
UNITED STATES
DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL STATISTICS SERVICE

**AGRICULTURAL
STATISTICS
2017**

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 2017

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Agricultural Statistics 2017

Agricultural Statistics, 2017 was prepared under the direction of Jackie Ross, Secretary of the Agricultural Statistics Board, National Agricultural Statistics Service. Carolyne Foster, Phoebe Hilliard, Sherrie Pendarvis, and Tanya Ray were responsible for coordination and technical editorial work.

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/>.

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We gratefully acknowledge the cooperation of the contributors to this publication. Source notes below each table credit the various Government agencies which collaborated in providing information.

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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 2007 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-percent 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 1/2 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:			
Peanuts, unshelled:				Syrup			
Virginia type	Bushel	17	7.7	(sulfured or un-sulfured)	Gallon	11.45	5.2
Runners, South-eastern	do	21	9.5	Sunflower seed	Bushel	24-32	10.9-14.5
				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-	.....do	25	11.3
Cigar-leaf	Case	250-365	113-166	dium size			
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, 4½ 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, 4½ 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, 2007–2016¹

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>
2007	49.9	412.0	7.3	469.1	307.2	107.6	414.8	54.3
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	432.0	14.8	435.1	348.8	84.6	433.3	69.6
2015	69.6	467.5	13.1	509.6	349.8	.....	432.8	76.8
2016	76.8	443.5	11.4	560.0	368.2	.....	463.8	96.3

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, 2007–2016

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>
2007	60,460	50,999	40.2	2,051,088	6.48	13,289,326
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	9,104,215

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, 2007–2016

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>
2007	45,012	35,938	41.7	1,499,241	6.13	9,077,574
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	6,109,342
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>
2007	2,156	2,119	34.1	72,224	9.92	692,512
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	621,267
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>
2007	13,292	12,942	37.1	479,623	7.16	3,519,240
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	2,373,606

¹Seeded in preceding fall for winter wheat. ²Obtained by weighting State prices by quantity sold. ³Includes 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, 2007–2016

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>
2007	495,000	289,540	91,990	25,635	1,221,927	842,398	617,280	280,183
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	1,506,042	1,307,265	988,915
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>
2007	34,700	17,600	8,100	2,350	35,764	22,170	17,058	5,938
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	23,696	20,550	17,953

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, 2012–2016¹

Item	Year beginning June				
	2012	2013	2014	2015	2016
	<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	743	718	590	752	976
Production	2,252	2,135	2,026	2,062	2,310
Supply ²	3,119	3,025	2,768	2,927	3,403
Exports ³	1,012	1,176	864	778	1,055
Domestic disappearance	1,389	1,259	1,151	1,174	1,164
Stocks, May 31	718	590	752	976	1,184
Hard red winter:					
Stocks, June 1	317	343	237	294	446
Production	998	747	739	830	1,082
Supply ²	1,333	1,109	985	1,130	1,532
Exports ³	382	446	272	227	455
Domestic disappearance	608	426	419	458	484
Stocks, May 31	343	237	294	446	593
Soft red winter:					
Stocks, June 1	185	124	113	154	157
Production	413	568	455	359	345
Supply ²	616	713	581	531	535
Exports ³	194	283	134	120	92
Domestic disappearance	297	318	293	254	228
Stocks, May 31	124	113	154	157	215
Hard red spring:					
Stocks, June 1	151	165	169	212	272
Production	503	491	556	568	493
Supply ²	698	733	792	828	807
Exports ³	233	246	274	254	321
Domestic disappearance	301	318	306	302	251
Stocks, May 31	165	169	212	272	235
Durum:					
Stocks, June 1	25	23	22	26	28
Production	82	58	54	84	104
Supply ²	145	129	126	143	162
Exports ³	29	32	37	29	24
Domestic disappearance	93	76	64	86	102
Stocks, May 31	23	22	26	28	36
White:					
Stocks, June 1	64	63	50	67	74
Production	257	271	224	221	286
Supply ²	328	341	283	294	367
Exports ³	175	170	147	147	163
Domestic disappearance	90	120	69	73	98
Stocks, May 31	63	50	67	74	105

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, 2007–2016

Year beginning June	Supply				Disappearance						Ending stocks May 31
	Beginning stocks	Production	Imports ¹	Total	Domestic use				Exports 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
2007	456	2,051	113	2,620	948	88	16	1,051	1,263	2,314	306
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	2,310	118	3,403	949	61	154	1,164	1,055	2,219	1,184

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, 2014–2016

State	Area planted ¹			Area harvested		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	255	260	230	225	220	170
Arizona	85	160	111	83	152	103
Arkansas	465	350	195	395	240	115
California	530	520	480	220	235	217
Colorado	2,759	2,458	2,361	2,358	2,197	2,200
Delaware	80	70	70	75	65	65
Florida	15	25	25	10	15	17
Georgia	300	215	180	230	145	110
Idaho	1,271	1,220	1,190	1,196	1,155	1,125
Illinois	740	540	520	670	520	470
Indiana	390	290	330	335	260	280
Iowa	26	20	25	15	15	17
Kansas	9,600	9,200	8,500	8,800	8,700	8,200
Kentucky	630	560	510	510	440	400
Louisiana	160	110	25	150	92	20
Maryland	340	355	360	250	270	260
Michigan	550	510	610	470	475	570
Minnesota	1,262	1,532	1,321	1,212	1,473	1,268
Mississippi	230	150	65	215	120	50
Missouri	880	760	690	740	610	570
Montana	5,985	5,620	5,130	5,650	5,365	4,975
Nebraska	1,550	1,490	1,370	1,450	1,210	1,310
Nevada	21	12	15	10	8	9
New Jersey	33	27	25	25	20	21
New Mexico	380	385	345	105	190	210
New York	120	120	120	95	110	115
North Carolina	830	650	420	770	570	355
North Dakota	7,960	7,990	7,590	7,490	7,915	7,405
Ohio	620	520	580	545	480	560
Oklahoma	5,300	5,300	5,000	2,800	3,800	3,500
Oregon	830	835	810	818	828	797
Pennsylvania	185	195	190	150	175	150
South Carolina	230	170	60	220	160	50
South Dakota	2,514	2,756	2,270	2,364	2,236	2,157
Tennessee	530	455	400	475	395	335
Texas	6,000	6,100	5,000	2,250	3,550	2,800
Utah	130	135	129	117	128	120
Virginia	290	260	210	260	210	175
Washington	2,320	2,290	2,240	2,250	2,225	2,200
West Virginia	10	9	7	7	4	4
Wisconsin	295	230	270	250	210	250
Wyoming	140	145	140	125	130	125
United States	56,841	54,999	50,119	46,385	47,318	43,850

See footnote(s) at end of table.

Table 1-7.—All Wheat: Area, yield, and production, by State and United States, 2014–2016—Continued

State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
Alabama	69.0	68.0	70.0	15,525	14,960	11,900
Arizona	110.1	101.0	97.8	9,136	15,356	10,073
Arkansas	63.0	56.0	54.0	24,885	13,440	6,210
California	83.4	79.1	79.7	18,350	18,595	17,302
Colorado	38.1	37.1	48.2	89,812	81,485	106,000
Delaware	72.0	65.0	67.0	5,400	4,225	4,355
Florida	39.0	43.0	30.0	390	645	510
Georgia	49.0	43.0	46.0	11,270	6,235	5,060
Idaho	78.4	77.4	91.4	93,717	89,370	102,795
Illinois	67.0	65.0	74.0	44,890	33,800	34,780
Indiana	76.0	68.0	81.0	25,460	17,680	22,680
Iowa	49.0	52.0	63.0	735	780	1,071
Kansas	28.0	37.0	57.0	246,400	321,900	467,400
Kentucky	71.0	73.0	80.0	36,210	32,120	32,000
Louisiana	62.0	39.0	45.0	9,300	3,588	900
Maryland	70.0	64.0	64.0	17,500	17,280	16,640
Michigan	74.0	81.0	89.0	34,780	38,475	50,730
Minnesota	54.8	59.9	59.0	66,468	88,294	74,828
Mississippi	58.0	48.0	48.0	12,470	5,760	2,400
Missouri	58.0	53.0	70.0	42,920	32,330	39,900
Montana	37.1	35.1	42.4	209,470	188,515	210,875
Nebraska	49.0	38.0	54.0	71,050	45,980	70,740
Nevada	105.0	81.3	72.3	1,050	650	651
New Jersey	53.0	50.0	64.0	1,325	1,000	1,344
New Mexico	28.0	25.0	22.0	2,940	4,750	4,620
New York	63.0	63.0	74.0	5,985	6,930	8,510
North Carolina	58.0	53.0	41.0	44,660	30,210	14,555
North Dakota	46.3	46.7	45.0	347,068	370,023	332,978
Ohio	74.0	67.0	80.0	40,330	32,160	44,800
Oklahoma	17.0	26.0	39.0	47,600	98,800	136,500
Oregon	54.3	47.3	50.1	44,444	39,195	39,937
Pennsylvania	65.0	65.0	68.0	9,750	11,375	10,200
South Carolina	52.0	46.0	43.0	11,440	7,360	2,150
South Dakota	55.5	46.2	51.6	131,260	103,406	111,281
Tennessee	66.0	68.0	73.0	31,350	26,860	24,455
Texas	30.0	30.0	32.0	67,500	106,500	89,600
Utah	50.3	48.5	59.9	5,882	6,207	7,184
Virginia	68.0	66.0	53.0	17,680	13,860	9,275
Washington	48.2	50.3	71.5	108,460	111,900	157,290
West Virginia	64.0	60.0	61.0	448	240	244
Wisconsin	65.0	74.0	79.0	16,250	15,540	19,750
Wyoming	38.0	32.0	34.0	4,750	4,160	4,250
United States	43.7	43.6	52.7	2,026,310	2,061,939	2,308,723

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, 2014–2016

State	Area planted ¹			Area harvested		
	2014	2015	2016	2014	2015	2016
	Winter wheat					
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	255	260	230	225	220	170
Arizona	8	5	14	7	2	7
Arkansas	465	350	195	395	240	115
California	490	450	425	190	170	170
Colorado	2,750	2,450	2,350	2,350	2,190	2,190
Delaware	80	70	70	75	65	65
Florida	15	25	25	10	15	17
Georgia	300	215	180	230	145	110
Idaho	780	760	770	730	710	720
Illinois	740	540	520	670	520	470
Indiana	390	290	330	335	260	280
Iowa	26	20	25	15	15	17
Kansas	9,600	9,200	8,500	8,800	8,700	8,200
Kentucky	630	560	510	510	440	400
Louisiana	160	110	25	150	92	20
Maryland	340	355	360	250	270	260
Michigan	550	510	610	470	475	570
Minnesota	42	52	11	32	43	8
Mississippi	230	150	65	215	120	50
Missouri	880	760	690	740	610	570
Montana	2,500	2,350	2,250	2,240	2,220	2,150
Nebraska	1,550	1,490	1,370	1,450	1,210	1,310
Nevada	15	8	10	9	6	6
New Jersey	33	27	25	25	20	21
New Mexico	380	385	345	105	190	210
New York	120	120	120	95	110	115
North Carolina	830	650	420	770	570	355
North Dakota	870	200	130	555	190	120
Ohio	620	520	580	545	480	560
Oklahoma	5,300	5,300	5,000	2,800	3,800	3,500
Oregon	750	740	720	740	735	710
Pennsylvania	185	195	190	150	175	150
South Carolina	230	170	60	220	160	50
South Dakota	1,210	1,420	1,180	1,080	970	1,100
Tennessee	530	455	400	475	395	335
Texas	6,000	6,100	5,000	2,250	3,550	2,800
Utah	120	125	120	109	119	112
Virginia	290	260	210	260	210	175
Washington	1,700	1,650	1,700	1,640	1,590	1,670
West Virginia	10	9	7	7	4	4
Wisconsin	295	230	270	250	210	250
Wyoming	140	145	140	125	130	125
United States	42,409	39,681	36,152	32,299	32,346	30,237
	Other spring wheat					
Colorado	9	8	11	8	7	10
Idaho	480	450	410	455	435	395
Minnesota	1,220	1,480	1,310	1,180	1,430	1,260
Montana	3,050	2,650	2,100	2,980	2,540	2,060
Nevada	6	4	5	1	2	3
North Dakota	6,250	6,700	6,000	6,140	6,650	5,850
Oregon	80	95	90	78	93	87
South Dakota	1,300	1,330	1,080	1,280	1,260	1,050
Utah	10	10	9	8	9	8
Washington	620	640	540	610	635	530
United States	13,025	13,367	11,555	12,740	13,061	11,253
	Durum wheat					
Arizona	77	155	97	76	150	96
California	40	70	55	30	65	47
Idaho	11	10	10	11	10	10
Montana	435	620	780	430	605	765
North Dakota	840	1,090	1,460	795	1,075	1,435
South Dakota	4	6	10	4	6	7
United States	1,407	1,951	2,412	1,346	1,911	2,360

See footnote(s) at end of table.

Table 1-8.—Wheat, by type: Area, yield, and production, by State and United States, 2014–2016—Continued

State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
Winter wheat						
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
Alabama	69.0	68.0	70.0	15,525	14,960	11,900
Arizona	100.0	103.0	95.0	700	206	665
Arkansas	63.0	56.0	54.0	24,885	13,440	6,210
California	80.0	70.0	78.0	15,200	11,900	13,260
Colorado	38.0	37.0	48.0	89,300	81,030	105,120
Delaware	72.0	65.0	67.0	5,400	4,225	4,355
Florida	39.0	43.0	30.0	390	645	510
Georgia	49.0	43.0	46.0	11,270	6,235	5,060
Idaho	80.0	82.0	94.0	58,400	58,220	67,680
Illinois	67.0	65.0	74.0	44,890	33,800	34,780
Indiana	76.0	68.0	81.0	25,460	17,680	22,680
Iowa	49.0	52.0	63.0	735	780	1,071
Kansas	28.0	37.0	57.0	246,400	321,900	467,400
Kentucky	71.0	73.0	80.0	36,210	32,120	32,000
Louisiana	62.0	39.0	45.0	9,300	3,588	900
Maryland	70.0	64.0	64.0	17,500	17,280	16,640
Michigan	74.0	81.0	89.0	34,780	38,475	50,730
Minnesota	49.0	58.0	61.0	1,568	2,494	488
Mississippi	58.0	48.0	48.0	12,470	5,760	2,400
Missouri	58.0	53.0	70.0	42,920	32,330	39,900
Montana	41.0	41.0	49.0	91,840	91,020	105,350
Nebraska	49.0	38.0	54.0	71,050	45,980	70,740
Nevada	110.0	90.0	75.0	990	540	450
New Jersey	53.0	50.0	64.0	1,325	1,000	1,344
New Mexico	28.0	25.0	22.0	2,940	4,750	4,620
New York	63.0	63.0	74.0	5,985	6,930	8,510
North Carolina	58.0	53.0	41.0	44,660	30,210	14,555
North Dakota	49.0	44.0	48.0	27,195	8,360	5,760
Ohio	74.0	67.0	80.0	40,330	32,160	44,800
Oklahoma	17.0	26.0	39.0	47,600	98,800	136,500
Oregon	55.0	47.0	50.0	40,700	34,545	35,500
Pennsylvania	65.0	65.0	68.0	9,750	11,375	10,200
South Carolina	52.0	46.0	43.0	11,440	7,360	2,150
South Dakota	55.0	44.0	58.0	59,400	42,680	63,800
Tennessee	66.0	68.0	73.0	31,350	26,860	24,455
Texas	30.0	30.0	32.0	67,500	106,500	89,600
Utah	50.0	48.0	60.0	5,450	5,712	6,720
Virginia	68.0	66.0	53.0	17,680	13,860	9,275
Washington	52.0	56.0	78.0	85,280	89,040	130,260
West Virginia	64.0	60.0	61.0	448	240	244
Wisconsin	65.0	74.0	79.0	16,250	15,540	19,750
Wyoming	38.0	32.0	34.0	4,750	4,160	4,250
United States	42.6	42.5	55.3	1,377,216	1,374,690	1,672,582
Other spring wheat						
Colorado	64.0	65.0	88.0	512	455	880
Idaho	76.0	70.0	87.0	34,580	30,450	34,365
Minnesota	55.0	60.0	59.0	64,900	85,800	74,340
Montana	35.0	31.0	36.0	104,300	78,740	74,160
Nevada	60.0	55.0	67.0	60	110	201
North Dakota	47.5	48.0	46.0	291,650	319,200	269,100
Oregon	48.0	50.0	51.0	3,744	4,650	4,437
South Dakota	56.0	48.0	45.0	71,680	60,480	47,250
Utah	54.0	55.0	58.0	432	495	464
Washington	38.0	36.0	51.0	23,180	22,860	27,030
United States	46.7	46.2	47.3	595,038	603,240	532,227
Durum wheat						
Arizona	111.0	101.0	98.0	8,436	15,150	9,408
California	105.0	103.0	86.0	3,150	6,695	4,042
Idaho	67.0	70.0	75.0	737	700	750
Montana	31.0	31.0	41.0	13,330	18,755	31,365
North Dakota	35.5	39.5	40.5	28,223	42,463	58,118
South Dakota	45.0	41.0	33.0	180	246	231
United States	40.2	44.0	44.0	54,056	84,009	103,914

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

Table 1-9.—Wheat: Support operations, United States, 2007–2016

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		
2007/2008 ...	0.52/0.00	2.75	3.92	36	1.8	0	0
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 ...	1.60	2.94	5.50	151	6.5	0.21	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 participate in the Average Crop Revenue (ACRE) program get 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 participate in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. ³ Target applies to 2006/2007-2013/2014 and Reference applies beginning with 2014/2015. ⁴ Percent of production is on a grain basis. ⁵ Acquisitions as of July 14, 2017. FSA, Food Grains, (202) 720-7787.

Table 1-10.—Wheat: Marketing year average price and value, by State and United States, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	5.95	5.15	4.45	92,374	77,044	52,955
Arizona	8.36	9.14	6.70	75,600	139,604	65,988
Arkansas	5.62	5.17	4.66	139,854	69,485	29,187
California	7.50	7.42	5.07	138,392	130,346	89,226
Colorado	5.88	4.29	3.08	528,491	350,235	328,776
Delaware	4.90	4.60	4.04	26,460	19,435	16,331
Florida	5.10	4.15	3.90	1,989	2,677	1,989
Georgia	5.35	4.60	4.05	60,295	28,681	21,505
Idaho	6.16	5.03	4.10	582,170	449,467	421,817
Illinois	4.98	3.85	4.09	223,552	130,130	142,598
Indiana	5.22	4.88	4.04	132,901	86,278	91,854
Iowa	5.81	3.69	3.60	4,270	2,878	3,856
Kansas	6.07	4.74	3.20	1,495,648	1,525,806	1,495,680
Kentucky	5.62	5.32	4.52	203,500	170,878	144,000
Louisiana	6.10	4.50	4.25	56,730	16,146	3,825
Maryland	4.90	4.60	4.04	85,750	79,488	62,400
Michigan	5.74	5.61	4.15	199,637	215,845	210,530
Minnesota	5.48	4.69	4.69	363,900	413,934	328,560
Mississippi	5.75	5.06	4.47	71,703	29,146	10,920
Missouri	5.36	4.12	3.99	230,051	133,200	159,600
Montana	6.23	4.83	4.43	1,298,295	924,768	948,471
Nebraska	5.77	4.45	3.14	409,959	204,611	219,294
Nevada	6.20	5.23	4.05	6,426	3,402	2,632
New Jersey	4.80	4.70	4.15	6,360	4,700	5,443
New Mexico	6.32	4.84	3.30	18,581	22,990	14,883
New York	5.61	5.32	4.29	33,576	36,868	34,466
North Carolina	5.16	4.90	4.61	230,446	148,029	66,953
North Dakota	5.74	4.80	4.68	1,956,030	1,777,081	1,544,508
Ohio	5.60	4.57	4.25	225,848	146,971	188,160
Oklahoma	6.34	4.77	3.44	301,784	471,276	470,925
Oregon	6.78	5.39	4.53	300,311	211,182	185,929
Pennsylvania	6.06	5.33	4.64	59,085	60,629	43,860
South Carolina	4.80	4.50	4.34	54,912	33,120	9,353
South Dakota	5.54	4.58	4.15	727,517	466,707	439,628
Tennessee	5.63	5.22	4.64	176,501	140,209	113,716
Texas	6.40	4.71	3.54	432,000	501,615	318,080
Utah	7.07	5.18	4.30	41,040	30,711	27,138
Virginia	5.74	5.45	4.75	101,483	75,537	44,056
Washington	6.55	5.35	4.16	714,858	599,904	662,214
West Virginia	5.70	5.40	4.80	2,554	1,296	1,171
Wisconsin	4.75	4.40	3.51	77,188	68,376	68,138
Wyoming	5.67	4.24	3.22	26,933	17,638	13,600
United States	5.99	4.89	3.89	11,914,954	10,018,323	9,104,215

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

Table 1-11.—International Wheat: Area, yield, and production in specified countries, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016
	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
Australia	12,613	12,155	12,750	2.01	1.90	1.92	25,303	23,076	24,500
Canada	10,442	9,480	9,600	3.59	3.10	2.88	37,530	29,420	27,600
China	24,117	24,069	24,140	5.06	5.24	5.39	121,930	126,208	130,190
European Union ...	25,884	26,783	26,846	5.59	5.85	5.90	144,585	156,656	158,457
India	30,003	30,473	30,600	3.12	3.15	2.83	93,506	95,850	86,530
Iran	6,400	6,800	6,800	2.27	1.91	2.06	14,500	13,000	14,000
Pakistan	8,660	9,199	9,180	2.80	2.82	2.78	24,211	25,979	25,478
Russia	23,399	23,636	25,600	2.23	2.50	2.38	52,091	59,080	61,000
Turkey	7,700	7,710	7,860	2.44	1.98	2.48	18,750	15,250	19,500
Ukraine	6,566	6,300	7,100	3.39	3.93	3.84	22,278	24,750	27,250
Others	45,711	45,501	44,744	2.24	2.22	2.28	102,567	101,055	101,971
Total foreign	201,495	202,106	205,220	3.26	3.32	3.30	657,251	670,324	676,476
United States	18,345	18,771	19,058	3.17	2.94	2.93	58,105	55,147	55,840
Total	219,840	220,877	224,278	3.25	3.28	3.27	715,356	725,471	732,316

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, 2007–2016

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
2007	85,806	10,710	16,115	112,631
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

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	2,250	5,301	7,000
Australia	18,615	16,605	17,000
Brazil	80	1,691	1,300
Canada	23,270	24,116	22,000
European Union	32,032	35,418	32,500
Kazakhstan	8,100	5,539	6,500
Mexico	1,322	1,104	1,100
Russia	18,568	22,800	23,000
Turkey	4,441	4,062	4,700
Ukraine	9,755	11,269	15,500
Others	15,476	12,986	11,042
Total Foreign	133,909	140,891	141,642
United States	32,001	23,249	21,092
Total	165,910	164,140	162,734
Principle importing countries:			
Algeria	7,484	7,257	7,700
Brazil	7,066	5,374	6,500
Egypt	10,170	11,063	11,000
European Union	3,976	5,975	6,300
Indonesia	7,392	7,478	8,100
Japan	6,123	5,878	5,700
Korea, South	4,288	3,942	4,500
Mexico	4,636	4,446	4,400
Nigeria	4,580	4,244	4,400
Philippines	3,482	5,099	4,300
Others	94,463	93,932	94,176
Total Foreign	153,660	154,688	157,076
United States	4,710	4,068	3,266
Total	158,370	158,756	160,342

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, 2014–2016

Country of destination	Year		
	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Wheat:			
Mexico	2,928,478	2,609,799	2,763,704
Japan	2,975,729	2,765,612	2,721,679
Philippines	2,350,577	2,021,012	2,613,306
Brazil	2,494,135	441,088	1,254,817
Taiwan	1,043,554	1,048,476	1,094,375
Korea, South	1,419,804	1,124,398	1,088,612
Nigeria	2,224,855	1,899,653	1,073,620
Indonesia	922,669	428,307	961,075
China	574,676	548,765	900,689
Colombia	738,091	684,416	837,779
Thailand	495,779	754,849	653,207
Morocco	9,669	20,132	539,763
Guatemala	463,559	547,491	510,442
Ethiopia(*)	177,779	248,800	492,817
Yemen(*)	322,882	389,013	463,365
Peru	570,375	375,799	434,567
Chile	339,066	260,143	427,191
Italy(*)	497,580	792,226	420,629
Venezuela	574,102	274,546	409,530
Rest of World	4,291,430	4,014,762	4,102,997
World Total	25,414,789	21,249,287	23,764,164
Wheat flour:			
Mexico	110,368	156,323	206,844
Canada	98,097	111,512	122,196
Kenya	22,373	11,230	5,387
Dominican Republic	3,266	2,359	2,478
Netherlands Antilles(*)	3,305	1,695	1,995
Korea, South	4,630	3,432	1,772
Sweden	1,903	1,473	1,723
Tanzania	0	2,400	1,300
Djibouti	800	1,558	1,295
Bahamas, The	1,591	1,511	1,256
Malaysia	629	674	1,043
Leeward-Windward Islands(*)	1,299	868	989
Venezuela	0	0	715
United Arab Emirates	569	1,006	594
Trinidad and Tobago	501	385	574
China	270	601	442
Brazil	160	237	432
Panama	153	50	401
Japan	40	19	364
Rest of World	8,707	11,692	4,709
World Total	258,660	309,025	356,509

(*) 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, 2007–2016

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
2007	1,334	252	25.0	6,311	5.01	31,604
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	69,237

¹ Area planted in preceding fall. NASS, Crops Branch, (202) 720–2127.

