	Dollars
Basic commodities:					
Cotton:					
Upland	pound	0.680	0.674	1.94	1.93
Extra long staple(American Pima)	pound	1.37	1.45	3.85	3.83
Wheat	bushel	3.89	4.72	18.10	17.70
Rice	cwt	10.40	12.50	39.70	39.50
Corn	bushel	3.36	3.30	13.00	13.00
Peanuts	pound	0.197	0.229	0.666	0.663
Tobacco:					
Flue-cured, types (class 1)	pound	1.96	2.00	5.21	5.21
Types 21	pound	2.70	(NA)	7.36	(NA)
Burley, type 31	pound	1.92	1.94	5.18	5.13
Maryland, type 32 ³	pound	1.86	1.88	4.95	4.90
Dark air-cured, types 35–36	pound	2.39	(NA)	8.17	(NA)
Sun-cured, type 37	pound	(NA)	(NA)	6.81	(NA)
Pa., seedleaf, type 41	pound	2.47	2.38	5.33	5.50
Cigar binder type 51	pound	(NA)	(NA)	18.20	(NA)
Puerto Rican filler, type 46	pound	(NA)	(NA)	4.49	(NA)
Cigar wrapper, type 61	pound	(NA)	(NA)	70.40	(NA)
Designated nonbasic commodities:					
All milk, sold to plants	cwt	16.34	17.69	52.10	51.90
Honey, all	pound	2.119	2.156	4.55	4.72
Wool and mohair:					
Wool ⁴	pound	1.45	1.47	3.50	3.63
Mohair ⁵	pound	4.56	5.00	11.40	11.40
Other nonbasic commodities:					
Field crops and miscellaneous:					
Austrian winter peas	cwt	18.30	15.20	(NA)	(NA)
Barley	bushel	4.96	4.47	14.00	14.30
Beans, dry edible	cwt	29.20	27.80	93.00	93.30
Cottonseed	ton	195	139	579	591
Crude pine gum	barrel	(NA)	(NA)	403	400
Flaxseed	bushel	8.00	9.25	33.30	33.10
Hay, all, baled	ton	129	142	426	424
Hops	pound	5.72	5.92	9.79	10.60
Lentils	cwt	28.5	26.4	68.9	73.5
Oats	bushel	2.06	2.59	8.57	8.41
Peas, dry edible	cwt	11.00	12.00	54.70	54.50
Peppermint oil	pounds	20.90	18.30	57.90	58.80
Popcorn, shelled basis	cwt	(NA)	(NA)	52.40	52.10
Potatoes	cwt	9.08	10.30	24.80	24.60
Rye	bushel	5.12	4.50	18.20	18.20
Sorghum grain	cwt	4.98	5.65	22.50	22.20
Soybeans	bushel	9.47	9.30	31.30	31.40
Spearmint oil	pound	17.30	16.20	49.20	49.00
Sweet potatoes	cwt	20.70	18.40	60.20	59.30
Fruits:					
Citrus (equiv. on-tree):⁶					
Grapefruit	box	10.64	12.48	19.10	19.20
Lemons	box	27.44	28.50	46.90	50.40
Oranges	box	10.56	13.32	25.10	25.40
Tangerines	box	17.70	18.76	51.80	51.60
Deciduous and other:					
Apples:					
For fresh consumption ⁷	pound	0.405	0.406	0.956	0.980
For processing ⁸	ton	215	248	530	545
Apricots:					
For fresh consumption ⁹	ton	1,200	1,400	3,360	3,400
Dried, California (dried basis) ⁸	ton	6,170	(D)	7,270	7,630
For processing (excl dried) ⁸	ton	(NA)	(NA)	1,080	1,160
Avocados ⁹	ton	2,720	2,700	5,150	5,100

See footnote(s) at end of table.

Table 9-31.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2016–2017—Continued

Commodity	Unit	Marketing year average price ¹		Parity price ²	
		2016	2017	2016	2017
		Dollars	Dollars	Dollars	Dollars
Deciduous and other—Continued					
Berries for processing:					
Blackberries (Oregon)	pound	0.411	0.692	18.00	17.90
Boysenberries (Oregon)	pound	0.500	0.835	2.55	2.54
Gooseberries	pound	(NA)	(NA)	1.07	1.07
Loganberries (Oregon)	pound	(NA)	(NA)	1.74	1.73
Raspberries, black (California, Oregon & Washington)	pound	(NA)	(NA)	3.07	3.05
Raspberries, red (California, Oregon & Washington)	pound	(NA)	(NA)	2.43	2.42
Cherries:					
Sweet	ton	2,250	2,060	6,050	5,930
Tart	pound	0.274	0.224	0.927	0.922
Cranberries ¹⁰	barrel	30.60	30.20	125	121
Dates, California ⁹	ton	2,020	3,510	4,260	4,260
Grapes:					
For all sales	ton	818	877	(NA)	(NA)
Raisin varieties dried, California (dried basis) ⁸	ton	1,110	1,670	4,050	4,090
Wine dried grapes	ton	905	927	1,880	1,860
Kiwi	ton	1,570	1,050	2,650	2,780
Nectarines (California):					
For fresh consumption ¹⁷	ton	911	940	1,750	1,830
For processing ¹⁸	ton	(NA)	(NA)	122	121
Olives (California): ¹¹					
For all sales	ton	860	974	(NA)	(NA)
Crushed for oil	ton	706	810	1,670	1,690
For all sales (excl crushed)	ton	(NA)	(NA)	2,430	2,520
For canning	ton	1,213	1,320	2,700	2,790
Papayas	pound	0.492	0.422	1.19	1.15
Peaches:					
For all sales	ton	807	868	(NA)	(NA)
For fresh consumption ⁷	ton	1,220	1,370	2,460	2,490
Dried, California (dried basis) ⁸	ton	(NA)	(NA)	1,340	1,320
For processing California (excl dried):					
Clingstone ¹¹	ton	518	474	944	980
Freestone ⁸	ton	415	393	753	798
Pears:					
For all sales	ton	660	710	(NA)	(NA)
For fresh consumption ⁷	ton	776	875	1,620	1,670
For processing (excl dried) ⁸	ton	406	384	(NA)	(NA)
Plums (California):					
For all sales ⁹	ton	813	1,010	(NA)	(NA)
For fresh consumption ¹⁷	ton	(D)	(D)	1,750	1,840
For processing ¹⁸	ton	(D)	(D)	(NA)	(NA)
Prunes, dried (California) ⁸	ton	2,180	1,970	4,460	4,520
Prunes and plums (excl California):					
For fresh consumption ¹²	ton	(NA)	(NA)	1,770	1,760
For processing (excl dried) ⁸	ton	(NA)	(NA)	689	686
Strawberries:					
For fresh consumption ¹³	cwt	127	125	258	253
For processing ⁸	cwt	46.90	33.60	99.60	101
Sugar crops:					
Sugarbeets	ton	41.20	(NA)	152	150
Sugarcane for sugar	ton	31.00	(NA)	102	99.70
Tree nuts: ¹⁴					
Almonds	pound	2.34	2.53	6.57	6.60
Hazelnuts	ton	2,700	2,300	6,280	6,250
Macadamia	pound	1.00	1.10	(NA)	(NA)
Pecans, all	pound	2.59	2.33	4.92	4.98
Pistachios	pound	1.68	1.69	6.57	6.63
Walnuts	ton	1,850	2,530	6,830	6,680

See footnote(s) at end of table.

Table 9-31.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2016–2017—Continued

Commodity	Unit	Marketing year average price ¹		Parity price ²	
		2016	2017	2016	2017
		Dollars	Dollars	Dollars	Dollars
Vegetables for fresh market:¹³					
Artichokes, California	cwt	78.80	70.00	132	131
Asparagus	cwt	115	118	327	323
Broccoli	cwt	38.20	46.00	112	111
Cabbage	cwt	21.60	20.10	40.00	39.80
Cantaloups	cwt	17.20	19.30	61.70	61.40
Carrots ¹⁵	cwt	32.20	30.10	77.30	78.70
Cauliflower ¹⁵	cwt	55.50	46.10	124	130
Celery ¹⁵	cwt	18.50	20.60	59.40	58.80
Cucumbers	cwt	25.90	29.50	66.00	65.70
Eggplant	cwt	(NA)	(NA)	69.80	69.40
Escarole/Endive	cwt	(NA)	(NA)	89.80	89.30
Garlic	cwt	184	184	84.90	84.40
Green peppers ¹⁵	cwt	34.70	48.70	104	104
Honeydew melons	cwt	19.10	28.00	56.80	55.60
Lettuce	cwt	27.30	36.40	65.40	66.30
Onions ¹⁵	cwt	16.80	15.00	41.10	39.80
Snap beans	cwt	60.20	55.60	131	130
Spinach	cwt	52.10	64.50	114	114
Sweet corn	cwt	28.40	29.10	76.20	76.30
Tomatoes	cwt	42.50	37.30	120	116
Watermelons	cwt	13.80	14.80	24.50	24.40
Vegetables for processing:⁸					
Asparagus	ton	1680	1,560	4170	4,210
Beets	ton	(NA)	(NA)	226	224
Cabbage	ton	228	206	174	173
Cucumbers	ton	314	349	(NA)	(NA)
Green peas	ton	255	249	1,000	977
Lima beans	ton	516	564	1,940	1,930
Snap beans	ton	191	190	654	645
Spinach	ton	158	189	420	418
Sweet corn	ton	88	79	310	305
Tomatoes	ton	87.40	82.80	235	235
Livestock and livestock products:					
All beef cattle	cwt	119	118	321	320
Cows	cwt	74.30	68.80	(NA)	(NA)
Steers and heifers	cwt	121	120	(NA)	(NA)
Calves	cwt	158	168	469	464
Beeswax	pound	(NA)	(NA)	8.43	(NA)
Chickens:					
Broilers, live ¹⁸	pound	0.478	0.546	1.45	1.44
All Eggs	dozen	0.768	0.866	2.98	2.94
Hogs	cwt	49.30	53.10	165	161
Lambs	cwt	(NA)	(NA)	339	(NA)
Milk cows ¹⁶	head	1760	1,620	(NA)	(NA)
Sheep	cwt	(NA)	(NA)	127	(NA)
Turkeys, live	pound	0.825	0.645	1.82	187

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Unless otherwise noted, these prices are for marketing year average or calendar year average computed by weighing State prices by quantities sold, or by production for those commodities for which the production is sold. ² Parity prices are for January of the year shown as published in the January issue of Agricultural Prices. ³ Previous year. ⁴ Average local market price for wool sold excluding incentive payment. ⁵ Average local market price for mohair sold excluding incentive payment. ⁶ Crop year begins with bloom in one year and ends with completion of harvest the following year. Prices refer to the year harvest begins. ⁷ Equivalent packinghouse-door returns for California, Oregon (pears only), Washington, and New York (apples only), and prices as sold for other States. ⁸ Equivalent returns at processing plant-door. ⁹ Equivalent returns at packinghouse-door. ¹⁰ Weighted average of co-op and independent sales. Co-op prices represent pool proceeds excluding returns from non-cranberry products and before deductions for capital stock and other retains. ¹¹ Equivalent per unit returns for bulk fruit at first delivery point. ¹² Average price as sold. ¹³ FOB shipping point when available. ¹⁴ Weighted average of prices at points of first sale. ¹⁵ Prices are in-shell basis except almonds which are shelled basis. ¹⁶ Includes some processing. ¹⁷ Simple average of States weighted by estimated Jan. 1 head for U.S. average. ¹⁸ Prices for fresh and processing breakdown no longer published to avoid disclosure of individual operations. ¹⁹ Live weight equivalent price. NASS, Environmental, Economics, and Demographics Branch (202) 720-6146.

Table 9-32.—Producer prices: Index numbers, by groups of commodities, United States, 2008–2017
[1982=100]

Year	Total finished goods	Consumer foods	Personal consumption goods ¹	Total intermediate materials	Unprocessed Goods for intermediate demand ²
2008	177.1	178.3	186.3	188.3	251.8
2009	172.5	175.5	179.1	172.5	175.2
2010	179.8	182.4	189.1	183.4	212.2
2011	190.7	193.9	203.3	199.8	249.4
2012	194.3	199.1	207.5	200.7	241.4
2013	196.7	203.5	210.3	200.8	246.7
2014	200.4	212.5	214.7	201.9	249.3
2015	193.9	209.7	204.4	188.0	189.1
2016	191.9	204.6	201.3	182.2	173.4
2017	198.0	207.2	209.2	190.7	190.8

¹ Previous heading was Total consumer goods. Name was changed slightly in PPI to "Personal consumption goods (finished consumer goods)". ² Previous heading was Total crude materials. The PPI series name is "Unprocessed goods for intermediate demand".

ERS, Food Marketing Branch, (202) 694-5349. Compiled from reports of the U.S. Department of Labor.

Table 9-33.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 2007–2017¹
[1910–14=100]

Year	Food grain	Feed grain	Cotton	Tobacco	Oilseed	Fruit & tree nut ²	Vegetable & melon	Other crop
2007	590	943	423	1,392	748	1,103	1,128	582
2008	820	1,010	515	1,409	1,107	1,038	1,076	604
2009	590	902	416	1,569	971	977	1,153	609
2010	560	587	601	1,557	944	1,031	1,161	622
2011	758	579	745	1,497	1,225	1,162	1,224	645
2012	779	734	673	1,576	1,356	1,339	1,040	649
2013 ³	759	541	651	1,760	1,343	1,311	1,330	645

Year	Potato & dry edible bean	Crop Production	Meat animal	Dairy	Poultry & egg	Livestock Production	Agricultural Production	Parity ratio ⁴
2008	797	836	1,195	1,128	424	1,000	947	39
2009	761	747	1,075	790	390	857	832	35
2010	708	690	1,256	1,000	427	1,002	850	35
2011	867	872	1,540	1,239	422	1,161	1,032	38
2012	846	933	1,633	1,140	459	1,190	1,083	38
2013	901	922	1,669	1,230	515	1,260	1,104	38
2014	(3)	805	(3)	(3)	(3)	1,495	1,113	37
2015	(3)	758	(3)	(3)	(3)	1,317	1,024	34
2016	(3)	752	(3)	(3)	(3)	1,096	934	32
2017	(3)	757	(3)	(3)	(3)	1,160	966	33

¹ 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 compared with 2011 weighted average prices. The resulting ratios are seasonally weighted by average quantities sold for the most recent 5-year period. For example, 2013 indexes use quantities sold for the period 2007–11. Then, the 2011 indexes are used to adjust the 1910–14 base period. ² Fresh market for noncitrus, and fresh market and processing for citrus. ³ Data series discontinued after 2013. ⁴ Ratio of Index of Prices Received to the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Farm Wage Rates.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-34.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 2008–2017¹
(2011=100)

Year	Food grain	Feed grain	Cotton ²	Tobacco ²	Oilseed	Fruit & tree nut ³	Vegetable & melon	Other crop
2008	109.1	82.6	69.1	89.6	95.2	89.1	95.9	93.3
2009	78.5	65.1	55.9	99.7	83.5	83.9	102.8	94.1
2010	74.4	66.0	80.6	98.9	81.2	88.5	103.5	95.9
2011	100.0	100.0	.....	.....	100.0	100.0	100.0	100.0
2012	103.8	110.8	.....	.....	111.9	112.4	91.9	102.7
2013	101.5	102.4	.....	.....	111.6	119.1	103.8	100.5
2014	90.4	69.1	.....	.....	98.8	136.3	103.3	94.7
2015	75.5	62.7	.....	.....	76.0	138.5	108.8	84.4
2016	62.1	58.6	.....	.....	75.0	138.7	103.9	79.3
2017	65.3	56.5	.....	.....	75.1	137.0	113.6	81.5

Year	Potato ⁴ & dry edible bean ⁵	Crop Production	Meat animal	Dairy product	Poultry & egg	Livestock Production	Agricultural Production	Parity ratio ⁶
2008	92.5	95.9	77.6	91.0	101.0	86.1	91.7	102.0
2009	88.3	85.7	69.9	63.7	93.0	73.8	80.6	92.0
2010	82.1	87.0	81.6	80.7	101.6	85.7	86.8	96.0
2011 .....	.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2012 .....	.....	107.0	103.9	92.1	109.0	102.5	105.0	100.0
2013 .....	.....	105.7	106.8	99.8	123.3	108.5	107.0	100.0
2014 .....	.....	92.3	131.1	119.2	133.1	128.7	107.9	96.0
2015 .....	.....	87.0	119.8	85.2	127.8	113.4	99.2	90.0
2016 .....	.....	86.2	97.9	81.1	100.4	94.4	90.5	85.0
2017 .....	.....	86.8	100.5	87.8	107.7	99.9	93.6	87.0

¹ 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 compared with 2011 weighted average prices. The resulting ratios are seasonally weighted by average quantities sold for the most recent previous 5-year period. For example, 2013 indexes use quantities sold for the period 2007–11. ² Included in Other crop index group beginning in 2010. ³ Fresh market for noncitrus, and fresh market and processing for citrus. ⁴ Included in Vegetable and melon index group beginning 2010. ⁵ Included in Food grain index group beginning 2010. ⁶ Ratio of Index of Prices Received (2011=100) to Index of Prices Paid by Farmers for Commodities & Services, Interest, Taxes, and Wage Rates (2007–11=100).

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-35.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 2008–2017
(2011=100)

Production indexes ¹										
Year	Production all commodities	Feed	Livestock & Poultry	Seeds	Fertilizer	Agricultural chemicals	Fuels	Supplies & Repairs	Autos & trucks	
2008	88.3	85.8	80.4	78.0	119.2	95.7	94.9	92.5	93.8	
2009	84.8	82.5	74.6	90.1	83.8	102.5	63.1	94.3	94.9	
2010	87.7	79.7	86.0	93.4	76.8	99.5	78.3	96.1	97.3	
2011	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2012	105.4	115.3	106.6	105.5	101.4	105.4	99.3	102.9	101.9	
2013	107.4	117.5	108.3	110.2	96.7	108.5	98.4	103.8	103.4	
2014	114.1	114.9	153.6	113.5	94.5	109.5	97.9	105.7	104.4	
2015	112.0	106.1	147.1	124.6	87.2	106.5	63.5	105.8	105.5	
2016	104.7	101.4	105.2	121.4	71.8	107.7	55.6	106.0	106.0	
2017	104.5	94.8	106.7	119.9	66.2	104.0	63.2	107.9	106.0	

Production indexes ¹ - continued										
Year	Farm machinery	Building materials	Farm services	Rent	Interest	Taxes	Wage rates	Production, interest, taxes, & wage rates	Family living	Commodities, interest, taxes, & wage rates ²
2008	85.6	96.5	89.0	80.2	101.9	94.3	96.6	89.5	95.7	90.0
2009	91.2	95.4	95.3	89.6	94.2	91.9	97.9	86.4	95.4	87.3
2010	94.3	96.6	98.1	92.6	91.6	95.9	98.9	89.0	96.9	90.0
2011	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2012	105.3	102.6	101.8	101.7	99.3	101.0	102.9	104.8	102.1	104.4
2013	108.1	104.6	105.5	105.6	93.3	103.4	106.3	106.7	103.6	106.3
2014	112.0	106.9	109.1	114.2	93.1	116.3	108.0	113.1	105.3	112.0
2015	114.6	107.4	113.7	130.3	98.4	109.9	111.9	111.6	105.4	110.7
2016	115.4	107.6	115.6	123.8	103.9	114.7	115.9	105.8	106.7	105.9
2017	117.7	110.4	112.4	123.8	112.2	116.3	119.1	106.2	109.0	106.6

¹ Annual price index computed using annual weights. Base period (2011=100) are now being published to one decimal digit. ² Family Living component included.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-36.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 2008–2017¹
[1910–14=100]

Year	Family living	Production indexes							
		Production all commodities	Feed	Livestock & poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies & repairs
2008	2,045	1,839	945	1,587	2,563	1,436	859	2,653	1,091
2009	2,038	1,766	909	1,472	2,960	1,009	921	1,765	1,113
2010	2,071	1,825	879	1,698	3,070	925	893	2,191	1,134
2011	2,136	2,082	1,102	1,974	3,286	1,204	898	2,797	1,180
2012	2,181	2,193	1,270	2,104	3,468	1,221	946	2,779	1,214
2013	2,213	2,237	1,295	2,137	3,622	1,164	974	2,752	1,225
2014	2,249	2,376	1,266	3,032	3,729	1,138	983	2,739	1,247
2015	2,252	2,331	1,168	2,904	4,096	1,050	957	1,775	1,248
2016	2,280	2,179	1,118	2,076	3,990	864	967	1,556	1,251
2017	2,328	2,175	1,045	2,107	3,940	797	934	1,768	1,272

Year	Production indexes—Continued				Interest	Taxes	Wage rates	Production, interest, taxes, & wage rates ²	Commodities, interest, taxes, & wage rates ²
	Autos & trucks	Farm machinery	Building materials	Farm services & rent					
2008	2,882	5,231	2,245	1,818	3,727	5,598	6,860	2,522	2,434
2009	2,917	5,575	2,218	1,976	3,436	5,453	7,007	2,435	2,364
2010	2,992	5,762	2,248	2,036	3,339	5,694	7,079	2,509	2,434
2011	3,074	6,111	2,326	2,123	3,646	5,935	7,161	2,820	2,706
2012	3,131	6,432	2,387	2,162	3,620	5,993	7,366	2,954	2,824
2013	3,179	6,609	2,434	2,241	3,402	6,137	7,607	3,010	2,877
2014	3,209	6,845	2,486	2,360	3,394	6,904	7,731	3,190	3,031
2015	3,243	7,003	2,497	2,554	3,578	6,520	8,015	3,146	2,996
2016	3,259	7,051	2,504	2,524	3,789	6,808	8,295	2,983	2,866
2017	3,259	7,190	2,569	2,486	4,092	6,904	8,529	2,996	2,885

¹Based on Consumer Price Index-Urban of Bureau of Labor Statistics. ²The 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.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-37.—Grazing fees: Rates for cattle by selected States and regions, 2016–2017

State	Monthly lease rates for private non-irrigated grazing land ¹					
	Animal unit ²		Cow-calf		Per head	
	2016	2017	2016	2017	2016	2017
	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>
Arizona	9.00	9.50	(S)	(S)	(S)	(S)
California	23.00	20.60	23.50	28.00	21.50	19.50
Colorado	17.50	19.00	21.00	23.00	19.00	18.00
Idaho	18.00	18.00	22.00	22.00	18.50	18.50
Kansas	18.50	21.00	24.00	27.00	21.00	24.50
Montana	24.00	24.50	26.00	27.00	24.00	24.00
Nebraska	41.00	39.80	46.30	45.00	41.00	39.00
Nevada	10.00	9.90	(S)	18.10	16.70	15.50
New Mexico	14.00	15.50	(S)	(S)	14.50	16.00
North Dakota	21.00	19.00	25.00	23.00	20.00	19.00
Oklahoma	12.50	12.50	(S)	(S)	11.50	11.50
Oregon	17.00	16.50	20.00	19.50	18.50	19.50
South Dakota	31.50	31.50	37.00	39.00	31.00	35.00
Texas	12.50	12.50	(S)	(S)	11.50	11.50
Utah	16.50	16.50	20.00	20.00	17.00	18.50
Washington	14.00	14.00	16.00	16.50	15.00	16.00
Wyoming	21.50	21.50	23.50	23.50	21.00	22.00
17-State ³	20.30	20.20	23.50	23.70	20.30	20.60
16-State ⁴	22.70	22.60	26.10	26.40	23.00	23.40
11-State ⁵	19.20	19.30	21.90	22.80	19.80	19.80
9-State ⁶	20.50	20.50	23.80	23.80	20.20	20.70

(S) Insufficient number of reports to establish an estimate. ¹The average rates are estimates (rates over \$10.00 are rounded to the nearest dime) based on survey indications of monthly lease rates for private, non-irrigated grazing land from the January Cattle Survey. ²Includes animal unit plus cow-calf rates. Cow-calf rate converted to animal unit (AUM) using (1 aum=cow-calf *0.833). ³Seventeen Western States: All States listed. ⁴Sixteen Western States: All States, except Texas. ⁵Eleven Western States: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming. ⁶Nine Great Plains States: Colorado, Kansas, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas and Wyoming.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-38.—Agricultural commodities: Support prices per unit, United States, 2013–2017¹

Commodity	Unit	2013	2014 ²	2015	2016	2017
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Basic commodities:						
Corn:						
Target/reference price	Bushel	2.63	3.70	3.70	3.70	3.70
Loan rate	do	1.95	1.95	1.95	1.95	1.95
Cotton:						
American upland:						
Target price	Cwt	71.25	(NA)	(NA)	(NA)	(NA)
Loan rate	do	52.00	52.00	52.00	52.00	49.49
Extra-long staple:						
Target price	do	(NA)	(NA)	(NA)	(NA)	(NA)
Loan rate	do	79.77	79.77	79.77	79.77	79.77
Peanuts:						
Target/reference price	Short tons	495.00	535.00	535.00	535.00	535.00
Loan rate	do	355.00	355.00	355.00	355.00	355.00
Rice:						
Target/reference price ³	Cwt	10.50	14.00	14.00	14.00	14.00
Loan rate	do	6.50	6.50	6.50	6.50	6.50
Wheat:						
Target/reference price	Bushel	4.17	5.50	5.50	5.50	5.50
Loan rate	do	2.94	2.94	2.94	2.94	2.94
Barley:						
Target/reference price	Bushel	2.63	4.95	4.95	4.95	4.95
Loan rate	do	1.95	1.95	1.95	1.95	1.95
Sorghum grain:						
Target/reference price	Cwt	4.70	7.05	7.05	7.05	7.05
Loan rate	do	3.48	3.48	3.48	3.48	3.48
Oats:						
Target/reference price	Bushel	1.79	2.40	2.40	2.40	2.40
Loan rate	do	1.39	1.39	1.39	1.39	1.39
Other oilseeds: ⁴						
Target/reference price	Cwt	12.68	20.15	20.15	20.15	20.15
Loan rate	do	10.09	10.09	10.09	10.09	10.09
Soybeans:						
Target/reference price	Bushel	6.00	8.40	8.40	8.40	8.40
Loan rate	do	5.00	5.00	5.00	5.00	5.00
Dry Peas:						
Target/reference price	Cwt	8.32	11.00	11.00	11.00	11.00
Loan rate	do	5.40	5.40	5.40	5.40	5.40
Small chick peas:						
Target/reference price	Cwt	10.36	19.04	19.04	19.04	19.04
Loan rate	do	7.43	7.43	7.43	7.43	7.43
Large chick peas:						
Target/reference price	Cwt	12.81	21.54	21.54	21.54	21.54
Loan rate	do	11.28	11.28	11.28	11.28	11.28
Lentils:						
Target/reference price	do	12.81	19.97	19.97	19.97	19.97
Loan rate	do	11.28	11.28	11.28	11.28	11.28
Sugar, raw cane:						
Loan rate	Pound	0.188	0.188	0.188	0.188	0.188
Sugar, refined beet:						
Loan rate	do	0.241	0.241	0.241	0.241	0.241
Honey, extracted:						
Loan rate	Pound	0.69	0.69	0.69	0.69	0.69
Mohair:						
Loan rate	do	4.20	4.20	4.20	4.20	4.20
Wool, graded:						
Loan rate	Pound	1.15	1.15	1.15	1.15	1.15
Wool, nongraded:						
Loan rate	Pound	0.40	0.40	0.40	0.40	0.40
Milk for manufacturing: ⁵						
Support price	Cwt	9.35	(NA)	(NA)	(NA)	(NA)

(NA) Not available. ¹ National averages during the marketing years for the individual crops. ² Target price is applicable for crop years 2012-2013 and reference price is applicable beginning with crop year 2014. ³ Target and reference price shown is for long grain and medium (including short) grain rice. The reference price for temperate japonica rice is \$16.10 per Cwt beginning with crop year 2014. The loan rate for temperate japonica is the same as for other types of rice, at 6.50 per cwt. ⁴ Other oilseeds are flaxseed, sunflower seed (oil and other types), safflower, rapeseed, canola, mustard seed, crambe, and sesame seed. ⁵ Effective support price calculated from product prices specified in 2008 Farm Bill, effective January 1, 2008. The Dairy Product Price Support Program expired December 31, 2013. FSA, Feed Grains and Oilseeds, (202) 720-2711.

Table 9-39.—Farm income: Cash receipts by commodity groups and selected commodities, United States, 2013–2017¹

Commodity	2013	2014	2015	2016	2017
	Thousand dollars				
All commodities	403,552,908	424,216,010	377,072,444	357,855,275	374,341,092
Livestock and products	182,704,665	212,799,230	189,468,909	162,829,730	176,034,295
Cattle and calves	67,457,442	81,478,368	78,128,981	63,672,844	67,351,377
Hogs	23,761,227	26,517,815	20,623,942	19,038,623	21,072,898
Sheep and lambs	(NA)	(NA)	(NA)	(NA)	(NA)
Dairy products	40,276,790	49,352,950	35,732,794	34,538,700	37,937,689
Broilers	30,761,669	32,728,234	28,716,398	25,935,852	30,229,700
Farm chickens	87,939	96,151	103,206	87,423	46,674
Chicken eggs	8,678,859	10,257,972	13,608,194	6,514,074	7,551,021
Turkeys	4,839,562	5,304,501	5,707,928	6,184,247	4,841,545
Miscellaneous livestock	6,841,177	7,063,239	6,847,466	6,857,968	7,003,390
Crops	220,848,243	211,417,779	187,603,535	195,025,544	198,306,797
Food grains	17,230,685	16,050,095	12,282,154	11,273,638	11,019,545
Feed crops	70,835,571	65,873,669	56,919,159	55,468,185	55,566,238
Cotton	6,515,834	7,111,320	4,756,100	5,496,889	7,781,691
Tobacco	1,546,501	1,715,575	1,604,909	1,336,427	1,378,695
Oil crops	47,274,387	42,620,534	35,509,006	44,040,848	43,006,537
Vegetables	19,417,988	18,870,538	20,281,406	18,996,977	19,850,376
Fruits/nuts	29,904,334	31,930,824	28,417,919	29,991,875	31,052,112
All other crops	28,122,943	27,244,224	27,832,882	28,420,705	28,651,603

Data as of August 30, 2018. (NA) Not available. ¹ USDA estimates and publishes individual cash receipt values only for major commodities and major producing States. The U.S. receipts for individual commodities, computed as the sum of the reported States, may understate the value of sales for some commodities, with the balance included in the appropriate category labeled "other" or "miscellaneous". The degree of underestimation in some of the minor commodities can be substantial.

ERS, Farm Income Team, (202) 694-5344. FarmIncomeTeam@ers.usda.gov. <http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx>.

Table 9-40.—Farm income: United States, 2013–2017

Item	2013	2014	2015	2016	2017
	Thousand dollars				
Total gross farm income	483.8	483.1	440.5	411.8	429.6
Value of production	472.8	473.3	429.7	398.8	418.0
Crops	233.6	206.0	184.0	188.6	189.6
Livestock and product	181.0	214.4	194.2	165.6	177.4
Services and forestry	58.2	52.9	51.5	44.5	51.0
Direct government payments	11.0	9.8	10.8	13.0	11.5
Total production expenses ¹	360.1	390.7	359.0	350.1	354.1
Net farm income	123.8	92.4	81.5	61.6	75.5
Gross cash income	455.5	470.6	422.3	398.7	418.7
Cash expenses	320.0	339.0	315.9	303.8	314.8
Net cash income	135.6	131.6	106.3	94.9	104.0

Data as of August 30, 2018. ¹ Includes expenses associated with operator dwellings.

ERS, Farm Income Team, (202) 694-5344. FarmIncomeTeam@ers.usda.gov. <http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx>.

CHAPTER X

INSURANCE, CREDIT, AND COOPERATIVES

The statistics in this chapter deal with 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 10-1.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948–2017

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cyclone, tornado, wind, hot wind	Insects	Disease	Decline in price	Other
Adj. gross revenue	2001-2014	12	10	10	26	0	2	0	0	39	0
Adj. gross revenue-lite	2003-2014	8	10	10	31	1	1	0	1	39	0
Alfalfa seed	2002-2017	45	8	12	19	0	10	5	1	0	0
All other citrus trees	2001-2017	0	0	2	10	0	16	0	0	0	72
All other grapefruit	2001-2009	0	0	0	18	0	82	0	0	0	0
Almonds	1981-2017	9	4	53	31	0	4	0	0	0	0
Annual Forage	2014-2017	0	0	0	0	0	0	0	0	0	100
Apiculture	2009-2017	0	0	0	0	0	0	0	0	0	100
Apples	1963-2017	8	29	4	55	0	2	0	1	0	1
Avocado trees	1996-2013	0	0	6	1	0	94	0	0	0	0
Avocados	1998-2017	40	0	1	33	0	22	0	0	1	3
Banana	2012-2013	100	0	0	0	0	0	0	0	0	0
Barley	1956-2017	43	15	30	5	0	2	2	2	0	0
Blueberries	1995-2017	4	6	9	71	0	1	1	1	0	7
Buckwheat	2010-2017	43	23	21	10	0	3	0	0	0	0
Burley tobacco	1997-2017	41	3	40	3	6	2	0	5	0	1
Cabbage	1999-2017	17	1	38	20	1	11	4	3	0	3
Camelina	2012-2015	100	0	0	0	0	0	0	0	0	0
Canola	1995-2017	22	9	52	10	0	3	1	1	1	0
Cherries	1963-2017	19	4	34	32	0	3	0	0	8	0
Chile peppers	2000-2017	1	22	11	27	5	20	8	4	0	1
Cigar:											
binder tobacco ..	1997-2017	10	14	24	3	0	2	0	46	0	1
filler tobacco	1998-2015	90	0	3	0	0	0	1	6	0	0
wrapper tobacco ..	1997-2015	0	0	46	4	0	0	0	50	0	0
Citrus	1952-1997	2	1	1	94	0	2	0	0	0	0
Citrus I	1998-2012	0	0	0	16	0	84	0	0	0	0
Citrus II	2000-2013	0	0	0	53	0	47	0	0	0	0
Citrus III	2001-2013	0	0	0	100	0	0	0	0	0	0
Citrus IV	1998-2011	0	13	0	28	0	60	0	0	0	0
Citrus V	1999-2013	0	6	0	63	0	31	0	0	0	0
Citrus VI	2006	0	0	0	0	0	100	0	0	0	0
Citrus VII	1998-2013	0	7	0	26	0	67	0	0	0	0
Citrus VIII	2009-2012	0	13	0	87	0	0	0	0	0	0
Citrus trees	1984-1997	0	0	0	100	0	0	0	0	0	0
Citrus trees I	2008-2010	0	0	70	0	0	30	0	0	0	0
Citrus trees II	2008-2010	0	0	100	0	0	0	0	0	0	0
Citrus trees III	2010	0	0	100	0	0	0	0	0	0	0
Citrus trees IV	2008-2010	0	0	100	0	0	0	0	0	0	0
Citrus trees V	2010	0	0	100	0	0	0	0	0	0	0
Clams	2001-2017	0	0	0	16	0	4	0	2	0	78
Clary sage	2017	0	0	78	3	0	19	0	0	0	0
Coffee	2009-2017	75	0	21	0	0	1	3	0	0	0
Corn	1948-2017	53	5	25	3	2	2	0	1	10	0
Cotton	1948-2017	54	13	14	3	1	12	1	0	2	0
ex long staple	1984-2017	80	2	6	9	1	2	1	0	0	0
Crambe	1999-2003	32	10	26	7	0	21	0	4	0	0
Cranberries	1984-2017	16	16	16	40	1	2	4	1	0	5
Cucumbers	2014-2017	9	3	84	1	0	2	0	1	0	0
Cultivated wild rice ..	1999-2017	43	9	6	11	1	17	1	1	0	12
Dark air tobacco	1997-2017	13	4	66	1	4	5	0	7	0	1
Dry beans	1948-2017	17	19	47	11	0	2	0	2	1	0
Dry peas	1963-2017	49	22	23	3	0	1	0	1	1	0
Early & midseason oranges	1998-2017	0	8	23	36	0	33	0	0	0	0
Figs	1988-2017	19	0	49	30	0	2	0	0	0	0
Fire cured tobacco	1997-2017	15	7	52	3	6	6	0	4	0	7
Flax	1948-2017	43	8	40	5	0	3	1	1	0	0

See note(s) at end of table.

Table 10-1.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948–2017—Continued

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cyclone, tornado, wind, hot wind	In-sects	Dis-ease	De-cline in price	Other
Flue cured tobacco	1997-2017	33	4	31	2	0	14	0	15	0	0
Forage production	1979-2017	68	2	7	20	0	0	1	0	0	0
Forage seeding	1978-2017	29	0	22	45	1	2	0	0	0	0
Fresh:											
Apricots	1997-2017	8	17	25	46	0	3	0	0	0	0
Freestone peaches	1997-2017	13	24	23	37	0	3	0	0	0	0
Market beans	2000-2017	2	0	60	13	0	15	2	9	0	0
Market sweet corn	1985-2017	11	2	36	31	0	16	1	1	0	1
Market tomatoes	1984-2017	7	5	44	28	0	9	1	6	0	0
Nectarines	1997-2017	9	35	23	31	0	2	0	0	0	0
Plum	1990-1997	1	32	41	25	0	0	0	0	0	0
Grain sorghum	1959-2017	77	2	9	4	0	4	1	0	2	0
Grapefruit	1997-2017	15	2	0	30	0	52	0	0	0	0
Grapefruit trees	2000-2014	0	0	1	5	0	7	0	0	0	87
Grapes	1967-2017	22	5	15	54	0	2	0	0	0	1
Grass Seed	2012-2017	12	3	81	4	0	1	0	0	0	0
Green peas	1962-2017	47	4	37	8	0	2	0	1	0	0
Hybrid corn seed	1983-2017	58	5	21	3	2	11	0	1	0	0
Hybrid seed rice	2017	0	0	100	0	0	0	0	0	0	0
Hybrid sorghum seed	1988-2017	28	20	5	17	0	28	0	1	0	0
Late oranges	1998-2017	0	10	27	21	0	42	0	0	0	0
Lemons	1997-2017	14	1	2	78	0	5	0	0	0	0
Lime trees	1998-2005	0	0	7	0	0	0	0	0	0	99
Macadamia nuts	1996-2017	73	0	7	7	0	4	7	0	0	0
Macadamia trees	2000-2012	0	0	56	0	0	36	0	0	0	8
Mandarins	1997-2014	18	2	1	76	0	4	0	0	0	0
Mandarins/tangerines	2015-2017	57	1	6	31	0	6	0	0	0	0
Mango trees	1997-2010	0	0	8	2	0	90	0	0	0	0
Maryland tobacco	1997-2017	60	5	6	3	0	8	0	18	0	0
Millet	1996-2017	72	14	10	2	0	1	0	0	0	0
Minneola tangelos	1998-2014	12	1	6	77	0	4	0	0	0	0
Mint	2000-2017	34	3	24	32	1	2	1	2	0	0
Mustard	1999-2017	50	22	17	4	0	5	0	0	0	0
Navel oranges	1998-2014	20	3	3	72	0	2	0	0	0	0
Nursery (container)	1990-1999	9	1	18	11	5	21	8	14	0	0
Nursery (fg&c)	2001-2017	1	7	5	13	5	65	3	0	0	0
Oats	1956-2017	60	10	22	5	0	2	1	1	0	0
Olives	2012-2017	46	4	10	28	0	11	0	0	0	0
Onions	1988-2017	20	8	43	9	1	2	0	16	0	0
Orange trees	1996-2017	0	0	4	6	0	12	0	0	0	77
Oranges	1958-2017	27	3	2	44	0	23	0	0	0	0
Orlando tangelos	1998-2012	0	0	0	100	0	0	0	0	0	0
Papaya	2007-2017	0	0	4	0	0	19	6	72	0	0
Papaya tree	2014-2015	0	0	16	7	0	55	0	22	0	0
Pastures/Range-land forage	2007-2017	0	0	0	0	0	0	0	0	0	100
Peaches	1957-2017	3	13	3	77	0	0	0	0	0	4
Peanuts	1962-2017	68	0	19	2	0	3	0	6	0	1
Pears	1989-2017	19	22	7	47	0	2	0	2	0	0
Pecans	1998-2017	21	8	22	31	0	13	0	4	1	0
Peppers	1984-2017	0	4	55	23	0	14	0	2	0	0
Pistachios	2012-2017	87	0	7	4	0	2	0	0	0	0
Plums	1998-2017	14	29	18	37	0	3	0	0	0	0
Popcorn	1984-2017	43	19	23	6	2	3	0	1	3	0
Potatoes	1962-2017	24	6	41	15	1	2	1	11	0	0
Prevented planting	1982-1994	17	0	42	3	39	0	0	0	0	0
Processing:											
Apricots	1997-2017	10	7	34	44	0	5	0	0	0	0
Beans	1988-2017	46	7	36	5	0	3	0	2	0	0
Cling peaches	1997-2017	19	15	35	30	0	2	0	0	0	0
Cucumbers	2000-2005	40	3	46	5	0	2	0	4	0	0
Freestone	1998-2017	26	11	21	41	0	1	0	0	0	0
Prunes	1986-2017	32	3	33	22	0	10	0	0	0	0
Pumpkins	2009-2017	10	0	63	25	0	0	0	1	1	0
Raisins	1961-2015	0	0	100	0	0	0	0	0	0	0
Rangeland	1999-2008	0	0	0	0	0	0	0	0	0	100
Raspberry and blackberry	2002-2006	7	0	4	49	0	40	0	0	0	0

See note(s) at end of table.

Table 10-1.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948–2017—Continued

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cyclone, tornado, wind, hot wind	In-sects	Dis-ease	De-cline in price	Other
Revenue coverage corn	1996	5	35	47	4	7	1	0	0	0	0
Revenue coverage soybeans	1996	7	22	51	5	12	0	0	2	0	0
Rice	1960-2017	27	0	53	4	4	6	0	2	3	1
Rio red & star ruby	1998-2017	0	5	31	33	0	30	0	0	0	0
Ruby red grapefruit	1998-2017	0	11	38	18	0	32	0	0	0	0
Rye	1980-2017	41	15	27	15	0	1	0	0	0	0
Safflower	1964-2017	56	5	17	12	0	7	2	2	0	0
Sesame	2011-2017	54	3	33	4	0	5	0	0	0	1
Silage sorghum	2005-2017	81	7	2	1	0	9	1	0	0	0
Soybeans	1955-2017	48	7	31	2	3	1	0	0	7	0
Special citrus	1992-1994	7	13	0	80	0	0	0	0	0	0
Stonefruit	1988-1996	3	12	59	19	0	2	0	0	0	4
Strawberries	2000-2015	23	1	33	24	0	0	1	17	0	0
Sugar beets	1965-2017	12	5	47	20	1	6	1	9	0	0
Sugarcane	1967-2017	28	0	16	34	1	9	3	9	0	1
Sunflowers	1976-2017	28	7	47	6	0	3	2	2	2	2
Sweet corn	1978-2017	54	2	24	14	0	4	0	1	0	1
Sweet oranges	1998-2014	23	0	7	64	0	6	0	0	0	0
Sweet potatoes	1998-2017	39	0	48	0	0	8	4	0	0	1
Table grapes	1984-2017	38	8	27	24	0	1	0	0	0	0
Tangelos	1997-2017	31	3	1	42	0	22	0	0	0	0
Tangors	2014-2017	0	0	0	2	0	97	0	0	0	0
Tobacco	1948-1996	32	10	32	2	1	11	0	11	0	1
Tomatoes	1963-2017	35	2	41	9	1	2	2	8	0	0
Tung Nuts	1965-1970	0	0	0	100	0	0	0	0	0	0
Valencia oranges ..	1998-2014	24	3	2	66	0	4	0	0	0	0
Walnuts	1984-2017	29	6	30	30	1	4	0	0	0	0
Watermelons	1999	22	2	11	5	0	7	0	48	0	6
Wheat	1948-2017	45	11	21	13	0	3	0	2	3	0
Whole Farm Revenue Protection	2015-2017	23	8	17	10	0	2	0	1	39	1
Winter squash	1999-2005	38	1	54	0	4	0	0	0	0	2

GRP crops do not have any specific cause of loss.
 RMA, Requirements, Analysis and Validation Branch, (816) 926-7910.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2015–2017

Commodity and year	Coverage				Amount of premium 1,000 dollars	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	Number	1,000 acres	1,000 dollars			1,000 acres	1,000 dollars
Alfalfa seed:								
2015	13	347	32	36,467	2,775	88	6	3,204
2016	24	576	46	65,029	4,615	261	14	10,515
2017	32	708	52	75,875	5,107	126	11	10,425
All other citrus trees:								
2015	28	466	0	46,683	830	0	0	0
2016	28	414	0	42,985	647	0	0	0
2017	28	291	0	36,638	522	1	0	2
All other grapefruit:								
2015	3	0	0	0	0	0	0	0
2016	3	0	0	0	0	0	0	0
2017	3	0	0	0	0	0	0	0
Almonds:								
2015	16	6,112	737	2,908,927	102,605	886	57	62,495
2016	32	6,406	750	3,581,434	135,471	511	37	46,832
2017	32	6,423	757	2,577,500	95,429	538	31	25,140
Annual Forage:								
2015	648	2,267	322	36,943	8,733	1,177	0	6,510
2016	711	1,589	175	37,946	7,894	578	0	4,842
2017	744	2,949	480	133,873	33,783	1,448	0	41,006
Apiculture:								
2015	2,059	6,851	0	101,171	21,840	3,661	0	24,785
2016	2,059	8,618	0	118,332	24,486	2,782	0	11,311
2017	2,059	9,864	0	115,215	25,810	5,652	0	29,852
Apples:								
2015	334	7,095	239	1,167,085	103,428	1,619	30	88,086
2016	600	7,243	226	1,164,785	115,537	1,706	31	105,322
2017	600	7,091	224	1,277,795	119,811	1,133	18	49,251
Avocado trees:								
2015	1	166	0	23,995	868	0	0	0
2016	1	154	0	27,182	960	0	0	0
2017	1	153	0	30,708	1,111	0	0	0
Avocados:								
2015	7	2,242	74	169,202	16,076	526	0	10,446
2016	7	4,120	140	315,600	22,852	600	4	8,512
2017	7	4,048	136	332,124	22,212	1,136	16	48,140
Banana tree:								
2015	4	1	0	685	19	0	0	0
2016	4	1	0	512	14	0	0	0
2017	4	0	0	0	0	0	0	0
Bananas:								
2015	4	4	0	719	8	0	0	0
2016	4	2	0	32	1	0	0	0
2017	4	2	0	764	4	0	0	0
Barley:								
2015	3,696	20,823	2,638	534,285	69,013	4,635	556	37,424
2016	5,331	16,449	2,173	428,615	58,878	2,793	351	28,313
2017	5,379	13,277	1,679	314,770	39,425	3,674	391	27,983
Blueberries:								
2015	77	1,217	69	194,136	11,377	235	7	8,675
2016	161	1,304	64	224,538	12,902	277	6	12,729
2017	169	1,277	67	221,679	13,726	603	18	39,723
Buckwheat:								
2015	22	150	12	2,114	368	62	4	349
2016	32	95	8	1,450	257	7	1	69
2017	32	86	9	1,399	262	10	1	77
Burley tobacco:								
2015	253	6,145	69	180,764	25,242	3,356	42	73,032
2016	497	5,849	67	177,634	31,056	3,904	51	86,072
2017	497	5,788	69	180,233	35,494	2,523	34	55,530
Cabbage:								
2015	29	310	14	28,094	2,047	79	2	3,178
2016	29	313	14	29,395	2,096	72	2	2,397
2017	31	341	15	32,098	2,209	60	2	1,811
Camelina:								
2015	52	1	0	10	1	1	0	6
2016	52	1	0	13	4	0	0	0
2017	52	2	0	16	3	0	0	0