Table 1-16.—Rye: Supply and disappearance, United States, 2007–2016

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			
2007 ..	481	6,311	7,064	13,856	3,300	3,000	3,000	3,909	13,209	251	13,460	396
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	3,660	3,000	3,060	9,900	19,620	176	19,796	698

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, 2014–2016

State	Area planted ¹			Area harvested		
	2014	2015	2016	2014	2015	2016
	<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	170	210	200	20	30	30
Oklahoma	240	250	260	55	85	75
Other States ²	1,024	1,124	1,431	183	250	309
United States	1,434	1,584	1,891	258	365	414

State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	<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	27.0	14.0	21.0	540	420	630
Oklahoma	9.0	24.0	25.0	495	2,040	1,875
Other States ²	33.6	36.6	35.4	6,154	9,156	10,946
United States	27.9	31.8	32.5	7,189	11,616	13,451

¹ Includes area planted preceding fall. ² Other States: For 2015 Other States include Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin. For 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, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	7.75	6.65	5.85	4,185	2,793	3,843
Oklahoma	11.80	8.65	7.00	5,841	17,646	13,125
Other States ¹	7.41	6.01	4.84	45,613	55,058	52,269
United States	7.74	6.50	5.12	55,639	75,497	69,237

¹ Other States: For 2015 Other States include Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin. For 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, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016
	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	35	51	32	1.49	1.90	1.91	52	97	61
Australia	35	35	36	0.57	0.57	0.61	20	20	22
Belarus	322	320	325	2.01	2.71	2.46	648	867	800
Canada	87	88	95	2.56	2.48	2.37	223	218	225
European Union ...	2,577	2,114	2,014	3.94	4.19	3.95	10,151	8,858	7,960
Kazakhstan	39	43	38	1.10	1.42	0.97	43	61	37
Norway	3	3	3	3.67	4.00	4.00	11	12	12
Russia	1,777	1,853	1,250	1.89	1.77	1.68	3,360	3,279	2,100
Turkey	140	140	140	2.50	2.50	2.50	350	350	350
Ukraine	279	185	150	2.29	2.57	2.60	638	475	390
Others	38	38	37	1.37	1.34	1.35	52	51	50
Total Foreign	5,332	4,870	4,120	2.92	2.93	2.91	15,548	14,288	12,007
United States	113	104	146	1.72	1.76	2.00	194	183	292
Total	5,445	4,974	4,266	2.89	2.91	2.88	15,742	14,471	12,299

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, 2013/2014–2015/2016 ²

Country	2013/2014	2014/2015	2015/2016
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Belarus	5	5	5
Canada	118	86	100
European Union	169	184	150
Russia	73	114	80
Ukraine	51	22	20
Others			
Total Foreign	416	411	355
United States	7	6	5
Total	423	417	360
Principle importing countries:			
European Union	77	102	70
Israel	33	25	25
Japan	37	22	25
Korea, South	8	4	10
Norway	17	8	15
Russia	5	5	5
Switzerland	6	6	5
Others	1	5	
Total Foreign	184	177	155
United States	234	237	229
Total	418	414	384

¹Flour and products reported in terms of grain equivalent. ²Year 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, 2007–2016

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>
2007	2,761	2,748	7,219	198,388	12.80	2,600,871
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	2,370,845

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

Table 1-22.—Rice, rough: Stocks on and off farms, United States, 2007–2016

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>
2007	52,420	28,015	1,220	97,706	76,145	33,713
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

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, 2007–2016**

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>
2007	2,052	630	66	6,980	8,105	6,197	143,235	51,063	4,090
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

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

Table 1-24.—Rice, rough, by length of grain: Stocks in all positions, United States, 2007–2016

Year beginning previous December	Dec. 1	Mar. 1	Jun. 1 ¹	Aug. 1	Oct. 1 ²
Long grain					
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2007	109,301	76,127	.....	25,738	77
2008	103,620	69,207	35,580	16,101	(³)
2009	96,994	64,226	34,293	17,698	372
2010	103,430	67,910	37,041	19,532	(³)
2011	123,521	86,864	54,636	32,847	(³)
2012	93,027	68,469	37,552	22,034	(³)
2013	99,111	69,313	(NA)	19,439	(³)
2014	85,149	56,125	31,622	14,010	(³)
2015	106,786	71,243	42,295	23,917	(³)
2016	91,814	66,307	36,305	19,801	(³)
Medium grain					
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2007	37,225	25,857	.....	8,372	2,506
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	50,582	40,718	26,960	18,347	3,732
Short grain					
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2007	3,600	2,176	.....	823	412
2008	3,925	2,755	1,554	1,079	(³)
2009	3,618	2,347	1,301	872	522
2010	3,912	2,676	2,023	1,317	(³)
2011	3,112	2,203	1,410	972	(³)
2012	2,907	2,044	1,282	945	(³)
2013	3,575	2,398	(NA)	1,024	(³)
2014	3,336	2,348	1,435	963	(³)
2015	2,657	1,720	1,057	687	(³)
2016	2,653	1,737	999	597	(³)

(NA) Not available. ¹Estimates began in 2008. ²California only. ³Not 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	
	Million cwt	Million cwt	Million cwt	Million cwt	Million cwt	Million cwt	Million cwt	Million cwt	Million cwt	
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. ²Trade data from Bureau of the Census. ³The 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, 2014–2016

State	Area harvested			Yield per acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
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	1,265	1,050	1,390	7,570	7,380	6,940	95,761	77,490	96,466
California	4	7	9	7,300	6,700	7,300	292	469	657
Louisiana	393	351	405	7,150	6,990	6,660	28,100	24,535	26,973
Mississippi	189	149	194	7,420	7,110	7,180	14,024	10,594	13,929
Missouri	207	167	225	6,830	7,040	6,640	14,138	11,757	14,940
Texas	138	124	180	7,500	6,900	7,500	10,350	8,556	13,500
United States	2,196	1,848	2,403	7,407	7,219	6,927	162,665	133,401	166,465
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	214	240	130	7,540	7,150	6,760	16,136	17,160	8,788
California	402	382	485	8,800	9,100	9,000	35,376	34,762	43,650
Louisiana	69	64	23	7,020	6,650	6,160	4,844	4,256	1,417
Mississippi	1	-	-	7,200	-	-	72	-	-
Missouri	6	7	6	6,700	6,500	6,860	402	455	412
Texas	8	6	7	4,900	6,800	3,800	392	408	266
United States	700	699	651	8,175	8,160	8,377	57,222	57,041	54,533
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	36	37	42	6,300	7,150	7,350	2,268	2,646	3,087
United States	37	38	43	6,292	7,121	7,319	2,328	2,706	3,147

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, 2014–2016

State	Area planted			Area harvested		
	2014	2015	2016	2014	2015	2016
	<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	1,486	1,311	1,546	1,480	1,291	1,521
California	445	429	541	442	426	536
Louisiana	466	420	437	462	415	428
Mississippi	191	150	195	190	149	194
Missouri	216	182	236	213	174	231
Texas	150	133	195	146	130	187
United States	2,954	2,625	3,150	2,933	2,585	3,097
State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	<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	7,560	7,340	6,920	111,957	94,710	105,314
California	8,580	8,890	8,840	37,936	37,877	47,394
Louisiana	7,130	6,940	6,630	32,944	28,791	28,390
Mississippi	7,420	7,110	7,180	14,096	10,594	13,929
Missouri	6,830	7,020	6,650	14,540	12,212	15,352
Texas	7,360	6,900	7,360	10,742	8,964	13,766
United States	7,576	7,472	7,237	222,215	193,148	224,145

NASS, Crops Branch, (202) 720–2127.

Table 1-28.—Rice: Marketing year average price and value, by State and United States, 2014–2016

State	Marketing year average price per cwt.			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	12.00	10.90	9.39	1,343,484	1,032,339	995,217
California	21.80	18.40	14.30	827,005	696,937	649,298
Louisiana	12.90	11.40	10.20	424,978	328,217	298,095
Mississippi	12.20	11.00	9.55	171,971	116,534	133,718
Missouri	11.00	11.20	9.92	159,940	136,774	145,844
Texas	13.80	12.40	10.40	148,240	111,154	148,673
United States	13.40	12.20	10.40	3,075,618	2,421,955	2,370,845

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

Table 1-29.—Rice, milled, by length of grain: Stocks in all positions, United States, 2007–2016

Year beginning previous December	Whole kernels (head rice)				
	Dec. 1	Mar. 1	Jun. 1 ¹	Aug. 1	Oct. 1 ²
	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>
2007	2,803	2,454	.....	1,989	(3)
2008	2,638	2,546	2,015	2,065	(3)
2009	2,504	2,300	3,251	1,658	(3)
2010	2,022	2,370	2,043	2,511	(3)
2011	2,665	3,038	3,291	1,924	(3)
2012	2,699	1,856	1,906	1,550	1
2013	2,574	3,144	(NA)	1,704	(3)
2014	3,348	2,379	(4)	1,556	(3)
2015	2,308	1,952	2,523	1,792	(3)
2016	2,716	2,616	3,463	2,022	(3)
	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>
2007	653	792	.....	536	(3)
2008	958	1,735	850	508	(3)
2009	1,531	978	823	689	(3)
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	(3)
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
	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>
2007	55	98	.....	48	(3)
2008	92	69	78	59	(3)
2009	80	69	57	51	36
2010	73	74	47	60	(3)
2011	97	62	53	45	(3)
2012	199	49	60	38	69
2013	99	64	(NA)	61	28
2014	58	48	(3)	47	(3)
2015	51	59	54	37	(3)
2016	75	62	41	40	(3)

See footnote(s) at end of table.

Table 1-29.—Rice, milled, by length of grain: Stocks in all positions, United States, 2007–2016—Continued

Year beginning previous December	Broken kernels ⁴				
	Dec. 1	Mar. 1	Jun. 1 ¹	Aug. 1	Oct. 1 ²
	Second heads				
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2007	240	562	.....	307	(3)
2008	853	852	906	488	(3)
2009	661	794	828	1,465	(3)
2010	1,374	707	961	670	(3)
2011	888	634	817	992	(3)
2012	1,037	1,021	778	870	(3)
2013	1,231	1,225	(NA)	1,104	(3)
2014	1,243	1,064	1,159	797	(3)
2015	727	1,663	1,227	1,120	(3)
2016	1,385	1,550	1,634	1,436	(3)
	Screenings				
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2007	90	(4)	.....	81	.....
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	.....
	Brewers				
	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt	1,000 cwt
2007	163	(3)	.....	150	(3)
2008	533	239	379	249	(3)
2009	437	527	704	211	(3)
2010	662	252	247	247	(3)
2011	799	647	673	786	(3)
2012	710	551	532	573	(3)
2013	1,241	1,189	(NA)	384	(3)
2014	575	651	589	747	(3)
2015	748	941	1,153	141	(3)
2016	734	387	678	551	(3)

(NA) Not available. ¹ Estimates began in 2008. ² California only; included in Second heads. ³ Not published to avoid disclosing individual operations. ⁴ Screenings included in second heads in California.
NASS, Crops Branch, (202) 720-2127.

Table 1-30.—Rice, rough: Support operations, United States, 2013–2016

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		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 cwt</i>	<i>Percent</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Long grain							
2013/2014	0.52/0.00	6.50	10.50	19.0	14.37	0	0
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	4.40	6.50	14.00	30.2	18.16	0	0
Medium grain ⁵							
2013/2014	0.52/0.00	6.50	10.50	17.1	29.50	0	0
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	4.00	6.50	14.00	17.6	30.59	0	0
Temperate Japonica ⁶							
2013/2014	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2014/2015	0	6.50	16.10	14.8	39.4	0	0
2015/2016	0	6.50	16.10	16.2	43.8	0	0
2016/2017	2.70	6.50	16.10	16.4	35.1	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 participate in the Average Crop Revenue (ACRE) program get 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. For 2016/2017, projected PLC payment rate is based on June 2017 WASDE MY price. 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. ³Target applies to 2012/2013-2013/2014 and Reference applies beginning with 2014/2015. ⁴Acquisitions as of June 30, 2017. ⁵Medium Grain includes all short grain rice and medium grain rice for the marketing assistance loan program. The quantity under loan for 2014/15 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 2014/15 crop. Prior to the 2014/15 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, 2014–2016¹

Country of destination	Year		
	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Mexico	738,921	821,334	856,419
Haiti	361,578	403,328	418,747
Japan	288,507	334,837	346,760
Venezuela	230,691	208,787	292,041
Honduras	160,544	196,137	270,925
El Salvador	77,609	49,933	264,739
Canada	253,089	228,144	221,923
Korea, South	35,141	156,193	163,586
Guatemala	90,939	103,297	148,708
Colombia	96,415	303,454	140,333
Saudi Arabia	101,319	115,900	123,471
Costa Rica	70,110	77,062	115,755
Jordan	89,042	90,205	102,180
Iraq	140,562	93,915	93,080
Libya	21,162	80,918	92,833
Turkey	244,502	107,233	78,121
Taiwan	50,979	57,014	60,224
Panama	24,809	110,833	45,907
United Kingdom	21,595	30,153	30,309
Rest of World	268,308	293,148	293,548
World Total ²	3,365,821	3,861,824	4,159,607

(*) Denotes a country that is a summarization of its component countries. ¹Year beginning Jan 1. ²Includes countries not shown. 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, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016	2013/2014	2014/2015	2015/2016
	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	11,750	11,790	12,000	4.39	4.39	4.33	34,390	34,500	34,600
Brazil	2,400	2,295	2,150	5.09	5.42	5.41	8,300	8,465	7,905
Burma	7,050	7,030	6,800	2.65	2.80	2.80	11,957	12,600	12,200
China	30,312	30,310	30,210	6.72	6.81	6.89	142,530	144,560	145,770
India	44,136	43,740	42,750	3.62	3.62	3.61	106,646	105,480	103,000
Indonesia	12,100	11,830	11,660	4.72	4.73	4.77	36,300	35,560	35,300
Japan	1,621	1,608	1,586	6.72	6.71	6.63	7,931	7,849	7,653
Philippines	4,800	4,705	4,650	3.92	4.02	3.93	11,858	11,915	11,500
Thailand	10,920	10,270	9,460	2.84	2.77	2.55	20,460	18,750	15,900
Vietnam	7,788	7,792	7,660	5.79	5.80	5.89	28,161	28,234	28,200
Others	27,857	28,128	27,742	2.29	2.27	2.27	63,773	63,739	62,956
Total Foreign	160,734	159,498	156,668	2.94	2.96	2.97	472,306	471,652	464,984
United States	999	1,187	1,042	8.62	8.49	8.37	6,117	7,106	6,107
Total	161,733	160,685	157,710	2.96	2.98	2.99	478,423	478,758	471,091

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Argentina	465	325	520
Brazil	819	930	830
Burma	1,688	1,750	1,800
Cambodia	1,000	1,150	900
Guyana	346	502	536
India	10,149	11,871	8,600
Pakistan	3,200	4,000	4,600
Thailand	10,969	9,779	10,000
Uruguay	890	800	950
Vietnam	6,325	6,606	7,000
Others	2,902	2,697	2,746
Total Foreign	38,753	40,410	38,482
United States	3,005	3,207	3,175
Total	41,758	43,617	41,657
Principle importing countries:			
China	4,000	4,700	5,000
European Union	1,530	1,703	1,550
Indonesia	1,225	1,198	2,000
Iran	1,600	1,350	1,450
Iraq	950	1,100	1,200
Malaysia	989	1,000	1,020
Nigeria	2,800	3,500	2,500
Philippines	1,200	1,800	2,000
Saudi Arabia	1,410	1,420	1,450
South Africa	1,144	980	1,080
Others	20,770	21,448	20,062
Total Foreign	37,618	40,199	39,312
United States	734	783	762
Total	38,352	40,982	40,074

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, 2007–2016¹

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
2007	6.85	7.06	6.27	11.33	7.01	6.24	7.29	5.96
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

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
2007	5.85	6.05	23.44	19.28	22.81	19.50	21.58
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

(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, 2007–2016

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
2007 ...	93,527	86,520	150.7	13,073,875	4.20	54,666,959	6,060	17.5	106,229
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	3.40	51,703,698	6,186	20.3	125,670

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

Table 1-36.—Corn: Area, yield, and production, by State and United States, 2014–2016

State	Area planted for all purposes			Area harvested for grain		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	300	260	330	285	245	315
Arizona	75	75	95	28	36	50
Arkansas	540	460	760	530	445	745
California	520	440	420	95	60	100
Colorado	1,150	1,100	1,340	1,010	950	1,170
Connecticut	26	26	25	(NA)	(NA)	(NA)
Delaware	175	170	170	168	164	164
Florida	75	80	80	40	50	40
Georgia	350	330	410	310	285	340
Idaho	320	280	340	80	70	100
Illinois	11,900	11,700	11,600	11,750	11,500	11,450
Indiana	5,900	5,650	5,600	5,770	5,480	5,470
Iowa	13,700	13,500	13,900	13,300	13,050	13,500
Kansas	4,050	4,150	5,100	3,800	3,920	4,920
Kentucky	1,520	1,400	1,500	1,430	1,310	1,400
Louisiana	400	400	620	390	390	550
Maine	31	31	31	(NA)	(NA)	(NA)
Maryland	500	440	460	430	380	400
Massachusetts	16	16	16	(NA)	(NA)	(NA)
Michigan	2,550	2,350	2,400	2,210	2,070	2,040
Minnesota	8,200	8,100	8,450	7,550	7,600	8,000
Mississippi	510	510	750	485	490	720
Missouri	3,500	3,250	3,650	3,380	3,080	3,500
Montana	130	105	115	75	50	55
Nebraska	9,300	9,400	9,850	8,950	9,150	9,550
Nevada	4	2	11	(NA)	(NA)	(NA)
New Hampshire	15	15	15	(NA)	(NA)	(NA)
New Jersey	85	80	80	79	72	71
New Mexico	125	125	120	48	40	41
New York	1,140	1,080	1,100	680	590	570
North Carolina	840	790	1,000	780	730	940
North Dakota	2,800	2,750	3,450	2,530	2,560	3,270
Ohio	3,700	3,550	3,550	3,470	3,260	3,300
Oklahoma	320	310	400	290	280	350
Oregon	80	65	80	39	30	39
Pennsylvania	1,460	1,340	1,400	1,030	940	950
Rhode Island	2	2	2	(NA)	(NA)	(NA)
South Carolina	295	295	375	280	260	350
South Dakota	5,800	5,400	5,600	5,320	5,030	5,130
Tennessee	920	780	880	840	730	830
Texas	2,250	2,300	2,900	1,990	1,970	2,550
Utah	75	65	80	28	17	29
Vermont	92	92	90	(NA)	(NA)	(NA)
Virginia	500	450	490	350	300	340
Washington	215	170	170	110	75	85
West Virginia	51	50	49	36	35	35
Wisconsin	4,000	4,000	4,050	3,110	3,000	3,220
Wyoming	90	85	100	60	59	69
United States	90,597	88,019	94,004	83,136	80,753	86,748

See footnote(s) at end of table.

Table 1-36.—Corn: Area, yield, and production, by State and United States, 2014–2016—Continued

State	Corn for grain					
	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	159.0	147.0	120.0	45,315	36,015	37,800
Arizona	210.0	210.0	215.0	5,880	7,560	10,750
Arkansas	187.0	181.0	171.0	99,110	80,545	127,395
California	165.0	157.0	185.0	15,675	9,420	18,500
Colorado	146.0	142.0	137.0	147,460	134,900	160,290
Connecticut	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Delaware	200.0	192.0	170.0	33,600	31,488	27,880
Florida	135.0	141.0	145.0	5,400	7,050	5,800
Georgia	170.0	171.0	165.0	52,700	48,735	56,100
Idaho	200.0	207.0	188.0	16,000	14,490	18,800
Illinois	200.0	175.0	197.0	2,350,000	2,012,500	2,255,650
Indiana	188.0	150.0	173.0	1,084,760	822,000	946,310
Iowa	178.0	192.0	203.0	2,367,400	2,505,600	2,740,500
Kansas	149.0	148.0	142.0	566,200	580,160	698,640
Kentucky	158.0	172.0	159.0	225,940	225,320	222,600
Louisiana	183.0	171.0	165.0	71,370	66,690	90,750
Maine	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maryland	175.0	164.0	152.0	75,250	62,320	60,800
Massachusetts	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan	161.0	162.0	157.0	355,810	335,340	320,280
Minnesota	156.0	188.0	193.0	1,177,800	1,428,800	1,544,000
Mississippi	185.0	175.0	166.0	89,725	85,750	119,520
Missouri	186.0	142.0	163.0	628,680	437,360	570,500
Montana	100.0	110.0	100.0	7,500	5,500	5,500
Nebraska	179.0	185.0	178.0	1,602,050	1,692,750	1,699,900
Nevada	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Hampshire	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Jersey	157.0	147.0	145.0	12,403	10,584	10,295
New Mexico	195.0	180.0	150.0	9,360	7,200	6,150
New York	148.0	143.0	129.0	100,640	84,370	73,530
North Carolina	132.0	113.0	129.0	102,960	82,490	121,260
North Dakota	124.0	128.0	158.0	313,720	327,680	516,660
Ohio	176.0	153.0	159.0	610,720	498,780	524,700
Oklahoma	147.0	129.0	121.0	42,630	36,120	42,350
Oregon	190.0	188.0	230.0	7,410	5,640	8,970
Pennsylvania	154.0	147.0	129.0	158,620	138,180	122,550
Rhode Island	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
South Carolina	117.0	93.0	127.0	32,760	24,180	44,450
South Dakota	148.0	159.0	161.0	787,360	799,770	825,930
Tennessee	168.0	160.0	151.0	141,120	116,800	125,330
Texas	148.0	135.0	127.0	294,520	265,950	323,850
Utah	160.0	173.0	175.0	4,480	2,941	5,075
Vermont	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virginia	145.0	161.0	148.0	50,750	48,300	50,320
Washington	215.0	215.0	235.0	23,650	16,125	19,975
West Virginia	149.0	148.0	145.0	5,364	5,180	5,075
Wisconsin	156.0	164.0	178.0	485,160	492,000	573,160
Wyoming	138.0	159.0	147.0	8,280	9,381	10,143
United States	171.0	168.4	174.6	14,215,532	13,601,964	15,148,038

(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	5,284	6,597	11,881	1,867	13,748	1,731
2015	1,731	13,602	68	15,401	5,114	6,648	11,763	1,901	13,664	1,737
2016	1,737	15,148	57	16,942	5,463	6,891	12,354	2,293	14,647	2,295

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, 2007–2016

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>
2007	5,627,000	3,330,000	1,826,600	460,100	3,305,707	2,738,250	1,706,843	843,547
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	4,409,258	3,487,233	2,239,679	1,109,658

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, 2014–2016

State	Silage								
	Area harvested			Yield per acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Alabama	9	9	7	17.0	15.0	16.0	153	135	112
Arizona	46	38	44	29.0	31.0	30.0	1,334	1,178	1,320
Arkansas	2	2	2	18.0	15.0	15.0	36	30	30
California	420	375	315	26.0	25.5	26.5	10,920	9,563	8,348
Colorado	110	120	140	25.0	25.5	24.0	2,750	3,060	3,360
Connecticut	22	21	21	20.0	18.5	18.5	440	389	389
Delaware	5	4	5	24.0	20.0	18.0	120	80	90
Florida	30	25	35	13.0	17.0	19.0	390	425	665
Georgia	35	40	40	19.5	22.0	19.0	683	880	760
Illinois	235	205	235	28.0	29.0	30.0	6,580	5,945	7,050
Indiana	80	90	80	22.0	20.0	21.0	1,760	1,800	1,680
Iowa	100	90	100	22.0	17.0	22.0	2,200	1,530	2,200
Kansas	310	340	330	20.0	24.0	24.0	6,200	8,160	7,920
Kentucky	150	170	150	14.0	18.5	19.5	2,100	3,145	2,925
Louisiana	75	70	80	21.0	20.0	19.5	1,575	1,400	1,560
Maine	2	1	1	18.0	14.0	17.0	36	14	17
Maryland	27	27	28	18.5	18.5	19.0	500	500	532
Massachusetts	60	45	50	22.0	22.0	18.0	1,320	990	900
Michigan	13	13	14	20.0	19.0	16.0	260	247	224
Minnesota	320	260	340	20.5	19.0	19.5	6,560	4,940	6,630
Mississippi	500	450	390	18.0	21.5	21.5	9,000	9,675	8,385
Missouri	10	10	10	14.0	16.0	14.0	140	160	140
Montana	80	100	80	18.0	14.0	15.0	1,440	1,400	1,200
Nebraska	51	50	55	22.0	23.0	22.0	1,122	1,150	1,210
Nevada	260	220	240	21.0	20.0	19.5	5,460	4,400	4,680
New Hampshire	3	2	7	20.0	24.0	24.0	60	48	168
New Jersey	14	14	14	21.0	20.0	20.0	294	280	280
New Mexico	5	7	5	20.0	21.0	16.0	100	147	80
New York	73	83	75	26.0	25.0	23.0	1,898	2,075	1,725
North Carolina	450	480	510	18.0	17.0	16.0	8,100	8,160	8,160
North Dakota	50	50	40	19.0	16.0	15.5	950	800	620
Ohio	230	150	150	14.5	14.0	17.5	3,335	2,100	2,625
Oklahoma	190	240	210	20.5	20.0	15.5	3,895	4,800	3,255
Oregon	20	15	20	17.0	17.0	15.0	340	255	300
Pennsylvania	40	34	40	25.0	24.0	27.0	1,000	816	1,080
Rhode Island	410	390	440	20.0	20.0	17.5	8,200	7,800	7,700
South Carolina	2	2	2	20.0	17.0	18.5	40	34	37
South Dakota	11	13	13	14.0	14.0	14.0	154	182	182
Tennessee	400	330	400	15.5	16.0	17.5	6,200	5,280	7,000
Texas	60	40	40	21.0	18.0	19.0	1,260	720	760
Utah	210	250	250	22.0	21.0	17.0	4,620	5,250	4,250
Vermont	45	45	49	22.0	23.0	24.0	990	1,035	1,176
Virginia	85	88	85	18.0	17.0	20.0	1,530	1,496	1,700
Washington	125	125	130	19.5	21.0	20.0	2,438	2,625	2,600
West Virginia	105	95	85	28.0	26.0	26.0	2,940	2,470	2,210
Wisconsin	14	14	13	18.0	18.0	19.0	252	252	247
Wyoming	850	970	790	18.5	19.5	21.0	15,725	18,915	16,590
United States	27	25	26	24.0	23.0	23.0	648	575	598
United States	6,371	6,237	6,186	20.1	20.4	20.3	128,048	127,311	125,670