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2015–2017—Continued

Commodity and year	Coverage				Amount of premium 1,000 dollars	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	Number	1,000 acres	1,000 dollars			1,000 acres	1,000 dollars
Canola:								
2015	552	12,722	1,719	321,720	56,784	4,057	484	27,365
2016	966	11,752	1,644	313,342	60,724	1,525	189	16,548
2017	1,005	13,775	1,990	399,902	80,847	4,986	679	57,363
Carambola trees:								
2015	2	10	0	1,640	56	0	0	0
2016	2	9	0	1,764	62	0	0	0
2017	2	10	0	1,834	65	0	0	0
Cherries:								
2015	64	3,531	89	471,589	42,837	1,117	26	53,623
2016	64	3,458	87	488,713	50,036	1,230	25	61,619
2017	64	3,411	83	483,413	55,817	845	17	35,779
Chile Peppers:								
2015	3	20	2	904	39	1	0	14
2016	3	22	2	1,028	50	1	0	13
2017	3	17	2	739	29	0	0	0
Cigar binder tobacco:								
2015	16	331	3	17,585	4,527	47	0	2,308
2016	21	318	3	15,770	4,473	19	0	565
2017	21	355	3	19,100	5,214	75	0	2,484
Cigar filler tobacco:								
2015	3	8	0	235	4	1	0	0
2016	3	11	0	228	3	0	0	0
2017	3	11	0	291	5	0	0	0
Cigar wrapper tobacco:								
2015	5	11	0	3,589	199	7	0	452
2016	5	7	0	1,917	222	0	0	0
2017	5	10	0	1,387	179	1	0	286
Clams:								
2015	9	88	0	17,272	430	21	0	1,965
2016	9	48	0	15,285	373	5	0	108
2017	9	116	0	20,041	657	14	0	1,004
Clary sage:								
2016	4	139	18	12,576	1,351	50	7	1,702
2017	4	199	22	15,356	1,671	77	7	1,670
Coffee:								
2015	4	92	4	12,375	378	31	0	393
2016	4	112	4	15,933	428	37	0	459
2017	4	104	4	16,729	411	15	0	81
Coffee tree:								
2015	4	45	0	17,644	58	0	0	0
2016	4	40	0	21,347	78	0	0	0
2017	4	67	0	20,944	85	0	0	0
Corn:								
2015	15,951	711,280	78,409	40,324,391	3,686,239	124,675	12,268	1,679,319
2016	17,208	714,808	82,188	39,592,356	3,536,038	97,595	9,539	952,538
2017	17,232	677,636	78,870	39,423,659	3,452,927	133,469	12,053	1,234,909
Cotton:								
2015	5,922	131,925	8,591	2,992,687	658,299	36,395	4,011	391,312
2016	5,922	133,165	9,454	3,343,444	652,525	28,974	3,722	360,111
2017	5,922	152,980	11,701	4,935,659	931,465	29,474	4,814	540,775
Cotton exlong staple:								
2015	29	1,230	256	212,895	33,164	635	146	94,042
2016	58	1,152	248	216,052	25,068	455	131	61,469
2017	58	1,231	254	298,582	21,156	220	45	15,144
Cranberries:								
2015	30	682	33	86,551	2,501	86	3	3,061
2016	30	659	33	112,398	3,253	53	1	1,443
2017	30	642	32	111,701	3,236	86	3	3,434
Cucumbers:								
2015	40	428	31	20,644	1,655	105	6	1,973
2016	55	431	28	19,237	1,614	157	10	2,480
2017	72	405	27	18,752	1,588	76	4	1,108
Cultivated wild rice:								
2015	11	91	26	21,290	1,381	15	7	1,939
2016	22	97	27	26,164	1,336	4	0	98
2017	22	102	25	24,906	1,301	8	1	359

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2015–2017—Continued

Commodity and year	Coverage				Amount of premium 1,000 dollars	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	Number	1,000 acres	1,000 dollars			1,000 acres	1,000 dollars
Dark air tobacco:								
2015	30	809	5	18,513	677	156	1	1,583
2016	59	805	4	18,503	751	501	3	6,102
2017	30	973	6	27,382	1,315	138	1	2,572
Dry beans:								
2015	484	15,873	1,384	538,134	75,597	4,345	418	57,855
2016	938	13,411	1,219	398,414	55,808	3,364	310	59,731
2017	938	14,283	1,341	525,561	73,808	3,030	238	40,028
Dry Peas:								
2015	373	13,006	1,718	312,956	47,189	4,428	537	49,095
2016	725	16,384	2,400	445,116	75,592	2,829	399	38,049
2017	372	16,765	2,599	480,845	85,722	8,794	1,489	128,107
Early and Midseason oranges:								
2015	3	285	4	4,011	235	26	0	75
2016	3	181	4	3,590	143	28	0	96
2017	3	175	4	3,750	148	31	0	143
Figs:								
2015	4	64	4	6,518	317	4	1	245
2016	4	56	4	7,081	265	2	0	110
2017	4	70	4	8,220	254	1	0	52
Fired cured tobacco:								
2015	41	1,314	14	67,936	2,867	174	2	4,517
2016	63	1,315	12	67,511	3,345	627	6	18,230
2017	63	1,474	15	87,511	5,068	223	2	6,344
Flax:								
2015	142	4,541	426	52,844	7,672	719	57	3,002
2016	265	3,432	339	38,250	5,463	438	41	2,210
2017	265	2,660	261	31,800	4,721	1,444	143	7,752
Flue cured tobacco:								
2015	146	11,211	215	661,559	48,117	3,495	69	105,497
2016	291	11,737	209	665,245	56,423	4,459	86	131,290
2017	291	11,467	206	637,772	61,844	3,099	65	92,276
Forage production:								
2015	780	20,382	2,717	562,794	52,561	3,261	352	35,767
2016	1,404	17,892	2,447	446,108	38,827	4,923	846	36,336
2017	1,404	15,938	2,220	276,726	25,816	6,959	1,111	44,688
Forage seeding:								
2015	590	4,798	215	37,269	4,923	1,261	49	5,140
2016	589	3,731	167	28,524	3,857	1,509	61	6,857
2017	590	3,067	151	25,550	3,231	67	3	391
Fresh apricots:								
2015	29	148	3	11,779	1,543	23	1	1,239
2016	29	136	3	10,645	1,395	13	0	369
2017	29	129	3	12,275	1,652	36	1	1,364
Fresh freestone peaches:								
2015	25	727	18	53,357	1,459	60	1	614
2016	25	709	17	58,519	1,484	47	0	445
2017	25	697	19	68,859	1,629	83	1	1,345
Fresh market beans:								
2015	15	26	5	2,653	301	10	2	376
2016	15	27	4	2,192	193	16	2	538
2017	15	26	5	3,441	378	4	1	151
Fresh market sweet corn:								
2015	230	665	43	43,574	3,225	86	3	1,727
2016	230	687	46	47,286	3,468	108	4	2,513
2017	230	627	49	45,650	3,375	77	4	2,838
Fresh market tomatoes:								
2015	59	520	39	145,981	14,423	109	4	8,626
2016	57	521	33	122,698	13,060	173	5	12,273
2017	57	451	31	119,977	12,600	144	4	11,951
Fresh nectarines:								
2015	24	721	15	49,916	3,005	91	1	808
2016	24	750	15	55,022	3,250	46	0	388
2017	24	705	17	58,234	3,326	97	1	1,667

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2015–2017—Continued

Commodity and year	Coverage				Amount of premium <i>1,000 dollars</i>	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>			<i>1,000 acres</i>	<i>1,000 dollars</i>
Grain sorghum:								
2015	5,196	91,944	6,785	1,103,678	255,757	17,166	1,343	84,074
2016	7,074	72,591	5,373	843,629	189,737	11,908	947	50,334
2017	7,074	54,414	4,138	678,925	150,471	9,680	804	48,947
Grapefruit:								
2015	41	832	46	80,033	4,020	27	1	532
2016	41	763	41	73,023	3,645	31	1	637
2017	53	667	37	54,592	2,375	134	15	4,926
Grapefruit trees:								
2015	31	2,382	0	370,604	10,060	0	0	0
2016	31	2,232	0	357,200	9,168	0	0	0
2017	31	2,030	0	325,166	7,914	0	0	0
Grapes:								
2015	110	17,384	585	1,454,191	54,555	3,496	62	62,878
2016	200	17,034	571	1,450,793	50,192	1,368	26	20,167
2017	200	16,712	573	1,507,399	49,791	1,822	37	32,081
Grass seed:								
2015	6	98	31	7,074	727	12	4	363
2016	20	134	50	11,860	1,220	9	2	273
2017	20	106	29	7,095	618	3	0	85
Green peas:								
2015	170	2,034	139	62,522	6,549	507	35	8,722
2016	321	1,764	126	59,661	6,253	546	37	8,814
2017	321	1,620	117	56,427	6,460	398	31	7,493
Hybrid corn seed:								
2015	229	4,180	272	207,456	13,058	444	26	7,072
2016	458	5,628	377	276,577	17,179	344	19	4,877
2017	462	5,758	382	300,184	17,744	205	11	2,041
Hybrid seed rice:								
2016	50	133	14	16,238	1,431	59	5	1,950
2017	50	160	17	18,125	1,486	0	2	0
Hybrid sorghum seed:								
2015	26	488	36	16,230	1,748	30	2	885
2016	52	356	21	8,604	1,024	68	4	966
2017	52	344	24	8,975	797	38	2	528
Hybrid sweet corn seed:								
2016	15	0	0	0	0	0	0	0
2017	15	0	0	0	0	0	0	0
Late oranges:								
2015	3	97	1	1,414	241	19	0	39
2016	3	95	1	1,555	251	10	0	38
2017	3	62	1	1,102	125	4	0	27
Lemons:								
2015	19	846	43	135,106	7,623	63	0	2,589
2016	19	861	45	140,484	8,333	21	1	1,115
2017	34	859	44	153,552	9,540	19	1	1,855
Lime trees:								
2015	3	1	0	37	1	0	0	0
2016	6	6	0	1,224	30	0	0	0
2017	5	10	0	1,854	34	0	0	0
Macadamia nuts:								
2015	3	102	12	20,678	637	1	0	33
2016	3	103	12	18,233	411	6	1	503
2017	3	39	12	17,289	220	8	1	818
Macadamia trees:								
2015	3	133	13	52,514	538	0	0	0
2016	3	36	12	51,390	362	0	0	0
2017	3	50	12	51,874	298	0	0	0
Mandarins/								
Tangerines:								
2015	41	973	40	192,912	19,020	73	0	3,624
2016	41	1,003	44	228,577	21,461	76	5	11,782
2017	53	989	48	265,371	23,135	52	3	4,040
Mango trees:								
2015	1	13	0	436	17	0	0	0
2016	1	13	0	531	20	0	0	0
2017	1	20	0	837	33	0	0	0
Maryland tobacco:								
2015	6	2	0	2	0	2	0	2
2016	6	1	0	1	0	1	0	1
2017	6	0	0	0	0	0	0	0

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2015–2017—Continued

Commodity and year	Coverage				Amount of premium 1,000 dollars	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	Number	1,000 acres	1,000 dollars			1,000 acres	1,000 dollars
Millet:								
2015	68	4,700	364	29,006	6,449	681	55	2,145
2016	138	4,381	348	24,172	5,666	926	80	2,632
2017	138	4,267	348	20,310	4,882	1,162	95	3,086
Mint:								
2015	31	248	20	17,998	696	63	2	504
2016	48	345	22	20,869	1,074	85	3	952
2017	48	269	16	14,898	835	67	3	1,211
Mustard:								
2015	50	165	23	2,784	629	51	8	376
2016	75	468	68	9,310	2,322	93	16	1,513
2017	45	318	638	6,088	1,684	151	26	1,411
Nursery (FG & C):								
2015	2,799	2,784	0	1,462,389	31,072	36	0	678
2016	2,799	2,666	0	1,376,494	25,286	52	0	5,909
2017	2,799	2,418	0	1,255,817	23,716	26	0	2,525
Oats:								
2015	1,505	11,518	539	54,597	9,382	1,435	59	3,373
2016	2,805	8,956	435	42,191	7,476	1,942	98	5,449
2017	2,805	8,505	437	42,145	7,555	3,376	193	12,843
Olives:								
2015	13	458	26	37,350	3,546	81	2	1,649
2016	13	440	25	29,418	2,942	71	3	1,425
2017	13	4426	24	36,254	3,614	15	1	511
Onions:								
2015	100	1,702	103	200,708	36,037	868	28	41,274
2016	176	1,761	109	214,439	38,855	703	25	33,301
2017	176	1,725	101	218,655	39,817	652	23	31,322
Orange trees:								
2015	31	6,098	0	2,545,926	39,794	2	0	96
2016	31	5,552	0	2,435,290	28,456	2	0	188
2017	31	4,654	0	2,153,240	24,472	0	0	0
Oranges:								
2015	48	7,584	497	711,372	33,117	458	0	8,821
2016	48	6,721	470	664,229	31,254	285	6	5,404
2017	63	6,080	438	639,121	29,342	189	5	3,131
Papaya:								
2015	4	56	0	1,795	46	9	0	200
2016	4	30	0	1,111	27	7	0	49
2017	4	36	0	1,347	32	0	0	0
Papaya tree:								
2015	4	10	0	345	6	5	0	38
2016	4	10	0	331	5	0	0	0
2017	4	15	0	403	5	2	0	22
Pasture/Range-land/Forage:								
2015	2,059	119,588	54,662	1,045,696	216,392	37,693	0	126,541
2016	3,069	118,250	51,791	1,390,778	280,785	45,180	0	178,749
2017	3,069	140,648	74,933	1,744,636	380,367	64,179	0	340,659
Peaches:								
2015	222	1,457	33	81,208	19,901	495	10	16,967
2016	383	1,412	32	82,363	21,536	526	9	13,364
2017	383	1,410	31	82,056	22,499	735	19	42,934
Peanuts:								
2015	1,065	25,319	1,501	737,533	72,638	6,938	365	96,398
2016	2,103	24,324	1,412	691,187	67,355	6,708	339	84,986
2017	2,139	27,933	1,641	857,567	71,363	4,871	251	58,603
Pears:								
2015	29	1,809	33	134,668	2,843	123	2	2,022
2016	29	1,906	33	148,782	3,428	140	3	2,895
2017	29	1,945	33	178,009	4,224	191	3	4,644
Pecans:								
2015	147	1,736	157	234,365	14,720	332	23	9,322
2016	138	1,800	159	277,124	15,826	250	13	8,179
2017	138	1,822	163	286,402	16,323	149	11	4,733
Peppers:								
2015	13	114	7	21,327	2,271	34	1	2,757
2016	13	129	6	25,384	3,225	56	2	4,850
2017	13	127	6	26,651	3,643	52	2	8,024

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2015–2017—Continued

Commodity and year	Coverage				Amount of premium 1,000 dollars	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	Number	1,000 acres	1,000 dollars			1,000 acres	1,000 dollars
Pistachios:								
2015	24	611	105	431,109	15,670	332	76	193,093
2016	24	764	138	899,211	47,242	23	2	1,877
2017	24	806	146	377,099	20,628	82	24	12,957
Plums:								
2015	23	754	14	30,890	3,203	212	2	2,494
2016	23	698	12	37,107	3,906	114	1	1,286
2017	23	664	13	39,755	3,899	107	1	1,943
Popcorn:								
2015	2,634	2,222	218	132,392	10,460	542	57	12,467
2016	3,273	2,207	224	136,616	10,269	317	30	2,750
2017	3,297	1,965	200	124,945	8,764	272	24	3,241
Potatoes:								
2015	314	5,766	844	1,132,500	83,028	936	58	44,047
2016	531	5,541	766	1,087,072	79,747	932	68	47,612
2017	531	5,102	725	1,089,649	80,965	410	24	21,987
Processing apricots:								
2015	13	66	3	5,488	804	32	2	1,437
2016	13	59	3	6,465	944	19	1	1,595
2017	13	61	3	6,946	1,055	15	0	1,003
Processing beans:								
2015	146	1,497	94	49,684	4,545	328	16	4,551
2016	252	1,505	93	47,094	4,451	382	20	4,878
2017	258	1,389	87	46,741	4,467	235	11	3,550
Processing cling peaches:								
2015	10	818	15	54,825	2,115	33	0	642
2016	10	841	14	53,104	1,977	58	2	2,231
2017	10	833	14	59,892	2,343	73	1	1,364
Processing freestone:								
2015	8	90	2	7,379	236	6	0	84
2016	8	96	2	11,727	328	2	0	68
2017	8	96	3	11,516	277	7	0	293
Prunes:								
2015	14	773	44	113,537	23,311	146	8	9,707
2016	28	723	40	114,396	24,624	564	28	55,134
2017	28	722	40	109,723	23,759	118	6	7,431
Pumpkins:								
2015	11	180	8	5,150	296	142	6	1,916
2016	22	216	10	6,700	418	26	1	322
2017	22	200	10	6,673	462	67	4	1,289
Raisins:								
2015	7	2,509	0	243,790	11,129	360	0	1,819
2016	7	2,154	0	173,769	6,567	18	0	97
2017	7	1,665	0	93,793	2,961	272	0	1,182
Rice:								
2015	771	23,448	2,648	1,505,853	69,160	5,343	661	189,166
2016	999	21,412	2,746	1,698,826	87,693	5,076	608	106,174
2017	99	18,592	2,384	1,261,061	75,441	4,648	638	179,298
Rio Red & Star Ruby:								
2015	3	330	12	15,196	3,226	72	0	750
2016	3	324	12	16,383	2,230	74	1	893
2017	3	313	12	16,686	2,319	41	1	591
Ruby red grapefruit:								
2015	3	48	1	561	94	17	0	75
2016	3	46	1	529	57	13	0	58
2017	3	39	1	433	49	9	0	34
Rye:								
2015	48	568	45	5,420	976	157	9	613
2016	89	687	56	6,044	1,098	185	12	797
2017	89	406	36	2,948	511	150	12	730
Safflower:								
2015	83	639	122	10,467	1,884	113	20	868
2016	164	590	110	11,651	2,113	85	15	1,126
2017	164	594	108	10,710	1,731	173	25	1,623

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2015–2017—Continued

Commodity and year	Coverage				Amount of premium <i>1,000 dollars</i>	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>			<i>1,000 acres</i>	<i>1,000 dollars</i>
Sesame:								
2015	53	1,148	68	10,502	2,131	421	27	2,518
2016	102	231	18	1,738	424	70	4	240
2017	102	321	20	1,862	613	146	8	464
Silage Sorghum:								
2015	97	770	63	15,388	2,117	88	8	1,013
2016	194	548	51	11,532	1,621	36	3	366
2017	194	545	48	11,065	1,323	51	3	395
Soybeans:								
2015	13,263	709,254	74,557	24,285,692	2,107,452	147,727	12,637	1,156,246
2016	14,187	687,014	73,301	22,166,767	1,851,690	74,443	5,533	384,407
2017	14,265	700,982	79,854	28,404,950	2,555,523	124,713	11,076	758,557
Strawberries:								
2015	6	16	1	22,034	719	1	0	111
2016	6	17	1	22,048	971	0	0	0
2017	7	5	0	4,883	89	0	0	0
Sugar beets:								
2015	120	14,011	1,040	817,279	41,518	919	55	10,115
2016	239	13,784	1,025	922,789	50,574	1,823	115	37,729
2017	239	13,142	992	848,902	46,772	772	47	9,196
Sugarcane:								
2015	31	4,832	760	226,401	3,697	194	9	978
2016	62	5,647	782	263,589	3,962	142	6	1,082
2017	62	4,737	767	320,899	5,860	23	1	281
Sunflowers:								
2015	915	10,510	1,697	306,477	52,318	2,687	359	31,482
2016	1,794	8,238	1,436	269,028	46,964	1,602	199	20,625
2017	1,794	6,848	1,222	245,575	47,132	1,724	238	25,787
Sweet corn:								
2015	166	2,541	209	87,790	4,384	266	19	5,208
2016	332	2,477	199	85,355	4,399	322	23	5,743
2017	166	2,710	226	102,611	5,248	364	24	4,483
Sweet potatoes:								
2015	9	18	7	4,105	320	1	0	12
2016	9	26	9	7,462	726	4	2	1,141
2017	9	23	7	8,357	989	2	1	385
Table grapes:								
2015	10	1,141	78	294,108	8,777	134	4	9,580
2016	10	1,168	77	313,270	9,242	134	3	6,587
2017	10	1,161	77	326,187	9,277	164	4	12,983
Tangelos:								
2015	39	477	9	18,573	1,548	25	0	395
2016	39	446	9	19,407	1,601	24	1	741
2017	49	382	8	20,811	1,586	33	1	601
Tangerine trees:								
2015	3	13	9	319	14	0	0	0
2016	3	12	9	383	17	0	0	0
2017	3	12	9	411	16	0	0	0
Tangors:								
2015	29	248	5	10,115	535	0	0	0
2016	29	210	5	9,900	503	2	0	43
2017	29	185	4	9,690	491	6	0	81
Tomatoes:								
2015	93	3,198	297	678,911	14,194	163	11	8,254
2016	148	2,896	263	605,795	13,850	130	12	8,465
2017	148	2,649	230	487,623	11,371	211	15	9,218
Walnuts:								
2015	26	1,750	154	436,226	9,910	50	2	1,208
2016	52	1,786	158	307,507	6,914	80	3	2,192
2017	52	1,832	157	249,162	5,959	141	7	3,506
Wheat:								
2015	10,530	461,797	46,816	8,416,235	1,284,680	182,582	16,557	1,218,752
2016	15,516	410,170	42,829	6,774,928	1,110,568	70,963	8,061	501,095
2017	15,522	344,416	37,234	5,888,792	892,823	83,494	10,623	745,806
Whole Farm Revenue Protection:								
2015	2,544	1,122	0	1,145,724	52,992	339	0	69,057
2016	3,140	2,195	0	2,325,753	118,266	675	0	170,285
2017	3,140	2,722	0	2,871,883	145,768	152	0	10,353

RMA, Requirements, Analysis and Validation Branch, (816) 926-7910.

Table 10-3.—Farm real estate debt: Amount outstanding by lender, United States, Dec. 31, 2008–2017¹

Year	Farm Credit System	Farm Service Agency	Farmer Mac	Commercial banks ¹
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
2008	62.8	2.5	2.4	46.4
2009	69.1	2.6	2.1	44.2
2010	72.5	3.5	3.6	51.2
2011	75.3	3.3	3.8	52.9
2012	80.3	3.7	3.8	64.6
2013	85.3	3.7	4.5	68.9
2014	88.8	4.3	4.7	73.3
2015	96.7	4.9	4.8	79.2
2016	103.7	5.9	5.5	84.4
2017	107.7	6.1	6.3	88.7

Year	Individuals and others ¹	Life insurance companies	Storage facility loans	Total farm mortgage debt
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
2008	19.6	13.7	0.4	147.9
2009	14.2	13.3	0.5	146.0
2010	10.2	12.4	0.6	154.1
2011	18.1	13.0	0.7	167.2
2012	8.7	11.5	0.7	173.4
2013	10.1	12.0	0.7	185.2
2014	12.5	12.4	0.8	196.8
2015	10.0	12.5	0.8	208.8
2016	12.5	13.2	0.7	226.0
2017	13.5	15.1	0.8	238.1

Data as of August 30, 2018.
¹ Beginning with 2012 estimates, farm sector debt held by savings associations is reported with the commercial bank lender group instead of the individuals and others grouping.
 ERS, Farm Income Team, (202) 694-5586. FarmIncomeTeam@ers.usda.gov. <http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx>.

Table 10-4.—Nonreal estate farm debt: Amount outstanding, by lender, United States, Dec. 31, 2008–2017

Year	Commercial banks ¹	Farm Credit System	Farm Service Agency	Individuals and others ¹	Total nonreal estate debt
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
2008	56.3	36.0	3.0	17.9	113.2
2009	57.2	39.0	3.3	22.9	122.4
2010	56.2	39.2	3.6	25.8	124.9
2011	59.2	41.1	3.5	23.5	127.3
2012	59.9	42.7	3.4	18.2	124.2
2013	63.7	44.0	2.8	19.6	130.2
2014	70.7	47.9	3.6	26.2	148.4
2015	73.2	48.3	3.7	22.8	148.0
2016	73.2	49.4	3.8	21.8	148.2
2017	73.3	51.2	4.0	26.6	155.0

Data as of August 30, 2018.
¹ Beginning with 2012 estimates, farm sector debt held by savings associations is reported with the commercial bank lender group instead of the individuals and others grouping.
 ERS, Farm Income Team, (202) 694-5586. FarmIncomeTeam@ers.usda.gov. <http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx>.

Table 10-5.—Farm Service Agency: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 2008–2017¹

Year	Loans to individuals				
	Farm ownership			Soil and water	Recreation
	New borrowers	Loans made	Outstanding Jan. 1	Outstanding Jan. 1	Outstanding Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2008	4,335	1,552,303	8,876,232	13,954	514
2009	5,048	1,832,709	9,800,441	12,469	267
2010	6,281	2,308,813	10,875,039	10,364	4,632
2011	5,945	2,486,929	11,872,786	8,053	208
2012	4,976	2,029,778	12,498,221	6,585	191
2013	4,224	1,946,912	12,842,052	5,483	133
2014	7,418	3,012,450	13,768,000	4,617	102
2015	7,366	3,049,028	14,985,868	4,082	79
2016	7,849	3,487,629	16,560,650	3,579	64
2017	7,721	3,322,717	18,195,830	2,864	46

Year	Loans to individuals					
	Operating			Emergency		
	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>
2008	8,207	1,710,441	5,731,149	385	44,994	792,120
2009	11,778	2,611,248	6,500,532	177	30,401	726,370
2010	12,056	2,934,097	7,047,105	187	35,598	661,950
2011	10,064	2,285,131	6,953,778	176	32,610	578,846
2012	10,325	2,103,112	6,594,239	155	31,436	537,640
2013	10,685	1,960,150	6,254,820	224	23,340	479,869
2014	12,039	2,201,420	6,214,490	118	18,106	428,304
2015	12,564	2,616,666	6,352,898	82	13,383	385,951
2016	12,401	2,832,984	6,778,399	195	42,725	379,094
2017	13,022	2,650,932	7,135,916	55	15,131	343,455

Year	Loans to associations			Economic opportunity individual loans	Economic emergency loans
	Indian tribe land acquisition	Grazing association	Irrigation, drainage, and soil conservation	Outstanding Jan. 1	Outstanding Jan. 1
	Outstanding Jan. 1	Outstanding Jan. 1	Outstanding 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>
2008	43,764	2,945	1,045	6	135,303
2009	38,510	2,590	860	6	117,942
2010	34,306	2,232	707	6	100,515
2011	29,539	1,848	605	6	85,915
2012	25,112	1,618	511	6	76,843
2013	24,246	1,014	468	6	65,040
2014	19,825	798	284	6	57,053
2015	15,590	673	227	6	49,517
2016	11,619	408	181	5	42,545
2017	10,461	365	152	4	39,216

¹ 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.
FSA, Loan Making Division, (202) 690-4006.

Table 10-6.—Farmers’ marketing, farm supply, and related service cooperatives: Number, memberships, and business volume, United States, 2008–2017

Year ¹	Cooperatives ²				Estimated memberships ⁴			
	Marketing	Farm supply	Related service ³	Total	Marketing	Farm supply	Related service ³	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>
2008	1,354	1,011	110	2,475	809	1,509	36	2,354
2009	1,277	992	121	2,390	754	1,448	35	2,237
2010	1,215	974	125	2,314	737	1,463	35	2,234
2011	1,222	935	128	2,285	846	1,398	36	2,279
2012	1,200	916	120	2,236	652	1,426	37	2,115
2013	1,195	871	120	2,186	655	1,284	37	1,977
2014	1,114	876	116	2,106	627	1,333	35	1,996
2015	1,079	874	94	2,047	591	1,296	34	1,921
2016	1,040	827	86	1,953	584	1,280	37	1,901
2017	1,010	777	84	1,871	604	1,251	35	1,890

Year ¹	Marketing volume		Farm supply volume		Service	Total marketing and farm supply volume and service receipts	
	Gross ⁵	Net ⁶	Gross ⁵	Net ⁶	Receipts ⁷	Gross ⁵	Net ⁶
	<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>
2008	118.197	111.699	70.525	51.172	4.744	193.465	167.615
2009	101.386	94.558	62.999	47.362	4.940	169.325	146.860
2010	103.031	95.756	63.842	47.118	4.930	171.803	147.805
2011	128.041	121.784	80.898	57.322	4.453	213.391	187.100
2012	140.900	133.200	92.200	64.700	4.700	237.800	202.600
2013	144.615	135.810	95.933	67.175	5.572	246.120	208.557
2014	147.731	138.340	92.624	65.638	6.315	246.670	210.293
2015	124.892	115.409	81.709	59.023	5.458	212.059	179.890
2016	114.587	108.603	71.048	51.589	5.440	191.075	165.632
2017	119.807	112.754	71.754	51.516	5.579	197.141	169.849

¹ Reports of cooperatives are included for their fiscal year ending in calendar year. ² 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. ³ Includes cooperatives whose major activity is providing services related to marketing and farm supply activities. ⁴ 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.) ⁵ 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. ⁶ Estimated net business represents the value at the first level at which cooperatives transact business for farmers, adjusted for duplication resulting from intercooperative business. ⁷ Services related to marketing or purchasing but not included in the volumes reported for those activities, plus other operating and non-operating income and losses and extraordinary items.

Rural Development, Cooperative Programs, (202) 720-7395.

Table 10-7.—Farmers' cooperatives: Business volume of marketing, farm supply, and related service cooperatives, United States, 2016–2017

Item	Gross business		Net business ¹	
	2016	2017	2016	2017
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Products marketed:				
Beans and peas (dry edible)	0.208	0.275	0.205	0.272
Cotton and cotton products	2.330	2.956	2.187	2.900
Dairy products	39.818	42.338	38.562	39.417
Fish	0.228	0.219	0.228	0.219
Fruits and vegetables	8.276	8.256	5.913	6.418
Grain and oilseeds ²	44.912	47.169	44.294	46.596
Livestock and livestock products	3.779	3.976	3.779	3.976
Nuts	1.747	1.588	1.745	1.588
Poultry products	0.672	0.710	0.672	0.710
Rice	0.741	1.523	0.741	1.523
Sugar products	5.708	5.478	4.539	4.247
Tobacco	0.291	0.321	0.291	0.321
Wool and mohair	0.005	0.009	0.005	0.009
Other products ³	5.872	4.989	5.442	4.558
Total farm products	114.587	119.807	107.526	112.754
Supplies purchased:				
Crop protectants	10.044	10.821	6.486	6.970
Feed	11.107	11.005	9.093	8.938
Fertilizer	12.465	12.051	10.425	9.884
Petroleum	25.780	26.292	17.031	16.963
Seed	6.020	5.680	3.423	3.507
Other supplies ⁴	5.631	5.905	5.132	5.254
Total farm supplies	71.047	71.754	51.590	51.516
Receipts for services: ⁵				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous	5.440	5.579	5.440	5.579
Total business	191.075	197.141	165.632	169.849

¹Represents value at the first level at which cooperatives transact business for farmers; adjusted for inter-cooperative business. ²Excludes oilseed meal and oil. Oilseed meal is included in feed sales while oil sales are included in other products sales. ³Includes coffee, forest products, hay, hops, seed marketed for growers, nursery stock, other farm products not separately classified, and sales of farm products not received directly from member-patrons. Also includes manufactured food products and resale items marketed by cooperatives. ⁴Includes automotive supplies, building material, chicks, containers, farm machinery and equipment, hardware, meats and groceries, and other supplies not separately classified. ⁵Trucking, cotton ginning, storage, grinding, locker plants, and/or miscellaneous services related to marketing or purchasing but not included in the volume reported for those activities, plus other operating and non-operating income and losses and extraordinary items.

Rural Development, Cooperative Programs, (202) 720-7395.

Table 10-8.—Farmers' cooperatives: Number of cooperatives, memberships, and business volume of marketing, farm supply, and related service cooperatives, by State, United States and Foreign, 2016–2017

State	Cooperatives headquartered in State		Memberships in State ¹		Net business ¹	
	2016	2017	2016	2017	2016	2017
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Million dollars</i>	<i>Million dollars</i>
Alabama	44	44	25,502	25,500	851.50	808.84
Arkansas	29	28	34,096	31,027	2,165.62	2,031.49
California	103	102	34,989	34,538	10,452.62	12,569.71
Colorado	25	25	17,513	17,849	1,044.90	2,174.24
Florida	24	24	19,851	18,258	1,769.71	2,260.42
Georgia	10	10	13,928	13,947	1,232.30	1,230.56
Hawaii	10	9	518	488	21.53	19.83
Idaho	22	21	12,518	12,896	1,397.70	11,510.42
Illinois	94	91	113,372	122,443	11,968.02	17,047.01
Indiana	29	29	53,037	57,420	3,240.19	3,750.11
Iowa	80	76	96,779	95,266	16,819.32	2,407.56
Kansas	84	77	97,213	96,298	7,149.87	6,987.48
Kentucky	23	20	161,729	160,955	1,336.64	1,361.59
Louisiana	29	27	9,993	9,410	1,919.63	1,608.10
Maine	21	21	4,850	5,488	206.58	280.46
Maryland	10	11	35,768	36,380	660.29	605.81
Massachusetts	7	7	4,226	4,716	282.25	283.26
Michigan	38	35	38,441	38,651	3,759.91	4,829.56
Minnesota	178	170	122,992	129,738	19,918.94	19,202.38
Mississippi	40	40	42,928	42,324	1,237.78	1,091.70
Missouri	58	54	94,610	93,657	7,107.68	5,188.49
Montana	39	41	22,036	22,444	2,023.39	2,098.14
Nebraska	43	38	61,836	58,154	8,536.69	8,080.10
New Jersey	10	10	1,340	1,608	225.50	249.90
New York	48	47	7,337	10,903	3,268.73	3,809.87
North Carolina	11	10	22,358	23,132	769.08	827.14
North Dakota	134	123	76,684	70,530	7,965.19	7,830.60
Ohio	37	34	40,380	39,847	4,235.19	4,849.47
Oklahoma	49	47	36,864	38,493	1,603.73	1,610.13
Oregon	27	26	28,204	26,624	4,337.31	4,398.51
Pennsylvania	32	27	8,328	12,828	2,081.85	2,837.07
South Dakota	65	65	62,390	58,812	6,016.08	6,156.81
Tennessee	58	57	70,706	67,622	1,949.74	1,766.41
Texas	166	158	72,221	71,829	5,451.27	5,690.99
Utah	10	10	9,499	10,284	559.26	895.66
Virginia	46	44	124,391	116,785	1,855.90	1,728.54
Washington	57	56	26,043	25,711	5,400.59	5,065.42
West Virginia	12	9	60,921	58,184	113.64	101.40
Wisconsin	106	107	111,519	102,540	10,299.59	8,896.87
Wyoming	9	7	4,382	4,151	485.12	533.54
Other States ²	36	34	18,841	21,801	3,233.29	4,567.13
United States	1,953	1,871	1,901,133	1,889,529	164,954.13	169,242.72
Foreign ³			285	528	677.80	606.73
Total	1,953	1,871	1,901,418	1,890,057	165,631.92	169,849.44

¹Represents value at the first level at which cooperatives transact business for farmers. Totals may not add due to rounding. ²Dollar volume or membership is not shown to avoid disclosing operations of individual cooperatives. ³Sales outside the United States and sales of certain products not received directly from member-patrons. Rural Development, Cooperative Programs, (202) 720-7395.

Table 10-9.—Rural Utilities Service: Long-term electric financing approved by purpose, by States and United States as of December 31, 2011

State	Borrowers	Total financing approved						Loan estimates	
		RUS loans ¹	Non-RUS financing		Financing approved by purpose			Miles of line	Consumers
			With RUS guarantee ²	Without RUS guarantee ³	Distribution	Generation and transmission ³	Consumer facilities		
	Number	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Number	Number
AL	27	902,681	1,808,680	280,177	1,296,291	1,693,889	1,359	69,762	658,661
AK	18	864,376	670,188	198,024	678,309	1,053,190	1,089	11,157	197,575
AZ	15	423,646	957,481	220,448	705,799	895,285	490	23,372	243,293
AR	20	1,086,615	2,708,733	813,414	1,892,049	2,712,241	4,471	78,753	614,860
CA	10	95,586	56,513	7,216	117,757	41,501	56	6,828	80,037
CO	25	1,377,508	4,034,083	794,956	1,804,302	4,402,171	74	78,247	514,191
CT	-	-	-	-	-	-	-	-	-
DE	1	85,430	57,300	31,266	173,132	861	3	7,646	99,435
FL	18	1,467,692	2,565,326	1,153,744	2,448,286	2,735,958	2,519	77,937	1,048,309
GA	52	2,540,840	10,562,822	1,852,266	5,342,708	9,610,261	2,959	186,166	2,126,681
HI	1	215,000	142,928	8,240	282,314	83,854	-	872	31,099
ID	10	196,308	92,542	36,612	285,187	39,078	1,197	13,079	72,575
IL	29	628,023	1,352,350	638,935	709,872	1,909,224	212	55,715	256,959
IN	46	526,088	2,894,224	707,487	831,699	3,295,383	717	60,054	498,583
IA	45	857,085	1,000,326	173,640	911,243	1,119,411	397	67,365	219,974
KS	31	782,940	1,053,657	206,156	1,061,806	980,531	415	78,735	293,224
KY	26	1,766,221	5,430,379	1,581,746	2,726,967	6,050,220	1,159	94,386	969,693
LA	20	772,408	3,134,623	425,178	1,267,910	3,064,122	177	56,828	565,227
ME	5	41,737	22,350	20,396	51,425	33,014	44	2,183	20,708
MD	2	368,228	144,253	140,356	536,899	115,937	-	15,312	1,189,187
MA	-	-	-	-	-	-	-	-	-
MI	10	665,087	1,090,491	92,692	893,022	954,775	473	40,471	334,575
MN	46	1,687,889	2,749,021	556,717	2,492,135	2,497,134	4,357	124,632	717,487
MS	29	969,263	1,764,166	361,096	1,365,474	1,728,357	694	90,200	753,265
MO	48	1,863,673	3,437,021	600,270	2,346,124	3,554,019	821	127,495	790,878
MT	25	442,360	160,143	66,866	568,825	100,315	229	47,711	146,603
NE	35	483,130	38,616	42,711	449,732	114,163	562	76,004	177,923
NV	8	75,008	1,241	10,441	65,315	21,127	248	6,265	24,889
NH	1	81,213	143,839	8,696	87,335	146,380	32	4,616	64,601
NJ	2	18,173	-	5,377	22,250	1,295	4	1,000	13,334
NM	18	655,808	345,257	78,251	941,363	134,944	3,010	47,420	250,430
NY	6	46,782	30,205	20,114	87,731	9,286	85	5,298	29,533
NC	33	2,040,634	2,845,230	560,907	2,946,394	2,495,742	4,635	106,205	1,142,335
ND	23	1,179,286	4,845,541	953,122	1,060,313	5,915,651	1,986	71,164	588,129
OH	27	652,958	1,582,082	472,666	1,005,120	1,702,367	218	49,071	380,290
OK	29	1,197,869	1,621,525	328,543	1,577,044	1,568,217	2,676	101,801	538,851
OR	18	309,173	142,611	93,022	393,129	151,440	237	25,001	146,978
PA	13	462,705	689,683	132,794	658,902	626,041	239	28,276	234,175
RI	1	-	3,940	-	334	3,606	-	4	160
SC	28	1,884,073	1,684,010	379,965	3,110,289	835,527	2,231	79,910	860,908
SD	30	814,091	471,391	155,806	1,123,535	316,872	881	68,396	191,151
TN	33	782,429	491,626	190,919	1,429,703	35,048	223	94,631	1,170,176
TX	99	2,424,164	5,081,218	1,681,403	3,360,478	5,823,783	2,524	274,809	1,535,995
UT	6	72,455	1,031,811	216,171	62,920	1,257,393	124	5,860	25,033
VT	3	75,437	52,370	7,310	72,238	61,975	903	3,011	25,878
VA	19	939,353	5,107,913	251,378	5,889,353	408,803	488	57,555	585,053
WA	23	250,753	47,692	40,181	311,427	26,947	252	21,122	112,830
WV	1	26,236	3,000	1,059	29,443	847	5	970	8,663
WI	26	569,792	1,255,217	464,963	588,244	1,699,931	1,798	47,007	249,640
WY	13	384,512	235,722	27,216	524,882	122,467	101	33,270	105,968
AS	1	-	3,000	-	-	3,000	-	-	-
MH	1	-	11,857	-	-	11,857	-	161	3,426
PW	-	-	-	-	-	-	-	-	-
PR	1	300,981	-	31,424	292,851	39,554	-	16,633	624,343
VI	1	430	-	-	234	197	-	85	912
US ⁴	1,058	36,354,130	75,656,195	17,122,336	56,880,093	72,205,194	47,374	2,640,451	20,534,683

¹Includes \$628,992,093 discounted principal from 226 prepaid borrowers. ²Includes RUS Section 313A loan guarantees. ³Includes loans obtained by RUS borrowers' affiliates specifically organized to facilitate non-RUS financing. ⁴Includes figures not shown elsewhere in this table for two borrowers whose loans have been foreclosed. The amount of these loans was \$37,237. Note: Territories are American Samoa, Marshall Island, Palau, Puerto Rico and Virgin Islands.

Rural Development, Rural Utilities Service, Electric Program, (202) 692-0163.

Table 10-10.—Rural Utilities Service: Composite revenues and patronage capital, average number of consumers and megawatt-hour sales reported by RUS electric borrowers operating distribution systems—calendar years 2009–2011

Item	2009		2010		2011	
	Amount	Percent of total	Amount	Percent of total	Amount	Percent of total
Number of borrowers reporting	580	.....	571	.....	566	.....
Average number of consumers served:						
Residential service (farm & non-farm)	10,952,374	88.4	10,826,192	88.3	10,885,204	88.3
Commercial & industrial, small	1,248,412	10.1	1,241,357	10.1	1,248,623	10.1
Commercial & industrial, large	9,660	0.1	8,879	0.1	9,296	0.1
Irrigation	106,753	0.9	110,902	0.9	112,587	0.9
Other electric service	79,019	0.6	73,367	0.6	73,330	0.6
To others for resale	188	*	184	*	261	*
Total	12,396,406	100.0	12,260,881	100.0	12,329,301	100.0
Megawatt-hour sales:						
Residential service (farm & non-farm)	152,105,577	57.3	161,245,731	57.5	156,164,256	56.1
Commercial & industrial, small	49,551,825	18.7	52,539,103	18.7	52,524,707	18.9
Commercial & industrial, large	55,247,184	20.8	58,063,409	20.7	59,679,110	21.5
Irrigation	4,350,266	1.6	4,200,967	1.5	5,297,215	1.9
Other electric service	2,707,597	1.0	2,681,929	1.0	2,527,060	0.9
To others for resale	1,330,927	0.5	1,651,962	0.6	1,962,944	0.7
Total	265,293,361	100.0	280,383,115	100.0	278,155,291	100.0
	<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>	
Revenue and patronage capital:						
Residential service (farm & non-farm)	16,141,422	62.7	17,085,401	62.6	17,083,438	61.3
Commercial & industrial, small	4,854,339	18.8	5,161,990	18.9	5,340,980	19.2
Commercial & industrial, large	3,495,396	13.6	3,710,526	13.6	3,948,978	14.2
Irrigation	405,528	1.6	429,483	1.6	515,794	1.9
Other electric service	289,136	1.1	297,010	1.1	288,713	1.0
To others for resale	80,712	0.3	96,606	0.4	113,155	0.4
Total from sales of electric energy	25,266,534	98.1	26,781,016	98.2	27,291,058	98.0
Other operating revenue	494,890	1.9	495,333	1.8	558,911	2.0
Total operating revenue	25,761,424	100.0	27,276,349	100.0	27,849,969	100.0

* Less than 0.05 percent.
Rural Development, Rural Utilities Service, Electric Program, (202) 692-0163.

Table 10-11.—Rural Utilities Service: Annual revenues and expenses reported by electric borrowers, United States, 2002–2011

Year	Operating revenue	Operating expense	Interest expense	Depreciation and amortization expense	Net margins	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>
2002	27,458,144	22,568,763	1,867,431	1,992,415	1,382,964	72,481,696
2003	31,821,409	26,393,809	2,153,155	2,314,811	1,303,510	84,991,605
2004	30,649,839	25,646,721	1,919,835	2,181,541	1,340,317	79,508,979
2005	34,330,831	29,164,368	2,075,557	2,271,565	1,441,751	83,405,976
2006	36,765,064	31,213,044	2,247,071	2,375,325	1,747,997	88,112,547
2007	38,423,386	32,659,447	2,311,524	2,369,896	1,989,271	90,936,276
2008	42,087,440	36,048,847	2,372,255	2,462,420	2,068,523	97,191,799
2009	42,189,052	35,680,844	2,456,980	2,656,212	2,751,860	104,286,469
2010	45,261,487	38,315,046	2,474,526	2,821,453	2,486,432	109,572,949
2011	46,146,088	39,129,741	2,515,389	2,969,391	2,461,388	115,047,960

Rural Development, Rural Utilities Service, Electric Program, (202) 692-0163.

Table 10-12.—Loans to farmers' cooperative organizations: Outstanding amounts held by the agricultural credit bank classified by type of loan, United States, Jan. 1, 2008-2017

Year	Operating capital loans	Facility loans
	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2008	13,263,702	27,226,859
2009	11,769,457	32,780,415
2010	10,743,647	33,430,718
2011	10,871,732	35,413,410
2012	32,789,008	39,191,450
2013	32,449,687	41,153,688
2014	32,171,519	48,210,977
2015	35,316,639	53,723,941
2016	39,243,137	56,015,144
2017	35,681,814	63,583,691

FCA, Office of Information Technology, (703) 883-4260.

CHAPTER XI

STABILIZATION AND PRICE-SUPPORT PROGRAMS

The statistics in this chapter relate to activities of the Commodity Credit Corporation (CCC), loan and inventory acquisition and disposition programs, the CCC and Farm Service Agency payment programs, and marketing agreements and order programs for fruits and vegetables. Statistics for Federal Milk Marketing Order programs are contained in chapter VIII.

Table 11-1.—Commodity Credit Corporation: Price-supported commodities owned as of September 2017¹ (Inventory quantity)

Year	Butter and butter oil	Corn	Sorghum and products	Milk and products	Rice and products ⁴	Peanut and products
	<i>Million pounds</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million cwt</i>	<i>Million pounds</i>
2008	0	0	(²)	0	(²)	0
2009	0	0	0	224	(²)	(²)
2010	(³)	0	(³)	7	(³)	0
2011	0	0	(³)	0	(²)	0
2012	0	0	0	0	0	0
2013	0	0	(³)	0	(³)	0
2014	0	0	0	0	(³)	4
2015	0	0	0	0	0	168
2016	0	0	0	0	0	0
2017	0	8	0	0	(³)	55

Year	Beans, dry edible	Wheat	Blended Foods	Vegetable Oil Products	Value of all commodities owned
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million dollars</i>
2008	(²)	0	8	2	11
2009	0	0	13	6	205
2010	(⁵)	(²)	16	5	48
2011	(²)	0	16	33	53
2012	0	0	2	12	14
2013	0	0	25	23	71
2014	0	0	18	32	40
2015	0	2	13	23	55
2016	0	0	27	10	24
2017	0	0	0	21	35

¹Commodities with data consistently zero for 2008-2017 are not listed. ²Less than 50,000 units. ³Less than 500,000 units. ⁴Total value of all commodities owned by CCC, including price-supported commodities not shown and commodities acquired under programs other than price-support programs, less, reserve for losses on inventory. ⁵Less than 500 units. FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-2.—Commodity Credit Corporation: Loans pledge made, by quantity and face amount, United States and Territories, by crop year 2016–2017¹

Commodity	Unit	2016		2017	
		Quantity pledged	Face amount	Quantity pledged	Face amount
		<i>1,000</i>	<i>1,000 dollars</i>	<i>1,000</i>	<i>1,000 dollars</i>
Barley	1,000 bushels	3,794	7,061	8,232	15,596
Corn	1,000 bushels	59,619	116,982	885,563	1,689,795
Cotton, ELS & Upland ²	1,000 bales	6	70,160	335,329	2,581,538
Seed cotton, ELS & Upland	1,000 pounds ..	0	0	135	6,697
Sugar Cane and Beet	1,000 pounds ..	0	0	51,888	1,175,081
Flaxseed	1,000 cwt	38	379	126	1,256
Honey	1,000 pounds ..	2,771	1,878	57	3,904
Oats	1,000 bushels	552	733	418	552
Peanuts	1,000 pounds ..	254,476	38,460	46,513	809,738
Rice	1,000 cwt	4,589	29,727	46,528	302,359
Wool	1,000 pounds ..	0	0	0	4
Grain sorghum	1,000 bushels	302	569	1,913	6,360
Soybeans	1,000 bushels	1,736	13,338	106,313	529,523
Wheat	1,000 bushels	92,799	280,067	77,149	229,326
Sunflower Seed	1,000 cwt	67	685	1,418	14,400
Canola Seed	1,000 cwt	289	2,984	719	7,331
Safflower Seed	1,000 cwt	9	72	16	137
Mustard Seed	1,000 cwt	28	284	83	849
Sunflower Seed (non-oil)	1,000 cwt	79	807	238	2,426
Chickpeas	1,000 cwt	20	229	62	687
Dry Whole Peas	1,000 cwt	488	2,583	778	4,146
Lentil Dry	1,000 cwt	138	1,463	304	3,331

¹Includes loans pledge directly by Commodity Credit Corporation. ²Includes extra long staple cotton and upland cotton. FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-3.—Commodity Credit Corporation: Loan transactions for fiscal year 2017, by commodities ¹

Commodity	Unit	Loans outstanding Oct. 1, 2016 ²	New loans made	Loans repayments	Collateral acquired in settlement	Loans written off and transferred to accounts receivable ³	Loans outstanding Sept. 30, 2017	
							Value	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
Basic commodities:								
Corn	Bushel	116,982	1,689,795	(1,607,148)	0	(23,455)	176,174	91,456
Cotton (Upland and ELS)	Bale	71,330	2,581,538	(2,627,259)	(99)	11,584	37,094	206
Seed cotton	Pound	0	6,697	(6,714)	0	17	0	0
Peanuts	Pound	38,460	809,738	(797,293)	(9,701)	(12,014)	29,190	166,168
Rice	Cwt	29,727	302,359	(318,582)	0	121	13,625	2,105
Tobacco	Pound	0	0	0	0	0	0	0
Wheat	Bushel	280,067	229,326	(353,390)	(57,206)	(6,715)	92,082	31,235
Total⁴		536,566	5,619,453	(5,710,386)	(67,006)	(30,462)	348,165	291,170
Designated nonbasic commodities								
Barley	Bushel	7,061	15,596	(17,147)	0	211	5,721	3,070
Sorghum	Bushel	569	6,360	(5,793)	0	(162)	974	515
Honey	Pound	1,878	3,904	(3,790)	0	57	2,049	2,970
Oats	Bushel	733	552	(1,082)	(3)	51	251	184
Raw sugar, cane	Pound	0	287,833	(272,997)	0	(14,836)	0	0
Refined sugar, cane	Pound	0	0	0	0	0	0	0
Raw sugar beet	Pound	0	309,476	(267,922)	0	(41,554)	0	0
Refined sugar beet	Pound	0	577,772	(473,370)	0	(104,402)	0	0
FlaxSeed	Cwt	379	1,256	(934)	0	(28)	673	69
Sunflower seed (oil)	Cwt	685	14,400	(13,036)	0	(24)	2,025	201
Canola seed	Cwt	2,984	7,331	(8,861)	0	85	1,539	154
Safflower seed	Cwt	72	137	(209)	0	0	0	9
Rapeseed	Cwt	0	0	0	0	0	0	0
Mustard seed	Cwt	284	849	(971)	0	8	170	16
Crambe oilseed	Cwt	0	0	0	0	0	0	0
Sunflower seed, non oil	Cwt	807	2,426	(3,050)	0	(116)	67	7
Total⁴		15,452	1,227,892	(1,069,162)	(3)	(160,710)	13,469	7,195
Other nonbasic commodities:								
Soybeans	Bushel	13,338	529,523	(512,900)	0	(3,729)	26,232	5,362
Mohair	Pound	0	0	0	0	0	0	0
Chickpeas	Pound	229	687	(774)	0	6	148	14
Lentils	Pound	1,463	3,331	(4,032)	0	69	831	75
Peas, dry whole	Pound	2,583	4,146	(5,267)	0	(83)	1,379	258
Wool	Pound	0	4	0	0	0	4	10
Unknown	Pound	0	0	(2,032)	0	577	(1,455)	0
Total⁴		17,613	537,691	(525,005)	0	(3,737)	27,139	5,719
Grand total⁵		569,631	7,385,036	(7,304,553)	(67,009)	(194,909)	388,773	304,084

¹ Loans made directly by Commodity Credit Corporation. ² Book value of outstanding loans; includes face amounts and any charges paid. ³ Includes transfers to accounts receivable. ⁴ Totals do not include allowance for losses. ⁵ Table may not add due to rounding.

FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-4.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, as of September 30, 2017

Program and commodity	Unit	Quantity					
		Inventory Oct. 1, 2016	Purchases	Collateral acquired from loans	Other addition deduction	Sales and other dispositions ¹	Inventory Sept. 30, 2017
		Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
Feed grains:							
Barley	Bushel	0	0	0	0	-	0
Corn	Bushel	0	393	0	0	(393)	0
Corn products	Pound	6,371	81,389	0	0	(84,762)	2,998
Grain sorghum	Bushel	31	17,114	0	0	(16,923)	222
Sorghum grits	Pound	0	0	0	0	-	0
Oats	Bushel	0	0	3	0	(3)	0
Food grains, cotton and tobacco:							
Wheat	Bushel	0	28,309	18,918	0	(47,210)	17
Wheat flour	Pound	0	1,988	0	0	(1,988)	0
Bulgur	Pound	0	2,958	0	0	(2,958)	0
Rice, milled	Cwt	32	2,424	0	0	(2,445)	11
Rice, rough	Cwt	0	0	0	0	-	0
Cotton, extra long staple ...	Bale	0	0	0	0	-	0
Upland cotton	Bale	0	0	206	0	(206)	0
Tobacco Products	Pound	0	0	0	0	-	0
Dairy products:							
Butter	Pound	0	0	0	0	-	0
Cheese	Pound	0	0	0	0	-	0
Milk, dried	Pound	0	0	0	0	-	0
Milk, UHT	Pound	0	0	0	0	-	0
Dry whole milk	Pound	0	0	0	0	-	0
Non fat dry milk	Pound	0	0	0	0	-	0
Oils and oilseeds:							
Crambe oilseed	Cwt	0	0	0	0	-	0
Canola seed	Cwt	0	0	0	0	-	0
Sunflower seed	Cwt	0	0	0	0	-	0
Sunflower seed, non-oil	Cwt	0	0	0	0	-	0
Peanuts	Pound	0	0	55,718	0	(125)	55,593
Peanut butter	Pound	0	0	0	0	-	0
Soybeans	Bushel	0	0	0	0	-	0
Soybean products	Pound	0	75,502	0	0	(75,502)	0
Dry edible beans	Cwt	71	87	0	0	(158)	0
Flaxseed	Cwt	0	0	0	0	-	0
Blended foods	Pound	27,192	97,549	0	0	(120,296)	4,445
Dry whole peas and lentils	Cwt	227	3,726	0	0	3,667	227
Sugar cane and beet	Pound	0	0	0	0	0	0
Vegetable oil products	Pound	10,139	209,259	0	0	221,982	10,139
Wool	Pound	0	0	0	0	0	0
Mohair	Pound	0	0	0	0	0	0
Other ² .....	.....	0	6,784	0	0	8,894	0
Total inventory operations .....	.....	44,063	526,335	78,847	0	(561,023)	84,222

See footnote(s) at end of table.

Table 11-4.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, as of September 30, 2017—Continued

Program and commodity	Unit	Value					
		Inventory Oct. 1, 2016	Purchases	Collateral acquired from loans	Other addition deduction	Sales and other dispositions ¹	Inventory Sept. 30, 2017
		1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Feed grains:							
Barley	Bushel	0	0	0	0	0	0
Corn	Bushel	0	1,661	0	0	(1,659)	0
Corn products	Pound	762	13,013	0	409	(13,315)	872
Grain sorghum	Bushel	257	68,904	0	782	(67,928)	2,015
Sorghum grits	Pound	0	0	0	0	0	0
Oats	Bushel	0	0	3	0	(3)	0
Food grains, cotton and tobacco:							
Wheat	Bushel	0	133,835	57,206	114	(191,105)	50
Wheat flour	Pound	0	356	0	0	(356)	0
Bulgur	Pound	0	414	0	0	(414)	0
Rice, milled	Cwt	812	46,750	0	(94)	(47,219)	249
Rice, rough	Cwt	0	0	0	0	0	0
Cotton, extra long staple	Bale	0	0	0	0	0	0
Upland cotton	Bale	0	0	99	23	(122)	0
Tobacco Products	Pound	0	0	0	0	0	0
Dairy products:							
Butter	Pound	0	0	0	0	0	0
Cheese	Pound	0	0	0	0	0	0
Milk, dried	Pound	0	0	0	0	0	0
Milk, UHT	Pound	0	0	0	0	0	0
Dry whole milk	Pound	0	0	0	0	0	0
Non fat dry milk	Pound	0	0	0	0	0	0
Oils and oilseeds:							
Crambe oilseed	Cwt	0	0	0	0	0	0
Canola seed	Cwt	0	0	0	0	0	0
Sunflower seed	Cwt	0	0	0	0	0	0
Sunflower seed, non-oil	Cwt	0	0	0	0	0	0
Peanuts	Pound	0	0	9,701	0	(23)	9,678
Peanut butter	Pound	0	0	0	0	0	0
Soybeans	Bushel	0	0	0	0	0	0
Soybean products	Pound	0	12,675	0	0	(12,675)	0
Dry edible beans	Cwt	2,448	3,244	0	0	(5,692)	0
Flaxseed	Cwt	0	0	0	0	0	0
Blended foods	Pound	9,488	30,582	0	(1,714)	(36,621)	1,735
Dry whole peas and lentils	Cwt	5,226	83,763	0	221	(82,106)	7,104
Sugar, cane and beet	Pound	0	0	0	0	0	0
Vegetable oil products	Pound	5,716	97,565	0	1,462	(91,592)	13,151
Wool	Pound	0	0	0	0	0	0
Mohair	Pound	0	0	0	0	0	0
Other ² .....	.....	(262)	9,723	0	3	(9,464)	0
Total inventory operations	.....	24,447	502,483	67,008	1,206	(560,295)	34,853

¹ Includes sales, commodity donations, transfers to other government agencies and inventory adjustment. ² Includes tomato, vegetable, and cartons of soup.
 FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-5.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 2017 ¹
(In Thousands)

Commodity	Domestic				Total domestic
	Dollar sales (Costs)	Transfers to other Government agencies	Donations ¹	Inventory adjustments and other recoveries (domestic)	
Feed grains:					
Barley	0	0	0	0	0
Corn	0	0	0	0	0
Corn products	0	0	0	0	0
Grain sorghum	0	0	0	0	0
Sorghum grits	0	0	0	0	0
Oats	0	0	0	0	0
Food grains, cotton and tobacco:					
Tobacco products	0	0	0	0	0
Bulgur	0	0	0	0	0
Wheat	0	0	0	0	0
Wheat flour	0	0	0	0	0
Wheat product, Other	0	0	0	0	0
Rice, milled	0	0	0	0	0
Rice, rough	0	0	0	0	0
Rice, brown and Textured soy	0	0	0	0	0
Cotton, extra long staple & upland	0	0	0	0	0
Dairy products:					
Butter oil	0	0	0	0	0
Butter	0	0	0	0	0
Cheese Products	0	0	0	0	0
Nonfat dry milk	0	0	0	0	0
Milk, dried. UT high temp	0	0	0	0	0
Oils and oilseeds:					
Peanuts	0	0	0	0	0
Peanut butter	0	0	0	0	0
Peanuts farmer's stock & products	0	0	0	0	0
Soya flour	0	0	0	0	0
Flaxseed	0	0	0	0	0
Sunflower Seed (oil & non-oil)	0	0	0	0	0
Soybeans & Soybean products	0	0	0	0	0
Fruit fresh apples	0	0	0	0	0
Blended foods	0	0	0	0	0
Potatoes	0	0	0	0	0
Grains and seeds:					
Feed for Government facilities	0	0	0	0	0
Foundation seeds	0	0	0	0	0
Lentils dry	0	0	0	0	0
Vegetable Seeds	0	0	0	0	0
Canola seed	0	0	0	0	0
Crambe oil seed	0	0	0	0	0
Peas, dried whole	0	0	0	0	0
Dry edible beans	0	0	0	0	0
Honey	0	0	0	0	0
Sugar	0	0	0	0	0
Vegetable oil products	0	0	0	0	0
Mohair	0	0	0	0	0
Meat (and products)	0	0	0	0	0
Veg. canned tomato sauce	0	0	0	0	0
Wool	0	0	0	0	0
Other (rice products, fish, canned salmon) ..	0	0	0	0	0
Total	0	0	0	0	0

See footnote(s) at end of table.

Table 11-5.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 2017¹—Continued
(In Thousands)

Commodity	Export				Total export and domestic
	Dollar sales (Costs)	Public law 480 (Costs)	Donations ¹	Total export	
Feed grains:					
Barley	0	0	0	0	0
Corn	0	0	1,661	1,661	1,661
Corn products	0	13,315	0	13,315	13,315
Grain sorghum	0	67,928	0	67,928	67,928
Sorghum grits	0	0	0	0	0
Oats	0	0	0	0	0
Food grains, cotton and tobacco:					
Tobacco Products	0	0	0	0	0
Bulgur	0	415	0	415	415
Wheat	0	101,124	32,711	133,835	133,835
Wheat flour	0	356	0	356	356
Wheat product, Other	0	0	0	0	0
Rice, milled	0	9,189	38,030	47,219	47,219
Rice, rough	0	0	0	0	0
Rice, brown and textured soy	0	0	0	0	0
Cotton, extra long staple & upland	0	0	0	0	0
Dairy products:					
Butter oil	0	0	0	0	0
Butter	0	0	0	0	0
Cheese Products	0	0	0	0	0
Nonfat dry milk	0	0	0	0	0
Milk, dried UT high temp	0	0	0	0	0
Oils and oilseeds:					
Peanuts	0	0	0	0	0
Peanut butter	0	0	0	0	0
Peanuts farmer's stock & products	0	0	0	0	0
Soya flour	0	0	0	0	0
Flaxseed	0	0	0	0	0
Sunflower Seed (oil & non-oil)	0	0	0	0	0
Soybeans & Soybean products	0	0	12,675	12,675	12,675
Fruit fresh apples	0	0	0	0	0
Blended foods	0	36,624	0	36,624	36,624
Potatoes	0	0	0	0	0
Grains and seeds:					
Feed for Government facilities	0	0	0	0	0
Foundation seeds	0	0	0	0	0
Lentils dry	0	13,741	(2)	13,739	13,739
Vegetable Seeds	0	0	0	0	0
Canola seed	0	0	0	0	0
Crambe oil seed	0	0	0	0	0
Peas, dried whole	0	68,646	0	68,646	68,646
Dry edible beans	0	5,692	0	5,692	5,692
Honey	0	0	0	0	0
Sugar	0	0	0	0	0
Vegetable oil products	0	71,026	20,566	91,592	91,592
Mohair	0	0	0	0	0
Meat (and products)	0	0	0	0	0
Veg. canned tomato sauce	0	0	0	0	0
Wool	0	0	0	0	0
Other (rice products, fish, canned salmon)	0	8,333	1,386	9,719	9,719
Total	0	396,389	107,027	503,416	503,416

¹ Includes donations under section 202,407,416, Section 210, P.L. 85-540, miscellaneous donations under various other authorizations.
FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-6.—Commodity Credit Corporation: Investment in price-support operations, March 31 and June 30, 2007–2017 ¹

Year Month	Inventory investment	Loan investment	Total investment
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
2007:			
March	72	7,031	7,103
June	48	2,902	2,950
2008:			
March	168	5,926	6,094
June	11	3,335	3,346
2009:			
March	174	4,647	4,821
June	209	2,215	2,424
2010:			
March	119	4,054	4,173
June	70	1,996	2,066
2011:			
March	41	3,259	3,300
June	66	1,588	1,654
2012:			
March	63	2,740	2,803
June	27	1,260	1,287
2013:			
March	28	2,981	3,009
June	43	1,664	1,707
2014:			
March	188	2,094	2,282
June	94	890	984
2015:			
March	32	2,734	2,766
June	41	1,572	1,613
2016:			
March	25	3,934	3,959
June	23	1,956	1,979
2017:			
March	11	4,142	4,153
June	24	2,095	2,119

¹ Reflects total CCC loans and inventories investment.
FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2017 as of September 30, by State and Territories ¹

State or Territory	Barley	Corn	Cotton-bales	Dry whole peas	Chickpeas	Lentils	Flaxseed
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	0	1,402	35,036	0	0	0	0
Alaska	16	0	0	0	0	0	0
Arizona	0	1,805	0	0	0	0	0
Arkansas	0	13,826	98,293	0	0	0	0
California	0	0	432,839	0	0	0	0
Colorado	225	17,378	0	0	0	0	0
Connecticut	0	0	0	0	0	0	0
Delaware	0	1,501	0	0	0	0	0
Florida	0	136	96	0	0	0	0
Georgia	0	8,722	5,885	0	0	0	0
Hawaii	0	0	0	0	0	0	0
Idaho	2,848	906	0	180	0	0	0
Illinois	0	121,245	0	0	0	0	0
Indiana	0	120,404	0	0	0	0	0
Iowa	0	353,519	0	0	0	0	0
Kansas City Commodity	0	0	0	0	0	0	0
Kansas	4	28,026	0	0	0	0	0
Kentucky	115	24,749	0	0	0	0	0
Louisiana	0	1,167	25,245	0	0	0	0
Maine	59	0	0	0	0	0	0
Maryland	0	4,885	0	0	0	0	0
Massachusetts	0	7	0	0	0	0	0
Michigan	0	49,512	0	0	0	0	0
Minnesota	1,297	397,786	0	65	0	0	0
Mississippi	0	10,222	622,475	0	0	0	0
Missouri	0	47,330	3,802	0	0	0	0
Montana	6,326	149	0	2,393	667	2,095	168
Nebraska	33	129,020	0	86	0	0	20
Nevada	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0
New Jersey	0	819	0	0	0	0	0
New Mexico	0	1,065	0	0	0	0	0
New York	4	23,539	0	0	0	0	0
North Carolina	15	4,481	24,156	0	0	0	0
North Dakota	4,374	60,196	0	1,382	0	903	1,068
Ohio	1	58,676	0	0	0	0	0
Oklahoma	0	1,386	0	0	0	0	0
Oregon	0	0	0	0	0	0	0
Pennsylvania	0	10,037	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0
South Carolina	0	2,090	0	0	0	0	0
South Dakota	91	96,606	0	0	0	0	0
Tennessee	0	6,579	374,723	0	0	0	0
Texas	0	18,840	958,989	0	0	0	0
Utah	6	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0
Virginia	38	4,793	0	0	0	0	0
Washington	119	0	0	39	20	333	0
West Virginia	0	1,467	0	0	0	0	0
Wisconsin	21	64,795	0	0	0	0	0
Wyoming	5	728	0	0	0	0	0
Total ²	15,596	1,689,795	2,581,538	4,146	687	3,331	1,256

See footnote(s) at end of table.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2017 as of September 30, by State and Territories¹—Continued

State or Territory	Honey	Oats	Oilseeds	Peanuts	Rice	Seed Cotton
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Arizona	0	0	0	0	0	0
Arkansas	0	0	0	0	133,789	0
California	553	0	0	0	109,428	0
Colorado	0	0	335	335	0	0
Connecticut	0	0	0	0	0	0
Delaware	0	0	0	0	0	0
Florida	29	0	0	0	0	0
Georgia	5	4	0	0	0	0
Hawaii	0	0	0	0	0	0
Idaho	292	45	228	228	0	0
Illinois	5	0	0	0	0	0
Indiana	0	0	0	0	0	0
Iowa	604	23	0	0	0	0
Kansas City Commodity	0	0	0	0	0	0
Kansas	4	0	0	0	0	0
Kentucky	0	0	0	0	0	0
Louisiana	11	0	0	0	10,970	0
Maine	0	113	0	0	0	0
Maryland	0	0	0	0	0	0
Massachusetts	0	0	0	0	0	0
Michigan	0	3	10	10	0	0
Minnesota	168	65	338	338	0	0
Mississippi	0	0	0	0	20,707	0
Missouri	0	0	0	0	12,875	0
Montana	450	0	1,100	1,100	0	0
Nebraska	50	28	0	0	0	0
Nevada	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0
New York	0	10	4	4	0	0
North Carolina	0	10	0	0	0	0
North Dakota	36	48	15,493	15,493	0	0
Ohio	0	-2	0	0	0	0
Oklahoma	45	0	0	0	0	3,712
Oregon	91	0	0	0	0	0
Pennsylvania	25	79	0	0	0	0
Rhode Island	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0
South Dakota	1,011	91	7,489	7,489	0	0
Tennessee	3	0	0	0	393	0
Texas	393	0	0	0	14,198	2,985
Utah	46	0	0	0	0	0
Vermont	0	0	0	0	0	0
Virginia	0	0	0	0	0	0
Washington	9	26	146	146	0	0
West Virginia	0	0	0	0	0	0
Wisconsin	76	10	0	0	0	0
Wyoming	0	0	0	0	0	0
Total ²	3,904	552	25,143	809,738	291,890	6,697

See footnote(s) at end of table.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2017 as of September 30, by State and Territories ¹—Continued

State or Territory	Sorghum	Soybeans	Sugar	Wheat	Wool
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	0	65	0	0	0
Alaska	0	0	0	0	0
Arizona	0	0	0	0	0
Arkansas	9	2,757	0	0	0
California	0	0	0	516	0
Colorado	687	0	152,899	19,099	0
Connecticut	0	0	0	0	0
Delaware	0	373	0	0	0
Florida	0	0	72,000	0	0
Georgia	0	86	0	101	0
Hawaii	0	0	0	0	0
Idaho	0	0	409,370	16,290	0
Illinois	0	38,840	0	1,516	0
Indiana	0	67,966	0	150	0
Iowa	0	96,501	0	4	0
Kansas City Commod	0	0	0	0	0
Kansas	2,095	7,546	0	14,384	0
Kentucky	0	11,526	0	4,512	0
Louisiana	0	38	215,833	0	0
Maine	0	20	0	0	0
Maryland	0	2,570	0	1,025	0
Massachusetts	0	0	0	0	0
Michigan	0	21,489	75,617	1,489	0
Minnesota	9	88,178	238,456	10,855	0
Mississippi	0	3,525	0	136	0
Missouri	702	32,167	0	1,454	0
Montana	0	0	0	58,788	4
Nebraska	24	21,109	0	4,035	0
Nevada	0	0	0	0	0
New Hampshire	0	0	0	0	0
New Jersey	0	91	0	98	0
New Mexico	0	0	0	230	0
New York	0	6,238	0	1,714	0
North Carolina	30	1,891	0	1,226	0
North Dakota	0	15,289	0	38,657	0
Ohio	0	55,603	0	747	0
Oklahoma	711	149	0	6,998	0
Oregon	0	0	0	3,341	4
Pennsylvania	0	4,764	0	646	0
Rhode Island	0	0	0	0	0
South Carolina	8	1,224	0	24	0
South Dakota	1,662	27,507	0	9,288	0
Tennessee	0	2,722	0	668	0
Texas	423	0	0	2,138	0
Utah	0	0	0	1,271	0
Vermont	0	0	0	0	0
Virginia	0	2,383	0	629	0
Washington	0	0	0	26,317	0
West Virginia	0	1,114	0	0	0
Wisconsin	0	15,790	0	252	0
Wyoming	0	0	10,907	730	0
Total ²	6,360	529,523	1,175,081	229,326	4

¹ Loans made directly by Commodity Credit Corporation. As much 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. ²Totals may not add due to rounding.
 FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-8.—Farm Service Agency programs: Payments to producers, by program and commodity, United States, calendar year 2016–2017

Program and commodity	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Acreage grazing payments	8,750	0
Additional risk coverage	6,074,195	3,816,009
American indian - livestock feed	0	0
Aquaculture block grant	0	0
Auto conservation reserve program (CRP)-cost shares	114,208	108,079
Avg crop revenue election program	1,879	559
Bioenergy program	0	0
Biomass crop assistance	7,016	2663
Cotton ginning cost share	326,750	434
Cotton transition program	2,030	661
Cottonseed payment program	0	0
Crop assistance program	0	0
Crop disaster - North Carolina	0	0
Crop disaster - Virginia	0	0
Crop disaster program	0	0
Crop hurricane damage program	0	0
CRP annual rental	1,665,213	1,774,250
CRP incentives	127,586	79,177
CRP transition incentive	6,173	3,769
Dairy economic loss assistance	0	0
Dairy indemnity	161	292
Dairy market loss assistance	0	0
Direct and counter cyclical program	5,816	3,773
Emergency Assistance program	23,696	18,748
Emergency conservation program	30,198	73,344
Emergency forest restoration	3,666	2,088
Environment quality incentives	0	0
Feed indemnity program	0	0
FL hurricane citrus disaster	0	0
Forestry conservation reserve	4,549	0
Forgiven interest	549	0
FL nursery disaster	0	0
FL vegetable disaster	0	0
Florida sugarcane program	0	0
Grasslands reserve program	9,401	11,013
Geographic disadvantaged program	1,992	1,996
Hawaii sugar disaster	0	0
Hurricane indemnity program	0	0
Interest payments	0	0
Lamb meat adjustment assistance	0	0
Livestock assistance grant	0	0
Livestock assistance program	0	0
Livestock compensation program	0	0
Livestock emergency assistance	0	0
Livestock forage program	394,628	429,933
Livestock indemnity program	41,982	26,007
Loan deficiency	167,301	9,175
Margin protection-Dairy	10,614	100
Market gains	40,158	0
Marketing loss assistance-asparagus	0	0
Marketing loss assistance	0	0
Milk income loss contract transitional	0	0
Milk income loss contract	0	0
Milk income loss II	4	37
Noninsured assistance program	144,126	158,963
Peanut quota buyout program	0	0
Pima cotton trust fund program	14,788	14,908
Price loss coverage	1,946,059	3,226,102
Storage forgiven	9,820	0
Sugar beet disaster program	0	0
Supplemental assistance program	1,305	0
Texas sugarcane storage & transportation	0	0
Tobacco quota holder-interest	0	0
Trade adjustment assistance	312	0
Tree assistance program	10,700	8314
TTPP tobacco producer	0	0
Upland cotton assistance	45,581	44526
Wetlands reserve	0	0
Wool manufacturers trust fund	27,836	26709
Grand Total	11,269,042	9,841,629

FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-9.—Farm Service Agency programs: Payments received, by States, calendar year 2016–2017 ¹

State	Payments	
	2016	2017
	1,000 dollars	1,000 dollars
Alabama	155,898	187,347
Alaska	1,071	694
Arizona	21,241	19,466
Arkansas	431,612	522,580
California	137,964	89,441
Colorado	196,845	231,966
Connecticut	1,205	1,400
Delaware	8,267	13,113
District of Columbia	14	950
Florida	57,782	70,897
Georgia	387,544	329,265
Hawaii	7,209	7,132
Idaho	110,974	147,696
Illinois	1,094,197	565,706
Indiana	588,026	342,233
Iowa	1,052,670	641,205
Kansas	531,988	565,466
Kentucky	112,307	141,429
Louisiana	228,549	239,213
Maine	2,796	2,681
Maryland	32,521	45,121
Massachusetts	1,996	2,512
Michigan	179,885	182,553
Minnesota	557,491	368,880
Mississippi	254,717	231,009
Missouri	388,587	371,889
Montana	185,543	328,695
Nebraska	784,862	738,915
Nevada	12,971	2,322
New Hampshire	758	1,004
New Jersey	6,718	7,045
New Mexico	53,481	69,321
New York	67,052	58,391
North Carolina	161,973	134,285
North Dakota	544,408	503,713
Ohio	455,855	340,704
Oklahoma	232,078	220,772
Oregon	107,562	85,681
Pennsylvania	50,756	60,487
Rhode Island	168	320
South Carolina	75,911	61,939
South Dakota	380,002	469,827
Tennessee	82,233	118,818
Texas	889,077	839,130
Utah	21,616	23,406
Vermont	4,268	1,619
Virginia	47,978	55,834
Washington	204,114	184,532
West Virginia	3,545	4,583
Wisconsin	239,701	95,449
Wyoming	21,561	34,351
KCCO	88,204	76,224
Puerto Rico	2,938	2,317
Virgin Islands	279	27
Guam	59	65
MI	4	2
AS	8	7
Total²	11,269,039	9,841,629

¹ Only for programs listed on Table 11-8.

² Total may not add due to rounding.

FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-10.—Fruit, vegetable, and tree nut and specialty crop marketing orders and peanut program, 2017-18 season

Program	Estimated number of producers	Farm value
	<i>Number</i>	<i>1,000 dollars</i>
Citrus fruits		
Florida oranges, grapefruit, tangerines, and tangelos ...	8,000	134,879
Texas oranges and grapefruit	170	100,618
Deciduous fruits		
California olives	1,000	186,649
California desert grapes	41	-
California kiwifruit	175	34,860
Florida avocados	300	8,014
Washington apricots	94	9,686
Washington sweet cherries	1,500	450,460
Washington and Oregon pears ¹	1,500	390,358
Tart cherries (7 States) ²	600	56,868
Cranberries (10 States) ³	1,200	251,285
Dried fruits		
California dates	70	150,959
California plums	800	206,850
California raisins	3,000	481,381
Vegetables		
Florida tomatoes	100	262,020
Idaho and Eastern Oregon onions	250	125,564
South Texas onions	85	57,845
Georgia onions (Vidalia)	80	86,477
Onions (Walla Walla, Washington)	21	6,401
Potatoes⁴		
Colorado	180	150,365
Idaho and Eastern Oregon	450	190,350
Washington	267	199,003
Tree Nuts		
California almonds	6,400	5,603,950
California, Arizona, and New Mexico pistachios ⁵	1,040	1,014,507
California walnuts	4,100	1,593,900
Oregon and Washington hazelnuts	650	73,600
Spearmint oil⁶	130	45,336
Peanuts⁷	6,182	1,638,095
Total 28 programs⁸		13,510,280

¹Includes fresh and processed pears.
²The tart cherry order covers the States of Michigan, New York, Pennsylvania, Oregon, Utah, Washington, and Wisconsin.
³The cranberry order covers Massachusetts, Rhode Island, Connecticut, New Jersey, Wisconsin, Michigan, Minnesota, Oregon, Washington, and Long Island in New York.
⁴The farm values of fresh potatoes regulated under the three potato marketing orders are based on the season average grower prices for all potatoes (fresh and processed utilization combined) in Colorado, Idaho, and Washington, respectively. NASS grower prices for fresh potato utilization were not available for all of the states regulated under the marketing order.
⁵Pistachio farm value is for California only.
⁶The marketing order regulates the handling of spearmint oil produced in the States of Washington, Idaho, Oregon and designated parts of Nevada and Utah. The farm value is the sum of crop values for Washington, Idaho and Oregon, and excludes the minor level of production in Nevada and Utah, which is not published by NASS.
⁷The Farm Security and Rural Investment Act of 2002 terminated the Peanut Administrative Committee (which locally administered Marketing Agreement No. 146). As a result, the marketing agreement was terminated and new quality standards were established for domestic and imported peanuts, administered by the Peanut Standards Board.
⁸The total number of producers cannot be determined from totals for individual commodities; some producers may produce more than one commodity.
 AMS, Specialty Crops Programs, Promotion and Economics Division, (202) 720-9915.

CHAPTER XII

AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Statistics in this chapter concern conservation of various natural resources, particularly soil, water, timber, wetlands, wildlife, and improvement of water quality. 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.

Conservation Practices on Active CRP Contracts, September 2017

Practice code	Practice	Acres
CP1	Introduced grasses and legumes	3,273,484
CP2	Native grasses	5,618,789
CP3	Tree planting	818,284
CP4	Wildlife habitat with woody vegetation	1,657,399
CP5	Field windbreaks	80,972
CP6	Diversions	18
CP7	Erosion control structures	12
CP8	Grass waterways	124,570
CP9	Shallow water areas for wildlife	27,399
CP10	Existing grasses and legumes ¹	3,692,197
CP11	Existing trees	288,302
CP12	Wildlife food plots	35,797
CP15	Contour grass strips	61,631
CP16	Shelterbelts	26,874
CP17	Living snow fences	5,443
CP18	Salinity reducing vegetation	220,773
CP21	Filter strips (grass)	764,788
CP22	Riparian buffers (trees)	713,423
CP23	Wetland restoration	1,138,948
CP24	Cross wind trap strips	60
CP25	Rare and declining habitat	1,412,895
CP26	Sediment retention	49
CP27	Farmable wetland pilot (wetland)	98,342
CP28	Farmable wetland pilot (upland)	219,166
CP29	Wildlife habitat buffer (marginal pasture)	118,923
CP30	Wetland buffer (marginal pasture)	42,680
CP31	Bottomland hardwood	153,125
CP32	Hardwood trees	1
CP33	Upland bird habitat buffers	235,652
CP34	Flood control structure	69
CP36	Longleaf pine	166,018
CP37	Duck nesting habitat	397,676
CP38	State acres for wildlife enhancement	1,459,213
CP39	FWP--Constructed wetlands	606
CP40	FWP--Aquaculture wetlands	16,320
CP41	FWP--Flooded prairie wetlands	59,362
CP42	Pollinator Habitat ²	415,548
CP87	Grasslands-Native grass	6,292
CP88	Grasslands-Introduced grass	81,152
	Total	23,433,684

¹Includes both introduced grasses and legumes and native grasses. ²Does not include about 40,000 acres from Signup 39 before CP42 was implemented.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

XII-2 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

CRP enrollment: By sign up and initial contract year ¹, as of September 2017

Sign up	Before 2009	2009	2010	2011	2012	2013
24	123,021					
25	172,350					
26	333,682					
27	138,668					
28	175,393					
29	263,621					
30	234,896					
31	226,717					
32	2,170,639	812,340	518,288	235,390		
33	184,867					
35	490,317					
36	200,544	172,337				
37	4	218,787	222,919			69
38			213,284			
39				378,755		
40				3,649,026		
41				169,997		
42					306,984	
43					2,479,015	486,652
44					115,701	3,441,736
45						22,879
46						
47						
48						
49						
50						
200						
All	4,714,718	1,203,463	954,491	4,433,168	2,901,700	3,951,335
Sign up	2014	2015	2016	2017	Total	
24					123,021	
25					172,350	
26					333,682	
27					138,668	
28					175,393	
29					263,621	
30					234,896	
31					226,717	
32					3,736,657	
33					184,867	
35					490,317	
36					372,881	
37					441,779	
38					592,039	
39					3,649,026	
40					476,980	
41					2,479,015	
42					602,353	
43					3,441,736	
44	500,477				523,355	
45	1,537,018				1,537,018	
46	3,222	518,414			521,636	
47		172,586	693,998		866,585	
48			518,625		1,338,060	
49				819,436	389,858	
50				389,858	32,122	
200			464	88,587	89,052	
All	2,040,717	691,000	1,213,087	1,330,003	23,433,684	

¹ For CRP, contract year is the same as fiscal year, which begins October 1.
 General Signup Numbers: 1-13, 15, 16, 18, 20, 26, 29, 33, 39, 41, 43, 45, 49. Continuous Sign-up Numbers: 14, 17, 19, 21-25, 27, 28, 30, 31, 35-38, 40, 42, 44, 46, 47, 48, 50, Grasslands Signup Number: 200.
 FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-1.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP1 and CP2)

State	CP1 Establishment of permanent introduced grasses and legumes			CP2 Establishment of permanent native grasses		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	13,352	744,310	67.68	2,855	146,574	88.14
Alaska	2,033	0			0	
Arkansas	4,349	173,631	62.47	3,259	261,404	102.18
California	20,245	761,584	153.43	185	12,210	351.87
Colorado	67,950	3,225,310	65.17	841,981	48,334,329	70.89
Delaware	31	11,105	358.23	23	16,310	700.00
Florida	249	0		108	3,718	143.00
Georgia	787	53,693	97.61	80	10,962	812.00
Hawaii		0			0	
Idaho	203,376	13,580,137	78.79	39,866	2,576,681	80.10
Illinois	175,955	7,720,895	61.93	43,677	6,361,699	204.34
Indiana	19,085	895,834	73.18	13,123	1,469,833	189.04
Iowa	244,722	7,455,716	42.39	133,980	19,160,299	216.14
Kansas	12,514	415,557	45.44	639,136	24,978,594	45.14
Kentucky	34,759	2,659,787	127.71	22,471	1,710,342	128.46
Louisiana	1,308	79,052	139.75	1,141	142,567	186.41
Maine	2,433	428,416	201.63		0	
Maryland	7,803	454,325	137.76	2,206	232,404	211.95
Massachusetts		0			0	
Michigan	17,135	1,697,615	128.33	10,593	1,501,305	198.23
Minnesota	72,053	2,031,334	43.43	52,431	1,760,231	75.37
Mississippi	22,714	198,042	98.92	2,659	44,653	109.31
Missouri	453,881	19,419,768	82.25	154,795	12,111,206	159.25
Montana	416,957	4,947,948	23.04	284,371	3,481,834	31.63
Nebraska	29,685	2,706,109	112.03	265,917	16,824,481	77.05
Nevada	130	12,810	98.39		0	
New Jersey	266	0		124	0	
New Mexico	49,237	3,667,232	91.31	293,915	22,089,213	114.91
New York	5,472	1,132,455	247.41	399	76,770	288.27
North Carolina	1,033	39,421	62.53	102	7,680	124.05
North Dakota	156,550	5,574,201	49.74	15,120	1,013,774	89.14
Ohio	12,852	536,513	96.62	47,784	3,547,607	114.21
Oklahoma	114,046	5,330,703	60.81	317,418	15,538,537	69.13
Oregon	198,726	12,188,016	73.45	62,885	5,498,387	99.61
Pennsylvania	78,033	8,628,457	150.60	28,022	3,280,743	177.32
Puerto Rico		0			0	
South Carolina	839	20,160	125.06	182	0	
South Dakota	48,280	1,286,049	33.42	68,362	3,371,529	72.46
Tennessee	32,878	1,423,847	108.93	21,453	2,125,255	185.26
Texas	268,045	16,056,941	88.37	1,689,363	122,538,160	91.67
Utah	68,289	2,078,848	41.16	13,789	969,516	73.76
Vermont	7	0			0	
Virginia	2,758	291,510	236.98	1,225	148,083	308.45
Washington	260,321	13,752,806	63.58	514,464	35,858,149	96.10
West Virginia	115	11,955	306.30		0	
Wisconsin	53,410	3,965,736	93.98	27,090	2,372,607	156.95
Wyoming	98,802	1,671,042	28.47	2,212	56,885	50.27
United States	3,273,484	147,328,872	66.87	5,618,789	359,634,529	86.01

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

XII-4 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

**Table 12-2.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP3 and CP4)**

State	CP3 Tree planting			CP4 Permanent wildlife habitat		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	114,322	9,847,520	116.05	7,041	820,691	333.80
Alaska	0	0		0	0	
Arkansas	40,732	3,471,299	118.19	1,761	114,485	76.44
California	64	0		9,833	1,275	250.00
Colorado	17	0		286,082	16,899,891	90.14
Delaware	2,300	761,426	355.29	708	174,097	381.51
Florida	16,111	824,421	154.43	1,079	0	
Georgia	71,895	8,176,968	139.78	2,549	246,027	229.33
Hawaii	13	55,854	4,168.21	0	0	
Idaho	5,574	398,104	88.45	71,649	2,150,418	51.32
Illinois	43,468	8,742,764	276.67	86,368	23,249,314	448.29
Indiana	17,068	3,052,445	288.89	6,628	543,128	191.30
Iowa	18,193	4,413,083	328.28	123,864	2,885,357	143.19
Kansas	414	41,478	175.18	321,826	15,918,286	56.76
Kentucky	3,987	808,871	253.66	319	22,212	116.27
Louisiana	58,581	5,486,736	123.00	32,563	2,417,744	106.20
Maine	129	84,326	938.00	38	0	
Maryland	921	175,332	581.63	1,557	105,580	172.93
Massachusetts	0	0		0	0	
Michigan	5,709	686,496	190.72	10,900	312,030	112.47
Minnesota	25,227	2,107,407	126.07	159,455	1,526,028	90.84
Mississippi	250,806	5,043,594	112.87	4,140	254,131	535.60
Missouri	15,517	1,134,661	206.54	2,603	161,150	157.38
Montana	31	0		11,716	573,765	256.26
Nebraska	592	41,650	207.43	40,147	2,407,241	69.66
Nevada	0	0		0	0	
New Jersey	48	0		0	0	
New Mexico	0	0		140	16,800	120.00
New York	829	380,276	593.94	485	260,185	668.00
North Carolina	24,584	4,329,830	222.70	776	325,736	693.16
North Dakota	446	33,297	179.21	277,795	13,185,059	77.06
Ohio	7,951	1,790,978	417.58	9,709	265,029	93.22
Oklahoma	182	12,118	144.95	605	31,228	99.17
Oregon	2,077	143,365	361.15	8,519	895,057	160.09
Pennsylvania	830	654,400	1,123.95	4,513	1,398,267	404.14
Puerto Rico	16	1,510	151.00	20	0	
South Carolina	24,634	801,555	72.04	1,434	58,339	197.32
South Dakota	21	946	220.00	36,454	1,825,642	62.86
Tennessee	24,454	1,603,257	162.53	2,948	31,430	131.42
Texas	1,465	49,738	95.48	13,786	330,728	96.94
Utah	0	0		13	0	
Vermont	0	0		0	0	
Virginia	6,511	480,223	109.07	356	27,239	121.77
Washington	2,084	137,436	73.65	112,062	7,626,322	113.84
West Virginia	21	4,102	431.79	0	0	
Wisconsin	30,457	4,936,119	283.69	3,732	216,768	179.05
Wyoming	2	0		1,226	42,392	83.67
United States	818,284	70,713,586	164.35	1,657,399	97,319,069	101.60

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-3.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP5, CP6, and CP7)

State	CP5 Establishment of field windbreaks			CP6 Diversions			CP7 Erosion control structures		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	0	0			0			0	
Alaska	0	0			0			0	
Arkansas	0	0			0			0	
California	0	0			0			0	
Colorado	1,395	871,281	921.14		0			0	
Delaware	0	0			0			0	
Florida	0	0			0			0	
Georgia	0	0			0			0	
Hawaii	0	0			0			0	
Idaho	130	285,958	2,885.55		0			0	
Illinois	2,221	409,845	255.42	15	0		4	0	
Indiana	1,367	216,888	229.08		0		0	0	
Iowa	6,389	1,244,105	302.80		0		5	38	25.00
Kansas	1,457	510,674	522.49		0			0	
Kentucky	1	0			0			0	
Louisiana	0	0			0			0	
Maine	0	0			0			0	
Maryland	0	0			0			0	
Massachusetts	0	0			0			0	
Michigan	2,016	459,426	294.07	1	0			0	
Minnesota	7,055	1,708,017	321.48		0		0	0	
Mississippi	0	0			0			0	
Missouri	57	18,707	577.38	3	0		2	0	
Montana	123	49,203	511.57		0			0	
Nebraska	28,957	12,855,833	781.52		0			0	
Nevada	0	0			0			0	
New Jersey	6	31,959	5,179.74		0			0	
New Mexico	0	0			0			0	
New York	1	1,300	1,000.00		0			0	
North Carolina	15	296	70.48		0			0	
North Dakota	3,746	1,970,764	677.63		0			0	
Ohio	3,343	874,952	391.98		0			0	
Oklahoma	35	5,837	1,423.66		0			0	
Oregon	0	0			0			0	
Pennsylvania	0	0			0			0	
Puerto Rico	0	0			0			0	
South Carolina	17	242	45.12		0			0	
South Dakota	22,381	11,968,228	750.17		0			0	
Tennessee	0	0			0			0	
Texas	29	24,157	1,103.06		0			0	
Utah	0	0			0			0	
Vermont	0	0			0			0	
Virginia	3	500	1,250.00		0			0	
Washington	12	3,010	476.27		0			0	
West Virginia	0	0			0			0	
Wisconsin	106	22,762	464.72		0		1	0	
Wyoming	109	128,364	1,968.78		0			0	
United States	80,972	33,662,310	630.44	18			12	38	25.00

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

XII-6 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Table 12-4.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP8 and CP9)

State	CP8 Grass waterways			CP9 Shallow water areas for wildlife		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	1	0		107	30,459	625.57
Alaska	0	0			0	
Arkansas	5	66	12.74	518	23,243	183.99
California	0	0		5	3,250	650.00
Colorado	509	6,648	154.89	18	0	
Delaware	6	0		207	203,602	1,622.20
Florida	0	0			0	
Georgia	23	4,263	947.33	23	14,424	1,109.54
Hawaii	0	0			0	
Idaho	0	0		23	224	70.00
Illinois	31,875	23,801,321	1,508.44	4,207	1,311,734	734.61
Indiana	18,684	44,237,594	5,284.32	915	166,899	947.16
Iowa	36,345	18,314,842	885.62	10,243	836,220	183.10
Kansas	7,830	2,545,790	533.16	917	156,113	526.93
Kentucky	4,701	7,983,194	2,383.50	1,782	550,361	1,227.64
Louisiana	2	0		463	62,103	347.08
Maine	61	291,889	6,734.87		0	
Maryland	242	708,745	6,879.68	1,048	1,267,801	2,832.38
Massachusetts	0	0			0	
Michigan	501	754,279	4,556.20	1,371	531,260	622.52
Minnesota	3,332	1,012,799	772.65	209	1,180	39.07
Mississippi	55	0		497	65,109	1,565.11
Missouri	1,933	1,139,668	1,474.53	1,729	34,077	313.81
Montana	83	1,827	56.74	11	0	
Nebraska	1,176	315,305	481.57	155	42,718	521.01
Nevada	0	0			0	
New Jersey	166	1,941,966	12,490.14		0	
New Mexico	0	0			0	
New York	43	92,090	3,583.26	3	3,462	1,018.24
North Carolina	241	512,667	2,585.83	225	84,501	548.35
North Dakota	78	14,102	393.03	1	0	
Ohio	11,351	28,602,128	5,970.43	516	226,672	1,494.90
Oklahoma	166	297	23.17	70	9,309	340.99
Oregon	27	194	58.08		0	
Pennsylvania	282	526,861	3,188.46	33	17,602	1,248.37
Puerto Rico	0	0			0	
South Carolina	16	3,178	1,324.05	34	41,000	2,113.40
South Dakota	1,367	340,025	428.00	41	0	
Tennessee	174	191,467	2,369.06	61	10,660	640.24
Texas	1,381	1,003,841	1,278.55	83	21,406	1,169.73
Utah	6	0			0	
Vermont	15	12,315	1,021.15		0	
Virginia	87	357,522	5,014.33	57	120,780	2,855.32
Washington	370	3,431	50.58	51	3,151	201.47
West Virginia	0	0			0	
Wisconsin	1,435	1,455,106	2,653.80	1,776	562,965	876.37
Wyoming	0	0			0	
United States	124,570	136,175,421	2,133.08	27,399	6,402,285	613.09

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-5.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP10, CP11, and CP12)

State	CP10 Vegetative-cover-grass- already established			CP11 Vegetative-cover-trees- already established			CP12 Wildlife food plots		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	19,980	631,326	78.01	34,078	2,239,208	132.75	884	0	
Alaska	14,919	0			0			0	
Arkansas	3,881	63,457	164.48	8,803	87,000	261.34	228	0	
California	40,918	0			0		4	0	
Colorado	474,807	4,390,024	28.60	22	0		121	0	
Delaware	25	0			0		8	0	
Florida	180	0		9,723	12,500	690.61	19	0	
Georgia	1,007	24,000	568.72	19,161	403,734	138.27	305	0	
Hawaii		0			0			0	
Idaho	112,971	22,190	11.56	912	0		77	0	
Illinois	66,558	43,613	75.33	6,384	4,194	48.71	3,859	0	
Indiana	16,514	5,979	17.02	3,130	0		337	30	50.00
Iowa	171,967	1,923,524	93.69	3,561	232,654	947.52	4,215	0	
Kansas	186,662	140,395	7.95	137	204	43.23	3,101	12	12.00
Kentucky	7,951	18,372	22.90	494	536	43.23	447	0	
Louisiana	1,220	0		9,706	1,475	5.72	569	0	
Maine	2,560	0		274	0			0	
Maryland	1,548	42,425	350.91	260	634	36.86	49	0	
Massachusetts		0			0			0	
Michigan	10,623	18,291	54.37	1,913	14,283	45.03	669	0	
Minnesota	57,552	32,149	52.62	7,490	114,514	359.16	3,519	638	57.95
Mississippi	28,150	879	32.30	125,428	662,924	394.06	2,137	0	
Missouri	110,217	100,406	65.75	1,890	39,151	588.73	2,869	0	
Montana	407,129	238,569	4.77	432	0		684	0	
Nebraska	87,725	808,676	40.86	498	33,121	1,115.56	520	50	50.00
Nevada		0			0			*	
New Jersey	14	0			0		2	0	
New Mexico	88,569	4,382	9.68		0		1	0	
New York	12,273	312,129	90.00	651	24,910	128.93	45	0	
North Carolina	907	0		8,965	1,438,444	385.69	13	0	
North Dakota	303,438	1,954,721	22.54	295	101	43.02	2,029	0	
Ohio	21,854	14,999	26.14	2,025	783	29.53	330	0	
Oklahoma	217,670	564,438	11.17	134	0		736	0	
Oregon	117,837	860,219	29.90	490	151,416	1,202.67	97	300	600.00
Pennsylvania	11,508	351,275	124.61	261	2,019	44.08	1,008	17	51.52
Puerto Rico	188	0		117	0			0	
South Carolina	1,389	1,058	26.45	19,584	123,995	36.57	188	0	
South Dakota	78,137	26,205	13.59	75	0		2,271	0	
Tennessee	16,528	5,710	50.26	6,628	0		276	0	
Texas	704,545	12,412,693	120.29	2,551	0		2,514	1,880	100.00
Utah	77,914	5,454	3.00		0		8	0	
Vermont	45	0			0			0	
Virginia	2,405	57,398	426.21	4,089	79,936	246.11	30	0	
Washington	101,687	124,030	23.64	720	3,922	55.01	534	80	
West Virginia	125	0			0		0	0	
Wisconsin	37,440	349,169	88.85	7,410	70,360	407.96	1,076	0	
Wyoming	72,657	3,534	40.02	12	0		17	0	
United States ...	3,692,197	25,551,688	45.13	288,302	5,742,017	183.69	35,797	2,927	88.07

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

XII-8 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Table 12-6.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP15, CP16, and CP17)

State	CP15 Contour grass strips			CP16 Shelter belts			CP17 Living snow fences		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	11	0		0	0		0	0	
Alaska	0	0		0	0		0	0	
Arkansas	0	0		0	0		0	0	
California	0	0		0	0		0	0	
Colorado	12	0		2,947	2,338,357	864.43	23	9,600	979.59
Delaware	0	0		0	0		0	0	
Florida	0	0		0	0		0	0	
Georgia	0	0		0	0		0	0	
Hawaii	0	0		0	0		0	0	
Idaho	183	1,007	10.58	21	32,336	1,924.76	62	41,357	668.13
Illinois	879	17,092	57.21	141	23,779	285.15	49	4,891	164.57
Indiana	20	170	113.33	20	3,810	268.31	0	0	
Iowa	12,135	419,722	128.89	2,040	1,378,774	928.66	689	152,736	269.01
Kansas	3,135	100,720	69.00	642	208,108	514.74	55	22,786	572.94
Kentucky	30	0		0	0		0	0	
Louisiana	0	0		0	0		0	0	
Maine	1	0		0	0		0	0	
Maryland	0	0		0	0		0	0	
Massachusetts	0	0		0	0		0	0	
Michigan	3	148	148.00	42	7,045	268.18	11	3,332	302.91
Minnesota	748	18,865	59.10	3,436	959,374	356.77	3,247	580,263	228.66
Mississippi	44	0		0	0		0	0	
Missouri	842	10,927	97.91	56	25,487	747.42	0	0	
Montana	0	0		147	47,514	658.45	32	13,056	585.47
Nebraska	299	5,659	54.59	1,579	593,956	481.08	92	10,412	479.59
Nevada	0	0		0	0		0	0	
New Jersey	1	4,391	7,841.07	0	0		0	0	
New Mexico	0	0		0	0		0	0	
New York	3	0		0	0		0	0	
North Carolina	0	0		5	0		0	0	
North Dakota	1	0		3,980	2,486,118	746.30	545	282,987	662.90
Ohio	14	0		76	14,837	319.76	0	0	
Oklahoma	0	0		0	0		0	0	
Oregon	0	0		0	0		0	0	
Pennsylvania	50	2,345	100.64	0	0		0	0	
Puerto Rico	60	0		0	0		0	0	
South Carolina	0	0		0	0		0	0	
South Dakota	36	111	30.25	11,681	6,444,831	777.31	610	323,701	721.74
Tennessee	17	161	107.33	0	0		0	0	
Texas	104	320	50.00	5	4,833	1,074.00	0	0	
Utah	40	0		0	0		0	0	
Vermont	0	0		0	0		0	0	
Virginia	2	286	130.00	0	0		0	0	
Washington	42,466	193,708	62.10	8	1,750	5,833.33	0	0	
West Virginia	0	0		0	0		0	0	
Wisconsin	494	3,580	81.29	14	5,062	421.83	27	4,928	266.39
Wyoming	0	0		36	48,321	1,342.25	1	697	995.71
United States	61,631	779,212	88.07	26,874	14,624,291	713.86	5,443	1,450,746	345.73

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-7.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP18 and CP21)

State	CP18 Salt tolerant grasses			CP21 Alternative perennials		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	0	0		325	15,549	168.64
Alaska	0	0			0	
Arkansas	0	0		5,013	231,732	106.22
California	0	0			0	
Colorado	7	0		94	10,325	398.96
Delaware	0	0		625	213,536	421.11
Florida	0	0			0	
Georgia	0	0		314	25	10.87
Hawaii	0	0			0	
Idaho	0	0		658	53,470	91.51
Illinois	4	261	104.40	106,451	6,235,365	103.55
Indiana	0	0		46,516	2,779,232	137.06
Iowa	0	0		191,332	13,686,240	131.90
Kansas	875	0		22,773	940,576	70.82
Kentucky	0	0		18,470	984,069	113.61
Louisiana	0	0		320	4,630	57.09
Maine	0	0		57	0	
Maryland	0	0		26,512	2,554,799	156.93
Massachusetts	0	0		10	7,074	714.55
Michigan	0	0		28,796	3,076,945	139.70
Minnesota	4,443	177,382	57.62	111,445	5,496,408	85.42
Mississippi	0	0		5,008	169,190	116.75
Missouri	0	0		27,633	673,375	96.42
Montana	95,207	154,954	9.03	176	2,594	21.73
Nebraska	538	9,213	36.40	15,296	782,364	69.39
Nevada					0	
New Jersey	0	0		348	65,498	232.70
New Mexico	0	0			0	
New York	0	0		380	124,623	398.25
North Carolina	0	0		1,282	297,407	497.19
North Dakota	0	0		7,609	235,396	48.61
Ohio	101,611	1,350,377	38.12	69,768	3,325,612	92.38
Oklahoma	1,909	12,746	47.67	514	8,834	101.45
Oregon	0	0		1,475	58,557	98.08
Pennsylvania	0	0		834	78,710	211.89
Puerto Rico	0	0			0	
South Carolina	0	0		1,245	25,072	119.55
South Dakota	15,718	549,168	43.97	9,490	326,027	48.94
Tennessee	0	0		5,465	474,218	183.94
Texas	436	20	0.13	911	63,305	175.35
Utah	0	0			0	
Vermont	0	0		185	35,991	237.57
Virginia	0	0		3,440	248,645	102.23
Washington	24	0		33,523	1,299,033	83.85
West Virginia	0	0		614	229,412	873.62
Wisconsin	0	0		19,881	1,828,915	144.80
Wyoming	0	0			0	
United States	220,773	2,254,120	32.75	764,788	46,642,757	112.11

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

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Table 12-8.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP22 and CP23)

State	CP22 Riparian buffer			CP23 Wetland restoration		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	28,834	2,733,439	174.19	5	0	
Alaska	50	0		0	0	
Arkansas	60,025	4,100,551	124.40	57,073	14,978,516	536.65
California	955	363,020	444.91	572	0	
Colorado	433	208,229	1,123.80	1,216	65,276	91.13
Delaware	57	8,125	273.57	206	246,936	1,609.54
Florida	64	0		0	0	
Georgia	918	428,884	746.90	403	0	
Hawaii	1,155	2,799,076	3,857.60	0	0	
Idaho	3,210	982,589	431.46	401	2,125	83.99
Illinois	98,727	15,297,844	212.52	41,345	6,993,603	209.68
Indiana	5,107	667,724	259.17	9,704	1,218,620	232.76
Iowa	45,804	10,650,978	359.51	132,600	20,303,917	193.03
Kansas	2,742	144,287	161.85	9,208	452,017	83.46
Kentucky	20,798	5,063,312	294.32	265	43,416	415.74
Louisiana	4,727	355,402	122.94	120,631	7,810,175	179.21
Maine	41	78,448	5,264.97	0	0	
Maryland	11,579	3,175,362	669.59	2,237	1,445,646	1,047.60
Massachusetts	1,876	0		0	0	
Michigan	1,876	610,854	462.21	19,440	4,010,346	245.21
Minnesota	29,554	3,660,927	201.10	301,288	24,126,033	106.44
Mississippi	165,402	6,251,392	77.47	13,769	772,863	174.64
Missouri	25,607	6,269,835	723.50	19,072	2,215,307	236.12
Montana	2,446	215,588	209.05	1,545	744	8.01
Nebraska	1,765	406,483	399.53	11,659	565,612	81.36
Nevada		0		0	0	
New Jersey	266	247,570	974.88	0	0	
New Mexico	3,317	819,959	402.34	0	0	
New York	8,822	7,844,520	1,453.58	58	1,555	1,555.00
North Carolina	14,340	1,213,749	123.44	1,117	166,797	201.15
North Dakota	309	156,717	652.14	188,930	1,490,174	44.84
Ohio	6,708	1,233,843	399.20	12,201	6,096,608	882.88
Oklahoma	1,377	350,070	457.25	1,825	83,444	60.93
Oregon	34,532	18,639,126	792.70	233	15,256	127.35
Pennsylvania	22,627	24,046,637	1,364.48	776	659,148	1,124.44
Puerto Rico	297	12,180	60.00	0	0	
South Carolina	10,295	261,307	68.86	172	0	
South Dakota	4,975	2,038,484	697.99	176,103	3,654,433	35.27
Tennessee	5,754	951,805	294.77	688	31,976	106.26
Texas	23,355	3,176,110	223.02	8,807	115,217	61.16
Utah	68	19,535	618.20	0	0	
Vermont	2,467	2,892,693	1,489.65	0	0	
Virginia	20,693	20,870,280	1,547.62	119	20,752	437.81
Washington	20,788	9,437,236	1,037.71	62	9,867	211.28
West Virginia	5,493	5,081,181	1,042.20	0	0	
Wisconsin	11,323	3,007,071	426.40	5,223	662,427	309.97
Wyoming	3,712	877,849	316.46	0	0	
United States	713,423	167,650,271	398.67	1,138,948	98,258,803	154.01

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-9.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP25, CP26, and CP27)

State	CP25 Rare and declining habitat			CP26 Sediment retention			CP27 Farmable wetland pilot (wetland)		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	405	17,622	142.46						
Alaska		0			0			0	
Arkansas		0			0			0	
California		0			0			0	
Colorado	1,992	69,426	83.70				2	0	
Delaware		0			0			0	
Florida		0			0			0	
Georgia		0			0			0	
Hawaii		0			0			0	
Idaho	79	4,120	100.00				4	606	173.14
Illinois	585	194,694	371.34				595	127,025	247.82
Indiana	1,996	352,581	183.15				330	439,647	1,866.07
Iowa	157,931	35,999,148	257.46				25,987	3,986,397	202.34
Kansas	681,912	41,160,667	69.80				753	15,799	130.71
Kentucky	37,750	7,248,991	203.60					0	
Louisiana		0			0		447	2,267	20.15
Maine		0			0			0	
Maryland	468	125,832	271.72					0	
Massachusetts		0			0			0	
Michigan	62	6,114	136.17	49	141,491	3,721.50	24	995	199.00
Minnesota	128,388	12,061,458	106.31				14,658	1,369,488	128.93
Mississippi		0			0		40	5,109	129.34
Missouri	44,897	5,360,197	145.12				2	0	
Montana	82,671	4,896,645	72.92				181	344	23.24
Nebraska	167,159	14,597,225	101.63				1,341	55,900	103.51
Nevada		0			*			0	
New Jersey		0			0			0	
New Mexico		0			0			0	
New York		0			0			0	
North Carolina		0			0			0	
North Dakota	10,340	730,244	74.01				25,752	1,031,737	61.45
Ohio	4,135	1,253,871	405.53				90	395,261	5,028.77
Oklahoma	20,416	1,646,550	88.31				9	7,316	2,090.29
Oregon	42,436	1,643,508	109.91					0	
Pennsylvania		0			0			0	
Puerto Rico		0			0			0	
South Carolina		0			0			0	
South Dakota	14,235	1,040,317	96.99				28,094	689,192	54.28
Tennessee		0			0			0	
Texas		0			0			0	
Utah		0			0			0	
Vermont		0			0			0	
Virginia		0			0			0	
Washington	1,162	62,911	128.02				2	0	
West Virginia		0			0			0	
Wisconsin	13,497	3,216,421	286.74				32	603	118.24
Wyoming	380	22,201	60.00					0	
United States ...	1,412,895	131,710,742	109.80	49	141,491	3,721.50	98,342	8,127,686	132.20

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

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Table 12-10.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP28, CP29, and CP30)

State	CP28 Farmable wetland pilot (buffer)			CP29 Wildlife habitat buffer (marginal pastureland)			CP30 Wetland buffer (marginal pastureland)		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	0	0		301	2,016	97.86		0	
Alaska		0			0		422	128,957	305.51
Arkansas	0	0		493	210,048	522.77	2,492	0	
California		0			0			0	
Colorado	4	0		63	0		32	0	
Delaware		0			0			0	
Florida		0			0			0	
Georgia		0		28	9,463	4,301.36		0	
Hawaii		0			0			0	
Idaho	2	62	31.00	263	53,286	421.60	178	14,845	99.76
Illinois	908	127,382	160.76	266	36,387	286.74	33	4,143	134.12
Indiana	605	62,471	127.79	62	50,333	937.30	49	8,866	181.68
Iowa	63,017	6,450,082	134.42	9,451	2,574,112	382.11	2,226	246,004	205.73
Kansas	1,434	42,932	48.53	4	224	56.00		0	
Kentucky		0		71,100	10,861,751	162.02		0	
Louisiana	0	0			0		176	0	
Maine		0		5	18,088	36,176.00	11	33,012	2,895.79
Maryland		0		1,016	205,093	457.75	160	7,992	583.36
Massachusetts		0			0			0	
Michigan	50	3,147	185.12	4	0		306	259,976	1,027.78
Minnesota	31,627	2,232,977	93.96	835	24,948	75.74	7,666	347,166	124.06
Mississippi	157	20,462	130.17	29	4,325	681.10	24	2,466	104.49
Missouri	8	0		1,287	397,854	524.20	1,735	756,790	685.78
Montana	154	536	20.78	98	5,876	62.38		0	
Nebraska	2,068	91,434	69.08	1,262	153,026	207.70	295	30,447	234.80
Nevada		0			0			0	
New Jersey		0			0			0	
New Mexico		0			0			0	
New York		0		2,102	1,398,079	971.27	1,168	769,203	741.34
North Carolina	0	0		40	52,036	5,477.47		0	
North Dakota	59,194	2,831,258	76.26	35	0			0	
Ohio	207	17,383	99.27	3,015	304,552	157.89	137	194,759	2,552.88
Oklahoma	21	465	62.84	6	4,324	697.42	9	850	100.00
Oregon		0		13,812	2,924,602	396.97	461	477,403	1,036.28
Pennsylvania		0		1,238	403,845	516.25	466	158,607	579.49
Puerto Rico		0		544	12,180	60.00		0	
South Carolina		0		40	101,330	3,311.44	72	147,403	2,033.99
South Dakota	59,653	2,705,197	62.31	4,980	294,346	104.16	24,084	386,794	46.02
Tennessee		0		75	14,352	1,112.53		0	
Texas		0		1,970	273,414	172.72	2	2,973	1,351.36
Utah		0			0			0	
Vermont		0			0		1	1,612	2,302.86
Virginia		0		759	1,084,298	1,723.32	20	0	
Washington	8	0		859	181,284	756.30	426	545,678	1,324.62
West Virginia		0			0			0	
Wisconsin	50	1,167	98.07	1,228	193,651	222.58	28	16,136	593.24
Wyoming		0		1,653	380,792	415.39		0	
United States	219,166	14,586,954	93.40	118,923	22,229,914	232.21	42,680	4,542,081	267.87

¹Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-11.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP31, CP32, and CP33)

State	CP31 Bottomland hardwood			CP32 Hardwood trees			CP33 Upland bird habitat buffers		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	1,219	95,711	119.53		0		784	74,769	134.37
Alaska		0			0			0	
Arkansas	18,694	990,407	121.49		0		4,084	180,456	123.85
California		0			0			0	
Colorado		0			0		1,420	70,329	95.75
Delaware		0			0			0	
Florida		0			0			0	
Georgia	19	2,000	103.63		0		856	48,729	158.59
Hawaii		0			0			0	
Idaho		0			0			0	
Illinois	5,729	1,060,774	223.54		0		63,654	6,935,079	124.25
Indiana	7,665	1,575,192	249.27		0		10,395	756,243	108.78
Iowa	3,958	1,031,619	330.41		0		25,141	3,835,826	209.55
Kansas	237	31,644	218.57		0		28,307	1,146,808	63.69
Kentucky	596	171,996	296.36		9		5,684	683,769	148.73
Louisiana	51,403	2,925,981	100.01		0		292	14,741	93.54
Maine		0			0			0	
Maryland		0			0		571	68,466	168.47
Massachusetts		0			0			0	
Michigan	11	7,300	675.93		0		691	95,613	172.27
Minnesota	819	43,087	149.04		0		508	37,146	88.89
Mississippi	56,780	1,193,970	95.05		0		1,583	62,420	141.45
Missouri	2,056	112,170	156.56		0		27,406	1,919,697	105.71
Montana		0			0		404	30,974	82.00
Nebraska	9	4,778	542.95		0		7,938	430,059	92.72
Nevada		0			0			0	
New Jersey		0			0			0	
New Mexico		0			0			0	
New York	2	2,000	869.57		0			0	
North Carolina	54	1,978	139.30		0		4,692	166,578	84.89
North Dakota		0			0			0	
Ohio	109	24,427	336.00		0		12,896	1,027,962	116.43
Oklahoma	440	63,174	152.04		0		707	976	61.00
Oregon		0			0			0	
Pennsylvania		0			0		207	21,283	225.62
Puerto Rico		0			0			0	
South Carolina	5	174	33.53		0		2,413	73,524	64.97
South Dakota		0			0		1,403	67,568	59.31
Tennessee	2,937	242,442	122.12		0		3,674	249,497	87.64
Texas	381	53,558	140.54		0		27,046	1,107,454	118.51
Utah		0			0			0	
Vermont		0			0			0	
Virginia		0			0		1,155	80,859	127.01
Washington		0			0		1,501	39,396	110.52
West Virginia		0		1	0			0	
Wisconsin		0			0		239	16,892	187.00
Wyoming		0			0			0	
United States	153,125	9,634,383	138.42	1			235,652	19,243,112	121.53

¹Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

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Table 12-12.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP34, CP36, and CP37)

State	CP34 Flood control structure			CP36 Longleaf pine			CP37 Duck nesting habitat		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama		0		14,486	2,907,153	227.81		0	
Alaska		0			0			0	
Arkansas		0			0			0	
California		0			0			0	
Colorado		0			0			0	
Delaware		0			0			0	
Florida		0		2,434	659,729	286.71		0	
Georgia		0		127,310	23,077,927	295.24		0	
Hawaii		0			0			0	
Idaho		0			0			0	
Illinois		0			0			0	
Indiana		0			0			0	
Iowa		0			0		2,443	202,034	123.83
Kansas		0			0			0	
Kentucky		0			0			0	
Louisiana		0		59	7,030	119.97		0	
Maine		0			0			0	
Maryland		0			0			0	
Massachusetts ..		0			0			0	
Michigan		0			0			0	
Minnesota	69	5,617	112.90		0		18,471	1,486,442	92.78
Mississippi		0		418	28,707	92.28		0	
Missouri		0			0			0	
Montana		0			0		1,949	21,954	17.79
Nebraska		0			0			0	
Nevada		0			0			*	
New Jersey		0			0			0	
New Mexico		0			0			0	
New York		0			0			0	
North Carolina ..		0		7,442	1,085,117	220.18		0	
North Dakota		0			0		176,156	5,759,424	48.90
Ohio		0			0			0	
Oklahoma		0			0			0	
Oregon		0			0			0	
Pennsylvania		0			0			0	
Puerto Rico		0			0			0	
South Carolina ..		0		13,366	1,403,836	140.12		0	
South Dakota		0			0		198,656	6,233,794	41.10
Tennessee		0			0			0	
Texas		0			0			0	
Utah		0			0			0	
Vermont		0			0			0	
Virginia		0		503	58,523	124.97		0	
Washington		0			0			0	
West Virginia		0			0			0	
Wisconsin		0			0			0	
Wyoming		0			0			0	
United States	69	5,617	112.90	166,018	29,228,023	268.11	397,676	13,703,648	47.53

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-13.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP38 and CP39)

State	CP38 State acres for wildlife enhancement			CP39 Constructed wetlands		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	2,114	126,966	116.01	0	0	
Alaska		0		0	0	
Arkansas	17,138	889,812	158.16	130	0	
California		0		0	0	
Colorado	45,446	2,755,698	78.46	0	0	
Delaware		0		0	0	
Florida		0		0	0	
Georgia	12,792	772,862	105.81	0	0	
Hawaii		0		0	0	
Idaho	119,366	8,604,818	76.71	0	0	
Illinois	23,854	3,903,015	220.22	30	0	
Indiana	47,590	5,327,018	133.37	0	0	
Iowa	180,914	26,836,501	164.15	247	57,025	288.43
Kansas	146,505	5,129,523	51.11	7	830	350.21
Kentucky	12,369	1,116,733	191.46	0	0	
Louisiana	477	47,126	117.43	5	138	156.82
Maine	2,135	384,722	419.21	0	0	
Maryland		0		0	0	
Massachusetts		0		0	0	
Michigan	9,614	2,513,896	346.80	0	0	
Minnesota	71,858	6,020,427	101.80	89	32,044	358.11
Mississippi	9,218	1,550,063	339.13	0	0	
Missouri	38,263	4,370,366	221.34	0	0	
Montana	50,585	3,572,934	130.90	0	0	
Nebraska	91,546	6,159,866	81.15	0	0	
Nevada		0		0	0	
New Jersey	795	137,633	229.26	0	0	
New Mexico	2,600	0		0	0	
New York	1,381	138,092	220.73	0	0	
North Carolina	834	95,775	211.29	0	0	
North Dakota	132,888	3,193,969	45.28	0	0	
Ohio	27,840	2,424,442	153.51	84	54,829	2,383.89
Oklahoma	8,484	2,739,258	521.24	0	0	
Oregon	1,529	49,637	55.35	0	0	
Pennsylvania		0		0	0	
Puerto Rico		0		0	0	
South Carolina	1,080	183,277	212.74	0	0	
South Dakota	135,269	3,869,551	44.06	14	0	
Tennessee	9,342	1,127,487	141.26	0	0	
Texas	133,618	12,533,161	105.06	0	0	
Utah		0		0	0	
Vermont		0		0	0	
Virginia	331	37,310	121.06	0	0	
Washington	98,533	12,701,313	159.29	0	0	
West Virginia		0		0	0	
Wisconsin	13,216	1,974,115	178.95	0	0	
Wyoming	9,688	852,240	87.97	0	0	
United States	1,459,213	122,139,607	111.56	606	144,866	462.18

¹Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

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Table 12-14.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP40 and CP41)

State	CP40 Aquaculture wetlands			CP41 Flooded prairie wetlands		
	Total acres treated	Total cost share	Avg cost share per acre treated ¹	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	14	504	36.52	0	0	
Alaska	0	0		0	0	
Arkansas	1,883	553,515	338.68	0	0	
California	0	0		0	0	
Colorado	0	29,853		0	0	
Delaware	0	0		0	0	
Florida	0	0		0	0	
Georgia	0	0		0	0	
Hawaii	0	0		0	0	
Idaho	0	0		0	0	
Illinois	0	0		0	0	
Indiana	0	0		0	0	
Iowa	0	0		125	23,160	185.12
Kansas	0	0		0	0	
Kentucky	0	0		0	0	
Louisiana	3,104	559,700	180.30	0	0	
Maine	0	0		0	0	
Maryland	0	0		0	0	
Massachusetts	0	0		0	0	
Michigan	0	0		0	0	
Minnesota	0	0		909	57,439	75.87
Mississippi	11,039	1,530,570	169.81	0	0	
Missouri	222	0		0	0	
Montana	0	0		0	0	
Nebraska	0	0		0	0	
Nevada	0	0		0	0	
New Jersey	0	0		0	0	
New Mexico	0	0		0	0	
New York	0	0		0	0	
North Carolina	58	692	197.71	0	0	
North Dakota	0	0		45,018	1,373,288	40.92
Ohio	0	0		0	0	
Oklahoma	0	0		0	0	
Oregon	0	0		0	0	
Pennsylvania	0	0		0	0	
Puerto Rico	0	0		0	0	
South Carolina	0	0		0	0	
South Dakota	0	0		13,308	560,672	47.41
Tennessee	0	0		0	0	
Texas	0	0		0	0	
Utah	0	0		0	0	
Vermont	0	0		0	0	
Virginia	0	0		0	0	
Washington	0	0		0	0	
West Virginia	0	0		0	0	
Wisconsin	0	0		0	0	
Wyoming	0	0		0	0	
United States	16,320	2,644,981	192.09	59,362	2,014,559	43.54

¹Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-15.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2017
(CP42, CP87, and CP88)

State	CP42 Pollinator Habitat ¹			CP87 Grasslands-Native Grass			CP88 Grasslands-Introduced grass		
	Total acres treated	Total cost share	Avg cost share per acre treated ²	Total acres treated	Total cost share	Avg cost share per acre treated ²	Total acres treated	Total cost share	Avg cost share per acre treated ¹
Alabama	21	3,800	200.00		0			0	
Alaska	0	0			0			0	
Arkansas	32	6,553	412.14		0			0	
California	1,821	0			0			0	
Colorado	19,363	2,381,235	150.86		0		14,466	51,407	10.00
Delaware	4	2,800	700.00		0			0	
Florida	0	0			0			0	
Georgia	23	3,847	167.48		0			0	
Hawaii	0	0			0			0	
Idaho	7,549	667,360	101.37		0			0	
Illinois	87,966	37,938,179	436.08		0			0	
Indiana	4,081	572,161	147.97	17	0			0	
Iowa	176,058	90,626,210	520.59	223	0		157	0	
Kansas	4,499	197,245	73.57		0		985	0	
Kentucky	4,080	1,067,045	266.00	439	0		5	0	
Louisiana	23	1,923	82.31		0			0	
Maine	0	0			0			0	
Maryland	26	2,082	300.00		0			0	
Massachusetts	0	0			0			0	
Michigan	4,730	742,016	164.91		0			0	
Minnesota	9,490	2,564,840	276.57	9	0			0	
Mississippi	0	0			0			0	
Missouri	33,162	3,605,530	192.21	132	0		87	75,768	1,855.24
Montana	5,718	228,891	54.89	1,240	0		4,620	0	
Nebraska	23,139	1,547,827	79.32	2,176	0		20,927	51,268	46.55
Nevada	16	2,795	173.61		0			0	
New Jersey	14	5,584	407.00		0			0	
New Mexico	738	84,804	120.00		0		9,715	319,681	120.00
New York	23	9,814	514.33		0			0	
North Carolina	5	4,293	900.00	67	0			0	
North Dakota	4,426	756,417	180.24	741	0		10,097	0	
Ohio	2,452	158,995	114.08	238	0		28	0	
Oklahoma	146	7,966	107.10		0		1,117	0	
Oregon	352	13,728	85.85		0			0	
Pennsylvania	0	0			0		53	0	
Puerto Rico	0	0			0			0	
South Carolina	0	0			0			0	
South Dakota	3,236	535,630	174.88	558	7,460	220.91	14,342	0	
Tennessee	3,921	547,593	168.54	326	0			0	
Texas	12,418	1,047,040	136.63		0		3,114	112,131	110.71
Utah	743	62,006	83.48		0			0	
Vermont	0	0			0			0	
Virginia	141	4,393	174.95		0			0	
Washington	3,112	319,840	120.86		0			0	
West Virginia	0	0			0			0	
Wisconsin	1,925	549,094	387.37	39	0		1	0	
Wyoming	96	18,444	191.99	86	0		1,437	0	
United States ...	415,548	146,287,979	389.27	6,292	7,460	220.91	81,152	610,255	61.27

¹ Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

XII-18 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Table 12-16.—Emergency Conservation Program: Assistance, fiscal years 2008–2017¹

Year	Emergency Conservation Program	
	<i>1,000 dollars</i>	
2008		27,845
2009		73,028
2010		76,735
2011		32,262
2012		56,114
2013		41,206
2014		22,548
2015		24,001
2016		26,017
2017		56,353

¹ Totals are from unrounded data.
FSA, Conservation and Environmental Protection Division, (202) 690-1612.

Table 12-17.—Conservation Reserve Program (CRP): Enrollment by State, September 2017

State ¹	Number of contracts	Number of farms	Acres	Annual rent (\$1,000)	Avg Payments ² (\$/acre)
Alabama	5,702	4,209	241,137	10,934	45.35
Alaska	36	29	17,424	612	35.14
Arkansas	5,597	3,199	230,594	17,373	75.34
California	252	193	74,603	3,338	44.74
Colorado	9,855	5,297	1,761,715	61,870	35.12
Connecticut	5	5	49	3	70.77
Delaware	382	222	4,201	558	132.78
Florida	733	597	29,967	1,415	47.21
Georgia	7,219	4,900	238,495	14,597	61.20
Hawaii	23	16	1,168	57	48.65
Idaho	3,985	2,284	566,552	29,900	52.78
Illinois	78,926	43,815	895,775	161,897	180.73
Indiana	34,669	19,542	231,008	38,640	167.27
Iowa	109,069	54,642	1,785,941	360,789	202.02
Kansas	37,627	21,792	2,078,238	89,388	43.01
Kentucky	13,592	7,271	248,495	37,766	151.98
Louisiana	4,666	3,022	287,233	24,790	86.31
Maine	323	225	7,744	363	46.86
Maryland	5,316	3,021	58,203	10,893	187.16
Massachusetts	3	3	10	2	207.20
Michigan	10,109	5,912	127,141	16,201	127.42
Minnesota	54,998	29,013	1,127,881	121,440	107.67
Mississippi	16,646	10,736	700,097	46,465	66.37
Missouri	29,440	17,499	968,023	107,569	111.12
Montana	7,974	3,558	1,368,712	40,375	29.50
Nebraska	21,525	12,654	804,464	65,179	81.02
Nevada	*	*	*	*	*
New Hampshire	*	*	*	*	*
New Jersey	342	214	2,049	182	89.01
New Mexico	2,050	1,305	448,231	16,467	36.74
New York	2,047	1,513	34,142	2,861	83.80
North Carolina	4,762	3,264	66,797	4,949	74.09
North Dakota	23,916	12,392	1,527,132	72,881	47.72
Ohio	36,167	20,123	257,713	41,661	161.66
Oklahoma	5,861	4,031	688,040	23,452	34.08
Oregon	4,045	2,207	485,488	29,982	61.76
Pennsylvania	9,160	6,101	150,742	18,260	121.14
Puerto Rico	17	17	1,242	76	60.95
Rhode Island	*	*	*	*	*
South Carolina	3,585	2,082	77,006	3,096	40.21
South Dakota	29,367	13,672	973,834	87,452	89.80
Tennessee	5,573	3,766	137,598	12,867	93.51
Texas	19,293	14,021	2,895,927	106,546	36.79
Utah	795	510	160,870	5,514	34.28
Vermont	400	291	2,720	301	110.60
Virginia	4,674	3,579	44,686	2,943	65.86
Washington	10,952	5,054	1,194,778	71,410	59.77
West Virginia	519	428	6,368	521	81.81
Wisconsin	15,737	9,930	231,150	29,141	126.07
Wyoming	786	514	192,127	5,089	26.49
United States	638,723	358,673	23,433,684	1,798,068	76.73

* Data withheld to avoid disclosure of individual operations. ¹ State in which land is located. ² Payments made October 2017.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-18.—Forest land: Total forest land and area and ownership of timberland, by regions, Jan. 1, 2017 ¹

Region	Total forest land ²	Timberland ³							
		All own-erships	Federal			State, county, and municipal	Private		
			Total	National forest	Other		Total	Private corporate	Private non-corporate ⁴
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Northeast	84,727	78,539	2,852	2,355	498	10,103	65,586	22,090	43,496
North Central	91,062	86,355	8,495	7,792	704	15,549	62,310	8,106	54,204
North	175,789	164,894	11,348	10,146	1,202	15,650	127,896	30,196	97,700
Southeast	89,692	85,754	7,016	5,061	1,955	5,618	73,119	27,283	45,836
South Central	155,821	122,338	9,380	7,197	2,183	3,942	109,016	36,220	72,795
South	245,513	208,092	16,397	12,258	4,138	9,561	182,135	63,504	118,632
Great Plains	6,797	6,084	1,217	1,051	166	265	4,602	202	4,400
Intermountain	123,844	63,569	45,894	43,154	2,740	2,927	14,748	4,890	9,858
Rocky Mountains	130,641	69,654	47,111	44,206	2,905	3,193	19,350	5,091	14,259
Alaska	128,735	12,996	4,874	3,848	1,025	4,810	3,313	2,827	486
Pacific Northwest ..	51,827	41,462	19,200	16,802	2,397	3,637	18,625	10,903	7,722
Pacific Southwest ⁵	32,986	17,326	9,249	8,877	372	245	7,833	4,634	3,198
Pacific Coast	213,549	71,784	33,323	29,527	3,795	8,691	29,771	18,364	11,406
All regions	765,493	514,425	108,178	96,138	12,040	47,095	359,152	117,155	241,997

¹ Forest Resources of the United States, 2017. Data may not add to totals because of rounding. ² 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. 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. ³ Timberland is forest land that is producing or is capable of producing crops of industrial wood and that is not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing more than 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. ⁴ Includes Indian lands. ⁵ Includes Hawaii. FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

Table 12-19.—Timber volume: Net volume of growing stock and sawtimber on timberland, by softwoods and hardwoods, and regions, 2012¹

Region	Growing stock ²			Sawtimber ³		
	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	152,780	37,108	115,672	.....	.....	.....
North Central	117,261	23,494	93,768	.....	.....	.....
North	270,041	60,601	209,440	.....	.....	.....
South .....	.....	.....	.....	.....	.....	.....
Southeast	142,603	67,540	75,063	.....	.....	.....
South Central	176,485	73,767	102,717	.....	.....	.....
South	319,088	141,307	177,781	.....	.....	.....
Great Plains	4,487	1,885	2,601	.....	.....	.....
Intermountain	125,518	117,217	8,301	.....	.....	.....
Rocky Mountains	130,005	119,102	10,903	.....	.....	.....
Alaska	37,140	33,761	3,379	.....	.....	.....
Pacific Northwest	159,238	146,480	12,758	.....	.....	.....
Pacific Southwest ⁴	69,726	59,273	10,452	.....	.....	.....
Pacific Coast	266,104	239,515	26,589	.....	.....	.....
All regions	985,238	560,526	424,712	.....	.....	.....

¹ Forest Resources of the United States, 2012. Data may not add to totals because of rounding. ² 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. ³ Live trees of commercial species containing at least one 12-foot sawlog or two non-contiguous 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. ⁴ Includes Hawaii. FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

Table 12-20.—Timber removals: Roundwood product output, logging residues and other removals from growing stock and other sources, by softwoods and hardwoods, 2016 ¹

Roundwood products, logging residues, and other removals	All sources			Growing stock ²			Other sources ³		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet
Roundwood products:									
Sawlogs	5,521	4,075	1,446	5,334	3,959	1,374	187	115	72
Pulpwood	5,368	3,640	1,728	4,772	3,280	1,493	596	360	235
Veneer logs	660	590	69	648	582	65	12	8	4
Other products ⁴	728	575	153	563	423	141	165	153	12
Fuelwood ⁵	1,695	599	1,096	332	149	183	1,363	450	913
Total	13,972	9,480	4,493	11,650	8,393	3,257	2,323	1,086	1,236
Logging residue ⁶	3,758	1,942	1,815	1,126	451	676	2,631	1,492	1,139
Other removals ⁷	510	134	376	274	67	207	236	67	169
Total	4,268	2,076	2,191	1,400	518	883	2,867	1,559	1,308

¹ Forest Resources of the United States, 2017. Data may not add to totals because of rounding. ² 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. ³ 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). ⁴ Includes poles, pilings, posts, cooperage and miscellaneous products. ⁵ Downed and dead wood volume left on the ground after trees have been cut on timberland. ⁶ Net of wet rot or limbs. ⁷ 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.
 FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

Table 12-21.—Timber net annual growth, removals, and mortality of growing stock on timberland in the United States, 2016 ¹

Region	Growth ²			Removals ³			Mortality ⁴		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet
Northeast	3,264	917	2,347	1,176	377	799	1,242	336	906
North Central	2,668	629	2,039	1,315	277	1,038	1,379	231	1,147
North	5,932	1,546	4,386	2,491	654	1,837	2,621	567	2,053
Southeast	6,393	4,285	2,108	3,527	2,736	790	1,085	528	557
South Central	7,371	4,983	2,388	4,333	2,911	1,422	1,845	630	1,215
South	13,764	9,268	4,496	7,859	5,647	2,212	2,930	1,158	1,772
Great Plains	57	(2)	59	34	29	6	82	43	39
Intermountain	242	192	50	370	367	3	2,487	2,354	133
Rocky Mountain	299	189	109	404	396	9	2,570	2,397	173
Alaska	254	133	121	39	39	-	302	275	27
Pacific Northwest	3,707	3,423	284	1,891	1,811	81	1,201	1,030	171
Pacific Southwest ⁵	1,054	909	145	355	355	-	574	472	102
Pacific Coast	5,015	4,465	550	2,286	2,204	82	2,078	1,777	300
All regions	25,009	15,468	9,542	13,041	8,901	4,140	10,198	5,900	4,299

¹ Forest Resources of the United States, 2017. Data may not add to totals because of rounding. ² 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. ³ 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. ⁴ The volume of sound wood in trees that died from natural causes during a specified year. ⁵ Includes Hawaii.
 FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

Table 12-22.—Net volume of growing stock on timberland in the Western United States, region and species, 2017

Species	Total West	Inter-mountain	Alaska	Pacific Northwest	Pacific Southwest ²	Great Plains
<i>Million cubic feet</i>						
Softwoods:						
Douglas-fir	128,235	30,003	0	79,650	18,582	0
Ponderosa and Jeffrey pines	42,389	17,118	0	12,389	11,143	1,739
True fir	54,703	23,272	17	16,791	14,624	0
Western hemlock	34,770	1,486	13,009	20,175	101	0
Sugar pine	3,684	0	0	675	3,009	0
Western white pine	1,057	418	0	318	321	0
Redwood	5,904	0	0	21	5,883	0
Sitka spruce	12,149	0	10,536	1,405	208	0
Engelmann and other spruces	24,408	18,601	4,302	1,505	0	0
Western larch	6,242	4,117	3	2,122	0	0
Incense cedar	4,381	0	0	873	3,508	0
Lodgepole pine	19,765	15,661	84	2,960	1,060	0
Other softwoods	20,931	6,544	5,811	2,260	834	146
Total	358,617	117,217	33,761	146,480	59,273	2,021
Hardwoods:						
Cottonwood and aspen	10,990	8,082	1,126	748	46	988
Red alder	6,711	20	140	6,220	331	0
Oak	5,175	0	0	608	4,114	453
Other	14,615	199	2,114	5,181	5,961	1,160
Total	37,492	8,301	3,379	12,758	10,452	2,601
All species	396,109	125,518	37,140	159,238	69,726	4,487

¹ Forest Resources of the United States, 2017. International 1/4-inch rule. Data may not add to totals because of rounding. ² Includes Hawaii. FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

Table 12-23.—Net volume of softwood growing stock on timberland in the Eastern United States, by region and species, 2017¹

Species	Total East	North		South	
		Northeast	North Central	Southeast	South Central
<i>Million cubic feet</i>					
Softwoods:					
Longleaf and slash pines	17,820	0	0	13,320	4,500
Loblolly and shortleaf pines	105,748	882	1,093	42,253	61,520
Other yellow pines	8,585	1,784	358	4,690	1,752
White and red pines	25,508	12,945	9,620	2,350	592
Jack pine	912	6	906	0	0
Spruce and balsam fir	13,646	9,202	4,374	70	0
Eastern hemlock	11,252	9,005	1,342	413	493
Cypress	7,309	11	11	3,969	3,318
Other	11,128	3,273	5,789	474	1,592
Total	201,909	37,108	23,494	67,540	73,767
Hardwoods:					
Select white oaks	35,869	5,885	10,132	7,680	12,172
Select red oaks	28,764	12,064	7,007	3,489	6,204
Other white oaks	23,036	5,670	2,187	5,659	9,520
Other red oaks	45,323	6,047	8,109	11,746	19,421
Hickory	23,104	4,146	5,533	3,896	9,529
Yellow birch	4,585	3,778	731	72	3
Hard maple	26,937	13,899	10,049	531	2,097
Soft maple	41,951	22,095	11,229	5,266	3,360
Beech	8,570	4,921	1,059	922	1,668
Sweetgum	20,431	686	251	8,407	11,086
Tupelo and black gum	11,743	829	337	5,846	4,732
Ash	18,948	6,941	6,310	1,823	3,874
Basswood	6,349	2,012	3,527	361	449
Yellow-poplar	33,998	7,554	3,046	14,594	8,804
Cottonwood and aspen	15,539	3,756	11,125	121	537
Black walnut	3,130	479	1,859	253	540
Black cherry	10,655	6,752	2,593	509	800
Other	28,292	8,157	8,325	3,888	7,921
Total	387,221	115,672	93,768	75,063	102,717
All species	589,129	152,780	117,261	142,603	176,485

¹ Forest Resources of the United States, 2017. International 1/4-inch rule. Data may not add to totals because of rounding. FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

Table 12-24.—National Forest System: National Forest System lands and other lands in States and Territories, 2016

State or other area	Gross acreage	National Forest System acreage ¹	Other acreage ²
	1,000 acres	1,000 acres	1,000 acres
Alabama	1,290	671	620
Alaska	24,007	22,143	1,864
Arizona	11,813	11,204	609
Arkansas	3,549	2,593	956
California	24,286	20,772	3,514
Colorado	15,960	14,485	1,475
Florida	1,423	1,200	223
Georgia	1,796	868	929
Idaho	21,713	20,445	1,268
Illinois	958	305	653
Indiana	647	204	443
Kansas	114	109	5
Kentucky	2,205	820	1,386
Louisiana	1,032	609	424
Maine	94	54	41
Michigan	4,887	2,874	2,013
Minnesota	5,488	2,844	2,643
Mississippi	2,374	1,191	1,183
Missouri	3,093	1,506	1,587
Montana	19,189	17,182	2,007
Nebraska	562	351	211
Nevada	6,293	5,760	533
New Hampshire	847	748	98
New Mexico	10,249	9,225	1,024
New York	17	16	1
North Carolina	3,027	1,256	1,771
North Dakota	1,104	1,103	1
Ohio	856	244	612
Oklahoma	759	399	359
Oregon	17,655	15,697	1,958
Pennsylvania	741	514	227
South Carolina	1,381	632	749
South Dakota	2,435	2,005	430
Tennessee	1,291	720	571
Texas	2,002	757	1,245
Utah	9,211	8,190	1,021
Vermont	837	410	427
Virginia	3,254	1,666	1,588
Washington	11,990	9,331	2,658
West Virginia	1,893	1,046	847
Wisconsin	2,003	1,524	479
Wyoming	9,726	9,215	511
Puerto Rico	56	29	27
Virgin Islands	0	0	0
Total	234,108	192,916	41,192

Reference: Land Areas of the National Forest System 2015 Report.

¹ *National Forest System acreage*.—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 USDA 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 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.

² *Other acreage*.—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.

FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

Table 12-25.—Forest products cut on National Forest System lands: Volume and value of timber cut and value of all products, United States, fiscal years 2006–2015

Year ¹	Timber cut ²		Value of miscellaneous forest products ⁴	Total value including free-use timber
	Volume	Value ³		
	<i>Million bd. ft.</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2006	2,296	221,390	3,262	221,512
2007	1,960	166,641	3,262	169,992
2008	2,049	138,119	3,262	141,231
2009	1,954	94,963	3,262	78,050
2010	2,137	104,809	3,262	80,265
2011	2,440	129,301	3,262	108,374
2012	2,500	137,680	3,262	117,712
2013	2,408	140,533	3,262	(NA)
2014	2,437	146,361	3,262	(NA)
2015	2,543	162,651	3,262	(NA)

(NA) Not available. ¹ U.S. Timber Production, Trade, Consumption, and Price Statistics. Fiscal years Oct. 1–Sept. 30. ² Commercial and cost sales and land exchanges. ³ Includes collections for forest restoration or improvement under the Knutson-Vandenberg Act, 1930. ⁴ Includes materials not measurable in board feet, such as Christmas trees, tanbark, turpentine, seedlings, Spanish moss, etc.
 FS, Economics & Statistics Research, RWU-4851, (608) 231–9376.

Table 12-26.—Lumber: Production, United States, 2007–2016

Year	Total	Softwoods	Hardwoods
	<i>Billion bd. ft.</i>	<i>Billion bd. ft.</i>	<i>Billion bd. ft.</i>
2007	45.766	35.158	10.608
2008	35.964	29.177	6.787
2009	30.229	23.240	6.989
2010	30.461	24.802	5.659
2011	33.304	26.754	6.550
2012	34.791	28.256	6.535
2013	37.321	29.982	7.339
2014	39.810	31.490	8.320
2015	39.919	31.643	8.276
2016	41.026	32.722	8.304

FS, Economics & Statistics Research, RWU-4851, (608) 231–9376. From data published by the American Forest and Paper Association.

Table 12-27.—Timber products: Production, imports, exports, and consumption, United States, 2006–2015 ¹

Year	Industrial roundwood used for—										
	Lumber				Plywood and veneer				Pulpwood chip		Other industrial products, production and consumption ⁴
	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Imports	Exports	
Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	
2006	7,505	3,415	390	10,530	989	339	35	1,293	4	151	320
2007	6,921	2,743	359	9,305	898	264	40	1,122	3	205	325
2008	5,395	1,894	345	6,945	754	184	45	884	5	257	290
2009	4,576	1,347	288	5,636	616	146	34	728	9	196	294
2010	4,569	1,422	341	5,650	655	137	55	736	9	235	294
2011	5,005	1,403	387	6,022	651	139	52	738	9	235	294
2012	5,219	1,480	374	6,324	679	139	57	761	9	235	294
2013	5,607	1,675	406	6,911	703	147	55	796	9	234	294
2014	5,995	1,869	406	7,458	693	187	46	834	9	234	294
2015	6,065	2,100	371	7,793	683	222	38	867	9	235	294
Year	Industrial roundwood used for—										
	Pulpwood-based products				Logs		Total				
	Production	Imports ²	Exports ²	Consumption	Imports	Exports	Production	Imports	Exports	Consumption	
Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	Million cu. ft. ³	
2006	5,456	1,460	693	6,223	94	339	14,760	5,312	1,607	18,464	
2007	5,259	1,269	771	5,757	67	350	13,959	4,345	1,726	16,578	
2008	4,899	1,068	818	5,149	35	313	11,900	3,187	1,779	13,308	
2009	4,733	902	785	4,849	17	322	10,737	2,421	1,625	11,532	
2010	4,779	911	832	4,857	20	407	10,938	2,498	1,870	11,566	
2011	4,748	887	899	4,736	19	485	11,418	2,457	2,058	11,817	
2012	5,805	883	875	5,815	28	432	12,663	2,539	1,972	13,231	
2013	5,959	942	1,073	5,827	26	463	13,260	2,799	2,231	13,862	
2014	6,562	1,205	1,340	6,427	22	444	14,222	3,292	2,470	15,044	
2015	6,569	1,172	1,348	6,392	22	279	14,124	3,524	2,272	15,376	
Year	Fuelwood production and consumption			Production, all products			Consumption, all products				
	Million cu. ft. ³			Million cu. ft. ³			Million cu. ft. ³				
2006	1,555			16,315			20,019				
2007	1,605			15,564			18,183				
2008	1,510			13,410			14,818				
2009	1,400			12,137			12,932				
2010	1,380			12,318			12,946				
2011	1,366			12,784			13,183				
2012	1,440			14,103			14,671				
2013	1,520			14,780			15,382				
2014	1,566			15,788			16,610				
2015	1,566			15,690			16,942				

¹ U.S. Timber Production, Trade, Consumption, and Price Statistics. Data may not add to totals because of rounding. ² Includes both pulpwood and the pulpwood equivalent of wood pulp, paper, and board. ³ Roundwood equivalent. ⁴ Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.
 FS, Economics and Statistics Research, RWU-4851, (608) 231-9376.

Table 12-28.—Timber products: Producer price indexes, selected products, United States, 2007–2016
[2009=100]

Year	Lumber	Softwood plywood	Woodpulp	Paper	Paperboard
2007	116.9	115.0	107.5	94.3	97.3
2008	109.4	112.3	114.1	102.6	105.2
2009	100.0	100.0	100.0	100.0	100.0
2010	112.0	114.7	123.8	101.4	108.5
2011	111.5	108.1	129.7	106.5	111.2
2012	115.4	127.2	123.8	106.7	110.0
2013	133.0	137.7	120.3	106.2	117.6
2014	143.8	142.7	122.3	107.3	120.0
2015	133.4	136.4	120.9	105.7	117.3
2016	133.9	122.8	115.6	103.3	108.8

FS, Economics & Statistics Research, RWU-4851, (608) 231-9376. Compiled from reports of the U.S. Department of Labor, Bureau of Labor Statistics.

Table 12-29.—Timber prices: Average stumpage prices for sawtimber sold from national forests, by selected species, 2007–2016

Year	Southern pine ¹	Ponderosa pine ²	Western hemlock ³	All eastern hardwoods ⁴	Oak, white, red, and black ⁴	Maple, sugar ⁵
	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>
2007	176.38	60.90	54.56	276.62	220.35	361.56
2008	152.65	33.52	46.18	198.25	156.27	479.60
2009	(NA)	(NA)	77.50	171.43	119.53	274.98
2010	(NA)	(NA)	65.90	118.80	214.32	432.53
2011	(NA)	(NA)	83.30	105.30	370.81	504.30
2012	(NA)	(NA)	88.69	142.46	389.17	491.68
2013	(NA)	(NA)	58.20	108.27	216.81	447.78
2014	(NA)	(NA)	60.20	144.89	211.82	548.71
2015	(NA)	(NA)	69.04	238.10	308.72	521.51
2016	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available. ¹Southern region. ²Pacific Southwest region. Includes Jeffrey pine. ³Pacific Northwest region. ⁴Eastern and Southern regions. ⁵Eastern region.