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

Table 1-40.—Corn for grain: Marketing year average price and value, by State and United States, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	3.75	3.74	3.50	169,931	134,696	132,300
Arizona	5.36	4.98	4.65	31,517	37,649	49,988
Arkansas	4.13	4.11	3.70	409,324	331,040	471,362
California	4.81	4.39	4.80	75,397	41,354	88,800
Colorado	3.95	3.69	3.55	582,467	497,781	569,030
Delaware	3.83	3.88	3.65	128,688	122,173	101,762
Florida	3.65	3.80	3.40	19,710	26,790	19,720
Georgia	4.17	3.90	3.75	219,759	190,067	210,375
Idaho	4.16	4.71	4.45	66,560	68,248	83,660
Illinois	3.71	3.69	3.45	8,718,500	7,426,125	7,781,993
Indiana	3.75	3.92	3.55	4,067,850	3,222,240	3,359,401
Iowa	3.71	3.52	3.35	8,783,054	8,819,712	9,180,675
Kansas	3.78	3.69	3.20	2,140,236	2,140,790	2,235,648
Kentucky	3.94	3.88	3.70	890,204	874,242	823,620
Louisiana	4.15	4.00	3.70	296,186	266,760	335,775
Maryland	3.79	3.88	3.65	285,198	241,802	221,920
Michigan	3.65	3.63	3.45	1,298,707	1,217,284	1,104,966
Minnesota	3.58	3.37	3.30	4,216,524	4,815,056	5,095,200
Mississippi	4.24	4.01	3.75	380,434	343,858	448,200
Missouri	3.54	3.69	3.35	2,225,527	1,613,858	1,911,175
Montana	3.77	4.01	4.40	28,275	22,055	24,200
Nebraska	3.77	3.57	3.35	6,039,729	6,043,118	5,694,665
New Jersey	3.80	3.85	3.55	47,131	40,748	36,547
New Mexico	4.35	4.58	3.80	40,716	32,976	23,370
New York	4.11	4.01	3.90	413,630	338,324	286,767
North Carolina	4.19	4.32	4.05	431,402	356,357	491,103
North Dakota	3.34	3.28	3.15	1,047,825	1,074,790	1,627,479
Ohio	3.78	3.89	3.60	2,308,522	1,940,254	1,888,920
Oklahoma	4.11	3.93	3.40	175,209	141,952	143,990
Oregon	4.45	4.00	4.25	32,975	22,560	38,123
Pennsylvania	3.90	3.97	4.05	618,618	548,575	496,328
South Carolina	3.90	4.06	3.65	127,764	98,171	162,243
South Dakota	3.34	3.30	3.20	2,629,782	2,639,241	2,642,976
Tennessee	3.81	3.92	3.65	537,667	457,856	457,455
Texas	4.42	4.20	3.75	1,301,778	1,116,990	1,214,438
Utah	4.13	4.68	3.80	18,502	13,764	19,285
Virginia	3.90	4.05	3.75	197,925	195,615	188,700
Washington	4.90	4.30	4.95	115,885	69,338	98,876
West Virginia	3.85	3.95	3.60	20,651	20,461	18,270
Wisconsin	3.67	3.46	3.30	1,780,537	1,702,320	1,891,428
Wyoming	3.80	3.44	3.25	31,464	32,271	32,965
United States	3.70	3.61	3.40	52,951,760	49,339,261	51,703,698

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

Table 1-41.—International Corn: Area, yield, and production in specified countries, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016	2013/2014	2014/2015	2015/2016
	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
Argentina	3,400	3,300	3,400	7.65	8.18	7.94	26,000	27,000	27,000
Brazil	15,800	15,750	16,200	5.06	5.40	5.19	80,000	85,000	84,000
Canada	1,480	1,227	1,310	9.59	9.36	10.38	14,194	11,487	13,600
China	36,318	37,123	38,120	6.02	5.81	5.89	218,490	215,646	224,580
European Union	9,664	9,530	9,287	6.69	7.95	6.22	64,635	75,793	57,751
India	9,066	9,090	9,000	2.68	2.66	2.33	24,259	24,170	21,000
Indonesia	3,120	3,100	3,180	2.92	2.90	2.96	9,100	9,000	9,400
Mexico	7,052	7,325	7,000	3.24	3.48	3.43	22,880	25,480	24,000
Russia	2,322	2,596	2,650	5.01	4.36	4.91	11,635	11,325	13,000
Ukraine	4,825	4,625	4,080	6.40	6.15	5.71	30,900	28,450	23,300
Others	52,753	51,317	50,234	2.62	2.64	2.53	138,015	135,242	127,018
Total Foreign ...	145,800	144,983	144,461	4.39	4.47	4.32	640,108	648,593	624,649
United States ...	35,390	33,644	32,678	9.93	10.73	10.57	351,272	361,091	345,486
Total	181,190	178,627	177,139	5.47	5.65	5.48	991,380	1,009,684	970,135

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Argentina	17,102	18,500	17,000
Brazil	20,967	34,450	28,000
Burma	700	850	900
Canada	1,949	423	1,000
European Union	2,405	4,026	1,500
Mexico	501	784	1,000
Paraguay	2,372	3,287	2,300
Russia	4,192	3,213	3,800
Serbia	1,736	2,964	1,700
Ukraine	20,004	19,661	15,500
Others	10,393	5,692	5,515
Total Foreign	82,321	93,850	78,215
United States	48,783	47,359	41,912
Total	131,104	141,209	120,127
Principle importing countries:			
Algeria	3,739	4,381	4,200
Colombia	4,436	4,496	4,500
Egypt	8,726	7,826	8,250
European Union	16,015	8,646	16,000
Iran	5,500	6,200	5,000
Japan	15,121	14,656	14,700
Korea, South	10,406	10,168	10,000
Malaysia	3,476	3,221	3,500
Mexico	10,954	11,269	11,500
Taiwan	4,189	3,821	4,100
Others	40,542	47,839	46,125
Total Foreign	123,104	122,523	127,875
United States	909	804	1,270
Total	124,013	123,327	129,145

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, 2007/2008–2016/2017

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>
2007/2008	0.28/0.00	1.95	2.63	1,218	9.3	0	0
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	0.35	1.95	3.70	880	5.8	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 participate in the Average Crop Revenue (ACRE) program get 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 2016/2017, projected PLC payment rate is based on June 2017 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 participate 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. ⁴Percent of production is on a grain basis. ⁵Acquisitions as of June 30, 2017. FSA, Feed Grains and Oilseeds, (202) 720-2711.

Table 1-44.—Corn: United States exports, specified by country of destination, 2014–2016¹

Country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Mexico	10,341,603	11,811,586	13,922,240
Japan	12,574,819	11,049,438	11,941,197
Korea, South	4,614,158	3,450,215	4,839,045
Colombia	4,324,495	4,354,592	4,527,583
Peru	2,392,749	1,742,869	2,690,128
Taiwan	1,688,757	1,815,770	2,672,708
Saudi Arabia	1,072,800	1,150,986	1,953,149
Venezuela	1,194,507	528,763	1,116,316
Egypt	2,981,207	967,744	962,188
Guatemala	788,152	811,608	954,811
Canada	907,037	1,262,005	878,346
Morocco	232,542	268,286	772,927
El Salvador	443,012	516,799	711,938
Chile	14,098	72,940	690,064
Algeria	76,021	238,846	678,575
Costa Rica	744,513	614,784	674,514
Honduras	426,279	423,230	587,091
Vietnam	391,065	3,967	540,372
Dominican Republic	659,544	489,391	515,511
Rest of World	3,619,528	2,866,987	4,347,925
World Total	49,486,886	44,440,806	55,976,628

(*) Denotes a country that is a summarization of its component countries. ¹Compiled from U.S. Census data. Excludes seed, popcorn. FAS, Office of Global Analysis, (202) 720-6301.

Table 1-45.—Oats: Area, yield, production, and value, United States, 2007–2016

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
2007	3,763	1,504	60.1	90,430	2.63	247,644
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	2.00	151,335

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, 2007–2016

Year beginning September	On farms				Off farms ¹			
	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1
2007	53,650	43,100	31,000	16,100	34,710	51,331	47,988	50,674
2008	52,800	42,600	30,200	17,480	66,296	72,322	65,250	66,619
2009	54,500	43,000	30,900	17,600	73,875	67,629	67,091	62,716
2010	45,850	34,100	26,950	14,580	70,722	66,911	59,361	53,049
2011	30,300	24,600	19,550	11,070	47,391	54,244	55,044	43,869
2012	34,100	26,100	18,900	11,380	50,872	47,051	33,726	24,957
2013	37,150	25,650	19,800	9,710	26,339	22,394	15,323	15,029
2014	41,400	31,300	20,810	15,120	32,910	35,670	38,609	38,625
2015	47,800	36,750	26,800	18,350	46,066	46,098	48,429	38,452
2016	37,400	30,430	22,320	13,540	41,190	45,003	40,827	36,793

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	76	170	2	172	57
2016	57	65	90	212	82	76	158	3	162	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, 2014–2016

State	Area planted ¹			Area harvested		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	50	55	50	15	20	20
Arkansas	12	11	11	8	8	8
California	120	120	110	10	10	11
Colorado	45	45	55	9	10	10
Georgia	60	65	45	20	25	15
Idaho	70	75	55	15	15	15
Illinois	35	40	45	25	25	20
Indiana	20	15	(NA)	10	5	(NA)
Iowa	145	125	120	55	57	43
Kansas	85	95	120	15	40	30
Maine	32	30	25	31	29	24
Michigan	55	75	65	40	50	30
Minnesota	230	280	210	125	160	120
Missouri	25	30	45	13	14	19
Montana	45	50	60	16	22	28
Nebraska	110	135	135	30	40	25
New York	55	70	90	40	40	60
North Carolina	33	35	35	17	16	9
North Dakota	235	275	290	105	140	110
Ohio	50	70	50	35	40	25
Oklahoma	60	40	65	10	7	8
Oregon	30	35	30	18	11	10
Pennsylvania	90	95	85	60	65	50
South Carolina	21	24	17	10	9	7
South Dakota	250	325	295	100	145	110
Texas	450	520	470	45	55	60
Utah	20	20	(NA)	3	2	(NA)
Virginia	10	12	(NA)	3	4	(NA)
Washington	25	18	18	5	5	7
Wisconsin	255	280	210	140	195	100
Wyoming	30	23	23	7	12	7
United States	2,753	3,088	2,829	1,035	1,276	981
State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Alabama	65.0	50.0	55.0	975	1,000	1,100
Arkansas	90.0	60.0	73.0	720	480	584
California	100.0	60.0	65.0	1,000	600	715
Colorado	60.0	80.0	80.0	540	800	800
Georgia	54.0	45.0	58.0	1,080	1,125	870
Idaho	82.0	86.0	83.0	1,230	1,290	1,245
Illinois	80.0	77.0	81.0	2,000	1,925	1,620
Indiana	74.0	59.0	(NA)	740	295	(NA)
Iowa	64.0	73.0	76.0	3,520	4,161	3,268
Kansas	56.0	65.0	57.0	840	2,600	1,710
Maine	70.0	80.0	71.0	2,170	2,320	1,704
Michigan	69.0	67.0	58.0	2,760	3,350	1,740
Minnesota	63.0	78.0	68.0	7,875	12,480	8,160
Missouri	65.0	65.0	60.0	845	910	1,140
Montana	69.0	53.0	47.0	1,104	1,166	1,316
Nebraska	80.0	67.0	60.0	2,400	2,680	1,500
New York	63.0	58.0	55.0	2,520	2,320	3,300
North Carolina	67.0	66.0	60.0	1,139	1,056	540
North Dakota	73.0	74.0	66.0	7,665	10,360	7,260
Ohio	63.0	63.0	74.0	2,205	2,520	1,850
Oklahoma	38.0	39.0	43.0	380	273	344
Oregon	85.0	88.0	90.0	1,530	968	900
Pennsylvania	58.0	55.0	67.0	3,480	3,575	3,350
South Carolina	62.0	58.0	46.0	620	522	322
South Dakota	93.0	87.0	82.0	9,300	12,615	9,020
Texas	38.0	48.0	50.0	1,710	2,640	3,000
Utah	69.0	85.0	(NA)	207	170	(NA)
Virginia	78.0	76.0	(NA)	234	304	(NA)
Washington	70.0	54.0	61.0	350	270	427
Wisconsin	62.0	72.0	66.0	8,680	14,040	6,600
Wyoming	59.0	60.0	55.0	413	720	385
United States	67.9	70.2	66.0	70,232	89,535	64,770

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 1-49.—Oats: Support operations, United States, 2007/2008–2016/2017

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 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>
2007/2008	0.02/0.00	1.33	1.44	1.2	1.3	0	0
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

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 participate in the Average Crop Revenue (ACRE) program get 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 participate 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. ⁴Percent of production is on a grain basis. ⁵Acquisitions as of June 30, 2017. 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, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	5.00	4.50	3.85	4,875	4,500	4,235
Arkansas	3.95	2.95	2.15	2,844	1,416	1,256
California	3.20	3.25	3.80	3,200	1,950	2,717
Colorado	3.62	3.50	2.60	1,955	2,800	2,080
Georgia	4.50	4.10	3.75	4,860	4,613	3,263
Idaho	2.64	2.87	2.45	3,247	3,702	3,050
Illinois	4.58	2.89	2.35	9,160	5,563	3,807
Indiana	4.55	3.13	(NA)	3,367	923	(NA)
Iowa	3.60	2.57	2.40	12,672	10,694	7,843
Kansas	3.61	2.55	1.90	3,032	6,630	3,249
Maine	2.35	2.00	2.20	5,100	4,640	3,749
Michigan	3.40	1.97	1.90	9,384	6,600	3,306
Minnesota	3.22	2.01	2.05	25,358	25,085	16,728
Missouri	4.35	2.75	2.15	3,676	2,503	2,451
Montana	3.30	3.33	3.40	3,643	3,883	4,474
Nebraska	3.01	2.20	2.05	7,224	5,896	3,075
New York	3.66	2.31	2.25	9,223	5,359	7,425
North Carolina	3.10	2.60	2.20	3,531	2,746	1,188
North Dakota	2.42	2.00	2.25	18,549	20,720	16,335
Ohio	4.65	3.29	2.95	10,253	8,291	5,458
Oklahoma	4.25	2.45	2.55	1,615	669	877
Oregon	4.53	5.34	3.00	6,931	5,169	2,700
Pennsylvania	3.79	3.36	2.65	13,189	12,012	8,878
South Carolina	3.60	3.20	3.10	2,232	1,670	998
South Dakota	3.01	2.11	1.95	27,993	26,618	17,589
Texas	5.93	3.95	4.05	10,140	10,428	12,150
Utah	3.75	3.61	(NA)	776	614	(NA)
Virginia	2.90	2.40	(NA)	679	730	(NA)
Washington	2.55	2.52	2.00	893	680	854
Wisconsin	3.52	1.81	1.60	30,554	25,412	10,560
Wyoming	3.19	2.86	2.70	1,317	2,059	1,040
United States	3.21	2.12	2.00	241,472	214,575	151,335

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

Table 1-51.—International Oats: Area, yield, and production in specified countries, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016
	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	215	245	235	2.07	2.14	2.06	445	525	485
Australia	715	683	860	1.76	1.59	1.51	1,255	1,087	1,300
Belarus	133	151	140	2.65	3.46	2.86	352	522	400
Brazil	170	150	190	2.24	2.00	1.84	380	300	350
Canada	1,113	928	1,050	3.51	3.21	3.27	3,906	2,979	3,430
Chile	136	90	85	4.49	4.68	5.53	610	421	470
China	200	200	200	2.90	3.00	3.00	580	600	600
European Union	2,652	2,542	2,627	3.16	3.09	2.91	8,380	7,845	7,640
Russia	3,007	3,077	2,835	1.64	1.71	1.60	4,932	5,267	4,550
Ukraine	241	245	215	1.94	2.49	2.28	467	610	490
Others	687	651	689	1.83	1.82	1.80	1,257	1,187	1,239
Total Foreign	9,269	8,962	9,126	2.43	2.38	2.30	22,564	21,343	20,954
United States	408	419	516	2.30	2.43	2.52	938	1,019	1,300
Total	9,677	9,381	9,642	2.43	2.38	2.31	23,502	22,362	22,254

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Argentina	2	2	5
Australia	260	250	350
Brazil	6	9	5
Canada	1,662	1,689	1,600
Chile	56	85	75
European Union	316	219	230
Kazakhstan	6	2	5
Russia	6	9	20
Ukraine	6	39	70
Others	1	1	.....
Total Foreign	2,321	2,305	2,360
United States	23	26	29
Total	2,344	2,331	2,389
Principle importing countries:			
Albania	5	5	5
Algeria	8	16	30
Canada	24	13	10
China	116	162	250
Ecuador	26	21	20
Japan	46	47	50
Mexico	97	84	100
Norway	39	3	40
South Africa	19	50	25
Switzerland	52	52	50
Others	19	28	30
Total Foreign	451	481	610
United States	1,674	1,852	1,637
Total	2,125	2,333	2,247

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, 2007–2016

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
2007	4,018	3,502	60.0	210,110	4.02	834,954
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	4.95	942,180

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, 2007–2016

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
2007	105,600	62,050	28,270	9,950	83,095	73,728	82,154	58,273
2008	127,750	77,050	44,310	27,010	81,669	95,766	84,791	61,723
2009	154,050	114,630	67,370	40,440	85,414	91,759	89,985	75,059
2010	125,070	91,660	57,700	26,040	98,818	88,720	80,424	63,311
2011	93,050	55,320	26,480	9,670	82,007	82,999	67,248	50,317
2012	112,550	72,580	35,180	15,840	85,226	85,473	81,897	64,557
2013	105,620	81,340	43,830	19,110	90,470	88,063	77,734	63,145
2014	97,820	74,510	41,990	20,940	81,997	81,625	76,247	57,639
2015	135,840	96,650	57,910	27,740	83,132	84,474	79,832	74,370
2016	130,600	99,100	56,490	27,050	99,737	93,408	88,213	79,315

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	336	66	169	234	13	248	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, 2014–2016

State	Area planted ¹			Area harvested		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Arizona	36	17	17	32	16	16
California	80	80	85	25	29	60
Colorado	57	65	80	54	63	75
Delaware	41	32	35	31	22	25
Idaho	600	610	600	550	580	580
Kansas ²	16	13	(NA)	10	8	(NA)
Maine ²	13	13	(NA)	12	12	(NA)
Maryland	70	50	50	45	35	34
Michigan ²	9	11	(NA)	8	6	(NA)
Minnesota	75	135	95	60	120	79
Montana	920	990	990	770	860	780
New York ²	12	11	(NA)	8	9	(NA)
North Carolina ²	20	19	(NA)	15	14	(NA)
North Dakota	620	1,120	740	535	1,050	640
Oregon	50	49	45	38	37	32
Pennsylvania	70	55	55	50	40	38
South Dakota ²	28	37	(NA)	17	19	(NA)
Utah	32	27	29	20	16	19
Virginia	56	46	33	28	16	12
Washington	115	115	110	105	105	93
Wisconsin ²	26	28	(NA)	16	15	(NA)
Wyoming	85	100	95	68	86	82
United States	3,031	3,623	3,059	2,497	3,158	2,565
State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Arizona	125.0	120.0	128.0	4,000	1,920	2,048
California	73.0	55.0	75.0	1,825	1,595	4,500
Colorado	124.0	130.0	129.0	6,696	8,190	9,675
Delaware	86.0	80.0	76.0	2,666	1,760	1,900
Idaho	94.0	97.0	107.0	51,700	56,260	62,060
Kansas ²	35.0	39.0	(NA)	350	312	(NA)
Maine ²	68.0	85.0	(NA)	816	1,020	(NA)
Maryland	77.0	69.0	72.0	3,465	2,415	2,448
Michigan ²	53.0	56.0	(NA)	424	336	(NA)
Minnesota	52.0	77.0	66.0	3,120	9,240	5,214
Montana	58.0	52.0	60.0	44,660	44,720	46,800
New York ²	47.0	45.0	(NA)	376	405	(NA)
North Carolina ²	71.0	72.0	(NA)	1,065	1,008	(NA)
North Dakota	67.0	64.0	67.0	35,845	67,200	42,880
Oregon	50.0	52.0	67.0	1,900	1,924	2,144
Pennsylvania	71.0	65.0	75.0	3,550	2,600	2,850
South Dakota ²	52.0	37.0	(NA)	884	703	(NA)
Utah	83.0	84.0	82.0	1,660	1,344	1,558
Virginia	79.0	75.0	67.0	2,212	1,200	804
Washington	60.0	48.0	77.0	6,300	5,040	7,161
Wisconsin ²	47.0	55.0	(NA)	752	825	(NA)
Wyoming	107.0	95.0	96.0	7,276	8,170	7,872
United States	72.7	69.1	77.9	181,542	218,187	199,914

(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, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	4.44	4.15	4.05	17,760	7,968	7,776
California	5.24	4.85	4.25	9,563	7,736	17,531
Colorado	5.78	6.20	5.25	38,703	50,778	50,117
Delaware	3.65	2.80	2.60	9,731	4,928	4,940
Idaho	5.11	5.86	5.05	264,187	329,684	313,403
Kansas ²	5.25	2.55	(NA)	1,838	796	(NA)
Maine ²	3.55	3.90	(NA)	2,897	3,978	(NA)
Maryland	3.60	2.75	2.65	12,474	6,641	6,487
Michigan ²	3.89	2.90	(NA)	1,649	974	(NA)
Minnesota	5.38	5.34	4.15	16,786	49,342	21,638
Montana	5.33	5.82	5.20	238,038	260,270	243,360
New York ²	3.70	4.20	(NA)	1,391	1,701	(NA)
North Carolina ²	3.80	3.40	(NA)	4,047	3,427	(NA)
North Dakota	5.30	4.88	4.50	189,979	327,936	192,960
Oregon	3.56	3.13	2.70	6,764	6,022	5,789
Pennsylvania	3.70	2.84	2.85	13,135	7,384	8,123
South Dakota ²	3.50	3.25	(NA)	3,094	2,285	(NA)
Utah	3.13	2.97	2.35	5,196	3,992	3,661
Virginia	3.60	3.20	2.90	7,963	3,840	2,332
Washington	3.54	3.31	2.90	22,302	16,682	20,767
Wisconsin ²	5.25	5.49	(NA)	3,948	4,529	(NA)
Wyoming	5.98	5.99	5.50	43,510	48,938	43,296
United States	5.30	5.52	4.95	914,955	1,149,831	942,180

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

Table 1-58.—International Barley: Area, yield, and production in specified countries, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	1,270	900	1,000	3.74	3.22	3.60	4,750	2,900	3,600
Australia	3,814	3,836	4,100	2.41	2.09	2.12	9,174	8,014	8,700
Canada	2,652	2,136	2,350	3.86	3.33	3.50	10,237	7,119	8,225
European Union	12,408	12,394	12,327	4.81	4.88	4.95	59,674	60,460	60,962
Iran	1,635	1,575	1,600	1.71	2.03	2.06	2,800	3,200	3,300
Kazakhstan	1,837	1,909	2,038	1.38	1.26	1.31	2,539	2,412	2,675
Morocco	1,690	1,440	1,600	1.60	1.18	2.19	2,700	1,700	3,500
Russia	8,024	8,803	8,050	1.92	2.27	2.12	15,389	20,026	17,100
Turkey	3,330	3,400	3,400	2.19	1.18	2.18	7,300	4,000	7,400
Ukraine	3,233	3,200	3,000	2.34	2.95	2.92	7,561	9,450	8,750
Others	9,385	8,932	9,242	1.87	1.98	1.87	17,514	17,712	17,262
Total Foreign	49,278	48,525	48,707	2.83	2.82	2.90	139,638	136,993	141,474
United States	1,230	1,011	1,258	3.84	3.91	3.71	4,719	3,953	4,666
Total	50,508	49,536	49,965	2.86	2.85	2.92	144,357	140,946	146,140

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Argentina	2,891	1,552	2,100
Australia	6,216	5,219	6,000
Canada	1,559	1,516	1,350
European Union	5,741	9,547	8,600
India	441	431	200
Kazakhstan	416	483	750
Moldova	10	62	50
Russia	2,681	5,336	3,700
Serbia	28	7	25
Ukraine	2,476	4,456	4,500
Others	54	83	50
Total Foreign	22,513	28,692	27,325
United States	311	312	305
Total	22,824	29,004	27,630
Principle importing countries:			
Algeria	511	876	650
Brazil	318	484	400
China	4,891	9,859	7,500
Iran	900	2,200	1,300
Japan	1,294	1,097	1,300
Jordan	1,009	890	700
Kuwait	436	412	400
Libya	681	1,001	900
Saudi Arabia	9,000	8,200	8,500
Tunisia	646	483	450
Others	2,994	3,942	3,210
Total Foreign	22,680	29,444	25,310
United States	408	513	435
Total	23,088	29,957	25,745

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, 2007/2008–2016/2017

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 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>
2007/2008	0.24/0.00	1.85	2.24	4.4	2.1	0	0
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	4.9	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 participate in the Average Crop Revenue (ACRE) program get 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 participate 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. ⁴Percent of production is on a grain basis. ⁵Acquisitions as of June 30, 2017.

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, 2007–2016

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
2007 ..	7,712	6,792	73.2	497,445	7.28	1,925,312	392	13.4	5,246
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	5.90	2,064,638	306	14.6	4,475
2016 ..	6,690	6,163	77.9	480,261	4.98	1,351,427	298	14.0	4,171

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, 2007–2016

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
2007	38,100	17,100	5,380	2,150	174,094	125,122	69,490	29,903
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 ²	51,500	25,000	9,700	3,755	271,035	176,584	80,654	32,877

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	248	93	95	189	76	265	15
2013	15	392	392	93	70	162	211	374	34
2014	34	433	467	82	15	97	352	449	18
2015	18	597	620	107	137	244	340	583	37
2016	37	480	519	129	115	245	241	485	34

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, 2014–2016

State	Area planted for all purposes			Sorghum for grain		
	2014	2015	2016	Area harvested		
				2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Arizona ¹	25	24	(NA)	8	4	(NA)
Arkansas	170	450	47	165	440	44
Colorado	345	440	450	280	400	415
Georgia	40	50	20	23	34	10
Illinois	23	38	18	21	34	16
Kansas	2,850	3,400	3,100	2,700	3,200	2,950
Louisiana	100	77	52	96	74	46
Mississippi	110	120	13	105	115	11
Missouri	85	155	65	73	140	54
Nebraska	210	270	200	160	240	175
New Mexico	110	125	110	60	90	85
North Carolina ²	(NA)	(NA)	45	(NA)	(NA)	37
Oklahoma	370	440	400	310	410	370
South Dakota	200	270	270	150	220	200
Texas	2,500	2,600	1,900	2,250	2,450	1,750
United States	7,138	8,459	6,690	6,401	7,851	6,163
State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Arizona ¹	100.0	92.0	(NA)	800	368	(NA)
Arkansas	97.0	98.0	73	16,005	43,120	3,212
Colorado	30.0	55.0	50	8,400	22,000	20,750
Georgia	41.0	48.0	54	943	1,632	540
Illinois	106.0	94.0	93	2,226	3,196	1,488
Kansas	74.0	88.0	91	199,800	281,600	268,450
Louisiana	93.0	85.0	102	8,928	6,290	4,692
Mississippi	80.0	79.0	89	8,400	9,085	979
Missouri	101.0	94.0	95	7,373	13,160	5,130
Nebraska	82.0	96.0	102	13,120	23,040	17,850
New Mexico	42.0	47.0	41	2,520	4,230	3,485
North Carolina ²	(NA)	(NA)	55	(NA)	(NA)	2,035
Oklahoma	56.0	52.0	55	17,360	21,320	20,350
South Dakota	63.0	83.0	79	9,450	18,260	15,800
Texas	61.0	61.0	66	137,250	149,450	115,500
United States	67.6	76.0	77.9	432,575	596,751	480,261

(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, 2014–2016

State	Silage								
	Area harvested			Yield per acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Arizona ¹	17	20	(NA)	23.0	22.0	(NA)	391	440	(NA)
Arkansas	2	2	1	17.0	9.0	18	34	18	18
Colorado	10	10	10	11.0	14.0	9	110	140	90
Georgia	14	12	8	11.0	12.0	10	154	144	80
Illinois	1	2	1	18.0	15.0	17	18	30	17
Kansas	70	105	95	11.0	15.0	15.5	770	1,575	1,472
Louisiana	1	1	1	13.0	11.0	13	13	11	13
Mississippi	2	2	1	12.0	8.0	10	24	16	10
Missouri	10	10	9	17.0	19.0	17	170	190	153
Nebraska	20	10	10	12.0	12.5	14	240	125	140
New Mexico	33	29	18	13.0	12.0	13	429	348	234
North Carolina ²	(NA)	(NA)	4	(NA)	(NA)	10	(NA)	(NA)	40
Oklahoma	15	15	15	10.0	12.0	10	150	180	150
South Dakota	20	18	40	11.0	13.5	13	220	243	520
Texas	100	70	85	14.0	14.5	14.5	1,400	1,015	1,232
United States	315	306	298	13.1	14.6	14.0	4,123	4,475	4,171

(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, 2014–2016

State	Marketing year average price per cwt			Value of production		
	2014	2015	2016	2014	2015	2016
	<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 ¹	9.34	9.08	(NA)	4,184	1,871	(NA)
Arkansas	7.07	7.69	4.95	63,367	185,692	8,904
Colorado	6.92	5.49	4.45	32,552	67,637	51,709
Georgia	8.52	8.12	6.30	4,499	7,421	1,905
Illinois	5.97	6.48	5.40	7,442	11,598	4,500
Kansas	7.10	5.57	4.65	794,405	878,367	699,044
Louisiana	7.76	7.93	6.05	38,798	27,933	15,896
Mississippi	7.05	7.94	5.85	33,163	40,396	3,207
Missouri	6.35	6.69	5.05	26,218	49,303	14,508
Nebraska	7.17	5.76	4.90	52,679	74,318	48,980
New Mexico	6.64	6.70	5.65	9,370	15,871	11,027
North Carolina ²	(NA)	(NA)	5.20	(NA)	(NA)	5,926
Oklahoma	6.94	6.14	4.85	67,468	73,307	55,271
South Dakota	5.95	5.80	4.80	31,487	59,308	42,470
Texas	7.23	6.83	6.00	555,698	571,616	388,080
United States	7.20	5.91	4.80	1,721,330	2,064,638	1,351,427

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

Table 1-68.—Sorghum grain: Support operations, United States, 2007/2008–2016/2017

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 ³	Quantity	Percentage of production ⁴		
2007/2008	0.63/0.00	3.48	4.59	1.8	0.6	0	0
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	2.32	3.48	7.05	1.9	0.7	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 participate in the Average Crop Revenue (ACRE) program get 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 2016/2017, projected PLC payment rate is based on June 2017 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 June 30, 2017. FSA, Feed Grains and Oilseeds, (202) 720–2711.

Table 1-69.—International Sorghum: Area, yield, and production in specified countries, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016
	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	1,000	770	870	4.40	4.55	4.48	4,400	3,500	3,900
Australia	532	651	700	2.41	3.23	3.14	1,282	2,104	2,200
Brazil	730	730	700	2.59	2.74	2.86	1,890	2,000	2,000
Burkina	1,800	1,800	1,800	1.04	1.02	1.06	1,880	1,836	1,900
China	582	619	610	4.97	4.66	4.75	2,892	2,885	2,900
Ethiopia	1,818	1,800	1,800	2.26	2.22	2.11	4,114	4,000	3,800
India	5,793	5,500	6,000	0.96	0.99	0.92	5,542	5,450	5,500
Mexico	2,073	1,715	1,600	4.10	3.66	3.56	8,500	6,270	5,700
Nigeria	5,000	5,500	5,300	1.32	1.22	1.16	6,592	6,700	6,150
Sudan	4,356	8,626	8,000	0.52	0.73	0.69	2,249	6,281	5,500
Others	12,631	12,546	12,459	0.95	0.95	0.96	11,947	11,874	12,000
Total Foreign	36,315	40,257	39,839	1.41	1.31	1.29	51,288	52,900	51,550
United States	2,665	2,590	3,177	3.74	4.24	4.77	9,966	10,988	15,158
Total	38,980	42,847	43,016	1.57	1.49	1.55	61,254	63,888	66,708

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principle exporting countries:			
Argentina	1,279	1,000	1,000
Australia	385	1,650	1,000
Brazil	11	13	30
China	11	9	25
Ethiopia	75	75	25
India	87	121	100
Kenya	56	40	30
Nigeria	50	100	50
South Africa	27	25	25
Ukraine	229	156	100
Others	111	125	90
Total Foreign	2,321	3,314	2,475
United States	5,362	8,965	8,255
Total	7,683	12,279	10,730
Principle importing countries:			
Chile	184	150	100
China	4,161	10,162	7,000
Colombia	104	.....	50
Ethiopia	50	75	150
European Union	193	134	80
Japan	1,003	903	950
Kenya	92	98	100
Mexico	162	29	700
Pakistan	15	32	130
Sudan	75	100	75
Others	575	625	385
Total Foreign	6,614	12,308	9,720
United States	2	10	127
Total	6,616	12,318	9,847

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, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016	2013/ 2014	2014/ 2015	2015/ 2016
	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	35	35	35	0.71	0.71	0.71	25	25	25
Canada	66	63	62	2.80	3.00	2.90	185	189	180
European Union ...	3,953	4,035	4,144	3.89	4.17	3.83	15,373	16,808	15,869
Switzerland	9	10	10	5.67	6.00	6.00	51	60	60
Turkey	100	100	100	1.15	1.15	1.15	115	115	115
Total Foreign	4,163	4,243	4,351	3.78	4.05	3.73	15,749	17,197	16,249
Total	4,163	4,243	4,351	3.78	4.05	3.73	15,749	17,197	16,249

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

¹ Year beginning August 1. ² Includes dried skim milk, and whey for feed, but does not include any milk products fed on farms. ³ Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available. ⁴ Adjusted 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>	
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, 2007–2016¹

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>
2007	4.61	4.43	6.05	3.38	2.02	2.98
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

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>
2007	3.54	3.67	7.10	3.71	3.74
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

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, 2007–2016

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>
2007	230.39	187.53	166.49	148.36	225.96	850.53	87.31	87.20
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

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>
2007		129.30	81.34	108.64	113.38	206.53	179.50
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

(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, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>metric tons</i>	<i>metric tons</i>	<i>metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Burkina	1,327	1,200	1,200	0.81	0.87	0.92	1,079	1,038	1,100
Chad	800	1,000	1,000	0.73	0.68	0.70	582	683	700
China	716	772	750	2.44	2.34	2.40	1,746	1,809	1,800
Ethiopia	455	440	440	1.87	1.70	1.59	850	750	700
India	9,687	8,903	8,950	1.20	1.31	1.19	11,663	11,630	10,680
Mali	1,437	1,600	1,600	0.80	1.00	1.00	1,152	1,600	1,600
Niger	7,100	7,000	7,000	0.42	0.41	0.46	2,995	2,900	3,200
Nigeria	4,000	4,000	4,000	1.25	1.20	1.20	5,000	4,800	4,800
Senegal	714	850	850	0.72	0.48	0.76	515	409	650
Sudan	1,501	2,884	2,500	0.24	0.38	0.28	359	1,085	700
Others	3,898	3,919	3,994	0.79	0.82	0.86	3,090	3,231	3,440
Total	31,635	32,568	32,284	0.92	0.92	0.91	29,031	29,935	29,370

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, 2007–2016

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
2007	570	520	32.5	16,900	4.67	78,975
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	2.68	33,689

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

Table 1-82.—Proso millet: Area, yield, and production, by State and United States, 2014–2016

State	Area planted			Area harvested		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Colorado	310	270	300	250	260	285
Nebraska	120	105	95	111	97	88
South Dakota	75	70	48	69	61	40
United States	505	445	443	430	418	413

State	Yield per acre			Production		
	2014	2015	2016	2014	2015	2016
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Colorado	32.5	34.5	27.5	8,125	8,970	7,838
Nebraska	29.0	34.0	35.0	3,219	3,298	3,080
South Dakota	31.0	31.1	41.0	2,139	1,891	1,640
United States	31.4	33.9	30.4	13,483	14,159	12,558

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

Table 1-83.—Proso millet: Marketing year average price and value, by State and United States, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
Colorado	3.30	2.92	2.65	26,813	26,192	20,771
Nebraska	3.25	2.89	2.65	10,462	9,531	8,162
South Dakota	3.66	3.08	2.90	7,829	5,824	4,756
United States	3.35	2.93	2.68	45,104	41,547	33,689

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, 2007–2016

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
2007	10,827.2	10,489.1	879	19,206.9	0.613	5,652,907
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	0.697	5,672,081

¹Value based on 480-pound net weight bale. ²Based on marketings and monthly prices received from August 1, 2016 - December 31, 2016.
 NASS, Crops Branch, (202) 720-2127.

Table 2-2.—Cotton: Marketing year average price per pound, and value, by State and United States, 2014–2016

State	Marketing year average price per pound			Value of production ¹		
	2014	2015	2016 ²	2014	2015	2016 ²
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
Upland:						
Alabama	0.603	0.683	0.673	189,004	181,623	227,743
Arizona	0.641	(D)	0.690	150,763	(D)	129,168
Arkansas	0.644	0.658	0.683	243,277	148,761	275,386
California	0.853	(D)	0.860	87,620	(D)	103,200
Florida	0.667	0.733	0.678	61,471	53,832	65,088
Georgia	0.654	0.695	0.710	806,774	752,268	749,760
Kansas	0.559	0.561	0.662	12,879	9,425	22,561
Louisiana	0.626	0.678	0.685	121,394	61,508	85,488
Mississippi	0.658	0.740	0.676	340,476	238,694	356,928
Missouri	0.650	0.738	0.656	177,840	141,696	179,482
New Mexico	0.655	0.543	0.618	20,122	15,638	29,664
North Carolina	0.668	0.620	0.630	319,037	156,835	108,864
Oklahoma	0.553	0.560	0.681	71,403	100,531	202,666
South Carolina	0.655	0.706	0.642	166,003	52,526	80,122
Tennessee	0.626	0.618	0.685	148,437	90,475	189,060
Texas	0.587	0.570	0.659	1,739,868	1,564,992	2,467,296
Virginia	0.664	0.583	0.617	70,756	40,017	29,616
Other States ³	-	0.636	-	-	134,944	-
United States	0.613	0.612	0.671	4,727,124	3,743,765	5,302,092
American-Pima:						
Arizona	(D)	(D)	(D)	(D)	(D)	(D)
California	1.570	(D)	(D)	376,800	(D)	(D)
New Mexico	(D)	(D)	(D)	(D)	(D)	(D)
Texas	1.300	1.070	(D)	17,472	14,381	(D)
Other States ³	1.402	1.187	1.383	25,845	230,832	369,989
United States	1.550	1.180	1.383	420,117	245,213	369,989
All:						
United States	0.657	0.645	0.697	5,147,241	3,988,978	5,672,081

(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, 2016 - December 31, 2016. ³Includes data withheld above.
 NASS, Crops Branch, (202) 720-2127.

Table 2-3.—Cotton: Area, yield, production, and type by State and United States, 2014–2016

State	Area planted			Area harvested		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Upland:						
Alabama	350.0	315.0	345.0	348.0	307.0	343.0
Arizona	150.0	89.0	120.0	149.0	88.0	118.0
Arkansas	335.0	210.0	380.0	330.0	207.0	375.0
California	57.0	47.0	63.0	56.0	46.0	62.0
Florida	107.0	85.0	103.0	105.0	83.0	102.0
Georgia	1,380.0	1,130.0	1,180.0	1,370.0	1,120.0	1,165.0
Kansas	31.0	16.0	32.0	29.0	16.0	31.0
Louisiana	170.0	115.0	140.0	168.0	112.0	137.0
Mississippi	425.0	320.0	435.0	420.0	315.0	430.0
Missouri	250.0	185.0	280.0	245.0	175.0	266.0
New Mexico	43.0	35.0	47.0	33.0	31.0	41.0
North Carolina	465.0	385.0	280.0	460.0	355.0	255.0
Oklahoma	240.0	215.0	305.0	210.0	205.0	290.0
South Carolina	280.0	235.0	190.0	278.0	136.0	183.0
Tennessee	275.0	155.0	255.0	270.0	140.0	250.0
Texas	6,200.0	4,800.0	5,650.0	4,600.0	4,500.0	5,200.0
Virginia	87.0	85.0	73.0	86.0	84.0	72.0
United States	10,845.0	8,422.0	9,878.0	9,157.0	7,920.0	9,320.0
American Pima:						
Arizona	15.0	17.5	14.5	14.5	17.0	11.0
California	155.0	117.0	155.0	154.0	116.0	154.0
New Mexico	5.4	7.0	8.0	5.3	6.9	7.8
Texas	17.0	17.0	17.0	16.0	15.0	15.0
United States	192.4	158.5	194.5	189.8	154.9	187.8
All:						
United States	11,037.4	8,580.5	10,072.5	9,346.8	8,074.9	9,507.8
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, 2007/2008–2016/2017

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 ³	Quantity	Percentage of production		
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>				
2007/2008	6.67/6.43	52.00	72.40	14,636	79.7	169	0
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 ⁴	(NA)	52.00	(NA)	9,373	56.4	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 Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. ⁴ Acquisitions as of June 30, 2017.
 FSA, Fibers, Peanuts, Tobacco, (202) 401-0062.

Table 2-5.—International Cotton: Area, yield, and production in specified countries, 2013/2014–2015/2016

Country	Area			Yield per hectare			Production		
	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016
	<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>
Argentina	436	205	285	2,047.00	2,443.00	1,910.00	4,100	2,300	2,500
Brazil	1,120	1,020	950	1,555.00	1,494.00	1,536.00	8,000	7,000	6,700
Burkina	647	660	625	421.00	445.00	418.00	1,250	1,350	1,200
China	4,800	4,400	3,400	1,486.00	1,484.00	1,524.00	32,750	30,000	23,800
India	11,700	12,700	11,800	577.00	506.00	494.00	31,000	29,500	26,800
Mali	450	538	580	411.00	433.00	413.00	850	1,070	1,100
Pakistan	2,900	2,950	2,800	713.00	782.00	544.00	9,500	10,600	7,000
Turkey	330	430	370	1,517.00	1,620.00	1,559.00	2,300	3,200	2,650
Turkmenistan	575	545	500	587.00	609.00	566.00	1,550	1,525	1,300
Uzbekistan	1,300	1,285	1,285	687.00	661.00	627.00	4,100	3,900	3,700
Others	5,480	5,506	5,062	2.21	2.25	2.08	12,097	12,386	10,528
Total foreign	29,738	30,239	27,657	3.61	3.40	3.16	107,497	102,831	87,278
United States	3,053	3,783	3,261	921.00	939.00	864.00	12,909	16,319	12,943
Total	32,791	34,022	30,918	3.67	3.50	3.24	120,406	119,150	100,221

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.

II-4 STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

Table 2-6.—Cotton: Supply and distribution, United States, 2004–2013

Year beginning August 1	Supply			Distribution				
	Beginning of season total ²	Ginnings in season ¹	Total supply ²	Consumption ¹			Exports	Carryover, end of season ²
				Upland	American Pima	Total		
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
2004	3,381	22,576	25,957	5,968	60	6,028	13,593	5,411
2005	5,368	23,253	28,621	5,604	49	5,653	17,038	5,877
2006	5,878	20,998	26,872	(D)	(D)	4,745	12,631	9,221
2007	9,223	18,713	27,929	(D)	(D)	4,499	13,237	9,699
2008	9,699	12,462	22,154	(D)	(D)	3,439	12,875	6,135
2009	6,136	11,832	17,963	(D)	(D)	3,336	11,687	2,852
2010	2,850	17,643	20,786	(D)	(D)	3,490	13,958	2,940
2011	2,600	15,153	18,190	(D)	(D)	3,300	11,710	3,350
2012	3,350	16,834	20,680	(D)	(D)	3,500	13,030	3,900
2013 ³	3,900	12,521	16,421	(D)	(D)	3,600	10,400	2,800

(D) Withheld to avoid disclosing data for individual companies. ¹Ginnings during the 12 months, Aug. 1–July 31. ²Includes an allowance for "city crop" which consists of rebaled samples and pickings from cotton damaged by fire and weather. ³May include small volume of foreign growths. ³Preliminary.
AMS, Cotton and Tobacco Program, (901) 384–3016. Compiled from reports of the Bureau of the Census. Bureau of the Census discontinued the report containing this information.

Table 2-7.—Cotton, American Upland: Percentage distribution of fiber strength, United States, 2009–2013

Fiber strength ¹	Year				
	2009	2010	2011	2012	2013
17 and below	-	-	*	-	-
18	*	*	*	*	*
19	*	*	*	*	*
20	*	*	*	*	*
21	*	*	*	*	*
22	*	*	*	*	*
23	0.1	*	0.1	0.1	*
24	0.4	0.2	0.3	0.2	0.1
25	1.4	0.6	0.9	0.8	0.4
26	4.9	2.1	2.8	3.1	1.7
27	11.8	5.9	6.9	8.2	5.4
28	19.7	12.5	13.0	13.7	11.8
29	21.9	18.7	17.6	17.2	17.0
30	17.8	20.6	18.6	18.5	19.0
31	11.6	17.1	16.1	16.1	17.7
32	5.9	11.5	10.9	11.1	13.4
33	2.4	6.2	6.5	6.1	7.7
34	1.1	2.9	3.7	3.0	3.7
35	0.6	1.2	1.6	1.3	1.5
36 and above	0.3	0.5	0.7	0.6	0.5
Average	29.1	30.0	30.0	29.9	30.3

¹Fiber strength expressed in terms of 1/8" gage (grams per tex). *Less than 0.05 percent.
AMS, Cotton and Tobacco Program, (901) 384–3016.

Table 2-8.—Cotton, American Upland: Estimated percentage of the crop forward contracted by growers, by States, 2006–2013

State	Crop of—							
	2006	2007	2008	2009	2010	2011	2012	2013
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Alabama	15	2	10	3	15	41	32	30
Arizona	-	4	6	-	16	1	5	3
Arkansas	12	3	5	-	17	63	33	18
California	*	*	-	-	14	7	8	4
Florida	-	-	16	10	30	18	8	15
Georgia	2	*	12	16	29	20	18	40
Louisiana	22	39	68	2	64	57	49	15
Mississippi	14	14	6	13	6	54	21	11
Missouri	3	-	19	*	9	78	35	29
New Mexico	-	-	-	-	-	-	-	1
North Carolina	9	1	10	4	29	52	14	33
Oklahoma	-	-	-	-	-	-	-	-
South Carolina	6	6	10	2	22	30	7	34
Tennessee	3	-	1	10	10	69	38	20
Texas	3	3	11	3	22	33	5	5
United States	7	4	12	4	19	38	14	17

*Less than 0.5 percent.
AMS, Cotton and Tobacco Program, (901) 384–3016.

Table 2-9.—Cotton, American Upland: Carryover and crop, running bales, by grade groupings, United States, 2003–2012

Year beginning August 1	White color grades					Light spotted color grades				Other color grades ¹	All grades ²
	21 and higher	31	41	51	61 and 71	22 and higher	32	42	52 and lower		
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
Carryover:											
2003	596	988	1,804	502	8	37	193	475	251	115	4,972
2004	435	1,573	1,106	54	1	22	47	51	7	19	3,314
2005	975	1,042	1,609	530	18	42	154	505	186	339	5,402
2006	1,642	2,178	1,466	90	1	68	92	146	62	66	5,810
2007	1,874	3,909	2,611	132	3	59	133	209	127	39	9,096
2008	2,373	4,149	2,466	123	4	77	137	200	126	38	9,692
2009	852	1,999	2,536	236	0	45	64	84	55	3	5,874
2010	336	408	1,547	234	0	42	17	83	98	71	2,838
2011	654	842	666	228	9	21	73	138	222	41	2,899
2012	340	595	1,633	202	0	44	18	97	81	72	3,081
Crop:											
2003	3,971	7,755	4,423	193	2	156	278	319	67	124	17,290
2004	4,063	5,228	7,079	1,955	45	180	605	1,328	567	782	21,832
2005	7,698	8,029	4,297	541	5	303	591	699	312	164	22,638
2006	3,785	8,145	6,842	397	4	146	296	425	198	24	20,262
2007	6,376	3,794	4,788	592	4	188	238	1,184	745	16	17,925
2008	2,160	4,557	4,285	391	2	169	171	161	166	12	12,075
2009	2,696	3,419	3,665	776	21	55	97	241	419	30	11,419
2010	7,099	5,693	2,668	382	7	221	264	402	278	124	17,138
2011	3,475	5,029	4,190	321	4	348	199	416	155	118	14,255
2012	4,075	4,805	5,545	285	1	421	310	374	80	157	16,053

¹ Includes all color grades of Spotted, Tinged, Yellow Stained, and Below Grade. ² Bales classed as reported by AMS, Cotton and Tobacco Program.
AMS, Cotton and Tobacco Program, (901) 384–3016.

Table 2-10.—Cotton, American Upland: Carryover and crop, running bales, by staple groupings, United States, 2003–2012

Year beginning August 1	Staple										All staples ¹
	26 and shorter	28	29	30	31	32	33	34	35	36 and longer	
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
Carryover:											
2003	-	(²)	15	35	69	214	708	1,495	1,357	1,079	4,972
2004	-	1	3	14	33	142	389	1,189	869	674	3,314
2005	-	1	4	17	77	213	543	1,128	1,615	1,803	5,402
2006	-	-	(²)	4	32	173	510	1,582	1,849	1,659	5,810
2007	-	(²)	(²)	5	62	382	924	1,873	2,236	3,613	9,096
2008	-	(²)	(²)	6	62	368	892	1,827	2,312	4,225	9,692
2009	-	-	-	3	11	61	337	816	1,423	3,224	5,874
2010	-	-	(²)	-	(²)	63	48	255	825	1,647	2,838
2011	-	(²)	(²)	8	44	176	335	611	765	958	2,899
2012	-	-	(²)	-	(²)	63	47	298	907	1,766	3,081
Crop:											
2003	(²)	1	10	57	202	624	2,205	4,873	4,805	4,512	17,290
2004	(²)	1	9	56	196	723	2,175	4,630	6,543	7,499	21,832
2005	(²)	(²)	1	16	127	650	2,460	5,892	7,261	6,232	22,638
2006	(²)	1	7	29	136	588	1,764	3,735	5,181	8,821	20,262
2007	-	(²)	2	14	113	524	1,574	3,293	4,376	8,030	17,925
2008	-	(²)	1	7	41	195	685	1,675	2,541	6,930	12,075
2009	(²)	(²)	2	11	39	120	488	1,828	3,461	5,468	11,419
2010	-	(²)	1	8	61	317	1,128	2,788	4,371	8,465	17,138
2011	(²)	1	7	32	123	386	947	1,969	3,329	7,461	14,255
2012	(²)	1	4	22	90	285	675	1,574	2,651	9,783	16,052

¹ Carryover as reported by the Bureau of the Census, Crop as reported by AMS, Cotton and Tobacco Program. ² Less than 500 bales.
AMS, Cotton and Tobacco Program, (901) 384–3016.