Forest Service National Forest prices in this table are for timber sold on a Scribner Decimal C log rule basis, except in the Northeastern States where International 1/4-inch log rule is used. Prices include KV payments; exclude timber sold by land exchanges and from land utilization project lands. Data are high bid prices which include specified road costs.

FS, Economics & Statistics Research, RWU-4851, (608) 231-9376. U.S. Timber Production, Trade, Consumption, and Price Statistics.

Table 12-30.—Timber products: Pulpwood consumption, woodpulp production, and paper and board production and consumption, United States, 2007–2016¹

Year	Pulpwood consumption ²	Woodpulp production ³	Paper and board ⁴		
			Production	Consumption or new supply ⁵	Per capita consumption
	<i>1,000 cords⁶</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>
2007	82,696	55,636	91,570	99,825	662
2008	80,341	56,745	87,619	93,640	615
2009	79,992	52,122	78,299	81,767	532
2010	80,307	55,343	82,968	85,331	551
2011	80,040	55,125	81,519	82,858	531
2012	81,422	55,475	80,916	82,321	524
2013	91,251	54,466	80,478	78,603	497
2014	92,186	53,367	79,488	78,046	490
2015	93,141	53,000	79,024	77,444	481
2016	92,004	52,064	78,342	76,002	484

(NA) Not available. ¹ Revised to match data from American Forest and Paper Association and American Pulpwood Association. ² Includes changes in stocks. ³ Excludes defibrated and exploded woodpulp used for hard pressed board. ⁴ Excludes hardboard. Includes wet machine board and construction grades. ⁵ Production plus imports and minus exports (excludes products); changes in inventories not taken into account. ⁶ One cord equals 128 cubic feet.

U.S. Timber Production, Trade, Consumption, and Price Statistics.
 FS, Economic & Statistics Research, RWU-4851, (608) 231-9376. Compiled from U.S. Department of Commerce and American Forest and Paper Association.

Table 12-31.—Lumber and competing engineered wood products: Production by type of product, 2007–2016

Year	Laminated veneer lumber ¹	Wood glulam ¹	Structural Panels ¹		Lumber ²	
			Oriented strandboard	Softwood Plywood	Hardwood	Softwood
	<i>Million cubic feet</i>	<i>Million board feet</i>	<i>Million square feet (3/8-in. basis)</i>	<i>Million square feet (3/8-in. basis)</i>	<i>Billion board feet</i>	<i>Billion board feet</i>
2007	68	358	14,763	12,243	10.6	35.2
2008	47	256	13,003	10,237	6.8	29.2
2009	30	167	9,598	8,608	7.0	23.2
2010	37	176	10,299	9,131	5.7	24.8
2011	38	184	10,039	8,980	6.6	26.8
2012	46	204	11,038	9,181	6.5	28.3
2013	54	230	12,492	9,346	7.3	30.0
2014	60	233	13,008	8,985	8.3	31.5
2015	61	252	13,283	8,751	8.3	32.0
2016	65	257	13,922	8,809	8.3	33.0

¹ APA-The Engineered Wood Association. ² US Department of Commerce, Bureau of the Census; American Forest and Paper Association; Luppold and Dempsey. Hardwood Market Report: 2008-present.
 FS, Economics & Statistics Research, RWU-4851, (608) 231-9376.

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 of 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 13-1.—Population: Number of people eating from civilian food supplies, United States, Jan. 1 and July 1, 2008-2017

Year	Jan. 1	July 1
	<i>Millions</i>	<i>Millions</i>
2008	301.9	303.2
2009	304.6	305.8
2010	307.2	308.1
2011	309.4	310.4
2012	311.7	312.8
2013	314.0	315.0
2014	316.3	317.4
2015	318.7	319.8
2016	321.1	322.2
2017	323.5	324.5

Monthly Population Estimates for the United States: April 1, 2010 to December 1, 2018. Source: U.S. Census Bureau, Population Division. Release Date: December 2017.
ERS, Rural Economy Branch (202) 694-5435.

Table 13-2.—Macronutrients: Quantities available for consumption per capita per day, United States, 2001-2010¹

Year	Food energy	Carbo- hydrate	Dietary fiber	Protein	Total fat	Saturated fatty acids	Monounsaturated fatty acids	Polyunsat- urated fatty acids	Choles- terol
	<i>Kilo- calories</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Milli- grams</i>
2001	4,100	500	24	122	192	61	84	38	470
2002	4,200	495	24	123	199	63	87	40	480
2003	4,200	492	24	124	202	64	88	40	480
2004	4,200	491	25	125	202	64	88	40	490
2005	4,100	488	25	123	194	61	84	40	470
2006	4,100	485	25	124	196	62	83	41	480
2007	4,100	480	24	123	196	61	82	43	470
2008	4,100	478	24	121	194	60	80	45	470
2009	4,000	471	24	120	185	57	75	42	460
2010	4,000	474	25	120	190	59	77	44	460

¹ Data are based on Economic Research Service estimates of per capita quantities of food available for consumption. Center for Nutrition Policy and Promotion (CNPP), (703) 305-7600.

Table 13-3.—Vitamins: Quantities available for consumption per capita per day, United States, 2001–2010 ¹

Year	Vitamin A	Carotenes	Vitamin E	Vitamin C	Thiamin	Riboflavin	Niacin	Vitamin B ₆	Folate	Folate, Dfe	Vitamin B ₁₂
	<i>Micrograms RAE</i>	<i>Micrograms RE</i>	<i>Milligrams AT</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Micrograms</i>	<i>Micrograms</i>	<i>Micrograms</i>
2001	960	670	20.6	113	3	3.1	35	2.6	690	900	10
2002	940	630	21.7	112	3	3.1	35	2.6	682	888	10
2003	950	660	21.7	114	3	3.1	35	2.6	690	899	10
2004	960	670	21.7	113	3	3.1	35	2.7	685	893	10.1
2005	910	650	21.4	111	3	3.1	35	2.6	682	889	9.9
2006	930	650	21.4	109	3	3.1	35	2.6	684	892	9.9
2007	940	630	22.1	107	3	3.1	35	2.6	678	886	9.8
2008	930	630	22.4	106	2.9	3	34	2.5	673	881	9.6
2009	920	610	21.3	105	2.9	3	34	2.5	673	881	9.6
2010	920	630	21.9	105	2.9	3	34	2.5	681	889	9.3

¹ Data are based on USDA Economic Research Service estimates of per capita quantities of food available for consumption. Seafood estimates from the National Oceanic and Atmospheric Administration. Game harvest estimates from the individual States or from the Wildlife Management Institute. Imputed data for foods no longer reported or available. Values in the USDA Agricultural Research, National Nutrient Database for Standard Reference, Release 26. Components may not add to 100 because of rounding.

Calculated by USDA/Center for Nutrition Policy and Promotion, (703) 305-7600. Data last updated May 15, 2014.

Table 13-4.—Minerals: Quantities available for consumption per capita per day, United States, 2001–2010 ¹

Year	Calcium	Phosphorus	Magnesium	Iron	Zinc	Copper	Potassium	Sodium	Selenium
	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Micrograms</i>
2001	1020	1850	410	24.8	18.1	2.1	3,960	1,270	191.8
2002	1020	1840	410	24.7	18.1	2.1	3,930	1,280	192.2
2003	1020	1870	410	24.9	18.2	2.1	3,970	1,340	195.8
2004	1030	1880	420	25	18.3	2.2	3,990	1,340	195.7
2005	1010	1840	410	24.9	18.1	2.2	3,890	1,250	191.2
2006	1020	1850	420	25.1	18.1	2.2	3,890	1,230	192.9
2007	1030	1850	410	24.9	18.2	2.2	3,870	1,240	193.7
2008	1030	1830	410	24.6	17.8	2.1	3,800	1,210	189.4
2009	1040	1820	400	24.4	17.7	2.1	3,770	1,220	188.8
2010	1030	1810	410	24.6	17.6	2.1	3,760	1,210	187.2

¹ Data are based on USDA Economic Research Service estimates of per capita quantities of food available for consumption. Seafood estimates from the National Oceanic and Atmospheric Administration. Game harvest estimates from the individual States or from the Wildlife Management Institute. Imputed data for foods no longer reported or available. Values in the USDA Agricultural Research, National Nutrient Database for Standard Reference, Release 26. Components may not add to 100 because of rounding.

Calculated by USDA/Center for Nutrition Policy and Promotion, (703) 305-7600. Data last updated May 15, 2014.

Table 13-5.—Food nutrients: Percentage of total contributed by major food groups, 2010¹

Nutrient	Meat, poultry, fish	Dairy products	Eggs	Legumes, nuts, soy	Grain products	Fruits		
						Citrus	Non-citrus	Total
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Kilocalories	16.1	10.0	1.2	3.4	23.4	0.7	2.1	2.8
Carbohydrate	0.1	6.0	0.1	2.4	41.5	1.4	4.4	5.8
Fiber	0.0	1.1	0.0	16.2	35.1	2.1	9.3	11.3
Protein	43.1	18.9	3.6	6.4	20.7	0.4	0.7	1.1
Total fat	24.8	11.5	1.8	4.1	2.3	0.0	0.5	0.5
Saturated fatty acids	28.9	23.1	1.8	2.4	1.6	0.0	0.3	0.3
Monounsaturated fatty acids	28.0	7.8	1.7	4.6	1.3	0.0	0.7	0.7
Polyunsaturated fatty acids	11.5	1.8	1.1	5.2	3.7	0.0	0.4	0.4
Cholesterol	47.7	15.7	31.9	0.0	0.0	0.0	0.0	0.0
Vitamin A (RAE)	21.0	21.5	5.2	0.0	6.5	0.5	2.0	2.5
Carotene	0.0	2.3	0.0	0.1	0.8	1.1	6.8	7.9
Vitamin E	4.1	2.1	1.8	5.6	4.2	0.6	2.1	2.7
Vitamin C	1.9	1.4	0.0	0.1	6.0	24.2	17.8	42.0
Thiamin	18.1	5.3	0.7	5.1	60.0	1.4	1.4	2.8
Riboflavin	17.7	27.5	5.4	2.1	38.2	0.4	1.6	1.9
Niacin	38.6	1.3	0.1	4.3	43.4	0.4	1.5	1.9
Vitamin B ₆	40.6	6.4	2.0	4.1	19.8	1.1	5.3	6.4
Folate (DFE)	3.2	2.8	1.8	8.2	70.7	2.5	1.6	4.1
Vitamin B ₁₂	72.2	22.8	4.8	0.0	0.1	0.0	0.0	0.0
Calcium	3.6	71.8	1.8	4.6	4.8	1.0	1.3	2.3
Phosphorus	26.7	31.6	3.7	6.7	18.9	0.5	1.2	1.8
Magnesium	13.9	13.9	1.0	14.7	24.1	1.5	4.1	5.6
Iron	17.1	1.8	2.6	7.8	51.2	0.3	1.7	2.1
Zinc	41.7	16.2	2.2	5.5	24.7	0.2	0.9	1.1
Copper	21.5	3.0	1.6	20.4	21.5	1.2	3.8	5.0
Potassium	19.8	17.8	1.2	10.1	9.9	2.9	6.9	9.8
Sodium	19.0	37.5	4.0	0.3	1.1	0.1	2.7	2.8
Selenium	30.0	12.5	5.9	7.1	40.4	0.1	0.3	0.3
Nutrient	Vegetables					Fats, oils	Sugars, sweeteners	Miscellaneous
	White potatoes	Dark green, deep yellow	Tomatoes	Other	Total			
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Kilocalories	1.9	0.4	0.5	1.1	3.8	22.5	15.8	0.9
Carbohydrate	3.6	0.8	1.0	2.0	7.4	0.0	35.3	1.5
Fiber	6.5	4.0	3.8	8.4	22.7	0.0	0.0	13.5
Protein	1.7	0.6	0.6	1.5	4.4	0.1	0.0	1.8
Total fat	0.1	0.1	0.1	0.1	0.3	53.8	0.0	0.9
Saturated fatty acids	0.1	0.0	0.0	0.1	0.2	40.6	0.0	1.1
Monounsaturated fatty acids	0.0	0.0	0.0	0.1	0.1	54.9	0.0	0.8
Polyunsaturated fatty acids	0.1	0.1	0.1	0.3	0.5	75.2	0.0	0.6
Cholesterol	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0
Vitamin A (RAE)	0.0	25.9	1.9	5.5	33.3	8.2	0.0	1.7
Carotene	0.0	70.4	4.3	7.8	82.5	1.7	0.0	4.7
Vitamin E	0.3	1.4	2.7	1.3	5.7	72.8	0.0	0.4
Vitamin C	14.4	15.2	6.8	11.1	47.4	0.0	0.0	1.3
Thiamin	3.5	0.9	0.7	2.2	7.2	0.0	0.1	0.6
Riboflavin	0.8	1.2	0.9	2.0	4.9	0.1	0.6	1.5
Niacin	3.6	0.8	1.6	1.8	7.8	0.0	0.0	2.7
Vitamin B ₆	8.9	3.0	2.4	4.5	18.8	0.0	0.2	1.8
Folate (DFE)	1.4	1.9	1.0	3.7	8.0	0.0	0.0	1.2
Vitamin B ₁₂	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Calcium	0.8	1.5	0.9	3.1	6.4	0.3	0.5	3.9
Phosphorus	2.2	1.0	0.9	2.4	6.5	0.1	0.1	3.9
Magnesium	4.1	2.1	1.9	4.1	12.1	0.1	0.6	14.1
Iron	2.7	1.1	1.6	2.7	8.2	0.1	0.6	8.7
Zinc	1.5	0.7	0.6	1.8	4.6	0.1	0.2	3.7
Copper	3.6	1.7	2.6	2.9	10.7	0.0	1.3	14.9
Potassium	9.1	3.5	4.6	5.4	22.5	0.1	0.5	8.3
Sodium	2.9	1.4	12.1	9.0	25.3	6.5	2.8	0.6
Selenium	0.6	0.2	0.2	0.6	1.5	0.0	0.9	1.4

¹ Data are based on USDA Economic Research Service estimates of per capita quantities of food available for consumption. Seafood estimates from the National Oceanic and Atmospheric Administration. Game harvest estimates from the individual States or from the Wildlife Management Institute. Imputed data for foods no longer reported or available. Values in the USDA Agricultural Research, National Nutrient Database for Standard Reference, Release 26. Components may not add to 100 because of rounding.

Calculated by USDA/Center for Nutrition Policy and Promotion, (703) 305-7600. Data last updated May 15, 2014.

Table 13-6.—Consumption: Per capita consumption of major food commodities, United States, 2011–2015¹

Commodity	2011	2012	2013	2014	2015
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Red meats ^{2,3}	97.7	98.0	97.9	95.0	98.6
Beef	54.4	54.5	53.6	51.5	51.4
Veal	0.3	0.3	0.3	0.2	0.2
Lamb and mutton	0.6	0.6	0.7	0.7	0.7
Pork	42.3	42.6	43.5	42.6	46.3
Fish ²	14.9	14.2	14.3	14.5	15.5
Canned	3.7	3.4	3.6	3.3	3.7
Fresh and frozen	10.9	10.5	10.4	10.9	11.4
Cured	0.3	0.3	0.3	0.3	0.3
Poultry ^{2,3}	71.0	69.2	70.3	71.2	75.1
Chicken	58.4	56.6	57.7	58.7	62.6
Turkey	12.6	12.6	12.6	12.5	12.6
Eggs	32.0	32.8	33.3	34.4	33.0
Dairy products ⁴					
Total dairy products	603.2	613.4	605.9	614.9	628.2
Fluid milk and cream	196.7	194.6	190.4	178.4	174.8
Plain and flavored whole milk	47.5	46.5	46.1	45.9	47.5
Plain reduced fat and light milk (2%, 1%, and 0.5%)	85.6	84.6	82.5	79.7	76.7
Plain fat free milk (skim)	26.5	24.8	22.6	20.0	17.7
Flavored lower fat free milk	12.7	12.5	12.3	12.0	12.1
Buttermilk	1.5	1.5	1.6	1.5	1.6
Eggnog	0.5	0.4	0.4	0.4	0.4
Yogurt (excl. frozen)	13.6	14.0	14.9	14.9	14.7
Sour cream and dip	4.0	4.1	4.0	4.1	4.1
Cheese (excluding cottage) ⁵	33.0	33.3	33.4	34.1	35.1
American	13.0	13.2	13.3	13.7	14.0
Cheddar	9.6	9.6	9.6	9.8	10.2
Italian	14.0	13.8	13.8	14.2	14.5
Mozzarella	10.8	10.7	10.7	11.2	11.3
Cottage cheese	2.3	2.3	2.1	2.1	2.1
Condensed and evaporated milk	7.2	7.3	7.2	6.8	7.7
Ice cream	12.8	12.8	12.8	12.2	12.6
Butter	5.4	5.5	5.5	5.5	5.6
Fruits and vegetables ^{3,6}	636.9	635.8	636.9	637.1	632.0
Fruits	254.3	244.4	254.4	250.0	250.8
Fresh	129.4	131.8	136.3	136.3	135.4
Citrus	22.8	23.5	23.9	23.3	22.5
Noncitrus	106.6	108.3	112.3	113.0	112.9
Processing	125.0	112.6	118.1	113.7	115.4
Citrus	63.7	62.4	55.0	52.4	51.2
Noncitrus	61.3	60.2	63.1	61.2	64.2
Vegetables	382.5	391.4	382.5	387.1	381.2
Fresh	185.7	188.9	184.5	186.1	186.7
Processing	196.8	202.6	198.0	201.0	194.5
Flour and cereal products ⁷	172.5	174.1	174.7	174.4	173.9
Wheat flour ⁸	132.5	134.3	135.0	134.7	134.0
Corn products	34.1	33.9	33.9	34.0	34.0
Oat products	4.8	4.7	4.5	4.5	4.6
Barley and rye products	1.1	1.1	1.2	1.2	1.3
Caloric sweeteners (dry weight basis) ³	129.3	129.3	128.1	129.2	129.0
Sugar (refined)	65.8	66.6	68.0	68.4	69.1
Corn sweeteners ⁹	61.7	60.9	58.3	58.8	57.7
Honey and edible syrups	1.7	1.7	1.8	2.0	2.1
Others					
Coffee (green bean equivalent)	9.6	9.7	9.9	10.0	10.2
Cocoa (chocolate liquor equivalent) ¹⁰	4.4	4.2	4.2	4.1	4.3
Tea (dry leaf equivalent)	1.0	0.9	0.9	0.9	0.9
Peanuts (shelled)	7.0	6.7	6.9	7.0	7.1
Tree nuts (shelled)	3.8	4.2	4.0	4.1	4.1

¹Quantity in pounds, retail weight unless otherwise shown. ²Boneless, trimmed weight equivalent. ³Total may not add due to rounding. ⁴Total dairy products reported on a milk-equivalent, milkfat basis. All other dairy categories reported on a product weight basis. ⁵Natural equivalent of cheese and cheese products. ⁶Farm weight. ⁷White, whole wheat, semolina, and durum flour. ⁸Annual data and per capita estimates for rice were discontinued after 2010, reducing totals for flour and cereal products from 2011 forward. ⁹White, whole wheat, semolina, and durum flour. ¹⁰High fructose, glucose, and dextrose. ¹⁰Chocolate liquor is what remains after cocoa beans have been roasted and hulled; it is sometimes called ground or bitter chocolate.

ERS, Food Economics Division, (202) 694-5400. Historical consumption and supply-disappearance data for food may be found at <https://www.ers.usda.gov/data-products/food-availability-per-capita-data-system>.

Table 13-7.—Food plans: Food cost at home, at four cost levels, for families and individuals in the United States, for week and month, December 2017¹

Age-gender groups	Weekly cost ²				Monthly cost ²			
	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Individuals: ³								
Child:								
1 year	21.60	28.90	32.90	40.20	93.50	125.40	142.40	174.10
2-3 years	23.60	30.30	36.60	44.50	102.40	131.50	158.50	192.80
4-5 years	24.90	31.30	39.00	47.60	107.90	135.60	168.90	206.20
6-8 years	31.70	44.10	53.20	63.10	137.30	191.00	230.40	273.50
9-11 years	35.80	47.60	61.80	71.90	155.10	206.30	267.70	311.80
Male:								
12-13 years	38.50	54.60	68.60	80.50	166.60	236.40	297.20	348.80
14-18 years	39.60	55.30	70.50	81.10	171.40	239.60	305.50	351.50
19-50 years	42.60	55.20	69.00	84.90	184.60	239.00	299.10	367.80
51-70 years	38.80	52.00	64.80	78.30	168.10	225.30	280.70	339.30
71+ years	39.10	51.30	63.80	78.90	169.50	222.30	276.50	342.00
Female:								
12-13 years	38.40	47.00	56.80	69.50	166.30	203.60	246.30	301.30
14-18 years	37.70	47.00	56.70	70.00	163.40	203.60	245.70	303.20
19-50 years	37.80	47.80	58.90	75.30	163.90	207.10	255.40	326.40
51-70 years	37.40	46.50	58.00	70.20	162.00	201.40	251.50	304.10
71+ years	36.50	46.00	57.20	69.10	158.00	199.10	247.90	299.50
Families:								
Family of 2 (Male and Female): ⁴								
19-50 years	88.50	113.30	140.80	176.20	383.40	490.80	609.90	763.60
51-70 years	83.80	108.30	135.10	163.30	363.10	469.40	585.40	707.70
Family of 4:								
Couple (Male and Female), 19-50 years and children.								
2-3 and 4-5 years	129.00	164.60	203.50	252.30	558.90	713.30	881.80	1,093.10
6-8 and 9-11 years	147.90	194.70	242.90	295.30	641.00	843.40	1,052.60	1,279.40

¹ The Food Plans represent a nutritious diet at four different cost levels. The nutritional bases of the Food Plans are the 1997-2005 Dietary References Intakes, 2005 Dietary Guidelines for Americans, and 2005 MyPyramid food intake recommendations. In addition to cost, differences among plans are in specific foods and quantities of foods. Another basis of the Food Plans is that all meals and snacks are prepared at home. For specific foods and quantities of foods in the Food Plans, see *Thrifty Food Plan, 2006* (2007) and *The Low-Cost, Moderate-Cost, and Liberal Food Plans, 2007* (2007). All four Food Plans are based on 2001-02 data and updated to current dollars by using the Consumer Price Index for specific food items.

² All costs are rounded to nearest 10 cents.

³ 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 person-add 10 percent; 3 person-add 5 percent; 4 person-no adjustment; 5- or 6-person-subtract 5 percent; 7- (or more) person-subtract 10 percent. To calculate overall household food costs, (1) adjust food costs for each person in household and then (2) sum these adjusted food costs.

⁴ Ten percent added for family size adjustment.

Center for Nutrition Policy and Promotion, (703) 305-7600. This file and the referenced Food Plans may be accessed on CNPP's home page at <http://www.cnpp.usda.gov>.

Table 13-8.—SNAP: Participation and federal costs, fiscal years 2008–2017

Fiscal year ¹	Average monthly participation ²		Recipient benefits	Total cost ³	Average monthly benefit ⁴	
	Persons	Housholds			Per person	Per household
	<i>1,000</i>	<i>1,000</i>			<i>Dollars</i>	<i>Dollars</i>
2008	28,223	12,727	34,608,397	37,639,643	102.19	226.60
2009	33,490	15,232	50,359,919	53,619,921	125.31	275.51
2010	40,302	18,618	64,702,165	68,283,468	133.79	289.60
2011	44,709	21,072	71,810,924	75,686,540	133.85	283.99
2012	46,609	22,330	74,619,345	78,411,096	133.41	278.48
2013	47,636	23,052	76,066,319	79,859,063	133.07	274.98
2014	46,664	22,744	69,998,836	74,061,879	125.01	256.47
2015	45,767	22,522	69,645,138	73,946,370	126.81	257.69
2016	44,219	21,778	66,539,351	70,921,346	125.40	254.61
2017	42,165	20,872	63,746,905	68,034,698	125.99	254.51

SNAP is the Special Nutrition Assistance Program, formerly known as the Food Stamp Program. ¹October 1 to September 30. ²Participation data are 12-month averages. ³Total cost includes matching funds for state administrative expenses (e.g., certification of households, quality control, anti-fraud activities; employment and training); and for other Federal costs (e.g., benefit redemption processing; computer support; electronic benefit transfer systems; retailer redemption and monitoring; certification of SSI recipients; nutrition education and program information). ⁴The sharp rise in FY 2009 reflects April 2009 implementation of higher benefits mandated by the American Recovery Reinvestment Act.

FNS, Budget Division/Program Reports, Analysis and Monitoring Branch, (703) 305-2165.

Table 13-9.—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 2008–2017 ¹

Fiscal year ²	Child Nutrition				Cost of food distribution programs ⁵	WIC ⁶	Special Milk	Food Distribution Programs ⁷
	Cash payments							
	School Lunch	School Breakfast	Child & Adult Care ³	Summer Food ⁴				
	<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>
2008	8,264,807	2,365,478	2,168,750	286,880	1,139,810	6,188,804	14,859	543,025
2009	8,874,484	2,582,645	2,288,288	304,350	1,214,450	6,471,624	14,112	873,582
2010	9,751,746	2,859,231	2,397,546	314,794	1,221,664	6,689,911	11,926	894,325
2011	10,105,030	3,034,160	2,471,494	327,232	1,297,743	7,180,750	12,296	825,856
2012	10,414,297	3,276,990	2,589,619	350,378	1,278,044	6,801,320	12,295	756,016
2013	11,057,637	3,513,988	2,720,475	375,013	1,287,328	6,502,028	10,721	998,062
2014	11,356,115	3,685,371	2,848,902	409,403	1,435,978	6,353,600	10,499	939,066
2015	11,696,222	3,892,017	3,009,127	427,845	1,455,697	6,218,670	10,514	839,639
2016	12,258,034	4,212,651	3,217,374	418,006	1,465,099	5,972,204	9,057	971,944
2017	12,204,001	4,235,901	3,233,801	423,039	1,541,701	5,599,152	8,327	959,812

¹See table 13-8 for Special Nutrition Assistance Program costs. ²October 1–September 30. ³Includes sponsor administrative, audit, and startup costs. ⁴Includes sponsor administrative, State administrative and health clinic costs. ⁵Includes entitlement commodities, bonus commodities, and cash-in-lieu for the National School Lunch, School Breakfast, Child and Adult Care Food, and Summer Food Service Programs. ⁶Includes food costs, administrative costs, program evaluation funds, special grants, and Farmer's Market projects for the Special Supplemental Food Program for Women, Infants and Children. ⁷Includes entitlement and bonus commodities, cash-in-lieu of commodities, and administrative costs of the following programs: Food Distribution to Indian Reservations, Nutrition Services Incentive Program (formerly Nutrition Program for the Elderly), Commodity Supplemental Food, Charitable Institutions, Summer Camps, Emergency Food Assistance Program (TEFAP), Disaster Feeding, Bureau of Federal Prisons, Veteran Affairs Administration, and the Food Stamp Program Elderly Pilot Project.

FNS, Budget Division/Program Reports, Analysis and Monitoring Branch, (703) 305-2165.

Table 13-10.—Food and Nutrition Service program benefits: Cash payments made under the National School Lunch, School Breakfast, Child and Adult Care, Summer Food and Special Milk Programs and the value of food benefits provided under the SNAP, WIC, Commodity Distribution and The Emergency Feeding Food Assistance Programs, fiscal year 2017¹

State/Territory	Child Nutrition Program (cash payments only) ²					Special Supplemental Food Program (WIC)	SNAP (formerly Food Stamp Program) ⁴	Emergency food assistance (TEFAP)	Commodity distribution ³	Total ⁴
	Child and Adult Care Food	Summer Food	Special Milk	National School Lunch	School Breakfast					
<i>1,000 dollars</i>										
Alabama	52,258	8,067	23	212,288	78,169	63,598	1,161,156	11,027	28,189	1,614,775
Alaska	8,792	1,390	0	37,764	13,002	11,764	191,487	1,353	3,599	269,152
Amer. Samoa ⁴	0	0	0	0	0	4,875	0	0	0	4,875
Arizona	47,492	2,420	44	280,631	94,310	73,134	1,335,235	15,501	39,189	1,887,956
Arkansas	55,032	4,055	0	135,798	53,962	39,891	510,832	7,283	18,406	825,259
California	428,002	18,838	307	1,491,133	513,900	558,934	6,732,701	70,060	202,440	10,016,315
Colorado	24,712	4,227	150	133,459	48,526	37,390	701,946	6,524	20,343	977,278
Connecticut	16,693	4,189	111	101,996	31,880	25,011	653,080	6,749	13,471	853,178
Delaware	16,384	1,820	16	36,932	14,283	7,510	210,706	1,908	6,875	296,434
District of Columbia	9,762	2,106	2	28,339	11,349	7,511	200,333	1,652	3,981	265,034
Florida	251,229	36,840	15	770,725	244,080	239,592	4,787,748	36,111	103,108	6,469,450
Georgia	113,120	14,566	17	520,709	189,245	102,342	2,540,245	20,305	52,667	3,553,216
Guam	414	0	0	8,406	3,044	5,924	102,836	849	33	121,507
Hawaii	6,595	589	0	44,355	11,068	16,189	479,722	1,813	3,544	563,876
Idaho	7,454	3,718	92	51,431	18,266	15,179	233,882	2,490	9,134	341,646
Illinois	138,124	12,661	1,925	460,372	138,629	123,105	2,933,509	23,276	60,361	3,891,961
Indiana	56,660	8,261	133	259,469	78,949	53,443	955,393	12,724	46,080	1,471,114
Iowa	25,070	3,920	65	112,839	28,155	24,252	482,469	4,697	16,138	697,604
Kansas	29,113	4,157	64	107,307	31,942	22,585	318,489	4,320	14,826	532,802
Kentucky	39,307	8,041	19	227,724	91,614	38,723	943,689	8,147	33,741	1,391,006
Louisiana	89,031	7,412	18	245,747	86,009	64,132	1,440,111	10,514	39,556	1,982,532
Maine	8,995	2,153	13	34,159	12,658	9,689	234,668	2,753	7,397	312,483
Maryland	52,506	9,069	272	170,431	67,418	64,068	987,124	5,094	27,058	1,383,040
Massachusetts	62,033	7,167	213	195,197	62,826	48,641	1,159,028	8,620	28,282	1,572,007
Michigan	65,490	10,052	217	302,154	112,152	99,632	2,069,171	17,655	52,544	2,729,067
Minnesota	59,276	8,845	737	169,678	53,066	53,747	602,993	7,195	31,950	987,488
Mississippi	44,710	6,673	3	173,633	64,500	48,792	743,316	6,521	25,196	1,113,345
Missouri	49,713	13,165	397	210,388	76,689	48,522	1,116,216	10,787	37,992	1,563,871
Montana	10,086	1,889	11	28,106	9,643	8,699	172,036	1,323	8,166	239,958
Nebraska	29,520	2,607	76	74,008	18,915	17,502	241,772	2,377	13,945	400,723
Nevada	12,440	1,642	63	100,843	40,705	27,188	625,063	5,465	12,961	826,369
New Hampshire ..	4,576	1,193	141	22,101	5,246	4,022	112,556	1,557	6,021	157,413
New Jersey	77,810	10,374	267	259,669	95,466	88,984	1,115,683	15,064	31,997	1,695,312
New Mexico	30,175	5,168	0	101,490	43,694	21,789	669,613	5,081	16,740	893,749
New York	227,803	56,994	600	708,843	232,307	251,310	4,737,482	35,890	85,476	6,336,705
North Carolina	91,906	12,800	98	387,631	138,821	111,171	2,171,960	15,617	52,341	2,982,344
North Dakota ..	9,210	774	23	21,036	5,524	7,051	77,843	992	9,279	131,732
Northern Marianas ⁴ ..	0	0	0	0	0	2,598	0	0	0	2,598
Ohio	87,467	11,318	326	372,934	126,494	80,586	2,225,320	19,918	56,160	2,980,521
Oklahoma	57,224	4,385	20	169,155	60,387	43,509	879,725	7,362	48,997	1,270,766
Oregon	32,672	5,701	83	114,981	38,465	35,759	1,009,209	8,124	17,411	1,262,404
Pennsylvania ..	115,567	12,976	277	386,089	117,436	118,817	2,673,354	26,494	64,371	3,515,382
Puerto Rico ⁴ ..	24,528	9,094	0	105,944	28,231	134,731	0	10,527	11,117	324,172
Rhode Island ..	8,969	1,368	43	31,243	10,282	10,054	269,676	1,150	4,009	336,794
South Carolina	34,531	9,245	5	204,310	78,041	51,817	1,065,958	10,381	22,798	1,477,087
South Dakota	7,862	1,488	26	28,823	7,596	8,808	140,613	663	11,237	207,117
Tennessee	63,387	8,874	18	286,130	114,075	63,030	1,586,711	13,475	38,767	2,174,466
Texas	368,372	33,518	14	1,436,549	560,671	268,745	5,805,152	45,071	184,601	8,702,693
Utah	26,134	1,052	54	100,773	22,788	24,823	286,289	3,603	18,395	483,910
Vermont	6,062	1,191	16	15,716	6,236	6,362	112,924	1,276	2,950	152,731
Virginia	46,212	9,402	106	248,637	90,025	44,859	1,115,537	10,889	27,152	1,592,818
Virgin Islands ..	1,474	464	0	4,591	1,015	3,115	54,710	188	526	66,083
Washington	45,718	4,934	210	199,848	55,476	69,146	1,363,775	11,743	30,519	1,781,369
West Va	15,828	1,616	13	80,382	42,667	17,775	481,165	3,904	10,890	654,240
Wisconsin	35,932	7,746	961	169,244	52,031	42,264	877,904	8,943	35,606	1,230,630
Wyoming	4,369	821	24	15,076	3,975	4,020	46,792	680	3,092	78,849
DoD ⁵	0	0	0	6,788	0	0	0	0	1,046	7,834
Total ⁴	3,233,801	423,039	8,327	12,204,001	4,235,901	3,476,710	63,746,905	573,684	1,752,672	89,655,041

¹ Excludes all administrative and program evaluation costs. ² Excludes totals for Food Safety Education and Team Nutrition. ³ Includes distribution of bonus and entitlement commodities to the National School Lunch, Child and Adult Care, Summer Food Service, Charitable Institutions, Summer Camps, Food Distribution on Indian Reservations, Nutrition Services Incentive Program (NSIP, formerly Nutrition Program for the Elderly), Commodity Supplemental Food, and Disaster Feeding Programs. Also includes cash-in-lieu of commodities for the National School Lunch and the Child and Adult Care Food programs (NSIP cash grants were transferred to the Agency on Aging, DHHS, in FY 2003). ⁴ Excludes Nutrition Assistance grants for Puerto Rico, Northern Marianas, and American Samoa. ⁵ Dept. of Defense represents food service to children of armed forces personnel in overseas schools.

Table 13-11.—Food and Nutrition Service Programs: Persons participating, fiscal years 2008–2017

Fiscal year	National School Lunch Program ¹	School Breakfast Program ¹	Child and Adult Care Program ²	Summer Food Service ³	WIC Program ⁴
	Thousands	Thousands	Thousands	Thousands	Thousands
2008	31,016	10,612	3,254	2,130	8,705
2009	31,310	11,076	3,649	2,260	9,122
2010	31,753	11,669	3,411	2,304	9,175
2011	31,842	12,175	3,431	2,278	8,961
2012	31,653	12,868	3,571	2,348	8,908
2013	30,683	13,203	3,681	2,425	8,663
2014	30,459	13,636	3,897	2,663	8,258
2015	30,475	14,037	4,182	2,570	8,024
2016	30,356	14,562	4,405	2,822	7,696
2017	30,049	14,723	4,360	2,606	7,283

¹ Average monthly participation (excluding summer months). ² Average daily attendance (data reported quarterly). ³ Average daily attendance for peak month (July). ⁴ Average monthly participation. WIC is an abbreviation for the Special Supplemental Food Program for Women, Infants and Children.

FNS, Budget Division/Program Reports, Analysis and Monitoring Branch, (703) 305-2165.

Table 13-12.—Consumers' prices: Index number of prices paid for goods and services, United States, 2008–2017¹
[1982–84=100]

Year	Food	Nonfood items					All items
		Apparel and upkeep	Housing		Transportation	Medical care	
			Total	Rent			
2008	214.1	118.9	216.3	257.2	195.5	364.1	215.3
2009	218.0	120.1	217.1	259.9	179.3	375.6	214.5
2010	219.6	119.5	216.3	258.8	193.4	388.4	218.1
2011	227.8	122.1	219.1	262.2	212.4	400.3	224.9
2012	233.8	126.3	222.7	267.8	217.3	414.9	229.6
2013	237.0	127.4	227.4	274.0	217.4	425.1	233.0
2014	242.7	127.5	233.2	281.8	215.9	435.3	236.7
2015	247.2	125.9	238.1	290.4	199.1	446.8	237.0
2016	247.9	126.0	244.0	300.3	194.9	463.7	240.0
2017	250.1	125.6	251.2	310.3	201.6	475.3	245.1

¹ 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. Data are for all urban consumers. ERS, Food Markets Branch, (202) 694-5349. Compiled from data of the U.S. Department of Labor.

CHAPTER XIV

STATISTICS OF FERTILIZERS AND PESTICIDES

This chapter contains statistics on percentages of crop acres treated by various types of fertilizers and pesticides. Nitrogen, phosphate, potash, and sulfur are the most common fertilizers; herbicides, insecticides, fungicides, and other chemicals are the main categories of pesticides. Other chemicals include soil fumigants, vine killers, and desiccants. The tables show data for field crops for 2007-2017, fruits for 2017, and vegetables for 2016. NASS collects data for field crops on an annual basis; data collection for fruits and vegetables was suspended for fiscal year 2013. The surveyed States are generally the major producing States for each crop shown in the tables and represent 65-95 percent of the U.S. planted acres, depending on the selected crop.

Application data for specific pesticide active ingredients and additional fertilizer data are available in the series of NASS "Agricultural Chemical Usage" reports and data sets.

Table 14-1.—Field crops: Fertilizer, and percent of area receiving applications, all States surveyed, 2007–2017¹

Crop	Nitrogen <i>Percent</i>	Phosphate <i>Percent</i>	Potash <i>Percent</i>	Sulfur <i>Percent</i>
2007:				
All Cotton	92	67	52	42
2009:				
Wheat, Durum	99	85	11	9
Wheat, Other Spring	94	84	21	14
Wheat, Winter	83	54	16	16
2010:				
Corn	97	78	61	15
Cotton, Upland	90	62	52	42
Potatoes, Fall	99	96	90	73
2011:				
Barley	86	68	28	30
Sorghum	81	54	9	16
2012:				
Soybeans	27	37	37	7
Wheat, Durum	98	89	12	12
Wheat, Other Spring	97	87	27	20
Wheat, Winter	85	55	13	19
2013:				
Rice	97	75	54	23
Peanuts	40	42	42	17
2014:				
Corn	97	80	65	29
Potatoes, Fall	99	97	90	79
2015:				
Cotton	78	56	42	30
Oats	76	62	40	24
Soybeans	28	39	38	8
Wheat, Spring (Excl Durum)	97	89	40	30
Wheat, Spring Durum	98	95	32	31
Wheat, Winter	88	60	16	22
2016:				
Corn	97	79	65	33
Potatoes, Fall	98	92	90	76
2017:				
Cotton	78	59	45	38
Soybeans	31	41	42	9
Wheat, Durum	98	91	28	36
Wheat, Other Spring	96	89	34	38
Wheat, Winter	83	58	15	25

¹ Refers to percent of planted acres receiving one or more applications of a specific fertilizer ingredient. See tables 14-2 through 14-21 for surveyed States.

Note: See planted acreage estimates in tables 1-56 for barley, 1-36 for corn, 2-2 for upland and all cotton, 1-48 for oats, 3-16 for peanuts, 1-27 for rice, 1-65 for sorghum, 3-32 for soybeans and 1-8 for wheat.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-2.—Barley: Pesticide usage, 2003 and 2011 ¹

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands
Arizona:								
2011	37	16	*	*	.....	.....	.....	.....
California:								
2003	67	32	.....	.....	.....	.....	.....	.....
2011	39	48	*	*	.....	.....	.....	.....
Colorado:								
2011	96	36	22	1	25	2	.....	.....
Idaho:								
2003	94	573	3	16	.....	.....	5	9
2011	91	302	11	1	18	11	14	27
Minnesota:								
2003	89	88	8	3	39	9	.....	.....
2011	58	19	10	2	32	3	.....	.....
Montana:								
2003	93	1,005	2	5	.....	.....	.....	.....
2011	92	1,065	*	*	26	16	*	*
North Dakota:								
2003	98	1,067	4	12	11	20	.....	.....
2011	95	236	6	4	48	26	.....	.....
Oregon:								
2011	74	21	*	*	31	1	*	*
Pennsylvania:								
2003	32	8	.....	.....	.....	.....	.....	.....
2011	39	7	*	*	3	**	.....	.....
South Dakota:								
2003	86	34	.....	.....	.....	.....	.....	.....
Utah:								
2003	75	17	.....	.....	.....	.....	.....	.....
Virginia:								
2011	59	29	20	**	15	1	*	*
Washington:								
2003	94	358	.....	.....	.....	.....	.....	.....
2011	93	111	.....	.....	19	2	.....	.....
Wisconsin:								
2003	21	5	.....	.....	.....	.....	.....	.....
2011	25	4	.....	.....	.....	.....	.....	.....
Wyoming:								
2003	83	57	10	.....	.....	.....	.....	.....
2011	76	32	*	*	13	1	.....	.....

¹Insufficient number of reports to publish data. **1A Amount applied is less than 500 lbs. Data not available for all States for all years.

Note: Planted acres are in table 1-56.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-3.—Barley: Fertilizer usage, 2003 and 2011 ¹

State	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur ²	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Millions	Percent	Millions	Percent	Millions	Percent	Millions
Arizona								
2011	97	8.2	39	1.5	*	*	21	0.3
California:								
2003	72	5.2	32	0.6	2			
2011	41	2.6	*	*			14	0.2
Colorado:								
2011	82	7.2	40	1.5	28	0.6	36	0.4
Idaho:								
2003	91	56.2	58	15.4	25	5.7		
2011	93	44.2	66	10.0	37	4.9	65	9.6
Minnesota:								
2003	91	11.4	87	5.6	66	4.0		
2011	60	3.3	56	1.3	44	1.0	11	0.1
Montana:								
2003	92	44.2	88	30.2	52	9.7		
2011	90	29.1	83	16.6	37	3.6	16	1.2
North Dakota:								
2003	98	116.5	91	50.7	20	4.2		
2011	96	28.3	92	11.1	16	1.0	4	0.1
Oregon:								
2011	77	1.6	26	0.1	*	*	36	0.1
Pennsylvania:								
2003	69	2.2	39	1.1	40	1.2		
2011	64	1.9	32	0.8	32	0.8	10	0.1
South Dakota:								
2003	82	2.6	78	1.9	13	0.2		
Utah:								
2003	58	2.1	14	0.3				
Virginia:								
2011	77	4.9	39	1.7	35	1.7	24	0.3
Washington:								
2003	99	22.5	58	2.5	8	0.5		
2011	91	9.0	59	1.1	9	0.2	90	1.6
Wisconsin:								
2003	37	0.5	36	0.7	44	1.8		
2011	34	0.2	*	*	34	1.0	14	0.1
Wyoming:								
2003	78	7.3	60	2.4	22	0.7		
2011	73	5.2	55	1.8	30	0.8	18	0.4

¹Insufficient number of reports to publish data. ²Area applied is less than 0.5 percent. ³Amount applied is less than 50,000 lbs. ¹Data not available for all States for all years. ²Estimates began in 2005.
 Note: Planted acres are in table 1-56.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-4.—Corn: Pesticide usage, 2010–2016^{1 2}

State	Percent treated and amount applied							
	Herbicide		Insecticide ²		Fungicide ²		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands
Colorado:								
2010	95	3,176	12	81	.....	.....	.....	.....
2016	85	3,819	23	94	(D)	(D)	(D)	(D)
Georgia:								
2010	97	559	30	58	(D)	(D)	.....	.....
2016	98	1,417	22	38	31	30	.....	.....
Illinois:								
2010	99	29,354	28	399	23	339	(D)	(D)
2014	98	26,870	23	237	21	321	(D)	(D)
2016	99	32,524	18	146	19	256	(D)	(D)
Indiana:								
2010	97	15,060	14	114	5	31	.....	.....
2014	100	14,609	9	45	12	80	(D)	(D)
2016	99	14,689	17	78	16	144	(D)	(D)
Iowa:								
2010	100	26,195	8	148	11	149	.....	.....
2014	95	30,240	13	122	19	296	(D)	(D)
2016	97	35,858	10	280	22	438	(D)	(D)
Kansas:								
2010	96	14,727	7	93	(D)	(D)	(D)	(D)
2014	97	11,432	10	244	3	13	.....	.....
2016	98	18,892	6	500	(D)	(D)	(D)	(D)
Kentucky:								
2010	98	4,661	39	12	(D)	(D)	(D)	(D)
2014	94	4,102	29	15	11	19	(D)	(D)
2016	95	6,263	30	26	26	49	(D)	(D)
Michigan:								
2010	98	4,520	(D)	(D)	(D)	(D)	(D)	(D)
2014	98	5,710	4	5	12	36	.....	.....
2016	93	4,845	6	21	(D)	(D)	(D)	(D)
Minnesota:								
2010	95	11,619	7	108	(D)	(D)	.....	.....
2014	98	13,596	2	26	(D)	(D)	(D)	(D)
2016	97	16,461	7	43	3	32	.....	.....
Missouri:								
2010	94	8,304	17	7	(D)	(D)	.....	.....
2014	98	8,517	24	43	14	61	.....	.....
2016	92	10,121	12	16	(D)	(D)	.....	.....
Nebraska:								
2010	97	20,418	4	231	8	100	(D)	(D)
2014	95	21,320	16	213	10	118	(D)	(D)
2016	95	27,905	15	186	10	142	(D)	(D)
New York:								
2010	98	2,721	13	23	.....	.....	.....	.....
2016	98	2,370	(D)	(D)	.....	.....	(D)	(D)
North Carolina:								
2010	98	2,349	40	30	(D)	(D)	.....	.....
2016	95	3,447	5	3	(D)	(D)	(D)	(D)
North Dakota:								
2010	100	3,761	(D)	(D)	.....	.....	.....	.....
2014	97	4,489	(D)	(D)	4	16	.....	.....
2016	100	6,242	.....	.....	(D)	(D)	.....	.....
Ohio:								
2010	99	9,149	8	93	.....	.....	.....	.....
2014	99	9,231	13	64	9	81	(D)	(D)
2016	98	9,025	17	45	13	39	(D)	(D)
Pennsylvania:								
2010	99	4,668	30	31	.....	.....	.....	.....
2014	97	4,080	20	46	4	6	4	2
2016	96	4,446	23	12	9	17	(D)	(D)
South Dakota:								
2010	100	8,480	1	4	.....	.....	.....	.....
2014	98	10,803	(D)	(D)	9	47	.....	.....
2016	99	13,157	(D)	(D)	(D)	(D)	.....	.....
Texas:								
2010	97	3,755	13	133	(D)	(D)	.....	.....
2014	89	4,338	14	528	23	27	(D)	(D)
2016	84	5,992	13	364	26	40	.....	.....
Wisconsin:								
2010	97	8,676	11	64	(D)	(D)	.....	.....
2014	90	6,952	8	22	(D)	(D)	(D)	(D)
2016	98	8,572	12	24	5	6	.....	.....

(D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years. ² Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.