Table 2-11.—Cotton, American Pima: Carryover and crop, running bales, by grade and staple, United States, 2007-2012

Year beginning August 1	Grade					Staple				All grades and staples ¹
	01 and 02	03	04	05	06 and 07	42 and shorter	44	46	48 and longer	
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
Carryover:										
2007	76.0	45.1	1.7	1.9	0.1	0.0	51.4	56.1	18.1	125.6
2008	65.5	75.0	0.8	2.9	1.6	0.0	31.7	91.7	22.7	146.2
2009	243.5	15.3	2.1	0.3	0.5	0.1	25.4	128.2	107.8	261.5
2010	14.2	0.5	0.1	0.0	0.0	0.0	1.6	1.9	11.3	14.8
2011	8.5	6.9	20.3	2.5	2.3	0.0	3.8	14.4	23.1	41.3
2012	256.0	8.9	2.4	0.4	0.4	0.0	28.1	35.6	204.3	268.0
Crop:										
2007	784.1	29.0	7.3	1.9	0.3	0.4	51.8	400.7	369.9	822.7
2008	391.1	18.5	1.8	0.3	1.0	0.0	10.5	126.7	275.5	412.7
2009	324.1	51.9	7.7	0.9	0.0	0.0	10.8	118.2	255.5	384.6
2010	411.5	57.9	10.8	3.0	0.4	0.1	8.5	96.8	377.9	483.3
2011	755.3	49.2	11.9	6.4	0.9	0.1	13.6	171.4	638.7	823.8
2012	716.0	31.7	2.3	0.5	0.2	0.3	25.2	212.8	512.5	750.8

¹ Carryover as reported by the Bureau of the Census; crop as reported by AMS, Cotton and Tobacco Program. AMS, Cotton and Tobacco Program, (901) 384-3016.

Table 2-12.—Cotton, Upland: Average staple length of Upland cotton classed, by State and United States, 2007-2013

State	Average staple length (32ds of an inch) ¹						
	2007	2008	2009	2010	2011	2012	2013
Alabama	33.8	34.3	34.8	34.3	35.6	35.8	35.5
Arizona	35.7	36.3	36.2	36.4	36.0	36.0	36.2
Arkansas	35.0	36.1	35.6	35.5	36.1	36.2	36.8
California	37.2	38.1	38.0	38.2	37.7	37.4	37.5
Florida	34.4	35.0	34.8	35.1	36.1	36.2	35.8
Georgia	34.4	34.5	34.9	34.9	35.9	36.0	36.0
Kansas	35.1	35.7	35.6	35.2	34.9	34.6	34.4
Louisiana	34.8	34.5	35.1	35.0	34.9	35.4	35.6
Mississippi	34.6	35.9	35.5	34.9	35.8	36.1	36.3
Missouri	34.8	36.0	35.7	35.6	36.3	36.1	36.1
New Mexico	37.0	37.2	36.5	36.5	36.5	36.3	36.7
North Carolina	33.9	34.8	35.0	34.8	34.8	35.9	36.1
Oklahoma	35.4	36.0	35.5	35.4	35.2	34.9	35.2
South Carolina	33.6	35.2	35.1	35.5	35.5	36.1	36.2
Tennessee	33.3	35.1	35.0	34.7	35.4	35.1	35.7
Texas	36.0	36.3	35.6	35.7	34.5	35.1	35.4
Virginia	34.0	34.5	35.4	34.3	34.8	36.0	36.3
Other States	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
United States	35.3	35.7	35.5	35.5	35.5	35.7	35.8

(NA) Not available. ¹ Average calculated on numerical equivalents of the staple-length designations. For example, 7/8-inch = 28, 29/32-inch = 29, etc. AMS, Cotton and Tobacco Program, (901) 384-3016.

Table 2-13.—Cotton: United States exports by country of destination, 2014–2016

Country of destination	Year		
	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cotton linters:			
Spain	6,945	2,162	4,233
China	8,802	11,305	3,626
Japan	6,203	6,330	2,010
Germany(*)	1,490	669	955
France(*)	155	197	149
Mexico	7	128	140
United Kingdom	86	0	79
Canada	90	53	53
Sweden	12	12	23
Vietnam	7	12	20
South Africa	0	0	16
Chile	0	5	10
Venezuela	0	0	8
Guatemala	37	14	8
United Arab Emirates	0	0	6
Malaysia	0	0	5
Peru	0	0	3
Argentina	0	0	2
Australia(*)	47	0	0
Barbados	0	10	0
Belgium-Luxembourg(*)	0	137	0
Brazil	0	16	0
Costa Rica	0	0	0
Egypt	0	0	0
Czech Republic	0	7	0
Indonesia	0	0	0
Israel(*)	2	0	0
Jamaica	0	10	0
Kuwait	0	0	0
Rest of World	68	102	0
World Total	23,949	21,170	11,348
Cotton < 1:			
Taiwan	2,890	3,893	12,121
Thailand	3,455	3,695	7,064
Vietnam	775	628	4,390
Japan	2,072	2,726	2,524
China	3,495	2,189	2,312
Turkey	2,565	3,818	1,707
Indonesia	342	0	1,127
Mexico	5,815	1,021	937
Gabon	0	0	559
Korea, South	2,643	83	255
Italy(*)	0	1	196
Switzerland(*)	0	0	173
Brazil	0	0	134
Austria	0	97	99
Dominican Republic	2	0	94
Panama	39	179	58
Pakistan	0	0	39
India	217	0	28
Colombia	20	0	23
Germany(*)	1	0	20
Nicaragua	0	0	18
Morocco	0	0	12
New Zealand(*)	0	0	11
Chile	0	0	11
Spain	0	4	6
Ecuador	51	0	5
Belgium-Luxembourg(*)	98	0	5
Australia(*)	1	0	3
Saudi Arabia	0	0	3
Rest of World	1,956	194	4
World Total	26,436	18,527	33,937

See footnote(s) at end of table.

Table 2-13.—Cotton: United States exports by country of destination, 2014–2016—Continued

Country of destination	Year		
	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cotton > 1 < 1 1/8:			
China	160,499	222,099	295,002
Turkey	182,387	205,645	195,301
Mexico	203,900	145,821	122,538
Vietnam	99,770	110,575	89,481
Indonesia	188,477	173,830	83,817
Pakistan	33,763	39,873	39,492
Taiwan	26,949	32,784	35,763
Thailand	32,419	34,640	33,512
Korea, South	21,176	22,804	27,690
Bangladesh	24,076	20,729	22,105
El Salvador	12,634	12,973	14,945
Guatemala	18,962	17,488	14,167
Colombia	4,773	10,315	12,531
Japan	27,688	32,733	11,957
Peru	2,014	15,327	11,502
Morocco	8,108	0	10,003
Malaysia	18,548	17,786	9,732
Ecuador	12,321	14,967	8,279
Brazil	7,461	7,202	6,859
Philippines	5,373	4,983	6,628
India	371	2,890	2,839
Hong Kong	458	853	1,794
Egypt	78	243	986
Singapore	494	447	808
Venezuela	138	319	695
Germany(*)	219	180	138
Bahrain	199	1,692	102
Tunisia	343	0	98
Belgium-Luxembourg(*)	100	114	68
Rest of World	18,957	13,745	212
World Total	1,112,655	1,163,056	1,059,044
Pima >= 1 3/8:			
India	5,783	12,362	37,926
China	27,568	12,870	25,759
Vietnam	1,810	1,276	3,589
Egypt	1,536	1,647	3,125
Turkey	9,291	1,725	3,075
Pakistan	3,565	5,225	2,972
Peru	2,444	3,630	2,366
Indonesia	6,409	480	2,031
Japan	3,167	1,566	1,276
Germany(*)	2,141	1,680	1,247
Thailand	3,466	4,166	943
Korea, South	8,670	61	453
Mexico	346	78	217
Austria	38	0	199
Colombia	78	136	174
Brazil	38	1	137
Taiwan	882	801	134
Honduras	150	99	118
Philippines	0	193	97
Italy(*)	196	135	97
Guatemala	58	21	20
United Kingdom	0	20	19
Belgium-Luxembourg(*)	0	0	2
Australia(*)	0	0	0
Bangladesh	1,049	0	0
Ecuador	0	0	0
Hong Kong	0	0	0
Iraq	0	0	0
Mauritius	0	0	0
Rest of World	282	271	0
World Total	78,966	48,443	85,977

See footnote(s) at end of table.

Table 2-13.—Cotton: United States exports by country of destination, 2014–2016—Continued

Country of destination	Year		
	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cotton Other > 1 1/8:			
Vietnam	55,660	207,948	233,928
Turkey	209,393	150,081	204,449
China	298,488	288,477	194,003
Indonesia	60,586	78,209	129,044
Pakistan	11,719	46,682	104,339
Korea, South	63,341	118,195	91,233
India	19,309	25,444	61,783
Thailand	50,243	58,645	57,677
Taiwan	30,008	35,333	32,249
Bangladesh	21,659	17,301	30,581
Peru	47,185	34,106	26,826
Brazil	2,993	20	20,163
Mexico	21,321	9,575	20,082
Malaysia	1,768	15,222	15,697
Egypt	4,959	18,185	12,340
Costa Rica	1,231	8,497	11,248
Colombia	4,413	4,505	8,496
Japan	8,538	7,015	7,668
Guatemala	2,948	3,543	6,462
Ecuador	4,879	4,759	6,202
El Salvador	1,026	2,636	3,818
Honduras	3,104	2,008	2,409
Bahrain	258	1,686	2,291
Germany(*)	1,296	1,685	1,347
Nicaragua	1	0	1,310
Philippines	942	3,796	1,057
Italy(*)	1,120	3,976	874
Venezuela	1,600	1,358	676
Singapore	730	0	383
Rest of World	17,995	17,250	1,400
World Total	948,713	1,166,137	1,290,035

(*) 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.

II-10 STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

Table 2-14.—Cotton excluding linters: United States exports and imports for consumption, by country of origin, 2013–2016

Country of origin	Year beginning August			
	2013	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Exports:				
Vietnam	214,697	218,744	431,952	536,908
Turkey	428,171	425,149	301,445	331,768
China	1,076,103	518,029	477,366	305,891
Indonesia	138,703	167,108	189,264	221,683
Mexico	218,857	209,870	216,318	216,537
Pakistan	96,283	39,359	72,636	129,455
India	31,783	30,083	48,122	112,268
Korea, South	86,220	102,342	151,073	103,898
Thailand	86,572	89,582	101,146	99,196
Taiwan	68,190	67,543	79,901	83,997
Bangladesh	50,465	45,382	40,105	58,271
Guatemala	21,766	29,955	36,469	42,245
Peru	59,968	62,082	52,703	37,471
Brazil	13,750	11,139	21	30,437
Malaysia	15,101	3,902	30,624	27,199
Japan	26,275	26,410	24,279	26,414
Colombia	28,611	23,474	22,129	22,861
Egypt	13,782	10,033	21,312	15,465
El Salvador	25,873	19,574	20,422	13,550
Ecuador	20,473	10,303	9,742	12,835
Costa Rica	77	1,231	8,527	11,251
Philippines	7,156	8,402	11,191	8,012
Bahrain	2,393	716	2,539	4,086
Venezuela	1,253	2,151	4,248	3,515
Honduras	3,135	3,453	3,838	2,629
Germany(*)	5,905	3,856	3,431	2,613
Italy(*)	1,587	1,810	4,560	1,974
Nicaragua	87	176	1,464	1,332
Spain	1,673	5,593	7,432	992
Rest of World	45,328	29,324	21,906	4,239
World Total	2,790,237	2,166,771	2,396,162	2,468,993
Imports:				
Brazil	0	0	0	5,086
India	21	207	1,062	1,407
Egypt	1,096	1,440	954	733
Kazakhstan	0	0	0	35
Tajikistan	0	0	0	20
Germany(*)	0	21	14	15
France(*)	0	0	33	1
Taiwan	0	0	0	1
Turkey	965	1,171	537	1
Mexico	14	0	1	0
China	1	0	0	0
Japan	-	0	-	0
South Africa	0	0	0	-
United Kingdom	0	0	0	-
Canada	0	0	0	0
Hong Kong	0	-	0	0
Italy(*)	0	0	0	0
Kyrgyzstan	20	0	0	0
Pakistan	37	56	59	0
Sweden	0	0	-	0
Zambia	94	0	0	0
World Total	2,248	2,894	2,660	7,298

(*) 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.

Table 2-15.—Cotton: International trade, 2013/2014–2015/2016 ¹

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales²</i>
Principle exporting countries:			
Australia	4,852	2,393	2,750
Benin	525	675	675
Brazil	2,230	3,910	4,200
Burkina	1,250	1,125	1,300
Cote d'Ivoire	725	850	800
Greece	1,285	1,168	900
India	9,261	4,199	5,500
Mali	800	750	1,200
Turkmenistan	1,625	1,500	1,000
Uzbekistan	2,700	2,450	2,300
Others	5,030	5,110	4,776
Total foreign	30,283	24,130	25,401
United States	10,530	11,246	9,500
Total	40,813	35,376	34,901
Principle importing countries:			
Bangladesh	5,300	5,400	5,750
China	14,122	8,284	5,000
India	675	1,226	900
Indonesia	2,989	3,345	3,100
Korea, South	1,286	1,321	1,300
Mexico	1,040	830	975
Pakistan	1,200	835	2,300
Thailand	1,546	1,475	1,425
Turkey	4,246	3,675	3,800
Vietnam	3,200	4,300	5,200
Others	5,662	5,009	5,159
Total foreign	41,266	35,700	34,909
United States	13	12	10
Total	41,279	35,712	34,919

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.

II-12 STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

Table 2-16.—Cotton, American Upland: High, low, and season average spot prices for the base quality in the designated markets, cents per pound, 2005–2013

Season beginning August 1	Grade 41 Staple 34 ¹		
	Average	High	Low
	Cents	Cents	Cents
2005	48.96	53.25	43.46
2006	48.67	60.67	42.84
2007	61.50	79.16	50.34
2008	47.87	62.69	36.28
2009	67.76	78.90	50.98
2010	137.88	209.60	80.18
2011	85.81	110.87	60.71
2012	75.24	87.55	65.11
2013	80.28	89.14	63.53

¹ Prices are for mixed lots, net weight, compressed, FOB car/truck. AMS, Cotton and Tobacco Program, (901) 384-3016.

Table 2-17.—Cotton, American Upland: Percentage distribution of mike readings, by specified groups, United States, 2004–2013

Year beginning August 1	Mike groups						
	26 and below	27 to 29	30 to 32	33 to 34	35 to 49	50 to 52	53 and above
	Percent						
2004	0.4	1.5	3.4	3.7	83.8	6.4	0.8
2005	*	1.5	4.0	4.4	82.0	6.5	5.8
2006	1.1	1.8	2.7	2.3	79.2	10.8	1.8
2007	0.1	0.6	1.8	2.8	87.4	6.5	0.8
2008	0.5	1.1	2.8	3.9	77.2	9.7	1.4
2009	1.9	2.6	3.9	3.7	81.0	6.0	0.9
2010	0.1	0.4	1.3	1.8	75.6	16.9	3.8
2011	0.1	0.3	0.8	1.1	80.9	14.0	2.9
2012	0.4	0.9	1.8	1.9	75.0	15.7	4.3
2013	0.4	1.3	3.1	3.2	78.2	12.2	1.6

(*) Less than 0.05 percent. AMS, Cotton and Tobacco Program, (901) 384-3016.

Table 2-18.—Cotton, American Upland: Average spot prices for specified grades of staple 34 in the designated markets for mixed lots, net weight, compressed, FOB car/truck, cents per pound, 2004–2013

Year beginning August 1	White				Light Spotted			Spotted	
	Color 31 Leaf 3	Color 41 Leaf 4	Color 51 Leaf 5	Color 61 Leaf 6	Color 32 Leaf 3	Color 42 Leaf 4	Color 52 Leaf 5	Color 33 Leaf 3	Color 43 Leaf 4
	<i>Cents</i>								
2004	48.40	45.61	41.59	39.11	45.70	43.30	40.38	42.51	40.75
2005	51.33	48.96	44.84	42.34	48.72	46.42	43.41	45.98	44.05
2006	50.83	48.67	44.56	42.12	48.39	46.25	43.24	45.75	43.81
2007	63.46	61.50	57.35	54.95	61.16	59.01	56.09	58.58	56.59
2008	49.83	47.87	43.73	41.33	47.55	45.37	42.48	44.95	42.87
2009	69.97	67.76	63.47	61.21	67.44	65.26	62.37	64.84	62.76
2010	139.98	137.88	133.45	131.28	137.56	135.38	132.49	134.96	132.88
2011	87.64	85.81	81.16	79.29	85.32	81.52	80.16	82.84	79.32
2012	76.87	75.24	70.56	68.76	74.67	70.81	69.46	72.16	68.67
2013	81.68	80.28	75.64	73.83	79.71	77.39	74.49	77.20	75.17

AMS, Cotton and Tobacco Program, (901) 384–3016.

Table 2-19.—Cotton, American Upland: Average spot prices for specified staple lengths of Color 41 Leaf 4 in the designated markets for mixed lots, net weight, compressed, FOB car/truck, cents per pound, 2004–2013

Year beginning August 1	Staple								
	28	29	30	31	32	33	34	35	
	<i>Cents</i>								
2004	41.54	41.54	42.13	43.28	43.32	44.07	45.61	47.02	
2005	44.26	44.26	44.96	46.13	46.14	46.84	48.96	50.36	
2006	43.92	43.92	44.67	45.79	45.89	46.53	48.67	49.97	
2007	56.75	56.75	57.50	58.62	58.50	59.27	61.50	62.69	
2008	43.12	43.12	43.87	44.99	44.82	45.62	47.87	49.04	
2009	62.83	62.83	63.58	64.71	64.71	65.51	67.76	68.98	
2010	132.76	132.76	133.51	134.63	134.83	135.63	137.88	139.09	
2011	79.54	79.54	79.54	79.54	82.20	82.66	85.81	86.90	
2012	69.18	69.18	69.18	69.18	71.52	72.03	75.24	76.52	
2013	75.17	75.17	75.17	75.17	77.05	77.44	80.28	81.58	

AMS, Cotton and Tobacco Program, (901) 384–3016.

Table 2-20.—Cotton, American Upland: Season average spot prices for the base quality, by designated markets, cents per pound, 2008–2013¹

Market	Color 41, Leaf 4, Staple 34 ²					
	2008	2009	2010	2011	2012	2013
	<i>Cents</i>					
Southeast	48.97	70.13	139.70	87.75	77.50	82.74
North Delta	47.99	69.30	139.02	86.90	76.56	81.85
South Delta	47.99	69.30	139.02	86.95	76.56	81.85
East TX–OK	47.08	66.57	135.51	83.30	73.78	79.27
West Texas	46.93	66.38	135.10	83.31	73.68	79.13
Desert SW	47.03	65.40	137.91	85.73	73.86	78.23
SJ Valley	49.10	67.20	138.91	86.74	74.74	78.88
Average	47.87	67.76	137.88	85.81	75.21	80.28

¹ Year beginning August 1. ² Prices are for mixed lots, net weight, compressed, FOB car/truck.
AMS, Cotton and Tobacco Program, (901) 384–3016.

II-14 STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

Table 2-21.—Sugarbeets: Area, yield, production, and value, United States, 2007–2016 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
2007	1,268.8	1,246.8	25.5	31,834	42.00	1,337,173
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	1,667,874
2016	1,163.4	1,126.2	32.7	36,881		

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

Table 2-22.—Sugarbeets: Area, yield, and production, by State and United States, 2014–2016

State	Area planted			Area harvested			Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016
	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 ...	24.3	24.7	25.3	22.5	24.7	25.0	42.6	44.7	44.3	959	1,104	1,108
Colorado	29.6	27.5	28.1	29.3	27.3	27.6	31.3	35.1	33.6	917	958	927
Idaho	170.0	174.0	172.0	169.0	172.0	170.0	37.3	38.3	41.4	6,304	6,588	7,038
Michigan	151.0	152.0	151.0	150.0	151.0	149.0	29.3	31.7	30.8	4,395	4,787	4,589
Minnesota	440.0	443.0	437.0	434.0	435.0	417.0	22.5	28.0	30.0	9,765	12,180	12,510
Montana	45.1	44.0	45.6	44.4	43.7	45.3	32.3	33.0	35.0	1,434	1,442	1,586
Nebraska	49.1	47.5	48.0	45.9	46.8	47.2	29.1	28.4	29.9	1,336	1,329	1,411
North Dakota	215.0	208.0	213.0	214.0	206.0	203.0	23.8	27.9	30.8	5,093	5,747	6,242
Oregon	7.5	7.8	10.7	7.2	7.7	10.2	34.5	38.6	42.0	248	297	428
Washington	(NA)	(NA)	2.0	(NA)	(NA)	1.9	(NA)	(NA)	47.9	(NA)	(NA)	91
Wyoming	30.9	31.3	30.7	30.0	31.2	30.0	27.8	30.1	31.7	834	939	951
United States	1,162.5	1,159.8	1,163.4	1,146.3	1,145.4	1,126.2	27.3	30.9	32.7	31,285	35,371	36,881

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

Table 2-23.—Sugarbeets: Production and value, by State and United States, 2014–2015

State	Production		Marketing year average price per ton received by farmers		Value of production	
	2014	2015	2014	2015	2014	2015
	1,000 tons	1,000 tons	Dollars	Dollars	1,000 dollars	1,000 dollars
California ¹	959	1,104	45.60	45.60	43,730	50,342
Colorado	917	958	46.70	51.00	42,824	48,858
Idaho	6,304	6,588	45.00	45.50	283,680	299,754
Michigan	4,395	4,787	49.10	45.30	215,795	216,851
Minnesota	9,765	12,180	45.10	46.40	440,402	565,152
Montana	1,434	1,442	49.70	52.90	71,270	76,282
Nebraska	1,336	1,329	48.70	51.30	65,063	68,178
North Dakota	5,093	5,747	44.20	48.30	225,111	277,580
Oregon	248	297	45.00	45.50	11,160	13,514
Wyoming	834	939	49.20	54.70	41,033	51,363
United States	31,285	35,371	46.00	47.20	1,440,068	1,667,874

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

Table 2-24.—Sugarcane for sugar and seed: Area, yield, production, and value, United States, 2007–2016

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
2007	827.9	51.7	879.6	34.2	32.8	34.1	28,273	1,696	29,969
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	30,555	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	30,371	32,118

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	31.00	948,046	995,122

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

Table 2-25.—Sugarcane for sugar and seed: Production and value, by State and United States, 2014–2015

State	Sugarcane for sugar						Sugar and seed: Value of production ¹	
	Production ²		Price per ton		Value of production		2014	2015
	2014	2015	2014	2015	2014	2015		
	1,000 tons	1,000 tons	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Florida	15,053	16,915	36.80	35.60	553,950	602,174	579,158	628,447
Hawaii	1,261	1,139	43.10	40.70	54,349	46,357	56,289	48,148
Louisiana	11,387	11,396	33.60	24.70	382,603	281,481	407,400	299,759
Texas	1,194	1,105	9.41	16.32	11,236	18,034	11,810	18,768
United States	28,895	30,555	34.70	31.00	1,002,138	948,046	1,054,657	995,122

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 2-26.—Sugarcane for sugar and seed: Area, yield, and production, by State and United States, 2014–2016

State	Area harvested			Yield per acre ¹			Cane production ¹		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
For sugar									
Florida	392.0	398.0	400.0	38.4	42.5	40.3	15,053	16,915	16,120
Hawaii	14.2	12.9	15.5	88.8	88.3	86.2	1,261	1,139	1,336
Louisiana	386.0	385.0	400.0	29.5	29.6	28.8	11,387	11,396	11,520
Texas	31.5	35.2	37.7	37.9	31.4	37.0	1,194	1,105	1,395
United States	823.7	831.1	853.2	35.1	36.8	35.6	28,895	30,555	30,371
For seed:									
Florida	16.0	15.0	17.0	42.8	49.2	46.1	685	738	784
Hawaii	2.2	2.2	-	20.4	20.0	-	45	44	-
Louisiana	25.0	25.0	31.0	29.5	29.6	28.8	738	740	893
Texas	1.6	1.4	1.9	37.9	32.1	37.0	61	45	70
United States	44.8	43.6	49.9	34.1	35.9	35.0	1,529	1,567	1,747
For sugar and seed:									
Florida	408.0	413.0	417.0	38.6	42.7	40.5	15,738	17,653	16,904
Hawaii	16.4	15.1	15.5	79.6	78.3	86.2	1,306	1,183	1,336
Louisiana	411.0	410.0	431.0	29.5	29.6	28.8	12,125	12,136	12,413
Texas	33.1	36.6	39.6	37.9	31.4	37.0	1,255	1,150	1,465
United States	868.5	874.7	903.1	35.0	36.7	35.6	30,424	32,122	32,118

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

Table 2-27.—Sugar, cane (raw value¹): Refiners' raw stocks, receipts, meltings, continental United States, 2007–2016

Year	Jan. 1 stocks	Receipts ²	Meltings
	1,000 tons	1,000 tons	1,000 tons
2007		358	5,464
2008		304	5,329
2009		468	5,577
2010		346	5,843
2011		257	5,534
2012		498	5,805
2013		574	5,938
2014		592	6,135
2015		556	6,552
2016		322	6,434

¹Raw value is the equivalent in terms of 96° sugar. ²Receipts 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 2-28.—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.

Table 2-29.—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 2-30.—Sugar (raw and refined): Average price per pound at specified markets, 2007–2016

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
2007	9.91	20.99	25.06	51.48
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

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.