Note: Planted acres are in table 1-36.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-5.—Corn: Fertilizer usage, 2010–2016 ¹

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Millions	Percent	Millions	Percent	Millions	Percent	Millions
Colorado:								
2010	98	165.1	52	19.3	8	1.6	19	3.4
2016	96	149.8	66	31.3	13	2.9	38	8.4
Georgia:								
2010	90	46.7	74	14.8	78	22.6	51	2.4
2016	97	74.2	84	23.4	88	46.8	43	4.0
Illinois:								
2010	98	2,061.5	85	988.1	81	1,080.0	9	20.5
2014	99	1,918.3	85	938.4	81	1,066.9	8	17.5
2016	98	1,908.8	86	892.7	81	1,036.9	15	43.1
Indiana:								
2010	99	1,041.0	90	366.5	87	613.5	10	10.4
2014	96	877.7	81	351.1	79	530.5	22	16.0
2016	98	895.1	78	321.4	85	517.6	30	21.1
Iowa:								
2010	95	1,806.6	72	620.3	68	734.7	8	11.5
2014	96	1,842.2	64	600.5	63	705.3	18	40.2
2016	98	2,036.1	67	701.1	70	938.8	21	45.3
Kansas:								
2010	99	629.7	81	146.7	37	72.1	29	20.3
2014	98	549.6	87	148.5	35	60.5	29	10.1
2016	99	721.2	88	165.1	48	61.3	33	10.6
Kentucky:								
2010	96	210.6	88	116.8	88	124.6	(D)	(D)
2014	98	214.1	88	109.0	87	119.0	14	4.5
2016	96	249.7	82	97.0	87	121.4	23	9.6
Michigan:								
2010	99	288.8	93	72.1	83	186.9	35	4.5
2014	98	338.7	84	89.2	82	192.6	25	7.4
2016	94	276.0	80	83.9	71	141.2	35	11.6
Minnesota:								
2010	87	835.4	72	277.3	68	327.7	9	8.5
2014	94	1,091.8	86	491.4	80	570.2	51	72.5
2016	96	1,126.0	86	442.8	75	495.2	43	63.8
Missouri:								
2010	99	392.5	89	177.3	61	109.9	15	4.0
2014	98	603.3	81	191.1	83	228.0	32	16.2
2016	97	590.7	69	173.0	74	213.9	40	20.1
Nebraska:								
2010	99	1,270.1	69	256.4	20	46.1	23	28.4
2014	99	1,359.9	77	329.9	29	100.8	42	71.6
2016	100	1,400.1	79	314.6	35	65.3	41	68.6
New York:								
2010	86	52.2	75	28.3	59	23.2	(D)	(D)
2016	98	77.6	70	25.2	60	31.7	24	4.0
North Carolina:								
2010	94	109.3	83	30.6	81	57.6	29	5.2
2016	91	127.7	63	32.6	68	62.8	35	7.5
North Dakota:								
2010	100	326.7	94	85.5	53	35.1	8	2.2
2014	99	349.7	88	132.1	44	34.7	43	12.3
2016	97	446.5	92	195.4	59	63.9	56	32.4
Ohio:								
2010	100	481.8	90	198.8	83	257.8	18	11.2
2014	98	558.8	85	228.9	80	282.2	15	5.1
2016	99	585.4	87	225.6	79	302.4	31	22.9
Pennsylvania:								
2010	94	109.2	39	25.0	46	32.2	28	5.9
2014	96	137.7	67	39.7	66	40.5	35	5.6
2016	91	124.4	41	23.8	46	30.4	47	11.2
South Dakota:								
2010	99	580.8	85	196.0	35	46.6	19	11.7
2014	97	684.8	83	216.4	50	113.2	35	24.0
2016	99	715.9	87	249.9	52	136.1	44	36.2
Texas:								
2010	99	292.0	72	59.5	32	12.2	32	8.8
2014	95	310.5	77	77.9	37	19.2	43	10.7
2016	87	313.3	60	59.5	22	12.7	36	11.4
Wisconsin:								
2010	93	330.9	72	121.1	77	159.1	20	7.3
2014	98	407.6	85	127.9	88	222.2	49	31.7
2016	96	427.2	78	103.8	84	217.3	55	36.0

(D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years.
 Note: Planted acres are in table 1-36.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-6.—Cotton, Upland: Pesticide usage, 2007–2017^{1 2}

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide ³		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands
Alabama:								
2007	98	941	55	88	*	*	75	423
2015	100	997	76	107	(D)	(D)	97	673
2017	99	1,422	66	120	(D)	(D)	100	919
Arizona:								
2015	85	353	30	12	(D)	(D)	67	46
Arkansas:								
2007	97	2,399	92	1,092	2	16	96	1,780
2010	92	1,587	97	655	*	*	98	1,473
2015	99	752	99	322	(D)	(D)	100	605
2017	86	1,681	94	786	6	7	100	1,400
California:								
2007	90	565	90	506	2	1	93	1,414
2015	93	295	89	97	(D)	(D)	78	266
Georgia:								
2007	100	3,163	85	956	*	*	96	3,955
2010	100	4,098	75	1,121	*	*	95	4,300
2015	100	4,370	78	513	(D)	(D)	97	2,643
2017	99	4,409	71	348	1	9	99	3,185
Louisiana:								
2007	98	992	99	562	*	*	100	567
Mississippi:								
2007	100	2,132	97	1,231	2	3	99	1,146
2010	100	1,457	92	634	.....	.....	100	853
2015	100	1,495	92	385	.....	.....	100	769
2017	99	3,017	93	1,271	(D)	(D)	96	1,675
Missouri:								
2010	100	1,191	92	279	*	*	99	556
2015	100	590	78	193	(D)	(D)	100	470
2017	100	1,037	92	382	18	9	100	730
North Carolina:								
2007	100	1,479	79	300	3	15	99	896
2010	100	1,581	83	315	*	*	95	1,103
2015	98	1,448	77	137	(D)	(D)	90	613
2017	98	1,378	81	140	(D)	(D)	91	699
Oklahoma:								
2017	59	765	38	112	.....	.....	15	173
South Carolina:								
2015	100	739	87	227	.....	.....	83	211
Tennessee:								
2007	100	1,482	94	228	*	*	99	985
2010	98	1,291	94	146	*	*	97	790
2015	100	511	49	69	.....	.....	48	180
2017	98	1,266	96	429	(D)	(D)	100	739
Texas:								
2007	96	11,532	43	2,624	*	*	74	5,702
2010	99	13,111	35	2,891	*	*	80	5,425
2015	90	14,783	15	383	(D)	.....	67	3,022
2017	90	14,554	23	881	.....	.....	58	4,366

* Insufficient number of reports to publish data. (D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years. ² 2007 data are for all cotton (pima and upland). ³ Amount applied excludes Bt (*Bacillus thuringiensis*) and other biologicals.

Note: Planted acres are in table 2-2.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-7.—Cotton, Upland: Fertilizer usage, 2007–2017^{1 2}

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Millions	Percent	Millions	Percent	Millions	Percent	Millions
Alabama:								
2007	97	34.2	87	17.0	90	23.3	46	2.1
2015	99	28.3	78	13.1	79	23.7	48	2.2
2017	93	42	72	19.5	81	29.3	38	2.6
Arizona:								
2015	98	12.5	50	2.3	15	0.2	8	0.1
Arkansas:								
2007	98	94.1	83	29.4	85	63.9	46	5.5
2010	98	57.6	83	19.3	86	34.7	27	1.6
2015	100	27.0	79	7.8	80	14.3	46	1.2
2017	97	69.2	74	17.5	79	35.3	53	4.8
California:								
2007	96	53.6	39	13.2	20	4.3	*	*
2015	94	14.9	28	1.4	33	2.6	5	0.1
Georgia:								
2007	98	90.9	91	56.3	91	81.3	67	10.5
2010	97	122.7	86	66.9	91	127.0	53	8.1
2015	99	100.4	82	47.1	97	105.7	56	9.3
2017	100	143.5	81	58.0	91	103.7	63	14.3
Louisiana:								
2007	100	29.3	70	8.1	63	16.1	*	*
Mississippi:								
2007	100	77.3	33	12.4	54	37.7	28	2.0
2010	95	40.0	32	6.4	53	20.2	29	1.4
2015	96	33.1	44	8.0	65	24.3	17	0.7
2017	99	72.4	47	15.2	60	34.6	37	3.7
Missouri:								
2007	98	36.1	88	10.3	95	24.5	64	2.6
2010	100	40.2	81	12.2	93	25.2	61	3.7
2015	100	17.8	74	4.8	92	10.6	44	1.5
2017	98	33.3	87	12.4	96	20.5	62	3.3
North Carolina:								
2007	92	31.3	71	11.0	89	44.2	25	2.9
2010	98	35.7	68	17.2	87	45.6	38	2.6
2015	99	25.2	75	10.7	89	27.4	27	1.3
2017	96	30.6	67	12.4	87	32.0	56	6.6
Oklahoma:								
2017	54	31.8	44	11.4	19	4.8	7	0.3
South Carolina:								
2007	99	16.2	79	6.5	94	16.0	33	0.8
2015	99	20.1	73	6.7	96	23.7	19	0.7
Tennessee:								
2007	100	52.3	95	25.2	100	45.1	60	2.8
2010	100	36.9	96	19.1	99	33.4	75	3.2
2015	100	17.2	96	9.8	49	7.0	79	2.7
2017	100	35	99	19.0	95	29.9	82	3.3
Texas:								
2007	86	347.7	60	109.8	24	19.8	42	26.2
2010	85	296.6	52	92.0	30	25.0	38	26.8
2015	66	207.2	46	75.8	16	10.9	24	11.0
2017	68	363.7	52	133.2	25	35.1	31	26.0

¹Insufficient number of reports to publish data. ²Data not available for all States for all years. ³2007 data are for all cotton (pima and upland).

Note: Planted acres are in table 2-3.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-8.—Peanuts: Pesticide usage, 2004 and 2013¹

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>
Alabama:								
2004	100	277	81	200	100	896	.....	.....
2013	99	219	32	33	95	632**
Florida:								
2004	100	298	88	199	100	835	.....	.....
2013	93	237	59	28	100	670**
Georgia:								
2004	99	878	77	569	99	2,275	.....	.....
2013	100	853	48	177	97	1,692**
North Carolina:								
2004	100	221	92	161	96	164	43	1,404
2013	99	190	71	54	87	144	*	*
South Carolina:								
2013	96	150	60	33	81	261	.....	.....
Texas:								
2004	94	258	3	2	67	154	.....	.....
2013	65	93	11	2.0	33	42	.....	.....

¹Insufficient number of reports to publish data. ¹Data not available for all States for all years.
 Note: Planted acres are in table 3-16.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-9.—Peanuts: Fertilizer usage, 2004 and 2013¹

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur ²	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>
Alabama:								
2004	70	4.3	79	8.6	75	12.4	.....	.....
2013	48	1.5	54	3.0	57	5.2	19	0.6
Florida:								
2004	71	3.3	80	5.4	94	12.7	.....	.....
2013	81	2.2	86	4.9	93	11.7	36	1.3
Georgia:								
2004	48	5.3	59	17.5	51	23.7	.....	.....
2013	27	2.1	31	6.5	26	6.5	*	*
North Carolina:								
2004	37	1.0	35	1.2	64	6.7	.....	.....
2013	21	0.5	22	0.7	51	4.1	23	0.5
South Carolina:								
2013	13	0.5	14	0.4	22	1.5	*	*
Texas:								
2004	86	14.4	77	10.6	62	9.3	.....	.....
2013	57	5.3	47	2.4	34	1.4	37	0.7

¹Insufficient number of reports to publish data. ¹Data not available for all States for all years. ²Estimates began in 2005.
 Note: Planted acres are in table 3-16.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-10.—Oats: Pesticide usage, 2005 and 2015 ¹

State and Year	Percent treated and amount applied					
	Herbicide		Insecticide		Fungicide	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>		
California:						
2005	36	59	.....	.....	.....	.....
Idaho:						
2005	26	17	.....	.....	.....	.....
Illinois:						
2005	7	1	.....	.....	.....	.....
2015	(D)	(D)	.....	.....	(D)	(D)
Iowa:						
2005	3	2	.....	.....	.....	.....
2015	(D)	(D)	.....	.....	(D)	(D)
Kansas:						
2005	27	13	.....	.....	.....	.....
2015	41	28	.....	.....	(D)	(D)
Michigan:						
2005	61	26	.....	.....	.....	.....
2015	66	33	(D)	(D)	(D)	(D)
Minnesota:						
2005	21	26	.....	.....	.....	.....
2015	43	66	(D)	(D)	13	4
Montana:						
2005	34	18	.....	.....	.....	.....
Nebraska:						
2005	7	4	.....	.....	.....	.....
2015	35	21	.....	.....	(D)	(D)
New York:						
2005	51	23	.....	.....	.....	.....
2015	63	26	(D)	(D)	(D)	(D)
North Dakota:						
2005	54	167	.....	.....	.....	.....
2015	82	186	(D)	(D)	9	2
Ohio:						
2005	59	22	.....	.....	.....	.....
Pennsylvania:						
2005	58	46	.....	.....	.....	.....
2015	60	43	(D)	(D)	.....	.....
South Dakota:						
2005	37	52	.....	.....	.....	.....
2015	81	130	(D)	(D)	21	9
Texas:						
2005	26	80	18	35	.....	.....
2015	45	95	14	28	9	10
Wisconsin:						
2005	18	25	.....	.....	.....	.....
2015	30	37	(D)	(D)	6	2

(D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years.
 Note: Planted acres are in table 1-48.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-11.—Oats: Fertilizer usage, 2005 and 2015 ¹

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Millions	Percent	Millions	Percent	Millions	Percent	Millions
California:								
2005	26	4.4	.....	.....	.....	.....	.....	.....
Idaho:								
2005	42	1.6	22	1.4	5	0.1	12	0.2
Illinois:								
2005	15	0.4	12	0.4	26	1.7	.....	.....
2015	28	0.4	20	0.5	28	0.9	(D)	(D)
Iowa:								
2005	31	1.8	30	2.5	40	6.9	.....	.....
2015	27	1.4	26	2.1	28	2.7	11	0.3
Kansas:								
2005	84	4.4	39	1.4	17	0.8	.....	.....
2015	87	4.5	33	0.9	12	0.3	(D)	(D)
Michigan:								
2005	82	2.6	72	2.8	77	3.4	.....	.....
2015	81	2.0	75	1.7	78	2.0	6	(Z)
Minnesota:								
2005	28	4.2	22	2.4	28	5.9	5	0.2
2015	60	8.3	50	3.6	53	6.7	21	0.7
Montana:								
2005	53	2.0	35	1.0	14	0.4	9	0.1
Nebraska:								
2005	68	4.5	24	1.3	7	0.1	5	.....
2015	77	5.1	65	2.6	36	0.8	29	0.4
New York:								
2005	75	1.9	72	2.7	72	2.8	.....	.....
2015	66	1.3	63	1.7	62	1.8	(D)	(D)
North Dakota:								
2005	71	15.8	49	5.7	9	0.7	5	0.1
2015	88	12.1	70	7.2	27	0.9	22	0.6
Ohio:								
2015	70	1.3	69	2.2	66	2.7	(D)	(D)
Pennsylvania:								
2005	90	4.5	81	4.9	82	5.1	2	0.1
2015	81	2.2	76	2.9	75	2.7	(D)	(D)
South Dakota:								
2005	64	11.8	46	5.6	17	1.7	.....	.....
2015	91	22.1	74	9.2	20	1.1	17	0.7
Texas:								
2005	79	45.4	56	12.7	39	4.9	25	1.7
2015	97	27.8	82	12.1	39	3.2	51	3.0
Wisconsin:								
2005	23	2.1	24	3.9	35	15.1	8	0.4
2015	51	3.9	36	2.9	45	8.4	21	1.0

(D) Withheld to avoid disclosing data for individual operations. (Z) Less than half the rounding unit. ¹ Data not available for all States for all years.

Note: Planted acres are in table 1-48.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-12.—Potatoes, Fall: Pesticide usage, 2010–2016¹

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide ²		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>
Colorado:								
2010	92	173	93	108	98	191	74	5,156
2014	78	83	50	37	96	120	74	5,696
2016	73	73	77	8	74	87	(D)	(D)
Idaho:								
2010	98	829	67	190	93	983	63	36,080
2014	89	717	89	287	95	1,618	57	36,437
2016	92	662	65	81	99	846	49	23,552
Maine:								
2010	93	36	91	8	100	373	73	30
2014	97	30	84	9	90	329	78	37
2016	90	46	93	5	99	402	22	31
Michigan:								
2010	90	70	90	18	96	298	67	46
2014	99	86	96	32	99	442	73	35
2016	99	118	100	24	99	511	.....	.....
Minnesota:								
2010	90	44	99	9	100	586	48	3,099
2014	91	34	93	13	91	612	52	4,067
2016	90	90	94	7	98	879	(D)	(D)
North Dakota:								
2010	89	71	85	13	96	874	60	6,872
2014	90	71	89	10	99	801	30	1,653
2016	98	103	96	33	100	1,943	(D)	(D)
Washington:								
2010	98	376	97	392	99	1,197	80	16,901
2014	92	566	98	489	99	1,109	87	16,635
2016	100	662	98	205	98	1,472	56	14,517
Wisconsin:								
2010	82	73	91	12	96	866	92	2,742
2014	95	96	99	16	100	987	96	4,913
2016	99	120	84	39	100	825	48	4,502

(D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years. ² Amount applied excludes Bt (*bacillus thuringiensis*) and other biologicals.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-13.—Potatoes, Fall: Fertilizer usage, 2010–2016 ¹

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>
Colorado:								
2010	97	10.0	92	10.4	66	3.9	93	5.2
2014	94	9.2	93	7.2	70	1.6	94	2.6
2016	93	7.8	93	9.1	86	6.3	92	2.3
Idaho:								
2010	100	75.0	96	53.2	91	35.9	81	30.0
2014	99	78.1	98	47.5	85	36.3	90	23.6
2016	100	88.3	94	62.5	94	43.3	83	29.3
Maine:								
2010	99	8.8	99	8.2	95	10.2	(D)	(D)
2014	98	8.3	98	7.1	98	8.7	12	0.1
2016	98	8.5	96	7.0	98	10.4	5	(Z)
Michigan:								
2010	100	8.6	98	3.5	100	8.6	(D)	(D)
2014	100	7.9	99	3.8	100	9.6	52	1.7
2016	100	8.8	99	2.8	99	10.0	87	2.2
Minnesota:								
2010	98	9.2	100	4.6	100	14.6	80	1.3
2014	100	6.2	88	2.8	80	5.9	66	0.9
2016	99	6.7	98	3.0	91	5.7	73	1.7
North Dakota:								
2010	100	15.1	89	7.9	84	14.3	44	1.3
2014	100	12.3	97	8.9	100	8.7	79	1.7
2016	100	16.0	99	8.8	81	14.0	52	1.3
Washington:								
2010	100	32.6	99	24.9	94	36.0	90	9.7
2014	100	29.2	100	20.1	97	18.2	82	7.2
2016	95	30.6	75	19.0	81	18.3	80	8.1
Wisconsin:								
2010	100	16.5	100	5.3	93	17.7	91	3.9
2014	100	15.0	96	5.4	99	20.8	89	4.2
2016	100	15.5	100	5.9	98	20.5	90	4.5

(D) Withheld to avoid disclosing data for individual operations. (Z) Less than half of rounding unit for data item shown (see data item definition for rounding unit). ¹ Data not available for all States for all years.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-14.—Rice: Pesticide usage, 2006 and 2013 ¹

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>
Arkansas:								
2006	95	3,054	10	14	37	109	5	269
2013	97	2,646	30	10	45	103	5	251
California:								
2006	93	2,500	14	2	50	738**
2013	96	2,986	28	6	45	553**
Louisiana:								
2006	96	475	42	49	46	30**
2013	99	680	17	13	73	82**
Mississippi:								
2006	100	502	55	14	46	16	3	36
2013	100	364	51	2	35	9	6	37
Missouri:								
2006	100	454	.....	.....	25	12	.....	.....
2013	100	512	18	1	55	22	20	159
Texas:								
2006	97	496	77	83	55	21**
2013	88	263	35	3	35	11**

^{*} Insufficient number of reports to publish data. ¹ Data not available for all States for all years.
 Note: Planted acres are in table 1-27.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-15.—Rice: Fertilizer usage, 2006 and 2013 ¹

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>
Arkansas:								
2006	97	281.2	68	54.7	60	64.9	9	6.0
2013	96	195.8	76	53.2	56	51.3	14	2.1
California:								
2006	94	61.4	75	18.2	40	7.2	31	4.0
2013	98	83.9	81	21.2	38	7.2	41	4.4
Louisiana:								
2006	99	52.8	78	14.6	75	16.2	4	0.3
2013	100	63.9	87	16.0	79	23.0	14	1.3
Mississippi:								
2006	99	35.8	29	2.5	4	0.5	42	1.5
2013	100	23.3	13	0.8	*	*	50	1.2
Missouri:								
2006	100	45.2	47	5.5	42	5.7	29	0.7
2013	100	32.7	56	4.7	*	*	29	0.6
Texas:								
2006	97	29.2	92	5.8	89	6.0	30	0.6
2013	90	22.3	82	5.5	79	5.4	11	0.1

^{*} Insufficient number of reports to publish data. ¹ Data not available for all States for all years.
 Note: Planted acres are in table 1-27.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-16.—Sorghum: Pesticide usage, 2003 and 2011 ¹

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>				
Colorado:								
2003	52	132	.....	.....	.....	.....	.....	.....
2011	75	285	.....	.....	.....	.....	.....	.....
Kansas:								
2003	90	9,014	.....	.....	.....	.....	.....	.....
2011	96	9,411	4	3	.....	.....	.....	.....
Missouri:								
2003	98	571	6	4	.....	.....	.....	.....
Nebraska:								
2003	98	2,030	4	29	.....	.....	.....	.....
2011	84	362	*	*	.....	.....	.....	.....
Oklahoma:								
2003	84	329	*	*	.....	.....	.....	.....
2011	74	505	*	*	.....	.....	.....	.....
South Dakota:								
2003	87	430	.....	.....	.....	.....	.....	.....
2011	89	289	*	*	.....	.....	.....	.....
Texas:								
2003	78	2,881	20	208	.....	.....	.....	.....
2011	72	1,901	10	9	.....*	.....*	.....	.....

¹ Insufficient number of reports to publish data. ¹ Data not available for all States for all years. Note: Planted acres are in table 1-65. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-17.—Sorghum: Fertilizer usage, 2003 and 2011 ¹

State	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur ²	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>
Colorado:								
2003	61	7.8	39	5.5	.....	.....	.....	.....*
2011	75	7.4	41	1.5****
Kansas:								
2003	97	261.8	55	57.5	4	4.7	.....	.....
2011	83	135.7	51	32.8	8	2.9	9	1.5
Missouri:								
2003	100	25.0	75	9.1	72	10.8	.....	.....
Nebraska:								
2003	99	56.7	40	6.1	1	0.1	.....	.....
2011	88	11.0	41	1.9	15	0.2	22	0.4
Oklahoma:								
2003	69	15.5	36	3.6	11	0.8	.....	.....
2011	81	11.9	58	3.8	13	0.2	13	0.3
South Dakota:								
2003	84	13.0	54	4.4	3	0.1	.....	.....*
2011	88	8.9	45	1.9	*	*	*	*
Texas:								
2003	63	182.8	43	45.5	14	5.5	.....	.....
2011	77	94.1	63	27.2	11	3.7	29	5.1

¹ Insufficient number of reports to publish data. ¹ Data not available for all States for all years. ² Estimates began in 2005. Note: Planted acres are in table 1-65. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-18.—Soybeans: Pesticide usage, 2015 and 2017¹

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide ²		Fungicide		Other Chemicals ²	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands
Arkansas:								
2015	89	6,565	23	129	10	57	.....	.....
2017	97	7,898	33	350	13	76	(D)	(D)
Illinois:								
2015	99	19,119	7	89	12	173	3	37
2017	95	20,547	19	98	22	399	5	22
Indiana:								
2015	96	11,216	11	118	8	60	.....	.....
2017	98	14,058	15	48	16	209	6	7
Iowa:								
2015	93	17,021	25	425	18	235	(D)	(D)
2017	95	19,887	19	221	17	280	(D)	(D)
Kansas:								
2015	98	9,017	9	62	(D)	(D)	(D)	(D)
2017	93	9,362	15	87	4	22	(D)	(D)
Kentucky:								
2015	97	3,199	23	55	20	74	(D)	(D)
2017	97	3,759	33	87	21	55	5	2
Louisiana:								
2015	97	4,186	63	.....	43	107	(D)	(D)
Michigan:								
2015 .....	.....	3,041	(D)	(D)	9	63	(D)	(D)
2017	98	3,986	5	9	7	24	(D)	(D)
Minnesota:								
2015	96	11,723	56	656	11	118	(D)	(D)
2017	94	12,240	38	577	13	203	(D)	(D)
Mississippi:								
2015	97	7,493	38	123	25	103	7	718
2017	100	8,596	50	493	40	135	14	498
Missouri:								
2015	90	8,460	6	19	(D)	(D)	.....	.....
2017	92	10,982	21	222	12	102	3	(Z)
Nebraska:								
2015	98	9,967	9	25	7	44	.....	.....
2017	98	11,089	6	189	9	105	(D)	(D)
North Carolina:								
2015	97	3,620	19	54	13	64	(D)	(D)
2017	97	3,264	38	77	18	52	(D)	(D)
North Dakota:								
2015	99	9,737	37	367	7	79	(D)	(D)
2017	94	11,454	13	241	6	82	(D)	(D)
Ohio:								
2015	96	8,377	7	13	10	67	(D)	(D)
2017	96	9,448	11	20	18	126	4	6
South Dakota:								
2015	93	9,025	29	291	5	33	.....	.....
2017	98	11,515	(D)	(D)	3	18	(D)	(D)
Tennessee:								
2015	100	4,427	22	14	15	40	(D)	(D)
Virginia:								
2015	96	1,224	37	25	16	19	(D)	(D)
Wisconsin:								
2015	96	2,829	(D)	(D)	11	30	(D)	(D)
2017	96	3,058	(D)	(D)	14	47	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years. ² Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.
 Note: Planted acres are in table 3-32.
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Table 14-19.—Soybeans: Fertilizer usage, 2015 and 2017 ¹

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Millions	Percent	Millions	Percent	Millions	Percent	Millions
Arkansas:								
2015	(D)	(D)	59	113.6	64	168.2	(D)	(D)
2017	13	18.9	51	106.7	59	205.0	2	2.6
Illinois:								
2015	21	53.2	28	190.3	44	486.0	3	4.8
2017	25	63.8	36	279.8	53	713.6	5	7.4
Indiana:								
2015	35	35.9	39	115.9	50	317.3	6	2.2
2017	31	57.3	39	144.2	62	417.2	6	8.4
Iowa:								
2015	15	32.1	30	156.8	32	264.3	5	7.3
2017	13	14.4	23	145.0	34	357.1	6	8.1
Kansas:								
2015	33	18.9	36	45.3	20	23.5	12	2.2
2017	49	40.6	54	118.0	26	65.4	14	4.7
Kentucky:								
2015	37	17.8	54	59.6	58	85.0	4	0.8
2017	28	13.7	68	94.4	70	130.2	7	2.5
Louisiana:								
2015	(D)	(D)	29	22.0	29	27.9	7	1.8
Michigan:								
2015	36	10.2	33	27.5	49	85.1	11	1.8
2017	48	15.9	49	49.2	74	141.0	11	1.8
Minnesota:								
2015	19	19.4	27	102.7	29	131.2	6	4.6
2017	26	35.2	28	95.0	34	161.0	6	5.1
Mississippi:								
2015	8	2.7	26	37.6	33	68.3	(D)	(D)
2017	4	0.7	17	20.6	38	66.6	4	1.6
Missouri:								
2015	20	16.8	41	103.1	46	159.9	7	4.9
2017	20	32.4	46	143.9	55	272.0	11	7.4
Nebraska:								
2015	36	30.5	45	115.8	15	24.3	25	19.1
2017	43	34.4	46	128.1	16	28.1	19	14.2
North Carolina:								
2015	53	21.8	49	42.0	64	96.8	12	3.2
2017	54	20.3	46	30.1	72	95.5	15	4.2
North Dakota:								
2015	48	28.0	51	114.0	14	23.3	13	7.2
2017	45	48.7	50	167.4	11	19.2	12	13.4
Ohio:								
2015	32	25.9	34	82.3	49	232.2	4	3.1
2017	32	25.2	30	72.0	61	329.5	8	15.9
South Dakota:								
2015	41	22.3	49	102.5	27	36.4	4	1.6
2017	40	22.4	56	124.1	26	50.3	4	5.7
Tennessee:								
2015	48	22.1	66	78.1	70	116.5	17	2.9
Virginia:								
2015	58	9.2	64	19.6	79	40.6	25	2.0
Wisconsin:								
2015	39	13.1	44	34.4	71	116.7	29	6.9
2017	59	24.3	56	52.5	80	156.0	31	9.1

¹Insufficient number of reports to publish data. (D) Withheld to avoid disclosing data for individual operations. ¹Data not available for all States for all years.

Note: Planted acres are in table 3-32.

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Table 14-20.—Wheat: Pesticide usage, 2015 and 2017 ¹

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide ²		Other Chemicals ²	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands
Winter								
Colorado:								
2015	75	2,816	(D)	(D)	36	127	.....	.....
2017	83	3,230	(D)	(D)	24	63	.....	.....
Idaho:								
2015	90	.....	(D)	(D)	56	50	(D)	(D)
2017	95	496	15	20	60	79	.....	.....
Illinois:								
2015	45	56	9	1	25	21	(D)	(D)
2017	59	39	33	5	46	61	(D)	(D)
Kansas:								
2015	58	3,043	(D)	(D)	17	174	.....	.....
2017	69	4,917	(D)	(D)	21	250	.....	.....
Michigan:								
2017	66	80	40	4	67	67	11	5
Missouri:								
2015	40	98	22	5	27	38	.....	.....
2017	62	133	33	12	44	54	(D)	(D)
Montana:								
2015	97	3,299	(D)	(D)	18	42	.....	.....
2017	96	4,105	.....	.....	21	47	.....	.....
Nebraska:								
2015	69	607	(D)	(D)	(D)	(D)	(D)	(D)
2017	69	1,424	(D)	(D)	31	45	.....	.....
North Carolina:								
2015	78	127	41	7	29	21	.....	.....
North Dakota:								
2017	81	53	(D)	(D)	25	2	.....	.....
Ohio:								
2015	35	50	7	5	23	19	(D)	(D)
2017	41	44	17	4	29	28	.....	.....
Oklahoma:								
2015	44	1,539	(D)	(D)	(D)	(D)	.....	.....
2017	37	1,534	(D)	(D)	6	52	.....	.....
Oregon:								
2015	100	865	(D)	(D)	15	20	(D)	(D)
2017	98	1,525	(D)	(D)	39	53	(D)	(D)
South Dakota:								
2015	86	959	(D)	(D)	32	57	.....	.....
2017	60	542	(D)	(D)	25	22	.....	.....
Texas:								
2015	41	2,528	12	234	11	102	.....	.....
2017	23	607	6	109	17	91	.....	.....
Washington:								
2015	95	1,569	(D)	(D)	44	98	(D)	(D)
2017	99	1,885	(D)	(D)	67	222	(D)	(D)
Durum								
Arizona:								
2017	72	14	.....	.....	(D)	(D)	(D)	(D)
Idaho:								
2017	96	11	(D)	(D)	(D)	(D)	.....	.....
Montana:								
2015	98	678	(D)	(D)	26	12	.....	.....
2017	87	944	.....	.....	11	7	(D)	(D)
North Dakota:								
2015	100	673	(D)	(D)	72	116	.....	.....
2017	100	1,358	(D)	(D)	55	77	(D)	(D)
Other Spring								
Idaho:								
2017	93	211	16	2	45	27	(D)	(D)
Minnesota:								
2015	97	676	41	47	76	241	.....	.....
2017	96	538	37	16	86	199	.....	.....
Montana:								
2015	98	3,197	(D)	(D)	16	38	.....	.....
2017	94	3,603	.....	.....	7	27	.....	.....
North Dakota:								
2015	96	4,288	(D)	(D)	62	597	.....	.....
2017	99	4,467	12	48	57	416	.....	.....
South Dakota:								
2015	90	612	9	5	38	74	.....	.....
2017	89	613	13	3	28	22	.....	.....

(D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years. ² Amount applied excludes biologicals.

Note: Planted acres are in table 1-8.

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Table 14-21.—Wheat: Fertilizer usage, 2015 and 2017 ¹

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur ²	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	Millions	Percent	Millions	Percent	Millions	Percent	Millions
Winter Wheat								
Colorado:								
2015	79	75.3	52	25.5	6	0.9	16	1.6
2017	63	50.2	39	19.6	(D)	(D)	22	2.4
Idaho:								
2015	96	88.2	65	13.5	31	4.9	80	14.4
2017	92	88.2	80	17.6	37	7.2	76	15.3
Illinois:								
2015	90	38.8	72	27.5	58	33.1	10	1.2
2017	92	52.5	86	35.0	70	40.1	14	2.3
Kansas:								
2015	94	518.7	63	174.4	9	33.1	11	4.8
2017	85	466.2	62	137.5	(D)	(D)	18	10.9
Michigan:								
2017	92	47.1	62	13.4	80	23.4	46	4.5
Missouri:								
2015	92	55.4	80	33.4	80	42.5	19	1.6
2017	98	65.4	66	27.2	65	30.6	29	3.2
Montana:								
2015	99	154.4	93	69.5	32	7.9	31	5.6
2017	95	133.4	94	57.1	42	11.6	43	6.7
Nebraska:								
2015	83	65.6	58	30.2	3	0.8	23	3.2
2017	79	46.8	50	18.0	14	1.7	25	2.3
North Dakota:								
2017	87	5	70	2.0	(D)	(D)	(D)	(D)
Ohio:								
2015	88	35.4	74	20.9	70	26.0	22	1.8
2017	97	45.6	81	21.7	82	28.2	39	3.6
Oklahoma:								
2015	94	264.3	65	95.0	12	10.2	5	1.6
2017	92	294.5	53	63.6	12	11.6	(D)	(D)
Oregon:								
2015	97	33.3	15	1.4	13	1.4	60	3.8
2017	96	39.2	39	3.8	9	0.8	36	3.2
South Dakota:								
2015	99	118.2	79	46.3	13	2.2	33	3.3
2017	86	51.0	76	31.3	22	3.9	15	1.6
Texas:								
2015	67	209.2	42	63.4	10	14.7	22	10.7
2017	65	166.8	42	45.5	5	5.7	22	6.0
Washington:								
2015	99	129.6	59	16.6	14	2.2	86	18.3
2017	97	138.3	59	13.1	10	1.4	66	13.5
Durum								
Arizona:								
2017	98	21.4	(D)	(D)	(D)	(D)	(D)	(D)
Idaho:								
2017	96	3.1	(D)	(D)	(D)	(D)	91	0.4
Montana:								
2015	98	39.9	97	16.8	23	1.8	23	1.2
2017	97	64.0	92	23.7	31	4.0	42	3.9
North Dakota:								
2015	99	88.7	94	37.8	36	6.1	35	3.2
2017	100	108.2	95	38.3	29	3.8	33	3.4
Other Spring								
Idaho:								
2017	94	51.5	55	11.7	21	3.4	61	8.2
Minnesota:								
2015	95	147.2	87	49.0	69	34.5	30	4.6
2017	98	134.3	96	52.3	59	25.2	31	4.0
Montana:								
2015	94	158.6	81	55.5	28	11.7	36	7.7
2017	92	145.2	90	68.9	31	8.6	43	9.4
North Dakota:								
2015	99	633.9	95	244.8	41	49.5	30	13.8
2017	99	566.5	92	201.2	32	29.2	34	18.1
South Dakota:								
2015	98	116.6	80	43.4	21	8.2	24	3.2
2017	92	87.1	81	33.6	32	7.4	46	5.7

¹ Data not available for all States for all years.

Note: Planted acres are in table 1-8.

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Table 14-22.—Fruits, Pesticides: Percent of bearing acres receiving applications, for surveyed States, 2017 ¹

Crop	Herbicide	Insecticide	Fungicide	Other
<i>Percent</i>				
Apples	40	87	88	88
Apricots	22	56	63	36
Avocados	46	49	1	55
Blackberries	59	60	68	9
Blueberries	65	87	90	37
Cherries, Sweet	41	88	90	82
Cherries, Tart	41	94	95	87
Dates	17	5	(D)	(D)
Figs	86	41	(D)	(D)
Grapefruit	53	74	69	61
Grapes, All	52	60	48	85
Grapes, Raisin	47	69	89	56
Grapes, Table	58	82	97	88
Grapes, Wine	50	55	82	39
Kiwifruit	37	56	43	68
Lemons	45	79	39	66
Nectarines	63	82	83	79
Olives	28	22	30	8
Oranges	75	92	84	62
Peaches	58	82	84	60
Pears	38	89	90	93
Plums	53	76	60	63
Prunes	56	69	80	40
Raspberries	84	86	89	32
Tangerines	53	75	53	59

(D) Withheld to avoid disclosing data for individual operations. ¹ Refers to acres receiving one or more applications of a specific agricultural chemical.
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Table 14-23.—Fruit, Fertilizers: Percent of acres receiving applications, for surveyed States, 2015 ¹

Crop	Nitrogen	Phosphate	Potash	Sulfur
<i>Percent</i>				
Apples	60	42	48	21
Apricots	78	16	34	29
Avocados	81	58	63	25
Blackberries	54	71	79	26
Blueberries	72	78	81	30
Cherries, Sweet	80	57	59	15
Cherries, Tart	81	30	64	22
Dates	74	83	83	(D)
Figs	72	(D)	39	.....
Grapefruit	95	86	89	35
Grapes, All	77	51	67	24
Grapes, Raisin	64	62	64	8
Grapes, Table	142	28	88	76
Grapes, Wine	75	54	67	25
Kiwifruit	84	58	71	61
Lemons	75	56	73	26
Nectarines	73	63	79	29
Olives	53	28	34	5
Oranges	50	62	70	35
Peaches	79	54	61	11
Pears	66	42	37	33
Plums	74	50	79	48
Prunes	63	9	51	20
Raspberries	71	98	97	13
Tangelos	91	82	95	(D)
Tangerines	89	72	78	41

(D) Withheld to avoid disclosing data for individual operations. ¹ Refers to acres receiving one or more applications of a specific agricultural chemical.
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Table 14-24.—Vegetables, Pesticides: Percent of acres receiving applications, for surveyed States, 2016 ¹

Crop	Herbicide	Insecticide	Fungicide	Other
	<i>Percent</i>			
Asparagus	88	90	53	(D)
Beans, Snap, Fresh	(D)	(D)	(D)	(D)
Beans, Snap, Processed	97	58	49	(D)
Broccoli	46	68	38	(D)
Cabbage, Fresh	(D)	(D)	(D)	(D)
Cantatoupes	54	85	79	23
Carrots, Fresh	77	35	75	(D)
Carrots, Processed	100	100	100	(D)
Cauliflower	47	76	11	3
Celery	42	71	65	2
Sweet Corn, Fresh	(D)	(D)	(D)	(D)
Sweet Corn, Processed	97	71	31	(D)
Cucumbers, Fresh	(D)	(D)	(D)	(D)
Cucumbers, Pickles	(D)	(D)	(D)	(D)
Garlic	89	58	88	3
Honeydews	24	92	87	(D)
Head Lettuce	52	90	76	(D)
Other Lettuce	42	85	71	(D)
Onions, Dry	92	91	88	29
Green Peas, Processed	98	29	14	(D)
Bell Peppers	44	81	84	27
Pumpkins	76	32	69	6
Spinach	41	79	75	38
Squash	51	53	76	13
Strawberries	27	90	96	73
Tomatoes, Fresh	(D)	(D)	(D)	(D)
Tomatoes, Processed	69	79	87	23
Watermelons	52	80	84	20

(D) Withheld to avoid disclosing data for individual operations. ¹ Refers to acres receiving one or more applications of a specific agricultural chemical.

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Table 14-25.—Vegetables, Fertilizers: Percent of acres receiving applications, for surveyed States, 2014 ¹

Crop	Nitrogen	Phosphate	Potash	Sulfur
	<i>Percent</i>			
Asparagus	99	35	69	38
Beans, Snap, Fresh	(D)	(D)	(D)	(D)
Beans, Snap, Proc	88	84	84	58
Broccoli	97	83	45	40
Cabbage, Fresh	97	94	92	44
Cantatoupes	94	82	73	(D)
Carrots, Fresh	(D)	(D)	(D)	(D)
Carrots, Proc	99	77	62	42
Cauliflower	98	87	66	64
Celery	96	91	82	18
Sweet Corn, Fresh	98	87	85	22
Sweet Corn, Proc	88	73	68	49
Cucumbers, Fresh	97	94	96	37
Cucumbers, Pickles	(D)	(D)	(D)	(D)
Eggplant	(D)	(D)	(D)	(D)
Garlic	98	73	9	(D)
Honeydews	(D)	(D)	(D)	(D)
Head Lettuce	97	92	(D)	(D)
Other Lettuce	99	97	(D)	(D)
Onions	98	91	68	51
Green Peas, Proc	78	58	56	40
Bell Peppers	(D)	(D)	(D)	(D)
Potatoes, fall	99	97	90	79
Pumpkins	93	71	89	26
Spinach	95	91	29	(D)
Squash	88	76	81	21
Strawberries	96	94	96	74
Tomatoes, Fresh	(D)	(D)	(D)	(D)
Tomatoes, Proc	98	64	58	13
Watermelons	94	85	94	34

(D) Withheld to avoid disclosing data for individual operations. ¹ Refers to acres receiving one or more applications of a specific agricultural chemical.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

CHAPTER XV

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

Agricultural products, sometimes referred to as food and fiber products, cover a broad range of goods from unprocessed bulk commodities like soybeans, feed corn and wheat to highly-processed, high-value foods and beverages like sausages, bakery goods, ice cream, or beer sold in retail stores and restaurants. All of the products found in Chapters 1-24 (except for fishery products in Chapter 3) of the U.S. Harmonized Tariff Schedule are considered agricultural products. These products generally fall into the following categories: grains, animal feeds, and grain products (like bread and pasta); oilseeds and oilseed products (like canola oil); livestock, poultry and dairy products including live animals, meats, eggs, and feathers; horticultural products including all fresh and processed fruits, vegetables, tree nuts, as well as nursery products and beer and wine; unmanufactured tobacco; and tropical products like sugar, cocoa, and coffee. Certain other products are considered "agricultural," the most significant of which are essential oils (Chapter 33), protein isolates and modified starches (Chapter 35), raw rubber (Chapter 40), raw animal hides and skins (Chapter 41), and wool and cotton (Chapters 51-52). Manufactured products derived from plants or animals, but which are not considered "agricultural" by USDA's definition are cotton yarn, textiles and clothing; leather and leather articles of apparel; and cigarettes and spirits. The World Trade Organization's definition of agricultural products varies in that it includes some products like spirits and tobacco products.

U.S. foreign agricultural trade statistics are based on documents filed by exporters and importers and compiled by the Bureau of the Census. Puerto Rico is a Customs district within the U.S. Customs territory, and its trade with foreign countries is included in U.S. export and import statistics. U.S. export and import statistics include merchandise trade between the U.S. Virgin Islands and foreign countries even though the Virgin Islands of the United States are not officially a part of the U.S. Customs territory.

The export value, the value at the port of exportation, is based on the selling price 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 consumed or further processed.

Agricultural products, like manufactured goods, are often transhipped from the one country to another. Shippers are asked to identify the ultimate destination of a shipment. However, transshipment points are often recorded as the ultimate destination even though the actual point of consumption may be in a neighboring state. Thus, exports to countries which act as transshipment points are generally overstated, while exports to neighboring countries are often understated. Major world transshipment points include the Netherlands, Hong Kong, and Singapore. In such cases, exports are over reported for the Netherlands, but under reported for Germany, Belgium and the United Kingdom. They are overstated to Hong Kong, but under reported to China, and they are overstated to Singapore, but understated to Malaysia and Indonesia.

Imports for consumption are a combination of entries for immediate consumption and withdrawals from bonded 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.

Table 15-1.—Foreign trade: Value of total agricultural exports and imports, United States, fiscal years 2008–2017

Fiscal year Oct. 1- Sep. 30	U.S. total domestic exports			U.S. total imports for consumption, customs value			Surplus agricultural exports over agricultural imports
	Total merchandise exports	Agricultural exports ¹	Agricultural exports share of total exports	Total merchandise imports	Agricultural imports	Agricultural imports share of total imports	
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Percent</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Percent</i>	
2008	1,297,574	114,911	9	2,152,782	79,320	4	35,591
2009	1,058,869	96,296	9	1,594,328	73,404	5	22,892
2010	1,224,652	108,529	9	1,844,486	78,963	4	29,566
2011	1,446,591	137,465	10	2,147,138	94,511	4	42,955
2012	1,534,887	135,907	9	2,272,484	103,371	5	32,536
2013	1,563,016	141,139	9	2,262,244	103,371	5	37,269
2014	1,617,992	152,326	9	2,334,197	109,258	5	43,068
2015	1,546,235	139,761	9	2,289,445	114,235	5	25,526
2016	1,443,819	129,617	9	2,177,838	113,037	5	16,580
2017	1,517,230	140,471	9	2,291,268	119,140	5	21,331

¹Includes food exported for relief or charity by individuals and private agencies.
ERS, Market and Trade Economics Division, (202) 694-5257.

Table 15-2.—Foreign trade: Value and quantity of bulk commodity exports, United States, fiscal years 2008–2017 ¹

Fiscal year	Wheat, unmilled	Rice, milled	Feed grains ²	Oilseeds ³	Tobacco unmanufactured	Cotton and linters	Bulk commodities
	Value						
	<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>
2008	12,332	2,010	15,750	15,580	1,280	4,763	52,005
2009	5,997	2,241	9,982	14,790	1,199	3,561	38,081
2010	5,840	2,296	9,806	17,951	1,223	4,836	42,319
2011	11,504	2,117	13,969	21,571	1,116	8,982	59,494
2012	8,376	1,963	11,719	21,101	1,051	6,551	50,951
2013	10,126	2,212	6,198	22,456	1,193	5,649	48,081
2014	8,260	2,002	12,480	25,758	1,114	4,614	54,355
2015	5,914	2,036	11,057	23,179	1,250	4,146	47,647
2016	5,134	1,839	10,774	21,925	1,042	3,450	44,453
2017	6,198	1,777	10,789	25,487	1,024	5,866	51,436
Quantity							
	<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>
2008	32,847	3,899	68,205	32,148	184	2,970	141,359
2009	22,545	3,388	51,442	35,713	168	2,805	117,189
2010	25,698	4,260	53,849	42,499	185	2,746	130,475
2011	34,583	3,920	49,170	41,365	174	3,113	133,289
2012	26,969	3,578	40,024	39,247	167	2,731	113,752
2013	31,110	3,848	20,460	35,862	165	2,921	95,503
2014	27,091	3,355	56,630	46,050	152	2,202	136,840
2015	21,398	3,971	56,316	51,219	177	2,535	136,805
2016	22,532	3,803	59,119	55,101	156	2,202	144,288
2017	28,034	4,063	61,599	61,116	150	3,298	159,581

¹Fiscal years, Oct. 1–Sept. 30. ²Corn, barley, sorghum, rye, and oats. ³Soybeans, peanuts, rapeseed, cottonseed, sunflowerseed, safflowerseed, and others.
ERS, Market and Trade Economics Division, (202) 694-5257.

Table 15-3.—Agricultural exports: Value to top 50 countries of destination, United States, fiscal years 2015–2017 ¹

Country	2015	2016	2017
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
China	22,612.1	19,167.9	21,950.7
Canada	21,420.5	20,392.9	20,361.8
Mexico	18,005.0	17,616.7	18,624.1
Japan	11,694.5	10,602.6	11,844.4
European Union-28	12,308.7	11,664.4	11,606.6
Korea, South	6,422.3	5,693.3	6,867.5
Hong Kong	3,932.7	3,505.5	4,044.0
Taiwan	3,293.4	3,072.7	3,404.3
Indonesia	2,441.6	2,376.0	2,965.8
Philippines	2,417.4	2,470.3	2,626.8
Vietnam	2,405.8	2,354.4	2,565.6
Colombia	2,583.2	2,257.2	2,555.6
Thailand	1,713.3	1,464.9	1,779.5
Turkey	1,572.7	1,384.6	1,719.5
Saudi Arabia	1,268.8	1,293.2	1,590.1
India	1,108.9	1,244.2	1,505.7
Australia(*)	1,453.1	1,304.3	1,371.5
Dominican Republic	1,179.2	1,109.3	1,233.1
Peru	1,246.6	1,138.1	1,188.0
Guatemala	1,113.0	1,078.6	1,085.9
United Arab Emirates	1,318.8	1,132.2	1,072.5
Chile	801.8	826.8	950.4
Bangladesh	412.7	561.4	911.1
Malaysia	861.9	797.9	903.6
Pakistan	453.8	531.3	845.2
Singapore	724.0	675.1	825.3
Egypt	1,092.5	744.3	775.6
Brazil	778.3	801.6	726.3
Costa Rica	679.4	654.8	705.0
Panama	652.8	646.2	666.1
Honduras	577.4	638.4	598.8
Israel(*)	512.4	531.0	530.4
Nigeria	684.1	397.4	501.2
El Salvador	525.0	508.2	494.0
Morocco	323.1	312.9	486.1
Switzerland(*)	482.3	449.8	454.8
Venezuela	896.6	652.6	441.1
Haiti	352.9	351.2	389.3
New Zealand(*)	441.4	357.1	379.2
Jamaica	369.3	377.9	376.2
South Africa	212.5	291.5	370.7
Trinidad and Tobago	382.4	360.7	331.4
Jordan	227.3	242.1	295.9
Algeria	157.9	239.5	273.6
Ecuador	382.1	311.6	271.3
Cuba	175.4	180.6	262.8
Bahamas, The	253.8	243.7	255.7
Kuwait	227.9	214.8	222.1
Netherlands Antilles(*)	204.1	213.4	219.0
Nicaragua	230.4	211.6	218.7
Other Countries	4,173.3	3,968.1	3,826.6
World Total ²	139,760.6	129,616.7	140,470.7

¹Fiscal years Oct. 1–Sept. 30. ²Totals may not add due to rounding.
ERS, Market and Trade Economics Division, (202) 694–5257.