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Table 2-31.—Sugar, centrifugal: International trade, 2012/2013–2014/2015

Country	2012/2013	2013/2014	2014/2015
1,000 Metric tons, raw value			
Principle exporting countries:			
Australia	3,100	3,242	3,561
Brazil	27,650	26,200	23,950
Colombia	542	900	845
Cuba	775	992	880
European Union	1,662	1,552	1,610
Guatemala	1,911	2,100	2,200
India	1,261	2,806	2,425
Mexico	2,091	2,661	1,545
South Africa	356	868	772
Thailand	6,693	7,200	8,000
Others	9,236	8,851	8,177
Total Foreign	55,277	57,372	53,965
United States	249	278	168
Total	55,526	57,650	54,133
Principle importing countries:			
Algeria	2,014	1,854	1,844
Bangladesh	1,547	2,085	1,982
China	3,802	4,275	5,058
European Union	3,790	3,262	2,600
India	3,570	3,570	3,050
Indonesia	1,806	1,909	1,881
Iran	1,966	1,897	2,063
Korea, South	1,450	1,470	1,465
Malaysia	1,403	1,320	1,431
United Arab Emirates	2,583	2,108	2,366
Others	25,134	24,120	23,422
Total Foreign	49,065	47,870	47,162
United States	2,925	3,395	3,238
Total	51,990	51,265	50,400

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 2-32.—U.S. Sugar (raw value): Supply and use, includes Puerto Rico, 2007–2016

Fiscal Year	Production	Beginning stocks	Imports	Exports	Total deliveries, domestic use
	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons
2007	8,152	1,799	2,620	203	10,607
2008	7,531	1,664	3,082	136	11,152
2009	7,963	1,534	3,320	211	11,422
2010	7,831	1,498	3,738	248	11,313
2011	8,488	1,378	3,632	269	11,776
2012	8,981	1,979	3,224	274	12,246
2013	8,462	2,158	3,742	306	12,019
2014	8,656	1,810	3,553	185	12,019
2015	8,989	1,815	3,341	74	12,051
2016	8,967	2,054	3,247	95	12,286

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

Table 2-33.—Honey: United States exports and imports for consumption, by country of origin, 2014–2016

Country of origin	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Exports:			
Canada	888	1,089	769
Philippines	269	495	741
China	317	425	641
Korea, South	213	560	488
Kuwait	416	311	418
Yemen(*)	421	206	402
United Arab Emirates	358	272	397
Japan	537	320	230
Hong Kong	59	75	165
Singapore	69	65	104
Taiwan	223	67	83
Australia(*)	20	12	78
Pakistan	59	19	74
Mexico	1	42	66
Bahrain	30	25	62
Barbados	40	56	41
Bahamas, The	43	30	40
Brazil	43	4	38
Panama	25	29	35
Bermuda	35	43	29
Netherlands Antilles(*)	26	30	23
Saudi Arabia	35	95	20
Indonesia	517	11	19
Venezuela	0	0	19
France(*)	0	0	12
Trinidad and Tobago	0	0	8
Bangladesh	0	1	7
Cayman Islands	2	3	5
Cambodia	0	0	5
Rest of World	315	822	26
World Total	4,961	5,107	5,045
Imports:			
Vietnam	47,107	36,973	38,514
Argentina	36,888	27,081	34,708
India	20,290	36,123	29,364
Brazil	19,249	15,440	19,062
Canada	5,612	8,234	13,508
Ukraine	8,876	11,411	11,086
Mexico	7,254	5,364	4,557
Thailand	3,458	10,753	4,238
New Zealand(*)	1,625	1,992	1,858
Turkey	2,581	5,196	1,852
Uruguay	5,362	7,243	1,767
Taiwan	2,524	4,443	1,662
Germany(*)	348	577	904
Dominican Republic	899	1,070	485
France(*)	146	419	455
Burma	459	1,093	428
Spain	147	195	363
Sierra Leone	0	0	208
Bulgaria	411	173	192
Russia	83	115	143
Australia(*)	66	66	129
United Kingdom	8	23	120
Hungary	48	105	118
Greece	81	90	108
China	0	98	105
Italy(*)	144	112	100
Austria	77	90	85
Poland	64	72	58
Romania	8	19	55
Rest of World	1,962	676	284
World Total	165,777	175,244	166,515

(*) 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.

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Table 2-34.—Honey: Number of colonies, yield, production, stocks, price, and value, United States, 2007–2016 ¹

State	Honey producing colonies ²	Yield per colony	Production ³	Stocks Dec 15 ⁴	Average price per pound ⁵	Value of production
	<i>1,000</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
2007	2,443	60.7	148,341	52,635	107.7	159,763
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	207.5	335,905

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 2-35.—Honey: Number of colonies, yield, production, stocks, price and value, by State and United States, 2015 ¹

State	Honey producing colonies ²	Yield per colony	Production	Stocks Dec 15 ³	Average price per pound ⁴	Value of production ⁵
	<i>1,000</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
Alabama	7	47	329	13	383	1,260
Arizona	26	49	1,274	306	203	2,586
Arkansas	24	72	1,728	121	206	3,560
California	275	30	8,250	1,485	203	16,748
Colorado	29	51	1,479	399	226	3,343
Florida	220	54	11,880	832	197	23,404
Georgia	69	40	2,760	221	243	6,707
Hawaii	14	102	1,428	71	191	2,727
Idaho	89	32	2,848	1,082	193	5,497
Illinois	8	51	408	155	466	1,901
Indiana	6	53	318	165	323	1,027
Iowa	36	50	1,800	990	220	3,960
Kansas	8	36	288	107	350	1,008
Kentucky	5	46	230	55	404	929
Louisiana	44	99	4,356	348	195	8,494
Maine	10	47	470	47	543	2,552
Michigan	90	58	5,220	1,984	244	12,737
Minnesota	122	68	8,296	2,157	184	15,265
Mississippi	15	83	1,245	87	240	2,988
Missouri	10	52	520	52	355	1,846
Montana	146	83	12,118	3,757	194	23,509
Nebraska	57	48	2,736	1,450	204	5,581
New Jersey	12	27	324	207	420	1,361
New York	58	62	3,596	899	294	10,572
North Carolina	12	45	540	103	451	2,435
North Dakota	490	74	36,260	9,428	180	65,268
Ohio	17	50	850	357	360	3,060
Oregon	71	38	2,698	809	243	6,556
Pennsylvania	17	53	901	225	362	3,262
South Carolina	14	67	938	38	410	3,846
South Dakota	290	66	19,140	9,379	179	34,261
Tennessee	7	59	413	78	404	1,689
Texas	126	66	8,316	1,164	210	17,464
Utah	27	42	1,134	147	192	2,177
Vermont	5	52	260	62	423	1,100
Virginia	6	38	228	50	553	1,261
Washington	73	44	3,212	1,221	180	5,782
West Virginia	5	35	175	32	444	777
Wisconsin	52	67	3,484	1,603	243	8,466
Wyoming	38	77	2,926	146	190	5,559
Other States ^{6 7}	30	39	1,168	371	524	6,102
United States ^{7 8}	2,660	58.9	156,544	42,203	208.3	326,081

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 2-36.—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 2-37.—Tobacco: Area, yield, production, price, and value, United States, 2007–2016

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
2007	356,000	2,213	787,653	1.693	1,329,235
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	2.018	1,269,025

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

Table 2-38.—Tobacco: Area, yield, and production, by State and United States, 2014–2016

State	Area harvested			Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	Acres	Acres	Acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
Connecticut	(D)	(D)	(NA)	(D)	(D)	(D)	(D)	(D)	(NA)
Georgia	15,000	13,500	13,500	2,300	2,400	2,100	34,500	32,400	28,350
Kentucky	91,700	72,900	75,300	2,337	2,055	1,810	214,280	149,830	136,280
Massachusetts	(D)	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)	(NA)
North Carolina	193,400	173,000	166,000	2,347	2,198	1,999	453,860	380,250	331,800
Ohio	2,000	1,900	(NA)	2,150	1,900	(NA)	4,300	3,610	(NA)
Pennsylvania	9,100	7,900	8,200	2,445	2,290	2,495	22,250	18,090	20,460
South Carolina	15,800	13,000	13,000	2,100	2,000	1,900	33,180	26,000	24,700
Tennessee	24,250	20,900	20,200	2,151	2,333	1,767	52,155	48,770	35,690
Virginia	24,330	23,050	23,460	2,370	2,415	2,193	57,651	55,655	51,440
Other States ¹ ..	2,780	2,500	-	1,525	1,826	-	4,239	4,566	-
United States ...	378,360	328,650	319,660	2,316	2,188	1,967	876,415	719,171	628,720

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

Table 2-39.—Tobacco: Stocks owned by dealers and manufacturers, by types, United States, 2007–2013 (farm-sales-weight basis)¹

Type and year	Jan. 1	Apr. 1	July 1	Oct. 1
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Flue-cured, types 11–14:				
2007	671,018	570,171	493,248	578,776
2008	581,279	483,696	396,757	452,740
2009	564,889	436,658	360,324	448,901
2010	618,862	449,823	369,054	369,054
2011	561,073	454,548	381,925	363,831
2012	515,681	376,519	319,719	308,391
2013	472,916	372,058	260,393	353,534
Virginia fire-cured, type 21:				
2007	3,167	3,668	3,288	2,717
2008	3,131	3,154	2,833	2,579
2009	3,384	2,894	2,785	2,696
2010	886	1,092	802	802
2011	4,417	4,020	3,729	3,405
2012	3,983	3,848	591	723
2013	829	1,019	975	616
Kentucky and Tennessee fire-cured, types 22–23:				
2007	103,320	117,804	108,637	100,535
2008	111,458	121,405	112,796	103,306
2009	125,167	140,069	136,463	126,011
2010	96,965	102,349	91,278	91,278
2011	161,124	163,421	153,526	144,198
2012	164,412	170,764	104,149	98,740
2013	109,023	113,561	106,232	21,126
Burley, type 31:				
2007	422,568	426,348	361,305	296,177
2008	321,546	337,271	282,561	256,163
2009	283,223	297,075	265,545	239,152
2010	274,244	279,984	237,656	237,656
2011	255,695	275,863	248,528	208,171
2012	239,932	254,687	207,965	170,638
2013	174,645	227,961	194,321	164,151
Maryland, type 32:				
2007	375	1,190	372	1,028
2008	249	971	930	410
2009	116	970	43	30
2010	24	2,048	132	132
2011	20	2,449	87	85
2012	75	2,108	1,851	899
2013	569	700	326	13
One Sucker and Green River, types 35–36: ²				
2007	39,818	44,456	40,765	35,775
2008	43,183	45,956	43,018	39,047
2009	49,492	53,357	53,517	51,812
2010	38,844	43,502	37,822	37,822
2011	61,528	63,485	59,590	54,906
2012	59,641	62,751	41,870	38,813
2013	39,261	44,603	40,580	7,075
Virginia sun-cured, type 37:				
2007	17	8	0	0
2008	0	5	5	5
2009	5	5	0	13
2010	13	12	12	12
2011	45	45	35	45
2012	45	45	45	45
2013	45	45	66	45
Pennsylvania seedleaf, type 41:				
2007	9,891	10,221	7,899	6,909
2008	6,375	9,953	9,210	7,932
2009	7,666	11,350	10,850	10,620
2010	7,262	13,550	13,547	13,547
2011	13,995	17,941	15,861	15,861
2012	15,467	20,723	14,305	16,499
2013	17,080	20,249	17,608	16,393

See footnote(s) at end of table.

Table 2-39.—Tobacco: Stocks owned by dealers and manufacturers, by types, United States, 2007–2013 (farm-sales-weight basis)¹—Continued

Type and year	Jan. 1	Apr. 1	July 1	Oct. 1
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Connecticut Valley, types 51–52:				
2007	1,713	1,790	1,950	1,762
2008	1,730	1,398	1,837	533
2009	1,554	1,286	1,409	1,671
2010	1,062	953	1,178	943
2011	1,176	593	978	526
2012	149	229	41	155
2013	166	319	320	252
Wisconsin binder, types 54–55:				
2007	6,707	6,564	5,675	4,930
2008	4,826	5,378	4,497	3,777
2009	3,647	4,500	3,805	3,201
2010	2,798	4,492	4,335	4,612
2011	4,778	5,528	5,100	4,866
2012	4,287	5,205	4,008	3,809
2013	3,318	4,055	3,528	3,197
Cigar Wrapper, type 61:				
2007	727	966	511	1,149
2008	768	810	591	779
2009	611	278	239	742
2010	327	222	231	688
2011	1,071	478	356	759
2012	269	316	82	494
2013	354	404	329	290
Perique, type 72:				
2007	27	29	28	43
2008	43	42	22	36
2009	39	36	19	127
2010	105	93	117	165
2011	412	217	200	253
2012	246	216	321	374
2013	356	335	485	458
Other miscellaneous domestic, type 73:				
2007	3,558	1,851	2,661	2,781
2008	1,730	3,101	3,195	3,979
2009	5,351	3,998	2,871	2,024
2010	1,546	2,280	2,359	7,437
2011	8,351	8,611	8,670	8,598
2012	8,846	8,566	8,417	9,116
2013	9,340	9,379	8,956	1,743
Foreign-growth cigar leaf, types 81–89:				
2007	91,323	84,390	82,627	79,698
2008	84,538	85,535	81,340	81,468
2009	99,181	103,158	93,970	91,668
2010	85,370	98,216	77,507	78,171
2011	87,334	76,810	71,096	67,092
2012	71,631	68,683	55,380	83,975
2013	89,706	87,402	79,635	48,256
Foreign-growth cigarette and smoking, types 91–99:				
2007	766,925	753,161	757,311	721,959
2008	711,251	719,283	711,278	670,380
2009	655,356	668,814	621,702	623,288
2010	621,793	609,022	588,708	561,716
2011	587,319	578,762	546,270	530,319
2012	519,810	530,565	500,967	512,542
2013	501,423	492,380	329,528	496,577

¹ Stocks shown have been converted to a farm-sales-weight basis—the equivalent of weight at the time of sale—thereby making these data of leaf-tobacco stocks comparable with the leaf-tobacco production. ² One Sucker and Green leaf combined.

II-24 STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

Table 2-40.—Tobacco products: Cigars, cigarettes, chewing and smoking tobacco, and snuff, manufactured in the United States, 2004–2013

Year	Cigars		Cigarettes		Chewing tobacco			
	Large	Small	Large ¹	Small	Firm	Moist	Twist	Looseleaf
	Millions	Millions	Millions	Millions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
2004	4,341.7	3,359.8	0.0	492,749.4	1,403	271	651	37,012
2005	3,674.2	4,665.1	0.0	498,974.7	1,173	230	601	37,226
2006	4,256.2	5,291.3	0.0	483,678.0	1,098	199	551	36,406
2007	4,797.3	5,870.4	0.0	449,728.5	1,009	176	538	35,066
2008	4,984.4	6,478.0	0.0	396,115.4	909	144	500	30,935
2009	8,231.5	2,729.0	0.0	338,107.6	756	114	470	27,973
2010	10,407.5	1,461.3	0.0	326,653.6	699	86	390	25,974
2011	10,313.9	1,153.5	0.0	318,863.8	674	57	295	23,056
2012	9,910.7	1,258.1	0.0	303,752.3	537	37	320	22,109
2013	7,820.1	1,129.7	0.0	292,720.1	491	29	289	20,524
Taxable removals and domestic invoices ²								
2004	4,319.2	2,701.6	0.0	374,977.6	1,325	245	656	35,721
2005	4,441.0	3,772.1	0.0	363,260.2	1,166	201	614	35,701
2006	4,499.5	4,233.7	0.0	364,177.7	1,050	174	561	35,486
2007	4,658.7	4,791.3	0.0	347,960.2	978	150	539	32,721
2008	4,771.1	5,440.1	0.0	334,942.7	881	133	512	30,103
2009	7,944.2	2,150.6	0.0	308,117.2	736	72	457	27,002
2010	9,901.8	924.1	0.0	292,714.3	658	68	392	31,429
2011	9,687.0	753.9	0.0	286,315.5	638	42	292	28,606
2012	9,408.6	704.9	0.0	279,830.8	510	23	323	27,148
2013	7,788.4	622.4	0.0	266,205.8	486	19	291	25,639
Tax-free removals and exports								
2004	114.5	658.6	0.0	111,202.4	28	19	0	55
2005	98.2	689.7	0.0	124,117.2	18	19	0	56
2006	100.0	830.7	0.0	116,649.0	21	20	0	59
2007	115.0	1,024.9	0.0	94,935.3	20	18	0	60
2008	152.6	857.0	0.0	61,698.4	19	19	0	96
2009	110.2	674.0	0.0	33,210.5	18	13	0	134
2010	291.6	528.7	0.0	30,369.1	15	13	0	134
2011	257.0	427.2	0.0	28,341.1	13	9	0	150
2012	401.2	492.6	0.0	21,815.9	15	10	0	118
2013	594.3	265.2	0.0	22,544.3	1	6	0	150
Smoking tobacco								
Year	Pipe	Granulated	Cigarette cut		Snuff	Total chewing, smoking, and snuff		
	1,000 pounds	1,000 pounds	1,000 pounds			1,000 pounds	1,000 pounds	
2004	4,512	0	11,626		79,333	134,808		
2005	4,280	0	13,109		81,951	138,570		
2006	4,067	0	12,388		86,041	140,750		
2007	4,117	0	12,164		90,153	143,223		
2008	3,442	0	13,707		94,416	144,053		
2009	5,102	0	8,394		95,528	138,337		
2010	7,948	0	4,909		99,733	139,739		
2011	18,484	0	4,239		106,194	152,999		
2012	15,809	0	4,659		108,947	152,418		
2013	8,436	0	2,933		113,503	146,205		
Taxable removals and domestic invoices ²								
2004	3,773	0	11,675		74,718	128,113		
2005	3,483	0	12,873		79,060	133,098		
2006	3,149	0	12,311		83,618	136,349		
2007	3,138	0	12,132		88,255	137,913		
2008	2,949	0	13,735		93,112	141,425		
2009	4,549	0	8,284		93,080	135,491		
2010	7,807	0	5,063		97,290	138,164		
2011	9,010	0	4,131		102,137	141,713		
2012	8,873	0	3,185		106,111	146,173		
2013	8,436	0	2,933		111,078	148,882		
Tax-free removals and exports								
2004	652	0	0		726	1,480		
2005	446	0	0		785	1,324		
2006	747	0	0		749	1,596		
2007	942	0	0		740	1,780		
2008	381	0	0		797	1,312		
2009	239	0	0		745	1,156		
2010	241	0	4		788	1,176		
2011	507	0	11		845	1,520		
2012	298	0	8		879	1,328		
2013	303	0	5		839	1,304		

¹Weighing more than three pounds per thousand. ²Includes cigars and cigarettes imported or brought into the United States and Puerto Rico.
AMS Cotton and Tobacco Program, (901) 384-3016.

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, 2007–2016

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
2007	10,489.1	6,588.7	3,635.1	2,953.6	162.00	1,069,849
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	194.00	1,060,034

¹Includes planting seed, feed, exports, inter-farm sales, shrinkage, losses, and other uses. ²2016 based on monthly prices received from August 1, 2016 - December 31, 2016.
NASS, Crops Branch, (202) 720–2127.

Table 3-2.—Cottonseed: Production and farm disposition, by State and United States, 2015 and 2016

State	Production		Farm disposition				Seed for planting ¹	
	2015	2016	Sales to oil mills		Other ²		2015	2016
			2015	2016	2015	2016		
	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	162.0	207.0	22.0	44.0	140.0	163.0	1.8	2.5
Arizona	98.0	138.0	-	-	98.0	138.0	0.9	1.2
Arkansas	156.0	275.0	106.0	204.0	50.0	71.0	1.8	3.3
California	199.0	281.0	31.0	58.0	168.0	223.0	1.6	2.1
Florida	41.0	55.0	31.0	48.0	10.0	7.0	0.4	0.4
Georgia	615.0	616.0	266.0	295.0	349.0	321.0	5.6	6.7
Kansas	11.0	23.0	-	-	11.0	23.0	0.1	0.3
Louisiana	61.0	86.0	47.0	73.0	14.0	13.0	1.0	1.2
Mississippi	215.0	348.0	122.0	257.0	93.0	91.0	2.9	3.6
Missouri	154.0	198.0	102.0	150.0	52.0	48.0	1.5	1.6
New Mexico	24.0	33.0	-	-	24.0	33.0	0.3	0.4
North Carolina	156.0	99.0	28.0	13.0	128.0	86.0	1.9	2.3
Oklahoma	121.0	192.0	84.0	125.0	37.0	67.0	1.5	2.6
South Carolina	43.0	71.0	17.0	28.0	26.0	43.0	1.1	1.3
Tennessee	105.0	191.0	89.0	169.0	16.0	22.0	1.5	2.0
Texas	1,844.0	2,528.0	964.0	1,457.0	880.0	1,071.0	29.3	38.7
Virginia	38.0	28.0	7.0	-	31.0	28.0	0.5	0.5
United States	4,043.0	5,369.0	1,916.0	2,921.0	2,127.0	2,448.0	53.7	70.7

-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 2014–2016

State	Marketing year average price per ton			Value of production		
	2014	2015	2016 ¹	2014	2015	2016 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	180.00	203.00	176.00	35,100	32,886	35,904
Arizona	264.00	322.00	243.00	45,408	31,556	33,777
Arkansas	221.00	265.00	209.00	63,648	41,340	60,401
California	328.00	284.00	275.00	90,528	56,516	76,175
Florida	170.00	208.00	157.00	6,800	8,528	8,949
Georgia	173.00	195.00	167.00	130,442	119,925	104,709
Kansas	(D)	(D)	(D)	(D)	(D)	(D)
Louisiana	195.00	239.00	203.00	27,105	14,579	18,067
Mississippi	195.00	265.00	194.00	59,670	56,975	67,706
Missouri	210.00	269.00	212.00	43,680	41,426	45,580
New Mexico	240.00	236.00	238.00	3,600	5,664	9,282
North Carolina	198.00	228.00	184.00	62,964	35,568	20,240
Oklahoma	176.00	215.00	172.00	14,080	26,015	35,088
South Carolina	193.00	200.00	175.00	27,599	8,600	13,650
Tennessee	209.00	272.00	211.00	32,604	28,560	39,668
Texas	181.00	224.00	192.00	354,579	413,056	480,384
Virginia	(D)	(D)	(D)	(D)	(D)	(D)
Other States ²	234.00	239.00	205.00	17,800	11,700	10,454
United States	194.00	227.00	194.00	1,015,607	932,894	1,060,034

(D) Withheld to avoid disclosing data for individual operations. ¹ Based on monthly prices received from August 1, 2016 - December 31, 2016. ² Includes data withheld above.
 NASS, Crops Branch, (202) 720-2127.