Table 15-4.—Foreign trade in agricultural products: Value of exports by principal commodity groups, United States, fiscal years 2014–2017¹

Commodity	2014	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total Merchandise Exports	1,617,992,175	1,546,234,948	1,443,819,241	1,517,229,568
Nonagricultural U.S. Exports (Na)	1,465,665,820	1,406,474,358	1,314,202,501	1,376,758,904
Total Agricultural exports	152,326,355	139,760,590	129,616,740	140,470,664
Animals and animal products	32,965,837	28,510,992	24,917,631	28,267,402
Animals, live	660,263	517,004	457,565	543,188
Cattle	194,642	108,568	67,762	158,402
Horses,mules,burros-live	441,663	385,936	372,177	362,080
Swine, live	17,899	17,259	13,709	18,935
Sheep, live	4,930	3,624	2,280	2,551
Other live Animals	1,129	1,618	1,637	1,221
Red meat and products	14,055,350	13,076,784	12,265,824	14,158,076
Beef and Veal	6,038,125	5,849,503	5,197,469	6,175,372
Beef and Veal, fresh/frozen	5,760,092	5,556,825	4,967,378	5,962,257
Beef prep/pres	278,033	292,678	230,091	213,115
Horsemeat, fresh/frozen	60	3	204	806
Lamb and Goat, fr/frozen	17,322	12,202	11,525	14,852
Pork	5,751,064	4,975,735	4,737,195	5,227,176
Pork, fresh/frozen	4,997,616	4,226,602	3,992,852	4,477,801
Pork, prep/pres	753,448	749,133	744,343	749,375
Variety meats	1,595,205	1,599,321	1,660,243	1,885,019
Beef variety meats	784,852	878,909	897,749	896,719
Pork variety meats	745,729	653,463	689,227	906,017
Other variety meats	64,624	66,950	73,267	82,282
Other meats, fresh/frozen	653,574	640,019	659,188	854,851
Poultry and products	6,407,549	5,479,685	4,550,835	4,899,489
Poultry, live	211,355	175,244	165,604	196,113
Baby chicks	196,389	162,478	148,858	178,970
Other live poultry	14,966	12,766	16,745	17,143
Poultry meats	5,045,790	4,258,219	3,595,787	3,837,505
Chickens, fresh/frozen	3,857,247	3,143,071	2,587,301	2,780,519
Turkeys, fresh/frozen	634,029	521,586	437,249	429,209
Other poultry, fresh/frozen	5,103	7,525	4,920	6,151
Poultry meats, prep	549,411	586,037	566,317	621,626
Poultry, misc	524,926	385,074	235,934	313,114
Eggs	625,478	661,149	553,510	552,757
Dairy products	7,498,185	5,654,736	4,625,274	5,403,615
Evaporated/condensed milk	67,067	41,562	35,198	33,948
Nonfat dry milk	2,435,437	1,549,007	1,184,303	1,372,044
Butter and milkfat	309,429	80,254	48,924	103,701
Cheese	1,702,148	1,447,076	1,174,679	1,416,011
Whey,fluid/dried	1,045,922	744,391	548,469	696,414
Other dairy products	1,938,182	1,792,446	1,633,701	1,781,497
Fats, oils, and greases	671,228	478,352	489,558	605,226
Lard	60,312	51,533	55,835	98,516
Tallow, inedible	372,758	242,136	206,771	256,227
Other animal fats	238,158	184,683	226,952	250,483
Hides and skins	2,989,280	2,625,654	1,887,730	1,932,121
Bovine hides, whole	1,435,026	1,338,812	1,018,548	1,128,956
Other cattle hides	53,050	10,051	12,945	18,177
Calf skins, whole	98,323	60,999	47,385	102,787
Horse hides, whole	404,756	328,179	80,186	23,742
Sheep and lamb skins	21,011	14,389	14,100	15,106
Other hides and Skin	478,489	381,902	421,596	428,474
Furskins	498,624	491,322	292,969	214,880
Mink pelts	418,697	454,158	272,258	199,224
Other furskins	79,926	37,164	20,712	15,656
Wool and mohair	21,811	22,111	18,459	23,191
Sausage casings	241,401	242,230	245,525	278,592
Bull semen	157,350	164,628	160,576	162,539
Miscellaneous animal products	263,420	249,808	216,285	261,364
Grains and feeds	36,678,121	31,980,371	29,812,283	30,541,040
Wheat,unmilled	8,260,238	5,913,809	5,134,299	6,198,443
Wheat flour	133,046	154,665	171,612	161,191
Other wheat products	186,796	195,253	153,565	133,531
Rice-paddy, milled	2,001,825	2,035,957	1,838,559	1,776,937
Feed grains and products	12,996,140	11,534,618	11,231,110	11,277,204
Feed grain	12,480,434	11,056,967	10,774,029	10,788,948
Barley	87,072	68,494	40,168	31,224
Corn	11,083,800	8,797,355	9,140,164	9,658,851
Grain sorghum	1,296,939	2,183,324	1,580,421	1,086,659
Oats	6,595	4,566	7,248	8,747
Rye	6,028	3,228	6,027	3,466
Feed grain products	515,707	477,650	457,081	488,256

See footnote(s) at end of table.

Table 15-4.—Foreign trade in agricultural products: Value of exports by principal commodity groups, United States, fiscal years 2014–2017¹—Continued

Commodity	2014	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Grains and feeds—Continued				
Popcorn	119,597	119,418	95,115	120,666
Blended food products	60,014	60,375	50,173	57,314
Other grain products	3,893,364	3,842,679	3,670,182	3,597,741
Feeds and fodders	9,027,101	8,123,598	7,467,668	7,218,013
Corn by-products	921,329	729,183	624,845	626,942
Alfalfa meal and cubes	63,586	63,716	73,571	65,666
Beef pulp	114,381	105,044	97,747	93,818
Citrus pulp pellets	19,938	3,468	1,056	26
Other feeds and fodders	7,907,867	7,222,186	6,670,449	6,431,562
Fruit and prep	6,753,824	6,537,619	6,140,859	6,303,145
Fruits, fresh	4,998,336	4,778,567	4,492,666	4,672,054
Citrus fruits	973,938	981,998	983,917	998,849
Grapefruit	125,396	121,652	106,192	94,329
Lemons and limes	219,310	214,686	180,105	186,884
Oranges and tangerines	621,260	626,805	679,593	706,053
Other citrus	7,972	18,855	18,026	11,582
Noncitrus Fruits	4,024,399	3,796,569	3,508,749	3,673,205
Apples	1,052,293	1,094,508	894,165	957,380
Berries	751,386	711,261	678,613	674,277
Cherries	470,149	431,269	476,386	657,894
Grapes	949,583	825,889	765,252	748,081
Melons	163,099	151,182	153,563	159,057
Peaches	167,191	160,759	140,168	118,434
Pears	224,422	199,433	176,004	144,731
Plums	67,104	58,006	59,117	59,244
Other noncitrus	179,172	164,261	165,481	154,107
Fruits, dried	711,890	653,819	577,175	544,142
Raisin	432,625	342,718	321,686	304,755
Prunes	172,651	186,235	165,000	142,838
Other dried fruits	106,614	124,866	90,489	96,549
Fruits, canned	583,367	657,273	606,098	640,571
Fruits, frozen	158,842	129,205	135,438	123,862
Other fruits, prep	301,388	318,755	329,483	322,517
Fruits, juices	1,252,851	1,105,534	1,095,856	983,385
Apple juice	40,351	45,769	46,510	49,797
Grape juice	85,083	71,468	68,295	69,497
Grapefruit juice	46,952	40,782	36,797	36,307
Orange juice	465,770	388,810	382,741	337,940
Other fruit juices	614,697	558,704	561,513	489,845
Wine	1,447,094	1,524,058	1,528,793	1,416,600
Nuts and prep	8,645,138	9,454,845	8,234,402	8,755,994
Almonds	4,553,459	5,112,837	4,645,463	4,199,317
Filberts	113,445	114,335	74,184	94,873
Peanuts	513,346	543,439	595,962	548,801
Pistachios	1,236,325	1,066,101	775,538	1,512,370
Walnuts	1,421,828	1,653,175	1,250,930	1,371,531
Pecans	372,657	503,545	465,097	617,845
Other nuts	434,077	461,412	427,228	411,256
Vegetables and prep	7,029,028	6,936,242	7,148,232	7,326,210
Vegetables fresh	2,404,821	2,396,169	2,479,996	2,499,467
Asparagus	30,417	22,610	48,250	62,272
Broccoli	135,234	123,610	117,210	103,244
Carrots	116,156	111,339	111,209	110,464
Cabbage	35,583	37,191	48,456	59,199
Celery	81,309	83,532	96,756	87,232
Cauliflower	142,525	132,701	135,057	147,108
Corn sweet	46,327	43,855	46,772	49,847
Cucumbers	16,421	17,202	14,493	15,868
Garlic	15,958	14,514	14,949	17,066
Lettuce	473,157	502,520	488,795	499,192
Mushrooms	33,728	30,897	26,848	25,304
Onions and shallots	205,957	166,534	196,627	169,580
Peppers	91,828	82,702	79,941	77,338
Potatoes	201,900	185,347	202,455	231,869
Tomatoes	165,672	145,996	122,999	113,056
Other fresh vegetables	612,648	695,619	729,180	730,828
Vegetables, frozen	1,435,378	1,344,076	1,482,318	1,536,767
Corn, sweet	93,353	98,775	107,487	112,994
Potatoes	1,131,183	1,030,075	1,137,669	1,167,931
Other frozen vegetables	210,842	215,226	237,163	255,842
Vegetables, canned	765,407	731,848	633,631	587,962
Pulses	797,947	698,461	776,779	870,869
Dried Beans	359,406	321,625	298,078	311,673
Dried Peas	252,458	197,783	255,952	194,980
Dried Lentils	141,278	147,097	173,308	253,372
Dried chickpeas	44,804	31,957	49,441	110,843
Other vegetables, prep/pres	1,625,476	1,765,688	1,775,508	1,831,145

See footnote(s) at end of table.

Table 15-4.—Foreign trade in agricultural products: Value of exports by principal commodity groups, United States, fiscal years 2014–2017¹—Continued

Commodity	2014	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Oilseeds and products	34,903,011	31,541,025	29,194,541	32,648,204
Oilcake and meal	5,827,071	5,309,655	4,226,373	3,942,279
Bran and residues	19,164	16,281	12,558	13,384
Corn oilcake and meal	47,558	30,700	3,033	928
Soybean meal	5,703,891	5,226,921	4,155,428	3,882,551
Other oilcake and meal	56,459	35,753	55,354	45,416
Oilseeds	25,757,921	23,179,005	21,924,851	25,486,931
Rapeseed	110,359	107,133	106,103	98,644
Safflower seeds	1,438	1,032	981	826
Soybeans	24,103,715	21,623,701	20,428,360	23,976,860
Sunflowerseeds	138,988	119,873	101,451	78,564
Peanuts, oilstock	174,443	120,392	213,436	128,487
Other oilseeds	113,385	112,852	82,948	141,145
Protein substances	1,115,594	1,094,021	991,571	1,062,404
Vegetable oils	3,318,019	3,052,365	3,043,318	3,218,994
Soybean oil	812,251	772,997	842,844	953,643
Cottonseed oil	41,029	35,644	21,495	32,716
Sunflower oil	57,570	41,772	51,367	42,119
Corn oil	464,858	391,447	430,201	470,296
Peanut oil	10,407	14,950	11,611	12,020
Rapeseed oil	123,307	95,483	94,429	110,165
Safflower oil	19,799	29,735	26,555	17,632
Other vegetable oils/waxes	1,788,799	1,670,338	1,564,816	1,580,402
Tobacco, unmfng	1,113,661	1,250,303	1,042,425	1,024,354
Tobacco, light air	210,593	239,592	160,616	144,805
Tobacco, flue	685,739	745,158	671,652	647,436
Other tobacco, unmfng	217,329	265,553	210,156	232,113
Cotton, excluding linters	4,598,451	4,132,816	3,442,834	5,849,860
Cotton linters	15,464	12,701	7,475	16,604
Essential oils	1,711,091	1,811,359	1,834,224	1,968,965
Seeds, field and garden	1,688,178	1,538,150	1,574,209	1,714,284
Sugar and tropical products	5,268,251	5,080,931	5,032,867	4,911,632
Sugar and related products	1,857,771	1,769,962	1,733,150	1,673,650
Sugar, cane or beet	151,244	93,872	73,142	65,758
Related sugar products	1,706,527	1,676,090	1,660,009	1,607,892
Coffee	959,765	914,023	936,550	865,522
Cocoa	218,252	216,217	235,772	208,717
Chocolate and prep	1,558,246	1,550,002	1,512,446	1,548,488
Tea, including herbal	424,100	375,696	381,856	363,653
Spices	175,054	189,142	184,499	189,196
Rubber, crude	71,635	61,870	45,130	57,146
Fibers, excluding cotton	3,428	4,018	3,463	5,259
Other hort products	5,999,435	5,989,039	6,277,596	6,377,671
Hops, including extract	204,794	223,219	243,603	275,029
Starches, not wheat/corn	141,617	148,691	137,038	133,174
Yeasts	100,095	98,126	92,580	102,984
Misc hort products	5,552,929	5,519,003	5,804,374	5,866,484
Nursery & greenhouse	399,204	398,038	401,855	416,382
Beverages, excluding juice	1,857,715	1,956,567	1,930,656	1,948,930

¹ Fiscal years, Oct. 1–Sept. 30. Totals may not add due to rounding.
ERS, Market and Trade Economics Division, (202) 694–5257.
Compiled from reports of the U.S. Department of Commerce.

Table 15-5.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 2014–2017¹

Product	2014	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total merchandise imports	2,334,196,984	2,289,444,956	2,177,838,027	2,291,268,366
Non-agricultural U.S. imports	2,224,938,526	2,175,209,874	2,064,801,255	2,172,128,591
Total agricultural imports	109,258,458	114,235,082	113,036,772	119,139,775
Animals & prods.	16,159,989	19,552,590	16,594,094	15,781,835
Animals - live, excluding poultry	2,909,956	3,477,351	2,634,366	2,496,881
Cattle and calves	2,128,140	2,641,307	1,688,945	1,487,563
Horses, mules, burros	333,505	406,371	548,568	629,482
Swine	410,098	369,828	334,417	324,905
Sheep, Live	482	212	1,224	499
Other live animals	37,731	59,633	61,212	54,431
Red meat & products	7,488,181	10,069,144	8,239,663	8,167,015
Beef & veal	4,727,055	7,203,200	5,371,864	5,117,260
Beef & veal - fresh or frozen	4,407,107	6,775,861	4,997,235	4,743,772
Beef & veal - prep. or pres.	319,948	427,338	374,629	373,487
Pork	1,658,019	1,668,243	1,657,934	1,705,378
Pork - fr. or froz.	1,346,306	1,350,379	1,335,882	1,375,970
Pork - prep. or pres.	311,714	317,864	322,052	329,408
Mutton, goat & lamb	726,861	765,147	775,142	924,113
Horsemeat - fr. or froz.	1,799	2,173	1,875	1,872
Variety meats - fr. or froz.	262,627	305,178	300,625	260,206
Other meats - fr. or froz.	45,471	48,847	45,336	54,567
Other meats & prods.	66,348	76,355	86,888	103,620
Poultry and prods.	700,067	810,912	863,321	744,952
Poultry - live	42,887	44,915	50,020	49,383
Poultry meat	377,147	467,868	527,524	470,459
Eggs	57,216	111,736	169,880	86,085
Poultry, misc.	222,817	186,394	115,897	139,026
Dairy products	3,442,395	3,599,504	3,395,207	2,931,993
Milk & cream, fresh or dried	110,054	112,480	105,038	105,415
Butter & butterfat mixtures	67,670	154,896	185,823	187,565
Cheese	1,230,484	1,314,099	1,274,612	1,167,523
Casein & mixtures	702,819	675,189	529,484	513,691
Other dairy prods.	1,331,368	1,342,840	1,300,250	957,800
Fats, oils, & greases	181,336	178,954	184,127	225,083
Hides & skins	293,245	255,344	177,606	101,928
Sheep & lamb skins	867	390	357	443
Other hides & skins	58,271	57,057	41,486	31,717
Furskins	234,107	197,897	135,763	69,768
Wool - unmfng.	21,718	21,334	17,726	15,283
Apparel grade wool	11,844	11,499	8,904	6,970
Carpet grade wool	9,874	9,834	8,822	8,312
Sausage casings	192,720	208,941	182,695	193,893
Bull semen	41,741	39,206	43,400	42,404
Misc. animal prods.	888,238	891,660	855,734	862,232
Silk, raw	392	239	249	171
Grains & feeds	11,012,266	11,101,456	11,081,863	11,711,235
Wheat, ex. seed	1,085,280	774,420	511,095	592,643
Corn, unmilled	150,545	227,223	371,116	287,721
Oats, unmilled	516,782	442,779	318,223	318,420
Barley, unmilled	151,536	121,875	100,794	53,922
Rice	772,255	744,299	666,839	638,509
Biscuits & wafers	3,104,502	3,408,778	3,823,944	4,262,425
Pasta & noodles	614,904	618,153	593,327	569,432
Other grains & preps.	2,895,187	3,013,014	3,003,037	3,256,988
Feeds & fodders, excluding oilcake	1,721,276	1,750,916	1,693,489	1,731,175
Fruits & preps.	12,586,866	13,743,764	14,869,081	16,214,353
Fruits - fr. or froz.	10,130,525	11,051,182	12,058,825	13,358,019
Apples, fresh	237,196	211,044	264,701	237,492
Avocados	1,480,955	1,626,106	1,717,897	2,605,124
Berries, excl. strawberries	1,415,920	1,733,779	1,986,251	2,065,976
Bananas & plantains - fresh or frozen	2,185,461	2,238,481	2,271,361	2,297,379
Citrus, fresh	782,157	821,272	955,802	1,059,702
Grapes, fresh	1,195,207	1,291,933	1,449,269	1,618,390
Kiwifruit, fresh	100,522	117,998	127,963	121,528
Mangoes	468,569	525,461	545,951	544,266
Melons	560,575	611,680	691,252	664,422
Peaches	40,388	65,753	76,867	69,553
Pears	119,468	134,854	111,145	116,251
Pineapples - fr. or froz.	655,188	644,879	663,304	682,715
Plums	30,259	49,893	53,915	43,783
Strawberries - fr. or froz.	503,926	580,620	725,172	800,010
Other fruits - fr. or froz.	354,734	397,430	417,978	431,426
Fruits - prep. or pres.	2,456,342	2,692,582	2,810,256	2,856,334
Bananas & plantains - prep. or pres.	125,107	136,767	143,426	146,988
Pineapples - canned or prep.	303,838	378,972	389,835	355,187
Other fruits - prep. or pres.	2,027,397	2,176,843	2,276,994	2,354,159
Fruit juices	1,839,956	1,838,631	1,760,632	1,937,686
Apple juice	597,027	500,987	476,474	439,308
Grape juice	129,266	80,206	73,390	64,472
Grapefruit juice	652	736	1,293	4,777
Lemon juice	90,043	127,333	114,142	124,725
Lime juice	28,870	27,013	30,173	33,381
Orange juice	587,723	617,729	556,712	774,311
Pineapple juice	113,823	127,480	118,602	110,344
Other fruit juice	292,551	357,148	389,847	386,369

See footnote(s) at end of table.

Table 15-5.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 2014–2017 ¹—Continued

Product	2014	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Nuts & preps	2,192,749	2,699,507	2,724,839	3,329,346
Brazil nuts	60,683	74,463	72,549	72,164
Cashew nuts	986,209	1,224,411	1,234,762	1,688,609
Chestnuts	13,733	12,997	15,789	14,697
Coconut meat	196,118	251,260	220,925	237,406
Filberts	53,090	40,039	34,799	41,679
Macadamia nuts	116,480	151,546	140,624	147,263
Pecans	298,087	390,564	484,073	634,763
Pistachio nuts	6,074	10,558	10,803	12,687
Other nuts	462,275	543,670	510,515	480,077
Vegetables & preps	11,463,255	11,855,875	13,158,733	13,280,273
Vegetables, fresh	6,662,936	6,910,348	8,009,387	7,698,402
Tomatoes	1,938,697	1,953,924	2,221,354	2,074,266
Asparagus	497,845	551,115	609,777	696,151
Beans	96,076	104,924	121,866	116,220
Cabbage	33,868	36,798	47,581	40,731
Carrots	74,899	88,205	94,992	85,780
Cauliflower & broccoli, fresh	176,838	216,176	267,797	294,349
Celery	22,612	26,297	26,576	35,416
Cucumbers	628,890	613,887	704,485	657,429
Eggplant	58,930	60,383	68,154	60,366
Endive	4,648	3,880	3,978	3,843
Garlic	127,358	160,414	205,430	223,224
Lettuce	202,486	245,074	276,629	280,830
Okra	27,099	25,002	25,721	29,511
Onions	354,319	402,509	469,759	412,712
Peas	72,164	74,435	74,879	73,099
Peppers	1,274,270	1,209,770	1,451,460	1,306,054
Potatoes	173,785	147,724	186,635	214,892
Radishes	19,269	21,199	21,185	23,436
Squash	303,497	326,282	383,247	324,763
Other fresh vegetables	575,385	642,349	747,883	745,331
Vegetables - prep. or pres.	2,816,558	2,954,688	3,029,855	3,313,317
Bamboo shoots, preserved	28,132	26,801	26,263	27,520
Cucumbers, preserved	43,155	57,977	57,176	58,097
Garlic, dried	63,219	65,039	75,892	114,615
Olives - prep. or pres.	428,775	411,584	415,202	424,257
Mushrooms, canned	110,670	110,223	109,136	106,688
Mushrooms, dried	32,683	34,526	28,285	28,533
Onions, preserved	38,851	44,249	48,921	52,644
Artichokes - prep.	137,841	137,560	138,255	159,716
Asparagus - prep.	24,450	14,665	20,962	19,137
Tomatoes, incl. paste & sauce	180,822	193,052	204,835	211,825
Waterchestnuts	30,857	32,831	21,440	28,136
Peppers & pimentos, prep.	95,211	103,783	110,096	98,392
Veg Starches, excluding wheat & corn	147,075	166,467	171,950	174,268
Soups & sauces	396,921	433,330	464,544	493,256
Other vegetables - prep. or pres.	1,057,897	1,122,601	1,136,898	1,316,233
Vegetables, frozen	1,719,917	1,728,429	1,867,974	2,001,811
Tomatoes	6,395	5,059	7,109	6,680
Asparagus	15,667	10,439	16,021	14,849
Beans	78,251	71,640	69,359	75,311
Carrots	4,839	4,977	7,796	10,230
Cauliflower & broccoli	321,328	342,645	356,639	356,904
Okra	10,184	15,081	16,494	12,757
Peas	42,499	41,012	40,940	39,393
Potatoes	758,328	729,827	772,098	844,697
Other frozen vegetables	482,427	507,751	581,520	640,991
Pulses	263,844	262,409	251,517	266,743
Dried peas	66,871	48,511	44,816	44,870
Dried beans	140,979	160,376	143,666	145,682
Dried lentils	30,996	28,891	28,147	33,614
Dried chickpeas	24,998	24,631	34,889	42,576
Sugar & related prods.	4,471,095	4,633,936	4,477,667	4,624,781
Sugar - cane & beet	1,645,062	1,756,315	1,660,994	1,703,065
Molasses	144,233	153,125	161,512	120,003
Confectionery prods.	1,653,670	1,634,391	1,727,637	1,765,016
Other sugar & related prods.	1,028,131	1,090,106	927,524	1,036,697
Cocoa & products	4,742,280	4,750,450	4,939,191	5,238,444
Coffee & products	6,015,172	6,400,269	5,933,934	6,617,625
Tea	695,617	734,605	750,157	718,381
Spices & herbs	1,581,684	1,808,641	1,859,476	1,980,827
Pepper	816,223	977,738	991,728	788,940
Other spices & herbs	765,461	830,902	867,747	1,191,887

See footnote(s) at end of table.

Table 15-5.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 2014–2017 ¹—Continued

Product	2014	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Drugs, crude & natural	1,638,374	1,702,778	1,809,405	1,836,017
Essential oils	2,585,617	2,711,483	2,626,640	3,056,647
Fibers, excl. cotton	89,405	110,142	127,833	126,323
Rubber & gums	2,138,416	1,574,684	1,306,736	1,700,137
Tobacco - unmfng.	889,594	783,586	793,396	673,128
Tobacco - filler	855,269	757,951	763,423	651,122
Tobacco - scrap	22,892	16,558	10,770	7,957
Other tobacco	11,434	9,077	19,202	14,048
Beverages, ex. fruit juice	12,372,359	13,093,885	13,958,659	14,392,158
Wine	5,437,166	5,429,441	5,526,809	5,967,996
Malt beverages	4,107,639	4,381,477	4,831,746	4,989,999
Other beverages	2,827,555	3,282,968	3,600,105	3,434,163
Oilseeds & products	9,637,686	8,506,466	8,225,270	9,075,566
Oilseeds & oilnuts	1,983,428	1,121,474	827,111	828,079
Flaxseed	126,607	116,413	68,950	64,518
Rapeseed	468,438	256,683	186,652	243,505
Soybeans	1,097,997	491,670	361,446	332,348
Sunflower seeds	46,636	54,236	45,170	47,280
Other oilseeds & oilnuts	243,750	202,471	164,892	140,428
Oils & waxes - vegetable	6,091,774	6,092,842	6,152,970	7,086,966
Castor oil	80,634	87,130	69,675	80,365
Coconut oil	734,355	865,613	774,419	880,826
Cottonseed oil	13,498	6,737	2,508	30
Olive oil	1,137,708	1,181,410	1,323,412	1,387,943
Palm oil	1,029,905	841,665	828,862	1,024,320
Palm kernel oil	312,751	332,007	351,795	477,119
Peanut oil	27,752	17,261	29,633	37,851
Rapeseed oil	1,596,365	1,488,966	1,516,264	1,794,471
Soybean oil	79,066	97,405	99,425	119,168
Sesame oil	70,008	80,719	76,695	82,912
Other vegetable oils	1,009,730	1,093,930	1,080,283	1,201,959
Oilcake & meal	1,562,485	1,292,150	1,245,189	1,160,521
Cotton, excl. linters	9,143	5,103	11,226	3,492
Cotton, linters	488	489	1,868	4
Seeds - field & garden	1,380,349	988,007	1,003,790	1,035,147
Cut flowers	1,013,966	1,025,669	1,103,016	1,171,082
Nursery stock, bulbs, etc.	705,108	714,154	719,674	761,449
Other hort products	4,037,021	3,898,912	3,199,591	3,873,837
Hops, including extract	44,007	51,532	58,478	60,815
Starches, ex wheat/corn	117,403	114,381	126,399	136,304
Yeasts	292,725	299,196	300,287	306,847
Misc horticultural products	3,582,887	3,433,802	2,714,426	3,369,871

¹Fiscal years, Oct. 1–Sept. 30.
ERS, Market and Trade Economics Division, (202) 694–5257. Compiled from reports of the U.S. Department of Commerce.

Table 15-6.—Agricultural exports: Value of U.S. exports to the top market, China, by commodity, fiscal years 2015–2017¹

Commodity	Value		
	2015	2016	2017
	1,000 dollars	1,000 dollars	1,000 dollars
Total agricultural exports	22,612,109	19,167,934	21,950,685
Animals and animal products	2,624,087	2,146,150	2,369,380
Animals Live, ex. Poultry	4,564	593	5,803
Cattle, live	-	6	97
Horses, live	2,085	355	228
Swine, Live	2,479	232	5,459
Other live animals	-	-	19
Red meat and Products	353,731	558,696	564,714
Beef and Veal	3	-	12,457
Beef and Veal, fresh or frozen	3	-	12,444
Beef, prep or pres	-	-	14
Lamb, goat, fr-ch-froz	-	-	3
Pork	169,795	310,448	239,042
Pork-fresh or frozen	169,729	308,973	238,590
Pork-prep or pres	67	1,475	453
Variety meats, Ed Offals	141,276	207,125	274,986
Beef variety meats	-	-	102
Pork variety meats	139,868	204,126	274,441
Other variety meats	1,408	3,000	443
Other meats-fr or froz	42,657	41,123	38,225
Poultry and poultry products	169,250	53,224	47,317
Poultry-Live	14,899	-	-
Baby chicks	14,887	-	-
Other live poultry	12	-	-
Poultry meats	97,037	40,054	31,218
Chickens, fresh or frozen	53,229	5,935	168
Turkeys, fresh or frozen	16,563	117	-
Other poultry, fresh or frozen	-	-	351
Poultry meats, prep or pres.	27,245	34,002	30,698
Poultry misc.	55,744	12,298	13,916
Eggs	1,569	871	2,183
Dairy prods	487,619	357,380	550,036
Evap and condensed milk	5,041	2,062	2,288
Nonfat dry milk	73,348	43,173	87,172
Butter and Milkfat	170	1,280	66
Cheese	52,307	43,081	54,689
Whey, fluid or dried	174,217	149,463	244,528
Other dairy products	182,536	118,321	161,293
Fats, oils and greases	2,676	5,159	4,147
Lard	1,873	3,780	2,858
Other animal fats	803	1,379	1,288
Hides and skins include furs	1,396,432	936,104	962,098
Bovine hides, whole	891,094	638,786	678,668
Other cattle hides, pieces	2,705	1,590	3,572
Calf skins, whole	28,482	25,742	55,546
Horse hides whole	207,190	37,948	10,909
Sheep and lamb skins	11,393	13,190	13,211
Other hides and skins, ex. furs	127,517	164,690	155,204
Furskins	128,051	54,158	44,989
Mink pelts	123,491	51,360	40,622
Other furskins	4,560	2,799	4,366
Wool and Mohair	10,800	7,370	11,856
Sausage casings	131,915	154,463	167,376
Bull semen	18,016	22,982	13,649
Misc animal products-other	49,084	50,180	42,385
Grains and feeds	4,625,573	3,022,046	2,239,194
Wheat, unmilled	145,285	197,741	372,857
Wheat flour	547	435	893
Other wheat products	1,098	1,095	1,848
Rice-paddy,milled parb	-	4	894
Feed grains and products	2,241,833	1,352,106	1,017,740
Feed grains	2,235,910	1,347,990	1,014,772
Corn	176,837	69,404	142,706
Grain sorghums	2,059,069	1,278,582	872,035
Oats	4	4	32
Rye	-	-	2,968
Feed grain products	5,923	4,116	10,215
Popcorn	24,016	12,338	188
Blended food products	926	451	92,977
Other grain prods	93,520	94,613	741,582
Feeds and fodders, ex. oilcakes	2,118,348	1,363,263	386
Corn by-products	1,081	263	9,648
Alfalfa meal and cubes	21,660	29,102	5,613
Citrus pulp pellet	-	-	-
Other feeds and fodder	2,095,607	1,333,898	725,935

See footnote(s) at end of table.

Table 15-6.—Agricultural exports: Value of U.S. exports to the top market, China, by commodity, fiscal years 2015–2017¹—Continued

Commodity	Value		
	2015	2016	2017
	1,000 dollars	1,000 dollars	1,000 dollars
Fruits and prep. excluding juice	237,049	263,589	362,419
Fruits, fresh	144,643	170,767	232,148
Citrus fruits	29,401	43,088	54,920
Grapefruit	541	717	565
Lemons and limes	6,734	4,212	1,309
Oranges and tangerines	21,607	37,405	52,573
Other citrus fruits	520	755	473
Noncitrus fruits	115,241	127,678	177,228
Apple	21,232	17,014	21,339
Berries	96	123	484
Cherries	65,583	73,546	122,702
Grapes	20,240	22,301	20,683
Peaches	101	180	56
Pears	4,812	3,062	1,224
Plums	2,944	11,374	5,243
Other noncitrus	233	79	5,497
Fruits, dried	38,929	34,542	31,297
Raisins	25,213	25,549	19,472
Prunes	2,269	3,098	2,826
Other dried fruits	11,447	5,896	8,999
Fruits-canned, excluding juice	45,734	47,760	80,016
Fruits-frozen, excluding juice	1,441	1,717	3,310
Other fruits, prep. or pres	6,302	8,803	15,648
Fruit juices, including frozen	32,980	14,634	13,170
Apple juice	356	134	458
Grape juice	2,137	1,770	2,447
Grapefruit juice	2,390	1,360	1,385
Orange juice	3,769	1,396	1,122
Other fruit juices	24,329	9,975	7,757
Wine	61,946	72,639	72,148
Nuts and prep	229,384	238,817	207,039
Almonds	88,107	80,354	67,086
Filberts	1,620	752	290
Peanuts, shelled or prep	3,420	45,714	24,959
Pistachios	32,547	26,276	39,089
Walnuts	81,717	41,659	28,296
Pecans	7,822	15,983	22,072
Other nuts	14,150	28,080	25,248
Vegetables and prep	174,872	199,498	160,849
Vegetables, fresh	3,740	2,771	1,391
Carrots	-	94	8
Celery	320	14	-
Cauliflower	-	4	-
Corn, sweet	349	122	75
Garlic	-	179	143
Onion and Shallots	69	27	-
Peppers	208	182	110
Potatoes	151	304	381
Tomatoes	953	719	576
Other fresh vegetables	1,690	1,125	97
Vegetables, frozen	111,412	140,838	105,520
Corn, sweet	11,511	11,151	14,116
Potatoes	97,566	128,013	88,707
Other frozen vegetables	2,335	1,675	2,697
Vegetables, canned	2,280	2,066	7,232
Pulses	30,210	29,249	26,440
Dried beans	969	428	936
Dried peas	28,539	28,166	24,433
Dried lentils	702	470	983
Dried chick peas	-	184	88
Other vegetables, prep or pres	27,230	24,573	20,266

See footnote(s) at end of table.

Table 15-6.—Agricultural exports: Value of U.S. exports to the top market, China, by commodity, fiscal years 2015–2017¹—Continued

Commodity	Value		
	2015	2016	2017
	1,000 dollars	1,000 dollars	1,000 dollars
Oilseeds and products	12,861,191	12,092,820	14,858,612
Oilcake and meal	34,470	6,507	7,183
Corn oilcake and meal	21,638	66	-
Soybean meal	12,816	6,429	7,125
Other oilcake and meal	16	12	58
Oilseeds	12,776,429	11,993,850	14,708,387
Rapeseed	329	-	-
Soybeans	12,738,862	11,859,257	14,652,732
Sunflowerseeds	1,010	100	74
Peanuts, including oilstock	14,037	112,473	32,216
Other oilseeds	1,390	2,315	6,336
Protein substances	20,802	19,705	17,029
Vegetable oils	50,292	92,463	143,042
Soybean oil	88	43,846	97,405
Sunflower oil	164	326	273
Corn oil	184	67	152
Peanut oil	1,822	1,918	1,655
Rapeseed oil	381	277	221
Safflower oil	226	125	226
Other Vegetable oils and Waxes	47,428	45,905	43,109
Tobacco-unmanufactured	197,977	177,116	162,300
Tobacco-light air cured	-	1,653	-
Tobacco-flue cured	197,846	175,463	158,362
Other tobacco-unmanufactured	131	-	3,938
Cotton, excluding linters	1,013,559	395,058	948,200
Cotton linters	5,736	2,775	4,447
Essential oils	130,422	118,951	112,053
Seeds-field and garden	107,206	99,085	118,019
Sugar and tropical products	82,044	84,075	78,125
Sugar and related products	19,669	21,907	18,070
Sugar, cane or beet	249	279	231
Related sugar product	19,420	21,629	17,839
Coffee	10,406	13,469	18,444
Cocoa	13,734	10,481	4,585
Chocolate and prep	19,886	20,208	22,349
Tea, including herbal	14,416	15,238	11,217
Spices	1,967	1,603	2,260
Rubber, crude	1,941	1,084	1,136
Fibers, excluding cotton	25	85	63
Other hort products	197,173	216,279	223,042
Hops, including extract	16,448	12,882	16,587
Starches, not wheat/corn	509	873	1,055
Yeasts	4,792	4,077	2,018
Misc hort products	175,424	198,447	203,382
Nursery and greenhouse	6,332	5,639	3,675
Beverages, excluding juice	24,578	18,761	18,013

¹ Fiscal years Oct. 1–Sept. 30.
ERS, Market and Trade Economics Division, (202) 694–5257.

Table 15-7.—Agricultural imports for consumption: Value of Top 50 countries of origin, United States, fiscal years 2015–2017 ¹

Country	2015	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Mexico	20,679,945	22,506,716	24,070,456
Canada	22,390,965	21,431,150	21,984,341
European Union-28	19,707,999	20,396,674	21,370,965
China	4,330,670	4,253,999	4,464,770
Indonesia	2,911,922	2,802,810	3,586,635
Brazil	3,534,301	3,301,426	3,326,580
Australia(*)	4,653,356	3,382,255	3,102,650
Chile	2,808,419	3,021,738	2,992,819
New Zealand(*)	2,995,954	2,579,569	2,592,354
Colombia	2,472,105	2,292,031	2,590,706
India	2,951,666	2,096,398	2,525,205
Vietnam	1,876,592	1,996,122	2,400,803
Thailand	2,292,687	2,297,095	2,387,425
Guatemala	1,944,112	1,877,140	2,097,200
Peru	1,589,286	1,742,122	1,976,788
Costa Rica	1,503,198	1,595,778	1,606,720
Argentina	1,457,103	1,418,294	1,361,893
Switzerland(*)	1,277,656	1,333,248	1,269,648
Philippines	1,179,250	1,085,170	1,260,710
Cote d'Ivoire	918,270	1,005,375	1,182,024
Ecuador	1,213,379	1,200,540	1,055,528
Malaysia	1,251,366	1,063,066	963,616
Turkey	736,583	984,620	888,279
Honduras	665,777	746,226	817,926
Japan	554,278	615,822	653,573
Nicaragua	607,361	564,742	630,930
Korea, South	472,379	499,320	543,019
Dominican Republic	423,188	401,872	405,357
Madagascar	126,696	178,647	382,983
Israel(*)	337,735	368,921	370,054
Taiwan	344,888	324,014	360,094
Uruguay	390,116	313,138	341,519
Ghana	216,796	252,868	289,674
South Africa	273,623	280,970	283,627
El Salvador	248,548	225,131	225,373
Sri Lanka	174,190	160,550	190,052
Kenya	144,132	128,468	163,281
Ethiopia(*)	146,932	145,839	161,335
Morocco	181,152	178,069	156,549
Jamaica	95,700	101,525	120,825
Egypt	109,135	108,650	113,648
Bolivia	150,102	114,205	110,182
Pakistan	120,697	106,030	105,347
Ukraine	160,408	77,821	104,570
Paraguay	111,248	100,762	99,216
Hong Kong	94,646	101,066	96,271
Norway(*)	83,888	90,274	91,140
Malawi	57,292	58,902	88,905
Tunisia	190,820	124,619	86,388
Papua New Guinea	82,418	75,763	86,328
Other countries	994,153	929,222	1,003,494
Total U.S. Agricultural Imports ²	114,235,082	113,036,772	119,139,775

¹ Fiscal years Oct. 1–Sept. 30. ² Totals may not add due to rounding.
 ERS, Market and Trade Economics Division, (202) 694–5257. Compiled from reports of the U.S. Department of Commerce.

Table 15-8.—European Union: Value of agricultural imports by origin, 2008–2017

Year ¹	United States	EU countries	Other countries	Total
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
2008	12,206	335,188	129,056	476,450
2009	8,653	295,743	107,350	411,746
2010	9,999	304,902	114,064	428,965
2011	11,857	356,437	142,006	510,301
2012	10,996	344,295	133,028	488,319
2013	13,627	376,212	134,022	523,861
2014	14,297	376,527	135,722	526,546
2015	13,475	327,736	121,830	463,041
2016	12,667	333,540	120,347	466,554
2017	12,840	355,297	95,066	463,202

¹ Data on calendar year basis. Users should use cautious interpretation on reports that include summarized reporter groupings. These groupings will only include the members that have reported data for any particular year.
ERS, Market and Trade Economics Division, (202) 694-5257. Data Source: United National Commodity Trade Statistics, United Nations Statistics Division.

Table 15-9.—Fisheries: U.S. Commercial landings and value of principal species: 2015 and 2016 ¹

Species	Landings	
	2015	2016
	<i>Thousand pounds</i>	<i>Thousand pounds</i>
Fish:		
Cod, Atlantic	3,370	3,221
Flounder	554,605	565,447
Haddock	11,925	11,057
Halibut	24,539	25,166
Herring, sea	246,573	191,550
Jack mackerel	2,959	799
Menhaden	1,617,930	1,727,502
Ocean perch, Atlantic	10,869	8,573
Pollock	3,269,323	3,360,760
Salmon, Pacific	1,066,047	561,036
Tuna	57,123	55,973
Whiting (silver hake)	14,229	13,929
Shellfish:		
Clams (meats)	86,096	88,886
Crabs	326,393	317,348
Lobsters, American	145,921	158,561
Oysters (meats)	27,535	33,295
Scallops (meats)	35,824	40,611
Shrimp	327,070	270,787
	Value	
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Fish:		
Cod, Atlantic	6,447	6,140
Flounder	144,344	141,391
Haddock	12,685	13,315
Halibut	119,271	127,008
Herring, sea	32,865	35,203
Jack mackerel	220	63
Menhaden	166,483	179,791
Ocean perch, Atlantic	6,341	5,134
Pollock	449,198	423,575
Salmon, Pacific	460,166	420,233
Tuna	137,966	157,477
Whiting (silver hake)	10,492	10,615
Shellfish:		
Clams (meats)	206,299	234,856
Crabs	678,727	704,288
Lobsters, American	617,817	666,679
Oysters (meats)	213,773	217,170
Scallops (meats)	440,496	488,051
Shrimp	488,384	483,430

¹ Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River drainage are not available.

Totals may not add due to rounding. Data do not include landings by U.S.-flag vessels at Puerto Rico or other ports outside the 50 States. Data do not include aquaculture products, except oysters and clams.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-10.—Fresh and frozen fishery products: Production and value, 2015 and 2016

Product	Production	
	2015	2016
	<i>Thousand pounds</i>	<i>Thousand pounds</i>
Fish fillets	760,189	744,781
Cod	67,594	72,632
Flounder	12,296	10,221
Haddock	14,042	8,884
Ocean perch, Atlantic	1,309	988
Rockfish	2,757	2,333
Pollock, Atlantic	1,346	893
Pollock, Alaska	461,255	472,517
Other	199,590	176,313
	Value	
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Fish fillets	2,050,922	1,907,626
Cod	271,503	304,651
Flounder	51,299	43,189
Haddock	65,831	46,680
Ocean perch, Atlantic	4,219	2,997
Rockfish	8,812	7,137
Pollock, Atlantic	4,507	3,454
Pollock, Alaska	624,886	653,272
Other	1,019,865	846,246

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-11.—Canned fishery products: Production and value, 2015 and 2016

Product	Production	
	2015	2016
	<i>Thousand pounds</i>	<i>Thousand pounds</i>
Tuna ¹	399,874	382,865
Salmon	167,643	52,030
Clam products ²	120,041	117,536
Sardines, Maine	(⁴)	(⁴)
Shrimp ³	(⁴)	(⁴)
Crabs	43	180
Oysters	(⁴)	(⁴)
Total ⁵	1,003,326	865,516
	Value	
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Tuna ¹	773,416	699,412
Salmon	355,519	141,864
Clam products ²	147,404	145,305
Sardines, Maine	(⁴)	(⁴)
Shrimp ⁴	(⁴)	(⁴)
Crabs	166	689
Oysters	(⁴)	(⁴)
Total ⁵	1,519,627	1,233,167

¹ Flakes included with chunk. ² "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products. ³ Drained weight. ⁴ Confidential data. ⁵ Includes other products not shown separately.

U.S. Dept. of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-12.—Fisheries: Fishermen and craft, 1977, and catch, 2015–2016 by area

Area	1977 ¹			2015 ³		2016 ³	
	Fishermen	Fishing vessels	Fishing boats ²	Total catch	Value	Total catch	Value
	<i>1,000</i>	<i>Number</i>	<i>1,000</i>	<i>Million pounds</i>	<i>Million dollars</i>	<i>Million pounds</i>	<i>Million dollars</i>
New England States	31.7	929	15.4	591	1,239	595	1,328
Middle Atlantic States	17.3	573	11.3	642	511	577	549
South Atlantic States	11.6	1,463	6.7	109	214	110	201
Gulf States	29.3	5,328	11.0	1,535	816	1,716	857
Pacific Coast States	54.0	7,643	15.4	6,791	2,296	6,524	2,240
Great Lakes States	1.2	217	0.5	15	22	15	19
Hawaii	2.7	101	1.3	35	103	35	118
United States	182.1	17,545	89.2	9,718	5,203	9,572	5,312

¹ Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total. Mississippi River data included with total. ² Refers to craft having capacity of less than 5 net tons. ³ Great Lakes data are one year behind the heading years. Note: Table may not add due to rounding.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-13.—Fisheries: Quantity and value of domestic catch, 2007–2016

Year	Quantity ¹			Ex-vessel value	Average price per lb.
	Total	For human food	For industrial products ²		
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million dollars</i>	<i>Cents</i>
2007	9,309	7,490	1,819	4,192	45.0
2008	8,325	6,633	1,692	4,383	52.6
2009	8,031	6,198	1,833	3,891	48.4
2010	8,231	6,526	1,705	4,520	54.9
2011	9,858	7,909	1,949	5,289	53.7
2012	9,634	7,477	2,157	5,103	53.0
2013	9,870	8,043	1,827	5,466	55.4
2014	9,486	7,828	1,658	5,448	57.4
2015	9,718	7,750	1,968	5,203	53.5
2016	9,572	7,484	2,088	5,312	55.5

¹ Live weight. ² Meals, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food. U.S. Department of Commerce, NOAA, NMFS Fisheries Statistics Division, (301) 427-8103.

Table 15-14.—Fisheries: Disposition of domestic catch, 2015–2016¹

Disposition	2015	2016
	<i>Million pounds</i>	<i>Million pounds</i>
Fresh and frozen	7,622	7,509
Canned	364	186
Cured	65	57
Reduced to meal, oil, etc	1,667	1,820
Total	9,718	9,572

¹ 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, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-15.—Fishery products: Supply,¹ 2015–2016²

Item	2015	2016
	Million pounds	
For human food	18,848	18,745
Finfish	13,862	13,712
Shellfish ³	4,986	5,034
For industrial use	2,579	2,763
Domestic catch	9,718	9,572
Percent of total	45	45
For human food	7,750	7,484
Finfish	6,621	6,393
Shellfish ³	1,129	1,092
For industrial use	1,968	2,088
Imports ⁴	11,709	11,936
Percent of total	55	55
For human food	11,098	11,261
Finfish	7,241	7,319
Shellfish ³	3,857	3,942
For industrial use ⁵	611	675
Total	21,427	21,508

¹Supply totals are the domestic catch and imports without accounting for exports taken out. ²Live weight, except percent. May not add due to rounding. ³For univalve and bivalves mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell is reported. ⁴Excluding imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. ⁵Fish meal and sea herring.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-16.—Processed fishery products: Production and value, 2015–2016¹

Item	Production		Value	
	2015	2016	2015	2016
	<i>Thousand pounds</i>	<i>Thousand pounds</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Fresh and frozen:				
Fillets	760,189	744,781	2,050,922	1,907,626
Steaks	6,556	5,039	30,469	26,788
Fish sticks	66,289	54,896	96,217	83,276
Fish portions	152,633	90,129	281,833	163,057
Breaded shrimp	107,929	105,513	379,688	376,409
Canned products ²	1,003,326	865,516	1,519,627	1,233,167
Fish and shellfish	713,912	576,118	1,303,371	1,017,447
Animal feed	289,414	289,398	216,256	215,720
Industrial products	(X)	(X)	699,213	561,087
Meal and scrap	611,082	559,132	397,093	307,711
Oil (body and liver)	139,951	177,459	97,370	70,838
Other	(X)	(X)	204,750	182,538

(X) Not applicable. ¹Includes cured fish. ²Includes salmon eggs for baits.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-17.—Selected fishery products: Imports and exports, 2015–2016¹

Product	Quantity	
	2015	2016
	<i>Thousand pounds</i>	<i>Thousand pounds</i>
Imports		
Edible	5,737,894	5,828,202
Fresh and frozen	4,846,996	4,941,283
Salmon ²	265,630	283,985
Tuna	343,192	304,452
Groundfish fillets, blocks ³	340,014	348,772
Other fillets and steaks	1,370,837	1,361,359
Scallops (meats)	47,879	49,428
Lobster, American and spiny	125,691	112,966
Shrimp and prawn	1,282,458	1,327,427
Canned	698,059	688,775
Sardines, in oil	29,352	33,814
Sardines and herring, not in oil	40,481	42,159
Tuna	313,373	292,326
Oysters	11,393	11,617
Pickled or salted	56,551	58,282
Cod, haddock, hake, pollock, cusk	6,660	8,653
Nonedible scrap and meal	110,234	120,517
Exports		
Canned salmon	86,701	82,088
Fish oil, nonedible	121,089	166,595
Product	Value	
	2015	2016
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Imports		
Edible	18,798,004	19,491,036
Fresh and frozen	16,404,025	17,279,230
Salmon ²	750,109	971,272
Tuna	694,844	652,381
Groundfish fillets, blocks ³	735,031	749,738
Other fillets and steaks	4,153,317	4,301,864
Scallops (meats)	344,912	322,811
Lobster, American and spiny	1,160,982	1,022,999
Shrimp and prawn	5,397,508	5,673,609
Canned	1,811,216	1,626,906
Sardines, in oil	73,390	68,983
Sardines and herring, not in oil	59,000	58,077
Tuna	576,971	524,361
Oysters	31,809	32,729
Pickled or salted	97,041	91,248
Cod, haddock, hake, pollock, cusk	15,501	18,311
Nonedible scrap and meal	91,738	103,115
Exports		
Canned salmon	197,214	178,028
Fish oil, nonedible	144,250	176,899

¹ Includes Puerto Rico. ² Excludes fillets. ³ Includes cod, cusk, haddock, hake, pollock, ocean perch, and whiting.
U.S. Dept. of Commerce, NOAA, NMFS, Fisheries Statistics Division (301) 427-8103.

Table 15-18.—Fishery products: Imports and exports, 2007–2016 ¹

Year	Imports ²				Exports			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
	<i>Million dollars</i>	<i>Million pounds</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million pounds</i>	<i>Million dollars</i>	<i>Million dollars</i>
2007	28,777	5,346	13,696	15,081	20,054	2,869	4,269	15,785
2008	28,457	5,226	14,171	14,286	23,367	2,650	4,257	19,110
2009	23,554	5,161	13,124	10,430	19,636	2,546	3,980	15,656
2010	27,388	5,447	14,811	12,542	22,386	2,733	4,389	17,997
2011	30,943	5,349	16,618	14,326	26,218	3,267	5,447	20,771
2012	31,108	5,384	16,690	14,417	27,384	3,254	5,470	21,914
2013	33,254	5,415	18,006	15,150	29,113	3,324	5,584	23,529
2014	35,906	5,567	20,264	15,650	29,978	3,402	5,754	24,225
2015	34,311	5,738	18,798	15,513	28,396	3,141	5,567	22,829
2016	35,842	5,828	19,491	16,351	27,986	2,927	5,380	22,605

¹ Includes Puerto Rico. ² Includes landings of tuna by foreign vessels in American Samoa. U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-19.—Fish trips: Estimated number of fishing trips taken by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 2015–2016

Subregion	2015	2016
	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:		
North Atlantic	5,036	6,052
Mid-Atlantic	12,421	14,001
South Atlantic ¹	16,539	16,842
Gulf	20,769	20,726
Total	54,765	57,621
Pacific: ²		
Southern California	2,472	2,380
Northern California	1,264	1,166
Oregon	214	178
Washington	173	137
Hawaii	1,431	1,025
Alaska	632	514
Total	6,186	5,400

¹ Does not include trips from headboats (party boats) in the South Atlantic or Gulf of Mexico. ² Pacific state estimates do not include salmon data collected by recreational surveys.

Note: Recreational estimates have been revised back through 1981 (as of July 2018). Any data previously provided (for past reports) are no longer appropriate or valid.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-20.—Fish harvested¹ by marine recreational anglers by subregion, area, and mode, Atlantic, Gulf Coasts, and Pacific Coasts, 2015–2016

Subregion	2015	2016
	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf: ²		
North Atlantic	11,208	12,571
Mid-Atlantic	20,148	20,707
South Atlantic	33,312	31,639
Gulf	71,819	67,953
Total	136,487	132,870
Pacific: ³		
Southern California	4,519	3,831
Northern California	3,704	3,044
Oregon	671	560
Washington	586	501
Hawaii	4,642	2,460
Alaska	1,611	1,371
Total	15,733	11,767
Area	2015	2016
	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf: ²		
Inland	75,749	69,116
State Territorial Sea ⁴	40,190	41,306
Federal Exclusive Economic Zone ⁵	13,276	14,597
Total	136,487	132,870
Pacific: ^{3,6}		
Inland	1,694	1,709
State Territorial Sea ⁴	10,401	7,271
Federal Exclusive Economic Zone ⁵	2,027	1,416
Total	14,122	10,396
Mode	2015	2016
	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf: ²		
Shore	40,840	41,572
Party/charter	12,065	10,385
Private/rental	83,582	80,913
Total	136,487	132,870
Pacific: ³		
Shore	6,614	4,497
Party/charter	3,669	3,388
Private/rental	3,839	2,511
Total	14,122	10,396

¹ "Harvested" includes dead discards and fish used for bait but does not include fish released alive; totals may not match due to rounding. ² Does not include trips from headboats (party boats) in the South Atlantic or Gulf of Mexico. ³ Pacific state estimates do not include salmon data collected by recreational surveys. ⁴ Open Ocean extending 0 to 3 miles from shore, except West Florida (10 miles). ⁵ Open ocean extending to 200 miles offshore from the outer edge of the State Territorial Seas. ⁶ Does not include recreational catch from Alaska.

Note: Recreational estimates have been revised back through 1981 (as of July 2018). Any data previously provided (for past reports) are no longer appropriate or valid.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-21.—Fish harvested¹ by marine recreational anglers by species group and year, Atlantic and Gulf coasts, 2015–2016²

Species group	2015	2016
	<i>Thousands</i>	<i>Thousands</i>
Atlantic Cod	57	190
Atlantic Croaker	6,803	5,418
Atlantic Mackerel	5,144	5,767
Black Drum	463	661
Black Sea Bass	2,528	2,986
Blue Runner	2,213	2,481
Conger Eels	2	-
Crevalle Jack	603	950
Cunner	38	37
Epinephelus Groupers	307	247
Florida Pompano	463	477
Freshwater Catfishes	824	453
Gray Snapper	1,885	2,302
Greater Amberjack	115	134
Gulf Flounder	225	237
King Mackerel	483	568
Kingfishes	5,711	5,203
Lane Snapper	334	336
Little Tunny/Atlantic Bonito	400	399
Moray Eels	-	1
Mycteroperca Groupers	149	138
Pigfish	981	662
Pinfishes	5,008	3,659
Pollock	234	211
Red Drum	1,431	1,574
Red Hake	40	101
Red Porgy	407	423
Red Snapper	634	859
Saltwater Catfishes	329	448
Sand Seatrout	2,753	2,804
Scup	4,207	3,836
Sheepshead	1,522	1,492
Silver Perch	207	192
Skates/Rays	71	104
Southern Flounder	532	600
Spanish Mackerel	2,395	2,944
Spot	6,149	2,814
Spotted Seatrout	4,044	5,762
Striped Bass	1,253	1,531
Striped Mullet	2,214	2,364
Summer Flounder	1,622	2,029
Tautog	545	682
Vermilion Snapper	774	901
Weakfish	111	89
White Grunt	1,526	1,528
White Perch	1,527	2,472
Winter Flounder	61	87
Yellowtail Snapper	762	733
Other Barracudas	125	68
Other Bluefish	4,148	4,564
Other Cods/Hakes	247	639
Other Dolphins	1,566	843
Other Drum	275	308
Other Eels	11	63
Other Flounders	121	130
Other Grunts	375	508
Other Herrings	35,722	32,902
Other Jacks	2,973	2,168
Other Mulletts	5,311	6,221
Other Porgies	376	448
Other Puffers	917	355
Other Sculpins	3	1
Other Sea Basses	137	252
Other Searobins	237	225
Other Sharks	152	157
Other Snappers	151	241
Other Temperate Basses	2	-
Other Toadfishes	11	7
Other Triggerfishes/Filefishes	195	355
Other Tunas/Mackerels	335	605
Other Wrasses	289	234
Other fishes	12,722	11,690
Total ³	136,487	132,870

- Represents zero. ¹"Harvested" includes dead discards and fish used for bait but does not include fish released alive. ²Data do not include headboats (party boats) in the South Atlantic and the Gulf of Mexico. ³Totals may not add due to rounding.

Note: Recreational estimates have been revised back through 1981 (as of July 2018). Any data previously provided (for past reports) are no longer appropriate or valid.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division (301) 427-8103.

Table 15-22.—Fish harvested¹ by marine recreational anglers by species group and year, Pacific coast, 2015–2016²

Species group	2015	2016
	<i>Thousands</i>	<i>Thousands</i>
Albacore	-	2
Barred Sand Bass	72	20
Barred Surfperch	763	461
Bigeye Scad	1,036	542
Bigeye Trevally	-	-
Bigscale Soldierfish	32	50
Black Perch	15	16
Black Rockfish	971	893
Blackspot Sergeant	10	16
Blacktail Snapper	13	15
Blue Rockfish	445	366
Bluefin Trevally	104	74
Bluestripe Snapper	34	52
Bocaccio	136	81
Brown Rockfish	151	136
Cabezon	34	33
California Corbina	6	19
California Halibut	14	18
California Sheephead	27	31
Canary Rockfish	66	59
Chilipepper Rockfish	30	22
Chub Mackerel	1,681	1,009
Conger Eels	-	-
Convict Tang	91	123
Copper Rockfish	174	188
Giant Trevally	49	21
Goldring Surgeonfish	35	58
Gopher Rockfish	127	154
Greater Amberjack	2	1
Green Jobfish	22	9
Greenspotted Rockfish	28	29
Halfmoon	15	28
Hawaiian Flagtail	138	125
Hawaiian Hogfish	2	4
Highfin Ruddertfish	9	5
Island Jack	9	15
Jacksmelt	273	382
Kawakawa	32	9
Kelp Bass	85	126
Kelp Greenling	34	22
Lingcod	378	357
Mackerel Scad	210	147
Manybar Goatfish	26	15
Moray Eels	10	5
Northern Anchovy	124	47
Olive Rockfish	106	113
Opaleye	24	23
Pacific Barracuda	23	13
Pacific Bonito	182	103
Pacific Cod	58	44
Pacific Hake	-	-
Pacific Herring	7	316
Pacific Tomcod	-	-
Pile Perch	4	3
Pink Snapper	23	17
Queenfish	9	10
Quillback Rockfish	9	14
Razortishes	49	33
Redtail Surfperch	64	89
Rock Sole	-	-
Sanddabs	313	263
Shiner Perch	68	38
Silver Surfperch	123	55
Skates/Rays	4	4
Skipjack Tuna	268	88
Smallmouth Bonefish	26	26
Spiny Dogfish	-	-
Spotted Sand Bass	4	11
Squirrel Fishes	1	-
Starry Flounder	-	-
Striped Bass	51	27
Striped Mullet	24	5

See footnote(s) at end of table.

Table 15-22.—Fish harvested¹ by marine recreational anglers by species group and year, Pacific coast, 2015–2016²—Continued

Species group	2015	2016
	<i>Thousands</i>	<i>Thousands</i>
Striped Seaperch	44	41
Surf Smelt	10	-
Unicornfishes	13	9
Wahoo	55	44
Walleye Surfperch	42	49
White Croaker	48	41
White Seaperch	8	5
Whitemouth Trevally	-	-
Whitesaddle Goatfish	5	2
Whitetip Soldierfish	7	-
Widow Rockfish	13	5
Yellowfin Tuna	292	86
Yellowstripe Goatfish	758	205
Yellowtail	130	76
Yellowtail Rockfish	261	116
Other Anchovies	-	-
Other Barracudas	8	2
Other Cods/Hakes	-	-
Other Damselﬁshes	3	16
Other Dolphins	78	44
Other Drum	45	77
Other Flounders	445	431
Other Goatfishes	263	21
Other Greenlings	1	-
Other Groupers	3	9
Other Herrings	58	86
Other Jacks	163	55
Other Mulletts	40	24
Other Rockfishes	1,465	1,465
Other Sablefishes	23	15
Other Scorpionfishes	170	149
Other Sculpins	3	2
Other Sea Basses	1	1
Other Sea Chubs	27	12
Other Sharks	11	11
Other Silversides	173	103
Other Smelts	86	39
Other Snappers	28	25
Other Soldierfishes	19	9
Other Sturgeons	-	-
Other Surfperches	88	62
Other Surgeonfishes	79	41
Other Tunas/Mackerels	140	94
Other Wrasses	22	22
Other fishes	1,652	1,193
Total³	15,733	11,767

- Represents zero. ¹"Harvested" includes dead discards and fish used for bait but does not include fish released alive. ²Pacific estimates do not include salmon data collected by state recreational surveys. ³Totals may not add exactly due to rounding.

Note: Recreational estimates have been revised back through 1981 (as of July 2018). Any data previously provided (for past reports) are no longer appropriate or valid.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-23.—Catfish production: Water surface acre usage by State and United States, 2017–2018

State	Acres intended for utilization during January 1-June 30					Acres taken out of production during Jul 1-Dec 31 prev. year
	Foodsize	Fingerlings	Broodfish	Currently under or scheduled for:		
				Renovation	New construction	
	Acres	Acres	Acres	Acres	Acres	Acres
2017						
Alabama	14,700	100	35	270	(D)	280
Arkansas	3,300	1,200	180	180	(D)	400
California	930	160	45	80	-	140
Mississippi	26,300	5,400	1,400	1,400	600	1,300
North Carolina	1,100	60	(D)	35	(D)	(D)
Texas	1,700	65	40	50	(D)	320
Other States ¹	1,090	510	175	30	235	285
United States	49,120	7,495	1,905	2,045	835	2,725
2018						
Alabama	14,300	290	60	570	170	270
Arkansas	3,000	1,300	195	390	(D)	(D)
California	1,000	150	70	95	(D)	25
Mississippi	26,900	5,900	1,400	2,100	100	45
North Carolina	1,000	60	(D)	100	(D)	(D)
Texas	1,600	40	40	240	(D)	350
Other States ¹	960	660	175	120	120	200
United States	48,760	8,400	1,940	3,615	390	890

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹ Other States include State estimates not shown and States suppressed due to disclosure.
 NASS, Livestock Branch, (202) 720-3570.

Table 15-24.—Catfish: Number of operations and water surface acres used for production, 2017–2018, and total sales, 2016–2017, by State and United States

State	Water surface acres used for production during Jan 1 - July 30		Total sales	
	2017	2018	2016	2017
	Acres	Acres	1,000 dollars	1,000 dollars
Alabama	15,000	14,800	119,989	114,596
Arkansas	5,000	4,800	19,086	20,607
California	1,300	1,300	5,230	5,051
Mississippi	34,400	36,100	213,372	214,596
North Carolina	1,200	1,100	4,164	3,126
Texas	1,900	1,700	17,722	15,636
Other States ¹	1,990	2,060	6,422	6,101
United States	60,790	61,860	385,985	379,713

¹ Other States include State estimates not shown and States suppressed due to disclosure.
 NASS, Livestock Branch, (202) 720-3570.

Table 15-25.—Catfish: Sales by size category, by State and United States, 2016–2017

Size category and State	Number of fish		Live weight		Sales			
	2016	2017	2016	2017	Total		Average price per pound	
					2016	2017	2016	2017
	1,000	1,000	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	Dollars	Dollars
Foodsized:								
Alabama	62,300	66,300	109,000	112,900	119,900	114,029	1.10	1.01
Arkansas	10,300	11,100	16,300	16,800	16,952	18,144	1.04	1.08
California	1,150	910	1,640	1,580	5,051	4,945	3.08	3.13
Mississippi	105,000	112,000	172,000	180,500	196,080	196,745	1.14	1.09
North Carolina	1,930	1,380	3,500	2,600	4,060	3,068	1.16	1.18
Texas	8,020	6,740	15,400	14,000	17,402	15,540	1.13	1.11
Other States ¹	1,880	1,400	2,334	2,048	3,953	2,961	1.69	1.45
United States	190,580	199,830	320,174	330,428	363,398	355,432	1.14	1.08
Stockers:								
Alabama	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Arkansas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mississippi	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States ¹	30,795	24,960	3,444	2,856	(D)	114	1.59	1.58
United States	30,795	24,960	3,444	2,856	112	114	1.59	1.58
Fingerlings and fry:								
Alabama	400	390	16	9	86	82	5.35	9.15
Arkansas	15,800	(D)	472	(D)	1,416	(D)	3.00	(D)
California	780	220	11	5	103	56	9.35	11.20
Mississippi	165,000	162,000	6,650	6,900	13,766	15,456	2.07	2.24
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	(D)	470	(D)	21	(D)	59	(D)	2.81
Other States ¹	12,550	31,875	460	1,138	1,542	3,064	3.35	2.69
United States	194,530	194,955	7,609	8,073	16,913	18,717	2.22	2.32
Broodfish:								
Alabama	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Arkansas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mississippi	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States ¹	30	210	143	884	197	1,063	1.38	1.20
United States	30	210	143	884	197	1,063	1.38	1.20

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹ Other States include State estimates not shown and States suppressed due to disclosure.
 NASS, Livestock Branch, (202) 720-0585.

Table 15-26.—Trout: Value of fish sold and distributed, by State (excluding eggs), and United States (including and excluding eggs), 2016–2017

State	Total value of fish sold		Total value of distributed fish	
	2016	2017	2016	2017
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Arkansas	-	-	3,198	2,654
California	3,958	3,854	9,952	11,049
Colorado	2,196	2,066	6,339	7,164
Georgia	406	(D)	1,266	1,231
Idaho	50,298	49,968	11,111	11,496
Michigan	1,402	1,492	5,106	4,667
Missouri	2,686	2,819	2,614	3,173
New York	617	569	3,361	3,310
North Carolina	8,563	9,111	(D)	2,243
Oregon	(D)	(D)	9,547	8,642
Pennsylvania	5,909	6,276	13,124	9,192
Utah	633	694	7,820	6,976
Virginia	1,442	1,747	1,365	1,916
Washington	(D)	(D)	18,792	19,603
West Virginia	1,231	1,066	(D)	2,580
Wisconsin	1,558	1,694	2,699	2,196
Other States ¹	24,084	28,012	33,232	34,155
United States				
Value excluding eggs	104,983	109,368	129,526	132,247
Value including eggs ..	113,904	118,212	(NA)	(NA)

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Other States include State estimates not listed and States suppressed due to disclosure.
NASS, Livestock Branch, (202) 720-3570.

Table 15-27.—Trout: Egg Sales, United States, 2014–2017

Year	Number of Eggs	Average Price per 1,000 Eggs	Total Sales ¹
	<i>1,000</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2014	427,125	20.50	8,774
2015	431,475	20.20	8,706
2016	422,904	21.10	8,921
2017	442,145	21.00	8,844

¹ Total sales may not add due to rounding.
NASS, Livestock Branch, (202) 720-3570.

Table 15-28.—Trout: Sales by size category, by State and United States, 2016–2017

Size category and State	Number of fish		Live weight		Sales			
	2016	2017	Total ¹		Total ²		Average price per pound	
			2016	2017	2016	2017	2016	2017
	1,000	1,000	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	Dollars	Dollars
12 inch or longer:								
Arkansas	-	-	-	-	-	-	-	-
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	380	340	441	333	1,923	1,815	4.36	5.45
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	33,000	27,300	39,700	33,300	50,022	49,950	1.26	1.50
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missouri	760	570	734	664	1,879	1,740	2.56	2.62
New York	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	3,960	3,500	4,400	4,150	7,656	7,885	1.74	1.90
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	980	970	1,090	1,070	4,949	4,879	4.54	4.56
Utah	100	140	128	184	436	550	3.41	2.99
Virginia	460	500	427	524	1,204	1,577	2.82	3.01
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	630	590	569	515	1,223	1,045	2.15	2.03
Wisconsin	(D)	390	(D)	378	(D)	1,569	(D)	4.15
Other States ³	6,035	5,965	11,610	12,168	27,784	29,637	2.39	2.44
United States	46,305	40,265	59,099	53,286	97,076	100,647	1.64	1.89
6 inch-12 inch:								
Arkansas	-	-	-	-	-	-	-	-
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missouri	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New York	95	55	39	23	188	122	4.82	5.30
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	500	530	196	280	894	1,322	4.56	4.72
Utah	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	65	(D)	21	(D)	86	(D)	4.10	(D)
Other States ³	5,280	5,845	1,443	1,584	5,448	6,008	3.78	3.79
United States	5,940	6,430	1,699	1,887	6,616	7,452	3.89	3.95
1 inch-6 inch:								
Arkansas	-	-	-	-	-	-	-	-
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missouri	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New York	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	120	115	4	4	66	75	551	651
Utah	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	105	(D)	2	(D)	40	(D)	382	(D)
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States ³	5,650	6,355	129	131	1,185	1,194	210	188
United States	5,875	6,470	135	135	1,291	1,269	220	196

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹ Due to rounding, total number of fish multiplied by the average pounds per unit may not exactly equal total live weight. ² Due to rounding, total number or live weight multiplied by average value per unit may not exactly equal total sales. ³ Other States include State estimates not listed and States suppressed due to disclosure.
 NASS, Livestock Branch, (202) 720-3570.

Table 15-29.—General storages: Gross and usable cooler and freezer space, by State and United States, October 1, 2017¹

State	Cooler		Freezer		Total	
	Gross	Usable	Gross	Usable	Gross	Usable
1,000 Cubic Feet						
Alabama	613	551	32,808	28,340	33,421	28,892
Alaska	(D)	(D)	(D)	(D)	(D)	(D)
Arizona	(D)	(D)	(D)	(D)	4,003	3,487
Arkansas	(D)	3,283	(D)	72,519	84,447	75,802
California	84,058	63,195	312,415	260,012	396,473	323,207
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Connecticut	(D)	(D)	(D)	(D)	(D)	(D)
Delaware	(D)	3,241	(D)	17,896	28,716	21,137
Florida	105,613	81,059	153,833	130,271	259,446	211,330
Georgia	33,442	26,692	150,041	128,754	183,483	155,446
Hawaii	-	-	-	-	-	-
Idaho	(D)	(D)	(D)	(D)	58,444	48,732
Illinois	22,866	19,576	165,135	132,334	188,000	151,910
Indiana	(D)	(D)	(D)	(D)	91,384	75,953
Iowa	11,551	8,945	66,133	58,035	77,683	66,980
Kansas	7,274	4,713	38,752	28,607	46,026	33,320
Kentucky	(D)	(D)	(D)	(D)	24,006	22,108
Louisiana	(D)	(D)	(D)	(D)	5,081	4,724
Maine	(D)	(D)	(D)	(D)	7,473	5,774
Maryland	(D)	(D)	(D)	(D)	(D)	(D)
Massachusetts	9,514	7,219	58,907	49,037	68,421	56,256
Michigan	7,725	6,363	84,155	68,823	91,880	75,186
Minnesota	23,158	15,607	69,397	55,879	92,556	71,487
Mississippi	(D)	(D)	(D)	(D)	14,596	11,386
Missouri	23,229	19,768	70,164	59,705	93,394	79,473
Montana	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	4,025	2,387	43,595	34,938	47,619	37,325
Nevada	(D)	(D)	(D)	(D)	(D)	(D)
New Hampshire	-	-	-	-	-	-
New Jersey	36,699	29,173	99,978	81,562	136,677	110,735
New Mexico	(D)	(D)	(D)	(D)	11,873	8,730
New York	18,473	14,130	48,545	43,130	67,019	57,260
North Carolina	4,029	3,011	53,810	42,723	57,839	45,734
North Dakota	(D)	(D)	(D)	(D)	10,325	7,800
Ohio	6,776	6,199	49,033	40,668	55,809	46,866
Oklahoma	(D)	(D)	(D)	(D)	15,637	12,428
Oregon	4,961	3,370	134,596	107,857	139,557	111,227
Pennsylvania	43,357	31,921	170,108	146,018	213,465	177,939
Rhode Island	(D)	(D)	(D)	(D)	(D)	(D)
South Carolina	(D)	(D)	(D)	(D)	26,362	20,898
South Dakota	(D)	(D)	(D)	(D)	11,645	6,289
Tennessee	4,492	(D)	52,742	(D)	57,234	41,704
Texas	62,207	50,103	169,187	136,282	231,395	186,386
Utah	13,463	11,974	36,642	30,173	50,105	42,147
Vermont	(D)	(D)	(D)	(D)	1,989	1,389
Virginia	13,745	12,327	57,011	51,340	70,757	63,666
Washington	12,187	10,030	259,096	198,507	271,283	208,537
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	103,068	74,815	125,044	105,059	228,112	179,873
Wyoming	-	-	-	-	-	-
United States	709,741	546,003	2,892,409	2,377,919	3,602,154	2,923,921

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹ Totals may not add due to rounding. NASS, Livestock Branch, (202) 720-4751.

Table 15-30.—Refrigerated warehouses: Gross refrigerated space by type of warehouse, United States, biennially, October 2009–2017^{1 2}

Type	2009	2011	2013	2015	2017
1,000 Cubic Feet					
General:					
Public	2,900,511	3,028,243	3,076,959	3,138,463	2,834,824
Private and Semiprivate	894,463	931,117	978,426	1,030,460	767,331
Total	3,794,974	3,959,354	4,055,385	4,168,921	3,602,154

¹ Warehouse space is defined as all space artificially cooled to temperatures of 50 degrees F. or less, in which food commodities are normally held for 30 days or longer. ² Totals may not add due to rounding. NASS, Livestock Branch, (202) 720-4751.

Table 15-31.—Alaska crops: Acreage harvested, volume harvested, and value of production, 2008–2017

Year	Oats for grain	Barley for grain	All hay	Potatoes
Acreage harvested				
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
2008	500	3,400	18,000	780
2009	900	4,400	20,000	740
2010	800	4,200	20,000	750
2011	1,000	4,800	19,000	720
2012	900	4,300	22,000	650
2013	400	3,300	20,000	620
2014	1,000	5,100	18,000	620
2015	1,000	4,300	18,000	540
2016	1,200	4,700	22,000	490
2017	900	5,200	21,000	430
Volume harvested				
	<i>Bushels</i>	<i>Bushels</i>	<i>Tons</i>	<i>Cwt.</i>
2008	13,000	99,000	20,000	135,000
2009	37,000	183,000	23,000	137,000
2010	48,000	185,000	24,000	150,000
2011	80,000	175,000	22,000	134,000
2012	59,000	207,000	27,000	140,000
2013	15,000	110,000	15,000	130,000
2014	57,000	217,000	25,000	155,000
2015	47,000	146,000	20,000	140,000
2016	74,000	230,000	30,000	147,000
2017	66,000	239,000	25,000	120,000
Value of production				
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2008	39,000	446,000	6,300,000	3,348,000
2009	113,000	814,000	7,130,000	3,315,000
2010	161,000	814,000	7,320,000	3,570,000
2011	276,000	788,000	6,600,000	3,176,000
2012	212,000	1,107,000	8,505,000	3,864,000
2013	56,000	594,000	5,925,000	3,055,000
2014	211,000	1,183,000	9,625,000	3,395,000
2015	179,000	796,000	7,400,000	2,884,000
2016	274,000	1,208,000	10,200,000	3,308,000
2017	241,000	1,255,000	9,000,000	2,724,000

NASS, Crops Branch, (202) 720-2127.

Table 15-32.—Crop ranking: Major field crops, rank by production, major States, 2017

Rank	State	Corn, grain	State	Soybeans	State	All wheat
		<i>1,000 bushels</i>		<i>1,000 bushels</i>		<i>1,000 bushels</i>
1	IA	2,605,800	IL	611,900	KS	333,600
2	IL	2,200,950	IA	566,580	ND	237,133
3	NE	1,683,300	MN	384,275	WA	142,500
4	MN	1,480,220	NE	326,025	MT	127,430
5	IN	934,200	IN	320,760	OK	98,600
6	SD	736,600	MO	292,545	ID	90,723
7	KS	686,400	OH	251,955	CO	87,598
8	OH	554,010	ND	243,225	MN	75,935
9	MO	552,500	SD	241,230	TX	68,150
10	WI	509,820	KS	191,625	OR	48,069
	US	14,604,067	US	4,410,673	US	1,739,645
Rank	State	Winter wheat	State	Durum wheat	State	Other spring wheat
		<i>1,000 bushels</i>		<i>1,000 bushels</i>		<i>1,000 bushels</i>
1	KS	333,600	ND	28,788	ND	207,050
2	WA	120,450	MT	12,560	MN	75,710
3	OK	98,600	AZ	8,989	MT	48,090
4	CO	86,860	CA	2,484	SD	35,275
5	TX	68,150	ID	1,848	ID	22,050
6	MT	66,780	SD	108	WA	20,770
7	ID	53,600	.....	.....	OR	4,599
8	NE	46,920	.....	.....	CO	738
9	OR	43,470	.....	.....	UT	624
10	MO	36,720	.....	.....	NV	525
	US	1,269,437	US	54,777	US	415,431
Rank	State	Sorghum, grain	State	Barley	State	Oats
		<i>1,000 bushels</i>		<i>1,000 bushels</i>		<i>1,000 bushels</i>
1	KS	200,900	ID	48,450	MN	7,125
2	TX	94,500	MT	28,815	WI	5,015
3	CO	20,520	ND	24,885	ND	4,640
4	OK	15,635	CO	8,976	SD	4,200
5	NE	12,015	WY	6,426	IA	3,234
6	SD	11,560	MN	5,168	TX	2,700
7	MO	6,265	WA	4,505	PA	2,320
8	NM	2,484	PA	3,150	MI	2,160
9	IL	1,680	OR	2,356	NY	1,925
10	LA	1,245	AZ	2,227	NE	1,715
	US	363,832	US	141,923	US	49,391
Rank	State	All cotton	State	Peanuts	State	Rice
		<i>1,000 bales</i>		<i>1,000 pounds</i>		<i>1,000 cwt.</i>
1	TX	9,296	GA	3,572,250	AR	82,644
2	GA	2,225	AL	704,450	CA	37,277
3	MS	1,351	TX	697,200	LA	26,503
4	AR	1,074	FL	638,250	MO	11,900
5	OK	1,020	NC	479,700	TX	11,468
6	CA	865	SC	472,000	MS	8,436
7	AL	808	MS	172,000		
8	MO	750	AR	153,700		
9	NC	741	VA	119,880		
10	TN	732	OK	79,380		
	US	20,923	US	7,115,410	US	178,228
Rank	State	All hay, baled	State	Alfalfa hay, baled	State	Other hay, baled
		<i>1,000 tons</i>		<i>1,000 tons</i>		<i>1,000 tons</i>
1	TX	10,350	CA	4,488	TX	9,870
2	NE	6,159	ID	4,240	MO	5,265
3	KS	6,042	MT	3,360	OK	5,130
4	CA	6,028	NE	3,279	KY	4,800
5	OK	5,998	MN	2,915	KS	3,990
6	MO	5,985	CO	2,808	TN	3,910
7	KY	5,325	SD	2,625	NE	2,880
8	ID	5,128	WI	2,580	VA	2,645
9	MT	4,880	IA	2,520	PA	2,496
10	SD	4,785	AZ	2,310	AR	2,320
	US	131,455	US	55,068	US	76,387
Rank	State	All tobacco	State	Dry edible beans	State	Potatoes
		<i>1,000 pounds</i>		<i>1,000 cwt.</i>		<i>1,000 cwt.</i>
1	NC	360,040	ND	12,392	ID	134,850
2	KY	183,300	MI	4,394	WA	99,220
3	VA	53,381	NE	3,901	WI	28,475
4	TN	43,000	MN	3,567	ND	24,420
5	GA	26,250	ID	2,873	OR	21,395
6	SC	25,200	WA	2,834	CO	21,220
7	PA	18,990	MT	2,594	MN	18,428
8 ....	.....	.....	CO	1,092	MI	17,205
9 ....	.....	.....	CA	1,045	CA	15,936
10	US	710,161	WY	933	ME	15,200
			US	35,845	US	442,034

NASS, Crops Branch, (202) 720-2127.

Table 15-33.—U.S. crop progress: 2017 crop and 5-year average
[In percent]

Week-end- ing date	Winter wheat							
	Planted		Emerged		Headed		Harvested	
	2016	Avg	2016	Avg	2017	Avg	2017	Avg
2016:								
Sep 11	6	7						
Sep 18	17	16						
Sep 25	30	30	8	8				
Oct 2	43	45	20	17				
Oct 9	59	60	34	30				
Oct 16	72	73	47	45				
Oct 23	79	82	60	58				
Oct 30	86	88	70	69				
Nov 6	91	92	79	78				
Nov 13	94	95	84	84				
Nov 20	97	99	89	88				
Nov 27 ....	.....	.....	92	92				
2017:								
Apr 9 .....	.....	.....	.....	.....	9	6		
Apr 16 .....	.....	.....	.....	.....	19	13		
Apr 23 .....	.....	.....	.....	.....	32	23		
Apr 30 .....	.....	.....	.....	.....	42	34		
May 7 .....	.....	.....	.....	.....	50	46		
May 14 .....	.....	.....	.....	.....	63	57		
May 21 .....	.....	.....	.....	.....	72	67		
May 28 .....	.....	.....	.....	.....	80	77		
Jun 4 .....	.....	.....	.....	.....	87	85	10	7
Jun 11 .....	.....	.....	.....	.....	92	91	17	15
Jun 18 .....	.....	.....	.....	.....	97	95	28	25
Jun 25 .....	.....	.....	.....	.....	.....	.....	41	39
Jul 2 .....	.....	.....	.....	.....	.....	.....	53	54
Jul 9 .....	.....	.....	.....	.....	.....	.....	67	65
Jul 16 .....	.....	.....	.....	.....	.....	.....	75	73
Jul 23 .....	.....	.....	.....	.....	.....	.....	84	80
Jul 30 .....	.....	.....	.....	.....	.....	.....	88	86
Aug 6 .....	.....	.....	.....	.....	.....	.....	94	92
Aug 13 .....	.....	.....	.....	.....	.....	.....	97	96
Week-end- ing date	Spring wheat							
	Planted		Emerged		Headed		Harvested	
	2017	Avg	2017	Avg	2017	Avg	2017	Avg
2017:								
Apr 9	5	11						
Apr 16	13	21						
Apr 23	22	34	5	8				
Apr 30	31	46	9	17				
May 7	54	60	21	29				
May 14	78	73	40	44				
May 21	90	84	62	59				
May 28	96	91	79	74				
Jun 4 .....	.....	.....	90	85				
Jun 11 .....	.....	.....	95	92				
Jun 18 .....	.....	.....	.....	.....	15	17		
Jun 25 .....	.....	.....	.....	.....	36	35		
Jul 2 .....	.....	.....	.....	.....	59	54		
Jul 9 .....	.....	.....	.....	.....	79	74		
Jul 16 .....	.....	.....	.....	.....	91	87		
Jul 23 .....	.....	.....	.....	.....	96	94		
Jul 30 .....	.....	.....	.....	.....	.....	.....	9	9
Aug 6 .....	.....	.....	.....	.....	.....	.....	24	21
Aug 13 .....	.....	.....	.....	.....	.....	.....	40	35
Aug 20 .....	.....	.....	.....	.....	.....	.....	58	51
Aug 27 .....	.....	.....	.....	.....	.....	.....	76	66
Sep 3 .....	.....	.....	.....	.....	.....	.....	89	78
Sep 10 .....	.....	.....	.....	.....	.....	.....	95	87

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2017 crop and 5-year average—Continued
[In percent]

Week-ending date	Rice							
	Planted		Emerged		Headed		Harvested	
	2017	Avg	2017	Avg	2017	Avg	2017	Avg
2017:								
Apr 2	17	14	7	4				
Apr 9	31	26	13	9				
Apr 16	55	37	25	17				
Apr 23	69	47	45	30				
Apr 30	73	58	58	41				
May 7	76	71	65	53				
May 14	83	81	73	65				
May 21	91	90	78	76				
May 28	97	96	84	86				
Jun 4			91	92				
Jun 11			94	97				
Jun 18			98	100	5	6		
Jun 25					9	11		
Jul 2					14	16		
Jul 9					22	23		
Jul 16					33	32		
Jul 23					49	44		
Jul 30					64	57		
Aug 6					84	72	9	5
Aug 13					91	83	12	9
Aug 20					96	92	16	14
Aug 27							24	20
Sep 3							29	30
Sep 10							43	40
Sep 17							55	51
Sep 24							69	61
Oct 1							77	71
Oct 8							85	80
Oct 15							91	87
Oct 22							98	93
Oct 29							99	97

Week-ending date	Corn													
	Planted		Emerged		Silking		Dough		Dented		Mature		Harvested	
	2017	Avg	2017	Avg	2017	Avg	2017	Avg	2017	Avg	2017	Avg	2017	Avg
2017:														
Apr 9	3	3												
Apr 16	6	9												
Apr 23	17	18	4	4										
Apr 30	34	34	9	8										
May 7	47	52	15	19										
May 14	71	70	31	36										
May 21	84	85	54	55										
May 28	91	93	73	75										
Jun 4	96	97	86	87										
Jun 11			94	94										
Jun 18			98	98										
Jun 25					4	5								
Jul 2					10	13								
Jul 9					19	27								
Jul 16					40	47								
Jul 23					67	69	8	13						
Jul 30					85	85	23	25						
Aug 6					93	94	42	44	7	11				
Aug 13					97	98	61	62	16	20				
Aug 20							76	77	29	35				
Aug 27							86	87	44	51	6	10		
Sep 3							92	94	60	68	12	18		
Sep 10							96	97	75	81	21	31	5	6
Sep 17									86	90	34	47	7	11
Sep 24									93	95	51	64	11	17
Oct 1									96	98	68	78	17	26
Oct 8											82	87	22	37
Oct 15											90	94	28	47
Oct 22											96	97	38	59
Oct 29													54	72
Nov 5													70	83
Nov 12													83	91
Nov 19													90	95
Nov 26													95	98

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2017 crop and 5-year average—Continued
[In percent]

Week-ending date	Sorghum										
	Planted		Headed		Coloring		Mature		Harvested		
	2017	Avg	2017	Avg	2017	Avg	2017	Avg	2017	Avg	
2017:											
Apr 2	15	12									
Apr 9	18	15									
Apr 16	21	20									
Apr 23	24	23									
Apr 30	27	26									
May 7	30	30									
May 14	32	35									
May 21	37	41									
May 28	44	49									
Jun 4	55	60									
Jun 11	71	73	16	13							
Jun 18	86	85	17	18							
Jun 25	95	93	20	22							
Jul 2			25	24							
Jul 9			28	27	18	17					
Jul 16			31	33	20	21					
Jul 23			38	42	21	25					
Jul 30			49	52	23	28					
Aug 6			62	63	26	32					
Aug 13			75	74	31	38	21	25			
Aug 20			84	82	40	45	26	28	19	18	
Aug 27			91	90	49	54	29	31	21	22	
Sep 3			96	94	62	64	31	34	23	24	
Sep 10					74	74	35	39	24	27	
Sep 17					84	83	43	46	29	29	
Sep 24					90	90	52	54	32	33	
Oct 1					94	94	60	63	34	37	
Oct 8					97	97	69	73	35	43	
Oct 15							81	82	40	50	
Oct 22							89	90	47	59	
Oct 29							96	95	59	69	
Nov 5									72	78	
Nov 12									83	87	
Nov 19									90	92	
Nov 26									95	96	

Week-ending date	Soybeans											
	Planted		Emerged		Blooming		Setting Pods		Dropping Leaves		Harvested	
	2017	Avg	2017	Avg	2017	Avg	2017	Avg	2017	Avg	2017	Avg
2017:												
Apr 23	6	3										
Apr 30	10	7										
May 7	14	17										
May 14	32	32	8	9								
May 21	53	52	19	21								
May 28	67	68	37	40								
Jun 4	83	79	58	59								
Jun 11	92	87	77	73								
Jun 18	96	93	89	84								
Jun 25			94	91	9	7						
Jul 2			98	95	18	17						
Jul 9					34	32	7	5				
Jul 16					52	51	16	13				
Jul 23					69	67	29	27				
Jul 30					82	80	48	45				
Aug 6					90	88	65	62				
Aug 13					94	93	79	75				
Aug 20					97	97	87	85				
Aug 27							93	92	6	5		
Sep 3							97	96	11	12		
Sep 10									22	25		
Sep 17									41	43	4	5
Sep 24									63	63	10	12
Oct 1									80	78	22	26
Oct 8									89	87	36	43
Oct 15									94	93	49	60
Oct 22									97	97	70	73
Oct 29											83	84
Nov 5											90	91
Nov 12											93	95
Nov 19											96	97

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2017 crop and 5-year average—Continued
[In percent]

Week-ending date	Cotton, Upland										
	Planted		Squaring		Setting Bolls		Bolls Opening		Harvested		
	2017	Avg	2017	Avg	2017	Avg	2017	Avg	2017	Avg	
2017:											
Apr 2	4	4									
Apr 9	6	6									
Apr 16	8	9									
Apr 23	11	12									
Apr 30	14	17									
May 7	21	25									
May 14	33	37									
May 21	52	50									
May 28	63	64	7	4							
Jun 4	80	80	11	7							
Jun 11	92	90	15	12							
Jun 18	94	96	22	20							
Jun 25	98	99	34	30	7	5					
Jul 2 .....	.....	.....	45	44	13	10					
Jul 9 .....	.....	.....	61	60	19	17					
Jul 16 .....	.....	.....	70	75	26	28					
Jul 23 .....	.....	.....	77	84	36	41					
Jul 30 .....	.....	.....	87	91	46	53					
Aug 6 .....	.....	.....	93	96	58	68	8	7			
Aug 13 .....	.....	.....	98	99	80	81	10	10			
Aug 20 .....	.....	.....	.....	.....	88	88	12	14			
Aug 27 .....	.....	.....	.....	.....	93	93	18	20			
Sep 3 .....	.....	.....	.....	.....	96	97	25	30			
Sep 10 .....	.....	.....	.....	.....	.....	.....	34	40	9	4	
Sep 17 .....	.....	.....	.....	.....	.....	.....	44	51	11	6	
Sep 24 .....	.....	.....	.....	.....	.....	.....	57	61	14	9	
Oct 1 .....	.....	.....	.....	.....	.....	.....	67	70	17	13	
Oct 8 .....	.....	.....	.....	.....	.....	.....	72	78	25	19	
Oct 15 .....	.....	.....	.....	.....	.....	.....	82	86	31	26	
Oct 22 .....	.....	.....	.....	.....	.....	.....	87	91	37	35	
Oct 29 .....	.....	.....	.....	.....	.....	.....	93	95	46	45	
Nov 5 .....	.....	.....	.....	.....	.....	.....	96	98	54	55	
Nov 12 .....	.....	.....	.....	.....	.....	.....	.....	.....	64	64	
Nov 19 .....	.....	.....	.....	.....	.....	.....	.....	.....	74	72	
Nov 26 .....	.....	.....	.....	.....	.....	.....	.....	.....	79	80	

Week-ending date	Barley							Oats							
	Planted		Emerg		Headed		Harvested	Planted		Emerg		Headed		Harvested	
	2017	Avg	2017	Avg	2017	Avg	2017	2017	Avg	2017	Avg	2017	Avg	2017	Avg
2017:															
Apr 2 .....	.....	.....	.....	.....	.....	.....	.....	28	34	25	29				
Apr 9	9	16	.....	.....	.....	.....	.....	33	41	26	31				
Apr 16	13	28	.....	.....	.....	.....	.....	45	52	29	35				
Apr 23	27	40	7	10	.....	.....	.....	57	62	37	41				
Apr 30	32	53	14	21	.....	.....	.....	67	70	47	50				
May 7	53	68	26	35	.....	.....	.....	79	79	59	60				
May 14	78	79	42	50	.....	.....	.....	91	87	72	71				
May 21	88	87	59	64	.....	.....	.....	95	93	83	81	26	28		
May 28	94	93	76	77	.....	.....	.....	.....	.....	91	89	29	32		
Jun 4	99	96	84	87	.....	.....	.....	.....	.....	96	94	35	38		
Jun 11 .....	.....	.....	91	93	.....	.....	.....	.....	.....	.....	.....	44	48		
Jun 18 .....	.....	.....	97	96	10	19	.....	.....	.....	.....	.....	60	60		
Jun 25 .....	.....	.....	.....	.....	27	38	.....	.....	.....	.....	.....	73	74		
Jul 2 .....	.....	.....	.....	.....	51	57	.....	.....	.....	.....	.....	85	84		
Jul 9 .....	.....	.....	.....	.....	72	78	.....	.....	.....	.....	.....	93	92	10	13
Jul 16 .....	.....	.....	.....	.....	89	91	.....	.....	.....	.....	.....	97	96	14	20
Jul 23 .....	.....	.....	.....	.....	97	97	.....	.....	.....	.....	.....	.....	.....	24	31
Jul 30 .....	.....	.....	.....	.....	.....	.....	.....	6	9	.....	.....	.....	.....	35	45
Aug 6 .....	.....	.....	.....	.....	.....	.....	.....	25	22	.....	.....	.....	.....	50	59
Aug 13 .....	.....	.....	.....	.....	.....	.....	.....	52	40	.....	.....	.....	.....	66	72
Aug 20 .....	.....	.....	.....	.....	.....	.....	.....	70	58	.....	.....	.....	.....	78	83
Aug 27 .....	.....	.....	.....	.....	.....	.....	.....	83	73	.....	.....	.....	.....	86	90
Sep 3 .....	.....	.....	.....	.....	.....	.....	.....	92	84	.....	.....	.....	.....	91	94
Sep 10 .....	.....	.....	.....	.....	.....	.....	.....	96	93	.....	.....	.....	.....	96	97

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2017 crop and 5-year average—Continued
[In percent]

Week-ending date	Sugarbeets				Sunflower			
	Planted		Harvested		Planted		Harvested	
	2017	Avg	2017	Avg	2017	Avg	2017	Avg
2017:								
Apr 9	5	10						
Apr 16	19	28						
Apr 23	36	44						
Apr 30	48	60						
May 7	74	70						
May 14	96	81						
May 21					20	14		
May 28					41	29		
Jun 4					61	44		
Jun 11					80	63		
Jun 18					93	77		
Jun 25					97	89		
Sep 10			6	6				
Sep 17			10	9				
Sep 24			15	13				
Oct 1			22	23				
Oct 8			42	44			6	12
Oct 15			65	65			12	24
Oct 22			74	76			30	39
Oct 29			87	86			53	54
Nov 5			92	93			70	68
Nov 12			97	97			81	79
Nov 19							88	87
Nov 26							93	93

Week-ending date	Peanuts					
	Planted		Pegging		Harvested	
	2017	Avg	2017	Avg	2017	Avg
2017:						
Apr 23	4	4				
Apr 30	12	10				
May 7	25	22				
May 14	43	39				
May 21	67	59				
May 28	79	78				
Jun 4	91	89				
Jun 11	95	95				
Jun 18						
Jun 25						
Jul 2						
Jul 9			13	12		
Jul 16			31	24		
Jul 23			45	37		
Jul 30			60	53		
Aug 6			69	67		
Aug 13			80	78		
Sep 10			87	86		
Sep 17			91	92		
Sep 24			95	96		
Oct 1					3	3
Oct 8					6	7
Oct 15					12	12
Oct 22					25	21
Oct 29					39	32
Nov 5					51	46
Nov 12					63	61
Nov 19					74	73
Nov 26					82	83
Dec 3					92	90
Dec 10					95	95

NASS, Crops Branch, (202) 720-2127.

Appendix I

Telephone Contact List

Appreciation is expressed to the following agencies for their help in this publication. The information offices are listed to provide help to those users who require additional information about specific tables in this publication.

Agricultural Marketing Service: USDA/AMS Room 2619 South Bldg. Washington, DC 20250 202-720-8998	Foreign Agricultural Service: USDA/FAS Room 5076 South Bldg. Washington, DC 20250 202-720-7115
Agricultural Research Service: USDA/ARS 5601 Sunnyside Ave Bldg 1, Rm 2251 Beltsville, MD 20705-5128 301-504-1636	Forest Service: USDA/FS 2nd Floor Central Wing, Yates Bldg. Washington, DC 20250 202-205-8333
Animal and Plant Health Inspection Service: USDA/APHIS 4700 River Rd Riverdale, MD 20737 301-851-4100	National Agricultural Statistics Service: USDA/NASS Room 5038 South Bldg. Washington, DC 20250 202-720-3878
Center for Nutrition Policy and Promotion: USDA/CNPP 3101 Park Center Drive Alexandria, VA 22302 703-305-7600	National Marine Fisheries Service: USDC/NOAA/NMFS 1315 East/West Highway, SSMC III - Room 12405 Silver Spring, MD 20910-3282 301-427-8103
Economic Research Service: USDA/ERS 355 E Street, S.W. Washington, DC 20024-3221 202-694-5050	Natural Resources Conservation Service: USDA/NRCS Room 6121 South Bldg. Washington, DC 20250 202-720-2182
Farm Credit Administration: FCA 1501 Farm Credit Dr. McLean, VA 22102 703-883-4056	Risk Management Agency: USDA/RMA Room 403 Kansas City, MO 64133-4675 816-926-1805
Farm Service Agency: USDA/FSA Room 4078 South Bldg. Washington, DC 20250 202-720-7163	Rural Business-Cooperatives Service: USDA/RECD/RBS Room 4801 South Bldg. Washington, DC 20250 202-720-1019
Food and Nutrition Service: USDA/FNS 3101 Park Center Drive, Room 914 Alexandria, VA 22302 703-305-2062	Rural Utilities Service: USDA/RD/RUS Stop 1510, Room 5135 1400 Independence Avenue, SW Washington, DC 20250 202-720-9540

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