Table 3-4.—Cottonseed: Crushings, output of products and product prices, United States, 2006–2015

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>
2006	2,680	849	35.7	1,241	150.36
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	45.6	705	261.19

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Australia	330	294	313
Brazil	1,130	990	950
Burma	168	169	160
China	4,432	4,159	3,306
India	4,269	4,315	4,057
Mexico	160	206	195
Pakistan	1,700	1,860	1,302
Turkey	330	455	380
Turkmenistan	227	222	196
Uzbekistan	660	655	655
Others	1,412	1,341	1,243
Total Foreign	14,818	14,666	12,757
United States	816	776	612
Total	15,634	15,442	13,369

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, 2014–2016

Country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cottonseed:			
Mexico	61,222	27,875	99,730
Saudi Arabia	38,918	36,769	45,071
Korea, South	66,492	43,023	39,267
Japan	28,228	22,767	13,337
Canada	1,446	786	742
United Arab Emirates	1,244	1,132	695
Oman	230	0	576
Morocco	48	0	400
Jordan	557	0	381
Costa Rica	0	3	42
Colombia	1	1	17
Guatemala	0	0	7
Trinidad and Tobago	0	5	7
Panama	0	2	5
El Salvador	0	1	0
Honduras	11	0	0
Australia(*)	1,444	20	0
Bahrain	0	19	0
China	102	0	0
Dominican Republic	0	2	0
Hong Kong	8	6	0
Lebanon	25	0	0
Netherlands Antilles(*)	0	1	0
Nicaragua	0	1	0
Qatar	0	115	0
World Total	199,975	132,529	200,278
Cottonseed oil:			
Mexico	36,433	24,767	19,599
South Africa	0	0	3,929
Canada	11,935	12,316	3,474
Australia(*)	181	1,293	1,872
Korea, South	0	529	512
Japan	2,118	913	474
Guatemala	0	134	311
Malaysia	523	4,224	241
Portugal	107	0	127
India	60	21	101
Israel(*)	0	0	73
United Kingdom	0	17	64
Brazil	69	81	37
United Arab Emirates	0	0	27
Costa Rica	0	0	19
Panama	41	5	7
Bahamas, The	0	0	4
Nicaragua	0	0	2
Singapore	71	1	1
Chile	2	0	1
Netherlands	926	467	1
Turkey	316	68	1
Colombia	15	2	0
Argentina	525	0	0
France(*)	0	4	0
Rest of World	13,369	148	0
World Total	66,689	44,990	30,877
Cottonseed cake & meal:			
Mexico	52,664	43,823	70,234
Germany(*)	3,019	1,993	2,543
Canada	3,738	5,229	2,532
Korea, South	4,342	2,763	1,651
United Kingdom	2,288	2,150	1,642
Brazil	1,046	2,195	1,376
Ecuador	2,331	344	1,344
Italy(*)	947	843	1,332
Austria	1,095	1,011	912
Hungary	88	98	198
Portugal	285	117	189
Japan	564	167	94
Spain	4	11	9
France(*)	1	0	4
Colombia	4	2	2
Bermuda	0	1	1
Belgium-Luxembourg(*)	5	0	0
Dominican Republic	0	0	0
India	0	0	0
Slovakia	0	0	0
Netherlands	1	0	0
Suriname	0	7	0
Taiwan	1	0	0
World Total	72,423	60,753	84,063

(*) 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, 2013/2014–2015/2016

Country	Area			Production		
	2013/2014	2014/2015	2015/2016	2013/2014	2014/2015	2015/2016
	<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	436	205	285	1,881	711	800
Brazil	1,120	1,020	925	2,671	2,360	2,266
Burma	300	300	285	368	370	350
China	4,800	4,400	3,400	12,835	11,757	9,330
European Union	311	355	315	480	523	383
India	11,700	12,700	11,800	12,950	12,500	11,400
Pakistan	2,900	2,950	2,800	4,100	4,600	3,000
Turkey	330	430	370	740	1,030	853
Turkmenistan	575	545	500	607	598	509
Uzbekistan	1,300	1,285	1,285	1,607	1,528	1,450
Others	5,072	5,039	4,785	3,631	3,718	3,230
Total Foreign	28,844	29,229	26,750	41,870	39,695	33,571
United States	3,053	3,783	3,261	3,813	4,649	3,768
Total	31,897	33,012	30,011	45,683	44,344	37,339

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, 2013/2014–2015/2016¹

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Australia	113	100	109
Brazil	384	336	320
China	60	61	58
European Union	1,487	1,396	1,110
India	1,305	1,320	1,244
Mexico	61	79	74
Pakistan	560	615	430
Turkey	130	185	155
Turkmenistan	85	83	74
Uzbekistan	233	230	230
Others	463	442	409
Total Foreign	4,881	4,847	4,213
United States	286	276	218
Total	5,167	5,123	4,431

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, 2007–2016

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>
2007	354	349	16.9	5,896	13.00	76,521
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	367	23.7	8,680	8.10	70,232

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

Table 3-10.—Flaxseed: Area, yield, and production, by State and United States, 2014–2016

State	Area planted			Area harvested		
	2014	2015	2016	2014	2015	2016
	<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	2	3	(NA)	2	3	(NA)
Montana	28	31	29	25	30	28
North Dakota	275	410	335	270	405	330
South Dakota	6	19	10	5	18	9
United States	311	463	374	302	456	367

State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	<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	24.0	14.0	(NA)	48	42	(NA)
Montana	17.0	15.0	22.0	425	450	616
North Dakota	21.5	23.0	24.0	5,805	9,315	7,920
South Dakota	18.0	16.0	16.0	90	288	144
United States	21.1	22.1	23.7	6,368	10,095	8,680

(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, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	11.00	8.10	(NA)	528	340	(NA)
Montana	11.80	9.80	8.00	5,015	4,410	4,928
North Dakota	11.80	8.95	8.10	68,499	83,369	64,152
South Dakota	11.50	8.48	8.00	1,035	2,442	1,152
United States	11.80	8.95	8.10	75,077	90,561	70,232

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

Table 3-12.—Flaxseed: Support operations, United States, 2007/2008–2016/2017

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		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 bushels</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2007/2008	0.45/0.00	5.21	5.66	131.0	2.2	0	0
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	3.33	5.65	11.28	236.1	2.7	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 participate in the Average Crop Revenue (ACRE) program get 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 2016/2017, projected PLC payment rate is based on June 2017 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 participate 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 June 30, 2017.

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

Table 3-13.—Flaxseed: Supply and disappearance, United States, 2006–2015

Year beginning June	Supply				Disappearance			
	Stocks June 1	Production	Imports	Total	Total used for seed	Exports	Crushings ¹	Total domestic disappearance 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>
2006	3,535	11,019	5,464	20,018	287	1,788	14,900	15,786
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	5,798	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	7,464	14,595	375	528	11,850	13,259
2015	808	10,095	4,481	15,384	303	818	10,700	11,651

¹From domestic and imported seed. ²Total supply minus exports and stocks June 1 of following year.

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

Table 3-14.—Flaxseed and linseed oil and meal: Average price Minneapolis, 2006–2015

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>
2006	5.80	53.99	124.61
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

(NA) Not available. ¹Raw oil in tank cars. ²Bulk carlots, 34 percent protein.
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, 2006–2015

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>
2006	14,900	29	291	76	268	17	10
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

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, 2007–2016

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
2007	1,230.0	1,195.0	3,073	3,672,250	20.5	758,626
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	1,547.0	3,675	5,684,610	18.9	1,077,480

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, 2007–2016

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
2007	730,134	3,672,250	0	4,402,384	3,783,154
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	5,684,610	113	6,735,819	4,699,164

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, 2007–2016

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
2007	372,980	19,824	158,144	75,697	12,979	5,651	211,733
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	493,205	2,478	210,702	10,360	12,598	10,446	270,328
2013	497,272	(NA)	209,808	55,265	8,953	(NA)	268,554
2014	506,677	(NA)	214,041	30,174	18,788	(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

(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, 2007–2016

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
2007	42,103	257,386	0	299,489	56,323	185,371	0.61
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

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, 2007–2016

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	
2007	528,918	33,401	2,291,603	319,186	53,471	3,226,579	520,508	372,980
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	839,203	506,677
2015	431,674	31,012	3,141,099	442,650	62,620	4,109,055	675,930	531,770
2016	467,139	65,350	2,944,760	448,377	112,152	4,037,778	851,628	659,966

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, 2007–2016

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:						
2007	125,497	71,059	27,909	979	225,445	.....
2008	³	52,925	26,342	³	191,770	.....
2009	³	50,812	17,361	³	198,497	.....
2010	³	62,708	16,070	³	211,194	.....
2011	³	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	.....
Runner:						
2007	878,026	344,551	279,564	9,666	1,511,807	.....
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	.....
Spanish:						
2007	³	9,556	12,994	³	31,321	.....
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	.....
All types:						
2007	1,012,263	425,166	320,467	10,676	1,768,572	2,702,007
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

¹ Excludes peanut butter made by manufacturers for own use in candy. Includes peanut butter used in spreads, sandwiches, and cookies. ² Apparent disappearance represents stocks beginning of year plus production, minus stocks at end of year. Includes edible grades and oilstocks. ³ Not 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, 2014–2016

State	Area planted			Peanuts for nuts		
	2014	2015	2016	Area harvested		
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	175.0	200.0	175.0	173.0	196.0	173.0
Arkansas ¹	(NA)	(NA)	24.0	(NA)	(NA)	23.0
Florida	175.0	190.0	155.0	167.0	180.0	147.0
Georgia	600.0	785.0	720.0	589.0	777.0	709.0
Mississippi	32.0	44.0	39.0	31.0	41.0	38.0
New Mexico	4.5	5.0	8.0	4.5	4.9	8.0
North Carolina	94.0	90.0	101.0	93.0	87.0	99.0
Oklahoma	12.0	10.0	13.0	11.0	9.0	13.0
South Carolina	112.0	112.0	110.0	108.0	82.0	106.0
Texas	130.0	170.0	305.0	127.0	165.0	210.0
Virginia	19.0	19.0	21.0	19.0	19.0	21.0
United States	1,353.5	1,625.0	1,671.0	1,322.5	1,560.9	1,547.0

State	Peanuts for nuts					
	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Alabama	3,150	3,250	3,600	544,950	637,000	622,800
Arkansas ¹	(NA)	(NA)	4,800	(NA)	(NA)	110,400
Florida	4,000	3,600	3,900	668,000	648,000	573,300
Georgia	4,135	4,330	3,940	2,435,515	3,364,410	2,793,460
Mississippi	4,000	3,500	4,100	124,000	143,500	155,800
New Mexico	3,500	3,130	2,800	15,750	15,337	22,400
North Carolina	4,320	3,480	3,450	401,760	302,760	341,550
Oklahoma	4,000	3,400	3,800	44,000	30,600	49,400
South Carolina	3,800	3,200	3,300	410,400	262,400	349,800
Texas	3,620	3,200	2,800	459,740	528,000	588,000
Virginia	4,450	3,650	3,700	84,550	69,350	77,700
United States	3,923	3,845	3,675	5,188,665	6,001,357	5,684,610

(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, 2014–2016

State	Marketing year average price per pound			Value of production		
	2014	2015	2016 ¹	2014	2016	2016 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	0.199	0.178	0.183	108,445	113,386	113,972
Arkansas ²	(NA)	(NA)	0.186	(NA)	(NA)	20,534
Florida	0.215	0.188	0.189	143,620	121,824	108,354
Georgia	0.206	0.192	0.180	501,716	645,967	502,823
Mississippi	0.208	0.174	0.170	25,792	24,969	26,486
New Mexico	0.303	0.215	0.202	4,772	3,297	4,525
North Carolina	0.262	0.221	0.222	105,261	66,910	75,824
Oklahoma	0.261	0.213	0.214	11,484	6,518	10,572
South Carolina	0.245	0.190	0.188	100,548	49,856	65,762
Texas	0.291	0.214	0.227	133,784	112,992	133,476
Virginia	0.270	0.214	0.195	22,829	14,841	15,152
United States	0.220	0.193	0.189	1,158,251	1,160,560	1,077,480

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

Table 3-24.—Peanuts, farmer's stock: Support operations, United States, 2011/2012–2016/2017

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>1,000 short tons</i>
2011/2012	36.00/0.00	355.00	495.00	1,402	76.6	0.0	0.0
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 ⁴	141.00	355.00	535.00	2,270	79.9	0.0	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. The 2014 Act eliminated direct payments and replaced the counter-cyclical rate with a new reference price. 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. For 2014/2015 and after, the entry is the price loss coverage payment rate. For 2016/2017, projected PLC payment rate is based on June 2017 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 participate 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 June 30, 2017. FSA, Fibers, Peanuts, Tobacco, (202) 401-0062.

Table 3-25.—International oilseed, peanut: 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
	<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	378	341	329	997	1,188	1,070
Burma	885	885	885	1,375	1,375	1,375
Cameroon	463	470	400	636	640	550
China	4,633	4,604	4,600	16,972	16,482	16,700
India	5,400	4,600	4,500	5,650	4,900	4,700
Indonesia	655	630	615	1,160	1,150	1,130
Nigeria	2,500	2,500	2,500	3,000	3,000	3,000
Senegal	917	879	770	677	669	725
Sudan	2,162	1,254	2,184	1,767	963 871	
Tanzania	944	840	840	900	800	800
Others	6,052	6,116	6,084	6,089	5,898	5,886
Total Foreign	24,989	23,119	23,707	39,223	37,065	37,807
United States	422	535	634	1,893	2,354	2,817
Total	25,411	23,654	24,341	41,116	39,419	40,624

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	90	110	112
Burkina	94	90	90
Burma	325	325	325
Cameroon	57	57	57
China	3,470	3,344	3,462
India	1,410	1,300	1,253
Nigeria	240	240	240
Senegal	120	120	130
Sudan	222	222	260
Tanzania	160	160	160
Others	539	560	545
Total Foreign	6,727	6,528	6,634
United States	122	126	146
Total	6,849	6,654	6,780

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, 2007–2016

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>
2007	64,741	64,146	41.7	2,677,117	10.10	26,974,406
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	82,736	52.1	4,306,671	9.50	40,943,775

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

Table 3-28.—Soybeans: Stocks on and off farms, United States, 2007–2016

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>
2007	1,128,500	910,000	500,000	143,000	1,231,860	876,887	592,185	430,810
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	1,560,050	803,406	590,481	155,169

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, 2006–2015

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>
2006	6.92	31.02	205.44
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

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

Table 3-30.—Soybeans: Supply and disappearance, United States, 2006–2015

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>
2006	176,300	273,026	449,326	3,196,726	3,655,086
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	3,570,254
2014	21,325	70,666	91,991	3,927,090	4,052,308
2015 ²	49,700	140,910	190,610	3,929,160	4,144,500

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>
2006	1,807,706	157,074	1,116,496	3,081,276
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	106,550	1,637,826	3,478,263
2014	1,873,494	144,829	1,843,376	3,861,698
2015 ²	1,900,000	109,600	1,940,000	3,949,500

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, 2007/2008–2016/2017

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		
2007/2008	0.44/0.00	5.00	5.80	181	6.8	0	0
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

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. For 2014/2015 and after, the entry is the price loss coverage payment rate. For 2016/2017, projected PLC payment rate is based on June 2017 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 June 30, 2017.

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

Table 3-32.—Soybeans for beans: Area, yield, and production, by State and United States, 2014–2016

State	Area planted			Area harvested		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Alabama	480	500	420	470	490	410
Arkansas	3,230	3,200	3,130	3,200	3,170	3,100
Delaware	185	175	165	183	173	163
Florida	39	33	31	37	29	29
Georgia	300	325	260	290	310	240
Illinois	9,800	9,800	10,100	9,770	9,720	10,050
Indiana	5,450	5,550	5,650	5,440	5,500	5,640
Iowa	9,850	9,850	9,500	9,770	9,800	9,450
Kansas	4,000	3,900	4,050	3,960	3,860	4,010
Kentucky	1,760	1,840	1,790	1,750	1,810	1,780
Louisiana	1,410	1,430	1,230	1,395	1,390	1,190
Maryland	510	520	520	505	515	515
Michigan	2,050	2,030	2,070	2,040	2,020	2,060
Minnesota	7,350	7,600	7,550	7,270	7,550	7,500
Mississippi	2,210	2,300	2,040	2,190	2,270	2,020
Missouri	5,650	4,550	5,600	5,590	4,470	5,540
Nebraska	5,400	5,300	5,200	5,330	5,270	5,150
New Jersey	105	105	100	103	103	98
New York	330	305	330	327	301	320
North Carolina	1,750	1,820	1,690	1,730	1,730	1,660
North Dakota	5,900	5,750	6,050	5,870	5,720	6,000
Ohio	4,700	4,750	4,850	4,690	4,740	4,840
Oklahoma	375	395	485	365	375	470
Pennsylvania	570	580	580	565	575	575
South Carolina	450	475	420	440	370	405
South Dakota	5,150	5,150	5,200	5,110	5,120	5,170
Tennessee	1,640	1,750	1,660	1,610	1,720	1,630
Texas	155	130	165	135	115	145
Virginia	650	630	610	640	620	600
West Virginia	27	27	27	26	26	26
Wisconsin	1,800	1,880	1,960	1,790	1,870	1,950
United States	83,276	82,650	83,433	82,591	81,732	82,736

State	Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016
	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
Alabama	40.0	41.0	32.0	18,800	20,090	13,120
Arkansas	49.5	49.0	47.0	158,400	155,330	145,700
Delaware	47.5	40.0	41.5	8,693	6,920	6,765
Florida	43.0	38.0	36.0	1,591	1,102	1,044
Georgia	40.0	43.0	30.0	11,600	13,330	7,200
Illinois	56.0	56.0	59.0	547,120	544,320	592,950
Indiana	55.5	50.0	57.5	301,920	275,000	324,300
Iowa	51.0	56.5	60.5	498,270	553,700	571,725
Kansas	35.5	38.5	48.0	140,580	148,610	192,480
Kentucky	47.5	49.0	50.0	83,125	88,690	89,000
Louisiana	56.5	41.0	48.5	78,818	56,990	57,715
Maryland	46.0	40.0	41.5	23,230	20,600	21,373
Michigan	42.5	49.0	50.5	86,700	98,980	104,030
Minnesota	41.5	50.0	52.5	301,705	377,500	393,750
Mississippi	52.0	46.0	48.0	113,880	104,420	96,960
Missouri	46.5	40.5	49.0	259,935	181,035	271,460
Nebraska	54.0	58.0	61.0	287,820	305,660	314,150
New Jersey	44.0	32.0	36.0	4,532	3,296	3,528
New York	44.5	43.0	41.0	14,552	12,943	13,120
North Carolina	40.0	32.0	35.0	69,200	55,360	58,100
North Dakota	34.5	32.5	41.5	202,515	185,900	249,000
Ohio	52.5	50.0	54.5	246,225	237,000	263,780
Oklahoma	28.0	31.0	29.0	10,220	11,625	13,630
Pennsylvania	49.0	44.0	44.0	27,685	25,300	25,300
South Carolina	35.0	26.5	31.0	15,400	9,805	12,555
South Dakota	45.0	46.0	49.5	229,950	235,520	255,915
Tennessee	46.0	46.0	45.0	74,060	79,120	73,350
Texas	38.5	26.0	31.0	5,198	2,990	4,495
Virginia	39.5	34.5	36.0	25,280	21,390	21,600
West Virginia	51.0	48.0	51.0	1,326	1,248	1,326
Wisconsin	44.0	49.5	55.0	78,760	92,565	107,250
United States	47.5	48.0	52.1	3,927,090	3,926,339	4,306,671

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

Table 3-33.—Soybeans: Crushings, and oil and meal stocks, production, and foreign trade, United States, 2006–2015

Year beginning October	Soybeans crushed <i>1,000 bushels</i>	Soybean oil			Soybean cake and meal		
		Stocks Oct. 1	Production	Exports	Stocks Oct. 1	Production	Exports
		<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>
2006	1,807,706	3,010	20,489	1,877	314	43,032	8,804
2007	1,803,407	3,085	20,580	2,911	343	42,284	9,242
2008	1,661,922	2,485	18,745	2,193	294	39,102	8,497
2009	1,751,686	2,861	19,615	3,359	235	41,707	11,159
2010	1,648,043	3,406	18,888	3,233	302	39,251	9,081
2011	1,703,019	2,675	19,740	1,464	350	41,036	9,750
2012	1,688,903	2,590	19,820	2,163	300	39,875	11,146
2013	1,733,888	1,655	20,130	1,877	275	40,685	11,578
2014	1,873,494	1,165	21,399	2,014	250	45,062	13,108
2015	1,886,237	1,855	21,950	2,240	260	44,671	11,963

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, 2014–2016

State	Marketing year average price per bushel			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	10.00	8.95	9.85	188,000	179,806	129,232
Arkansas	10.60	9.46	9.85	1,679,040	1,469,422	1,435,145
Delaware	9.60	9.17	9.45	83,453	63,456	63,929
Florida	8.90	8.00	8.75	14,160	8,816	9,135
Georgia	10.50	9.25	10.10	121,800	123,303	72,720
Illinois	10.20	9.19	9.85	5,580,624	5,002,301	5,840,558
Indiana	10.20	9.16	9.70	3,079,584	2,519,000	3,145,710
Iowa	9.96	8.91	9.40	4,962,769	4,933,467	5,374,215
Kansas	9.63	8.56	9.35	1,353,785	1,272,102	1,799,688
Kentucky	10.50	9.24	9.90	872,813	819,496	881,100
Louisiana	10.90	9.74	9.95	859,116	555,083	574,264
Maryland	9.82	9.11	9.20	228,119	187,666	196,632
Michigan	10.10	8.82	9.45	875,670	873,004	983,084
Minnesota	9.96	8.75	9.25	3,004,982	3,303,125	3,642,188
Mississippi	11.00	9.72	9.95	1,252,680	1,014,962	964,752
Missouri	9.99	9.16	9.60	2,596,751	1,658,281	2,606,016
Nebraska	9.73	8.66	9.25	2,800,489	2,647,016	2,905,888
New Jersey	9.85	8.64	9.50	44,640	28,477	33,516
New York	9.69	9.10	9.55	141,009	117,781	125,296
North Carolina	10.20	8.68	9.85	705,840	480,525	572,285
North Dakota	9.49	8.49	9.05	1,921,867	1,578,291	2,253,450
Ohio	10.30	9.16	9.65	2,536,118	2,170,920	2,545,477
Oklahoma	9.90	8.80	9.40	101,178	102,300	128,122
Pennsylvania	9.80	8.69	9.55	271,313	219,857	241,615
South Carolina	10.30	8.65	9.65	158,620	84,813	121,156
South Dakota	9.37	8.54	9.10	2,154,632	2,011,341	2,328,827
Tennessee	10.60	9.29	9.75	785,036	735,025	715,163
Texas	9.55	8.40	9.10	49,641	25,116	40,905
Virginia	9.90	8.80	9.20	250,272	188,232	198,720
West Virginia	10.00	8.80	9.20	13,260	10,982	12,199
Wisconsin	10.00	8.73	9.35	787,600	808,092	1,002,788
United States	10.10	8.95	9.50	39,474,861	35,192,058	40,943,775

NASS, Crops Branch, (202) 720–2127.

Table 3-35.—International oilseed, soybean: 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
Argentina	19,400	19,300	20,000	53,500	61,400	58,500
Bolivia	1,000	1,082	1,280	2,400	2,650	3,100
Brazil	30,100	32,100	33,300	86,700	96,200	100,000
Canada	1,860	2,235	2,200	5,359	6,049	6,235
China	6,791	6,800	6,550	11,950	12,150	12,000
India	12,200	10,908	11,650	9,500	8,700	8,000
Paraguay	3,255	3,240	3,400	8,190	8,100	8,800
Russia	1,202	1,907	2,030	1,517	2,362	2,640
Ukraine	1,351	1,800	2,125	2,774	3,900	3,925
Uruguay	1,312	1,333	1,120	3,300	3,109	3,110
Others	3,675	4,011	3,974	6,166	7,067	6,962
Total Foreign	82,146	84,716	87,629	191,356	211,687	213,272
United States	30,858	33,423	33,109	91,389	106,878	106,934
Total	113,004	118,139	120,738	282,745	318,565	320,206

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, 2014–2016

Country of destination	2014	2015	2016
	Metric tons	Metric tons	Metric tons
China	30,827,882	27,317,811	35,848,523
Mexico	3,550,945	3,581,452	3,639,647
Indonesia	1,953,744	1,886,972	2,574,699
Japan	1,835,802	2,395,121	2,360,086
Netherlands	946,600	1,119,010	1,961,397
Taiwan	1,444,639	1,345,043	1,518,637
Germany(*)	1,151,046	2,191,796	1,193,065
Thailand	480,009	551,315	908,865
Spain	1,123,706	1,041,898	895,232
Vietnam	681,726	650,162	859,957
Bangladesh	327,405	768,685	602,408
Korea, South	693,909	496,118	520,364
Colombia	314,770	517,011	491,904
Malaysia	300,095	320,499	389,446
Tunisia	236,679	152,036	362,771
Egypt	640,505	418,100	324,560
Costa Rica	134,431	269,409	307,252
Canada	282,236	210,992	304,089
Pakistan	0	314,363	300,653
France(*)	122,599	104,165	272,466
Philippines	104,975	108,783	265,699
United Kingdom	255,842	200,185	229,897
Saudi Arabia	207,080	280,840	214,841
Italy(*)	101	50,090	201,452
Turkey	785,281	458,642	157,369
Russia	329,945	510,507	155,547
Iran	0	62,999	142,598
Peru	51,219	162,789	141,731
Israel(*)	124,974	73	74,141
Rest of World	658,599	672,237	431,559
World Total	49,566,745	48,159,102	57,650,854

(*) 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, 2014–2016

Country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Mexico	197,882	231,865	257,374
China	150,112	17,259	143,269
Dominican Republic	141,046	111,377	108,001
Korea, South	36,384	48,930	82,948
Colombia	48,890	32,468	75,087
Venezuela	4,992	81,919	50,090
Guatemala	41,481	42,839	42,977
Peru	64,869	116,053	41,248
Jamaica	18,012	24,301	31,328
Iran	0	0	23,054
Morocco	44,402	81,474	19,005
Egypt	9,001	6,014	18,499
Canada	29,251	26,942	16,369
Cuba	0	0	15,200
Algeria	0	10,409	14,700
Nicaragua	45,761	21,713	12,610
Trinidad and Tobago	8,883	10,480	11,014
Pakistan	0	13,101	7,253
Panama	6,163	3,954	6,308
Senegal	4,180	10,000	4,759
Japan	4,180	2,584	3,151
United Arab Emirates	2,549	5,958	3,065
Libya	0	0	3,000
Haiti	295	535	2,754
Bahamas, The	2,613	2,221	2,148
Lebanon	1,892	1,657	1,670
Saudi Arabia	943	6,102	1,494
Kuwait	562	820	897
Hong Kong	6,575	962	865
Rest of World	26,217	50,119	6,581
World Total	897,133	962,055	1,006,717

(*) 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 3-38.—Soybean cake and meal: United States exports by country of destination, 2014–2016

Country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Mexico	1,602,069	2,014,094	2,170,142
Philippines	1,104,343	1,509,177	1,846,745
Canada	987,980	820,230	769,452
Colombia	400,886	759,258	720,861
Dominican Republic	374,441	472,833	505,907
Thailand	552,392	802,493	402,102
Guatemala	306,873	362,685	356,692
Ecuador	364,017	371,322	350,931
Venezuela	842,618	540,926	311,944
Peru	12,090	203,017	291,024
Honduras	192,404	223,776	233,462
Vietnam	368,539	319,107	211,016
Panama	151,185	192,767	210,521
El Salvador	162,775	180,595	199,060
Japan	212,173	174,980	160,271
Morocco	135,914	139,029	157,119
Sri Lanka	60,534	128,180	149,028
Bangladesh	44,548	55,759	144,476
Saudi Arabia	122,691	72,711	126,687
Burma	9,310	57,077	125,763
Egypt	97,321	166,257	121,052
Jamaica	103,681	109,510	117,451
Nicaragua	74,550	123,399	116,756
Cuba	129,437	127,940	97,539
Turkey	154,321	30,150	58,002
Belgium-Luxembourg(*)	31,407	40,302	57,919
Costa Rica	46,456	69,102	56,049
Cambodia	1,977	23,386	46,601
Trinidad and Tobago	54,271	57,954	44,728
Rest of World	1,682,374	1,350,580	444,166
World Total	10,382,577	11,498,593	10,603,523

(*) 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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	6,785	7,687	8,710
Bolivia	400	445	475
Brazil	7,070	7,660	7,680
China	12,335	13,347	14,655
European Union	2,553	2,698	2,717
India	1,478	1,245	1,150
Mexico	720	745	745
Paraguay	640	697	783
Russia	609	654	717
Taiwan	355	393	402
Others	2,928	3,668	4,114
Total Foreign	35,873	39,239	42,148
United States	9,131	9,706	9,857
Total	45,004	48,945	52,005

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	24,972	28,545	32,800
Bolivia	1,608	1,625	1,650
Brazil	13,948	14,390	15,600
Canada	241	212	275
China	2,017	1,595	1,850
European Union	296	362	400
India	2,742	1,072	150
Paraguay	2,504	2,450	2,980
Russia	507	505	450
Ukraine	80	216	250
Others	769	675	699
Total Foreign	49,684	51,647	57,104
United States	10,474	11,929	10,160
Total	60,158	63,576	67,264
Principle importing countries:			
European Union	18,135	19,260	20,700
Indonesia	3,983	3,850	4,500
Iran	2,683	1,948	2,100
Japan	1,976	1,699	1,850
Korea, South	1,825	1,751	1,900
Malaysia	1,397	1,465	1,500
Mexico	1,410	1,795	2,000
Philippines	2,337	2,200	2,400
Thailand	2,665	3,017	3,050
Vietnam	3,342	4,276	4,600
Others	17,825	18,635	19,964
Total Foreign	57,578	59,896	64,564
United States	347	302	340
Total	57,925	60,198	64,904

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	4,087	5,093	5,925
Bolivia	371	350	370
Brazil	1,378	1,510	1,390
Canada	92	118	170
European Union	766	1,010	1,000
Malaysia	157	170	176
Paraguay	650	660	735
Russia	332	423	445
Ukraine	118	136	160
Vietnam	91	104	100
Others	531	526	524
Total Foreign	8,573	10,100	10,995
United States	851	914	953
Total	9,424	11,014	11,948
Principle importing countries:			
Algeria	629	620	640
Bangladesh	443	508	520
China	1,353	773	850
Colombia	288	315	330
Egypt	230	480	400
India	1,830	2,799	3,700
Iran	551	421	450
Morocco	444	430	460
Peru	355	355	380
Venezuela	403	473	440
Others	2,665	2,772 952	
Total Foreign	9,191	9,946	11,122
United States	75	120	136
Total	9,266	10,066	11,258

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	7,190	8,590	8,540
Brazil	7,340	7,740	7,680
Total Foreign	14,530	16,330	16,220
Total	14,530	16,330	16,220

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	7,842	10,573	11,800
Bolivia	141	25	150
Brazil	46,829	50,612	58,000
Canada	3,469	3,853	4,200
China	215	143	200
India	183	234	200
Paraguay	4,800	4,375	4,600
Russia	24	312	350
Ukraine	1,261	2,422	2,200
Uruguay	3,195	2,850	2,850
Others	168	312	351
Total Foreign	68,127	75,711	84,901
United States	44,574	50,169	45,994
Total	112,701	125,880	130,895
Principle importing countries:			
China	70,364	78,350	82,000
Egypt	1,694	1,947	2,050
European Union	13,293	13,388	13,200
Indonesia	2,241	2,000	2,300
Japan	2,894	3,004	2,900
Mexico	3,842	3,819	3,850
Russia	2,048	1,986	2,250
Taiwan	2,335	2,520	2,550
Thailand	1,798	2,411	2,350
Turkey	1,608	2,197	2,400
Others	7,710	9,619	11,497
Total Foreign	109,827	121,241	127,347
United States	1,954	904	816
Total	111,781	122,145	128,163

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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting countries:			
Argentina	7,433	11,800	11,400
Brazil	45,747	54,635	56,650
Total Foreign	53,180	66,435	68,050
Total	53,180	66,435	68,050
Principle importing countries:			
Argentina	2	2	2
Brazil	579	325	300
Total Foreign	581	327	302
Total	581	327	302

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, 2007–2016

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>
2007	2,070.0	2,012.0	1,426	2,868,870	21.70	614,736
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	1,534.0	1,731	2,654,735	17.40	470,120

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

Table 3-46.—Sunflower, oil varieties: Area, yield, production, and value, United States, 2007–2016

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>
2007	1,765.5	1,719.0	1,445	2,483,585	21.40	527,925
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	17.00	405,595

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

Table 3-47.—Sunflower, non-oil varieties: Area, yield, production, and value, United States, 2007–2016

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>
2007	304.5	293.0	1,315	385,285	22.90	86,811
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	165.5	1,726	285,720	21.50	64,525

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

Table 3-48.—Sunflower, all: Area, yield, production, and value, by type, State and United States, 2015–2016

Type and State	Area planted		Area harvested		Yield per harvested acre	
	2015	2016	2015	2016	2015	2016
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	33.0	45.0	33.0	44.5	1,300	1,350
Colorado	60.0	60.0	57.0	57.0	1,200	1,200
Kansas	57.0	45.0	53.0	42.0	1,520	1,370
Minnesota	77.0	66.0	75.0	64.0	1,650	1,500
Nebraska	29.0	29.0	27.0	28.0	1,580	1,350
North Dakota	620.0	630.0	605.0	610.0	1,470	1,730
Oklahoma ¹	3.5	(NA)	3.0	(NA)	1,600	(NA)
South Dakota	580.0	510.0	570.0	495.0	1,840	1,940
Texas	91.0	33.0	87.0	28.0	950	1,200
United States	1,550.5	1,418.0	1,510.0	1,368.5	1,579	1,731
Non-oil:						
California	1.4	1.6	1.4	1.5	1,300	1,200
Colorado	13.0	14.0	12.0	13.0	1,400	1,700
Kansas	27.0	18.0	25.0	18.0	2,200	1,570
Minnesota	24.0	14.0	23.5	13.5	1,800	1,300
Nebraska	20.0	12.5	17.5	11.0	2,100	1,850
North Dakota	100.0	58.0	97.0	55.0	1,850	1,550
Oklahoma ¹	2.2	(NA)	2.0	(NA)	900	(NA)
South Dakota	99.0	48.0	92.0	45.0	1,970	2,150
Texas	22.0	12.5	19.0	10.5	1,300	1,600
United States	308.6	178.6	289.4	165.5	1,865	1,726
Total:						
California	34.4	46.6	34.4	46.0	1,300	1,345
Colorado	73.0	74.0	69.0	70.0	1,235	1,293
Kansas	84.0	63.0	78.0	58.0	1,738	1,425
Minnesota	101.0	80.0	98.5	77.5	1,686	1,465
Nebraska	49.0	41.5	44.5	39.0	1,784	1,491
North Dakota	720.0	688.0	702.0	665.0	1,523	1,715
Oklahoma ¹	5.7	(NA)	5.0	(NA)	1,320	(NA)
South Dakota	679.0	558.0	662.0	540.0	1,858	1,958
Texas	113.0	45.5	106.0	38.5	1,013	1,309
United States	1,859.1	1,596.6	1,799.4	1,534.0	1,625	1,731
Production						
Marketing year average price per cwt						
Value of production						
2015	2016	2015	2016	2015	2016	
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	42,900	60,075	25.00	23.00	10,725	13,817
Colorado	68,400	68,400	(D)	(D)	(D)	(D)
Kansas	80,560	57,540	(D)	(D)	(D)	(D)
Minnesota	123,750	96,000	19.70	19.00	24,379	18,240
Nebraska	42,660	37,800	16.40	15.90	6,996	6,010
North Dakota	889,350	1,055,300	19.10	17.40	169,866	183,622
Oklahoma ¹	4,800	(NA)	17.60	(NA)	845	(NA)
South Dakota	1,048,800	960,300	17.30	16.50	181,442	158,450
Texas	82,650	33,600	18.00	17.00	14,877	5,712
Other States ²			17.20	15.70	25,665	19,744
United States	2,383,870	2,369,015	18.20	17.00	434,795	405,595
Non-oil:						
California	1,820	1,800	34.00	24.00	619	432
Colorado	16,800	22,100	(D)	(D)	(D)	(D)
Kansas	55,000	25,120	(D)	(D)	(D)	(D)
Minnesota	42,300	17,550	28.00	27.80	11,844	4,879
Nebraska	36,750	20,350	27.80	25.40	10,217	5,169
North Dakota	179,450	85,250	27.30	26.20	48,990	22,336
Oklahoma ¹	1,800	(NA)	25.00	(NA)	450	(NA)
South Dakota	181,240	96,750	23.00	20.90	41,685	20,221
Texas	24,700	16,800	25.00	22.00	6,175	3,696
Other States ²			27.00	16.50	19,381	7,792
United States	539,860	285,720	26.60	21.50	139,361	64,525
Total:						
California	44,720	61,875	25.40	23.00	11,344	14,249
Colorado	85,200	90,500	22.20	14.90	16,556	13,839
Kansas	135,560	82,660	20.50	16.60	28,490	13,697
Minnesota	166,050	113,550	21.00	19.40	36,223	23,119
Nebraska	79,410	58,150	21.70	15.90	17,213	11,179
North Dakota	1,068,800	1,140,550	20.70	18.20	218,856	205,958
Oklahoma ¹	6,600	(NA)	19.60	(NA)	1,295	(NA)
South Dakota	1,230,040	1,057,050	17.70	16.60	223,127	178,671
Texas	107,350	50,400	19.60	18.70	21,052	9,408
United States	2,923,730	2,654,735	19.60	17.40	574,156	470,120

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹Estimates discontinued in 2016. ²Includes data withheld above.
 NASS, Crops Branch, (202) 720-2127.

Table 3-49.—International Oilseed, sunflowerseed: 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
Argentina	1,300	1,440	1,300	2,000	3,160	2,600
Burma	570	540	540	360	450	450
China	930	949	920	2,424	2,492	2,300
European Union	4,615	4,279	4,147	9,052	8,932	7,750
India	750	550	550	670	420	460
Pakistan	822	769	701	573	513	534
Russia	6,795	6,371	6,350	9,842	8,374	9,095
South Africa	600	576	615	832	661	625
Turkey	690	530	490	1,400	1,200	1,000
Ukraine	5,300	5,300	5,235	11,600	10,200	11,300
Others	1,171	1,272	1,273	1,952	2,206	1,978
Total Foreign	23,543	22,576	22,121	40,705	38,608	38,092
United States	593	611	728	917	1,007	1,326
Total	24,136	23,187	22,849	41,622	39,615	39,418

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, 2014–2016

Country	2014	2015	2016
	Metric tons	Metric tons	Metric tons
Spain	24,354	22,130	21,378
Mexico	14,096	15,806	19,420
Canada	24,264	21,662	18,342
Iraq	528	5,808	5,435
Turkey	11,624	5,567	4,911
Jordan	5,594	2,524	3,066
Israel(*)	4,580	2,162	2,493
Korea, South	2,095	2,889	2,381
Egypt	2,054	1,978	2,039
Greece	1,881	1,920	1,610
France(*)	3,546	2,434	1,454
Romania	2,936	780	1,188
Japan	1,112	1,297	1,104
Kuwait	4,738	506	649
Indonesia	10	3,024	513
Germany(*)	767	285	504
Morocco	888	451	454
United Kingdom	695	497	444
Colombia	34	37	390
Ecuador	630	535	376
United Arab Emirates	629	487	297
Lebanon	624	264	231
Taiwan	417	81	180
Guatemala	80	417	135
Chile	126	93	131
Poland	428	342	120
Singapore	128	54	110
Burma	0	0	83
Qatar	160	98	60
Rest of World	2,933	3,465	361
World Total	111,948	97,594	89,858

(*) 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, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	934	1,135	1,140
Bolivia	113	123	142
Burma	110	150	150
China	481	466	420
European Union	3,170	3,180	2,980
Russia	3,593	3,366	3,530
Serbia	123	161	161
South Africa	347	285	258
Turkey	845	725	595
Ukraine	4,750	4,325	4,663
Others	853	787	783
Total foreign	15,319	14,703	14,822
United States	197	166	258
Total	15,516	14,869	15,080

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, 2014–2016**

State	Production			Price per pound			Value of production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	168	162	172	26.30	24.80	23.00	4,418	4,018	3,956
Idaho	1,544	1,596	1,694	21.50	21.40	19.90	33,196	34,154	33,711
Indiana	510	400	575	26.00	24.00	22.00	13,260	9,600	12,650
Michigan ¹	(D)	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)	(NA)
Oregon	1,800	1,995	1,658	24.80	23.00	21.40	44,640	45,885	35,481
Washington	1,500	1,540	1,518	21.00	19.90	20.50	31,500	30,646	31,119
Wisconsin	(D)	(D)	183	(D)	(D)	24.90	(D)	(D)	4,557
Other States ²	197	195	-	22.10	22.10	-	4,350	4,307	-
United States	5,719	5,888	5,800	23.00	21.80	20.90	131,364	128,610	121,474
Spearmint:									
Idaho	156	189	(D)	21.00	19.20	(D)	3,276	3,629	(D)
Indiana	226	189	264	26.00	20.00	18.00	5,876	3,780	4,752
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	325	338	313	20.90	19.70	18.00	6,793	6,659	5,634
Washington	1,938	2,078	2,315	18.80	17.90	17.10	36,411	37,216	39,675
Native	1,190	1,378	1,535	17.90	17.00	16.70	21,301	23,426	25,635
Scotch	748	700	780	20.20	19.70	18.00	15,110	13,790	14,040
Wisconsin ¹	(D)	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)	(NA)
Other States ²	139	136	316	18.90	17.50	18.40	2,621	2,380	5,803
United States	2,784	2,930	3,208	19.80	18.30	17.40	54,977	53,664	55,864

- 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, 2007–2016

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>
2007	63.6	89	5,636	13.60	76,866
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	65.3	89	5,800	20.90	121,474

NASS, Crops Branch (202), 720–2127.

Table 3-56.—Spearmint oil: Area, yield, production, and value, United States, 2007–2016

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>
2007	19.8	126	2,493	12.60	31,495
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	17.40	55,864

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

Table 3-57.—International oil, olive: Production in specified countries, 2013/2014–2015/2016

Country	2013/2014	2014/2015	2015/2016
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Algeria	57	70	73
Australia	14	20	20
European Union	2,475	1,550	2,085
Jordan	25	23	29
Lebanon	18	21	20
Libya	15	15	15
Morocco	120	120	130
Syria	145	105	180
Tunisia	70	340	150
Turkey	140	170	143
Others	16	21	17
Total foreign	3,095	2,455	2,862
United States	5	5	5
Total	3,100	2,460	2,867

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, 2011–2015¹

Item and market	2011	2012	2013	2014	2015
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Coconut oil, crude, tanks, f.o.b. New York	80.60	54.40	44.26	60.21	52.27
Corn oil, crude, tank cars, f.o.b. Decatur	61.37	55.74	43.13	38.36	38.24
Cottonseed oil, crude, tank cars, f.o.b. Valley	54.60	53.00	46.60	60.33	47.01
Palm oil, U.S. ports, refined	55.98	48.13	41.13	39.86	32.10
Canola oil, Midwest	59.10	57.56	52.81	42.46	36.70
Soybean oil, crude, tank cars, f.o.b. Decatur	54.05	51.02	44.98	36.83	30.20
Sunflower oil, crude, Minneapolis	93.83	77.98	62.79	59.77	68.03
Tallow, edible, number 1 delivered Chicago	53.40	47.99	42.52	38.91	28.42

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 24 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, 2007-2016

Year	Area ¹	
	Fresh market ²	Processing ³
	Acres	Acres
2007	1,784,290	1,249,230
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)
Year	Production ⁵	
	Fresh market ²	Processing ³
	1,000 cwt	Tons
2007	459,421	17,799,410
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
Year	Value ⁶	
	Fresh market ²	Processing ³
	1,000 dollars	1,000 dollars
2007	10,047,825	1,609,544
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	12,451,434	2,196,736
2016	11,084,467	2,280,068

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 will only have fresh market production, processing production, fresh market value, and processing value.

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 watermelons. 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, 2014–2016 ¹

State	Fresh market ²		Processing ³		Total acres harvested ⁴
	2014	2015	2014	2015	2016
	Acres	Acres	Acres	Acres	Acres
Alabama	5,000	4,900			3,500
Arizona	110,000	112,800			124,600
Arkansas	2,500	2,300			
California	727,900	711,900	308,460	313,550	1,017,800
Colorado	12,100	11,750			(D)
Connecticut	4,000	3,600			
Delaware	6,000	5,900	27,800	28,000	(D)
Florida	150,200	154,500			162,600
Georgia	87,200	90,100	2,050	2,750	93,100
Idaho	6,900	8,000			11,700
Illinois	25,900	20,800	30,100	36,100	55,400
Indiana	15,520	14,400			30,900
Maine	1,600	1,400			
Maryland	9,180	8,670	12,990	11,490	17,700
Massachusetts	4,300	3,300			
Michigan	48,500	47,900			104,700
Minnesota			178,030	158,000	156,600
Mississippi	2,100	1,800			
Missouri	2,700	2,600	(D)	(D)	2,700
Nevada	4,150	4,200			
New Hampshire	1,400	1,300			
New Jersey	22,900	22,600	4,200	3,800	26,500
New Mexico	12,800	13,300			14,800
New York	58,470	56,210	39,320	39,510	83,600
North Carolina	30,500	28,300			38,200
Ohio	30,800	29,100	10,900	9,700	37,000
Oklahoma	2,600	4,000			
Oregon	27,750	29,400	53,000	51,800	(D)
Pennsylvania	21,860	18,730			23,900
Rhode Island	690	(D)			
South Carolina	15,500	14,500			14,300
Tennessee	10,130	10,990			15,600
Texas	52,230	49,050	8,500	8,270	62,100
Utah	1,400	1,300			
Vermont	910	(D)			
Virginia	8,370	8,360	(D)		(D)
Washington	39,700	54,100	115,900	127,930	174,200
Wisconsin	8,100	8,000	177,700	172,220	(D)
Other States ⁵	(X)	1,290	128,820	112,630	294,400
United States	1,571,860	1,561,350	1,097,770	1,075,750	2,565,900

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.

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. ¹Area for fresh market and for processing is area harvested. ²Area 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. ³Includes 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. ⁴Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production. ⁵Other 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, 2014–2016

State	Fresh market ¹			Processing ²		
	2014	2015	2016	2014	2015	2016
	1,000 cwt	1,000 cwt	1,000 cwt	Tons	Tons	Tons
Alabama	957	860	.....	.....	.....	16,450
Arizona	31,816	29,510	35,480	.....	.....	5,700
Arkansas	473	490	.....	.....	.....	.....
California	209,678	207,069	197,205	14,150,110	14,483,930	13,571,200
Colorado	4,601	4,462	1,322	.....	.....	200
Connecticut	260	209	.....	.....	.....	.....
Delaware	1,190	1,150	1,268	104,400	99,190	89,450
Florida	29,317	31,177	31,069	.....	.....	100,900
Georgia	16,258	18,540	18,765	11,020	15,390	22,243
Idaho	5,658	5,760	4,868	.....	.....	103,800
Illinois	8,227	3,759	2,464	148,420	153,950	401,350
Indiana	3,952	3,018	4,562	.....	.....	254,830
Maine	112	85	.....	.....	.....	.....
Maryland	1,484	1,398	1,397	55,620	50,780	47,850
Massachusetts	284	251	.....	.....	.....	.....
Michigan	8,153	8,054	6,525	.....	.....	551,025
Minnesota .....	.....	.....	513	858,650	905,855	812,644
Mississippi	378	315	.....	.....	.....	.....
Missouri	837	572	1,015	(D)	(D)	1,950
Nevada	1,364	1,369	.....	.....	.....	.....
New Hampshire	91	88	.....	.....	.....	.....
New Jersey	3,977	3,789	3,061	19,490	16,710	33,300
New Mexico	4,234	5,142	3,798	.....	.....	56,000
New York	10,097	9,658	7,786	175,150	174,320	177,700
North Carolina	4,284	5,303	5,816	.....	.....	45,560
Ohio	4,599	4,192	3,649	194,950	133,690	193,410
Oklahoma	364	540	.....	.....	.....	.....
Oregon	15,750	15,555	8,084	299,650	316,040	666,403
Pennsylvania	2,612	2,168	1,625	.....	.....	22,520
Rhode Island	46	(D)	.....	.....	.....	.....
South Carolina	3,547	4,173	4,112	.....	.....	2,950
Tennessee	1,677	1,489	1,849	.....	.....	13,400
Texas	11,337	9,821	13,958	75,270	76,080	81,700
Utah	742	715	.....	.....	.....	.....
Vermont	46	(D)	.....	.....	.....	.....
Virginia	1,315	1,252	879	(D)	.....	.....
Washington	17,479	20,579	12,511	904,550	982,660	1,500,790
Wisconsin	1,908	2,018	1,724	1,068,500	1,035,130	1,212,223
Other States ³	(X)	60	.....	1,182,880	927,870	.....
United States	409,104	404,590	375,305	19,248,660	19,371,595	19,985,548

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. 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.
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Table 4-4.—Vegetables, commercial: Value of principal crops, by State and United States, 2014–2016

State	Fresh market ¹			Processing ²		
	2014	2015	2016	2014	2015	2016
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	20,111	27,376	-			4,442
Arizona	685,608	1,040,269	1,303,175			4,275
Arkansas	13,646	13,970	(NA)			
California	6,328,525	7,262,285	6,098,876	1,434,537	1,382,592	1,304,306
Colorado	67,591	77,462	22,639			240
Connecticut	9,620	10,450	(NA)			
Delaware	19,754	18,451	24,923	29,255	27,293	20,153
Florida	1,044,176	1,102,153	1,138,376			53,368
Georgia	405,264	470,261	439,033	4,354	6,673	6,602
Idaho	44,083	49,803	24,397			10,846
Illinois	64,205	21,798	70,702	22,608	19,587	36,709
Indiana	53,230	53,844	71,184			30,527
Maine	5,040	3,825	(NA)			
Maryland	26,323	24,036	23,564	12,764	11,662	9,174
Massachusetts	14,200	10,040	(NA)			
Michigan	173,711	209,590	173,788			106,034
Minnesota			18,496	134,945	125,256	81,711
Mississippi	4,423	3,780	(NA)			35
Missouri	7,868	4,976	12,180	(D)	(D)	
Nevada	45,012	45,177	(NA)			
New Hampshire	5,005	4,840	(NA)			
New Jersey	132,080	156,510	134,211	4,765	3,745	8,123
New Mexico	95,917	147,714	104,735			40,320
New York	289,250	276,984	201,926	53,502	34,841	45,772
North Carolina	112,377	142,874	160,019			15,927
Ohio	127,182	135,446	131,144	29,379	19,289	23,912
Oklahoma	4,295	7,290	(NA)			
Oregon	132,338	177,341	176,926	53,692	57,835	108,491
Pennsylvania	80,583	81,045	47,822			6,027
Rhode Island	2,438	(D)	(NA)			
South Carolina	78,887	91,541	85,713			1,198
Tennessee	76,184	76,550	74,527			3,710
Texas	213,212	162,677	215,984	16,306	12,405	17,258
Utah	7,835	8,385	(NA)			
Vermont	3,128	(D)	(NA)			
Virginia	43,572	52,668	34,584	(D)	(D)	-
Washington	259,064	435,325	259,992	115,646	129,801	197,540
Wisconsin	33,403	40,818	35,540	157,920	157,759	143,377
Other States ³		3,880	-	256,746	207,998	
United States	10,729,140	12,451,434	11,084,456	2,326,419	2,196,736	2,280,077

(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.
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Table 4-5.— Artichokes for fresh market and processing, commercial crop: Area, yield, production, value, and total value, United States, 2007-2016

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>
2007	9,600	110	1,056	55.00	58,080
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	70.10	69,119

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 4-5, 2016 includes utilized production.

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Table 4-6.—Artichokes for fresh market and processing: Area, production, and value per hundredweight, California, 2014-2016

Crop	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	7,300	6,800	6,800	949	918	986	57.60	87.80	70.10

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Table 4-7.—Asparagus, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2011-2016

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>
2011	26,800	31	820	112.00	91,896
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	22,000	32	705	106.00	74,991

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>
2011	650	122.00	79,047	8,500	1,510.00	12,849
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	546	113.00	61,694	7,940	1,670.00	13,297

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 includes utilized production.

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

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**Table 4-8.—Asparagus for Fresh Market and Processing, commercial crop:
Area planted and harvested, yield, production, price and value - by State and United States, 2014–2016**

State	Area planted			Area harvested		
	2014	2015	2016	2014	2015	2016
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
California	11,500	9,500	8,500	11,000	9,000	8,000
Michigan	10,300	10,000	10,200	9,000	8,900	9,200
New Jersey ¹	(NA)	(NA)	1,500	(NA)	(NA)	1,400
Washington	4,000	4,000	3,600	3,800	3,800	3,400
United States	25,800	23,500	23,800	23,800	21,700	22,000
State	Yield per acre			Utilized Production		
	2014	2015	2016	2014	2015	2016
	<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	31	26	26	341	234	208
Michigan	24	26	25	220	228	230
New Jersey ¹	(NA)	(NA)	40	(NA)	(NA)	56
Washington	48	44	62	182	167	211
United States	31	29	32	743	629	705
State	Price per cwt			Value of Production		
	2014	2015	2016	2014	2015	2016
	<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	116.00	139.00	128.00	39,556	32,526	26,624
Michigan	93.20	86.60	87.70	20,505	19,754	20,166
New Jersey ¹	(NA)	(NA)	171.00	(NA)	(NA)	9,576
Washington	75.40	93.30	88.40	13,721	15,584	18,625
United States	99.30	108.00	106.00	73,782	67,864	74,991

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 includes 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, 2014–2016**

Utilization and State	Production		
	2014	2015	2016
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Fresh market			
California ¹	341	234	208
New Jersey ²	(NA)	(NA)	56
Other States ²	227	240	282
United States	568	474	546
	<i>tons</i>	<i>tons</i>	<i>tons</i>
Processing			
Other States ²	8,750	7,750	7,940
United States	8,750	7,750	7,940
Canning	2,000	2,300	(NA)
Freezing	6,750	5,450	(NA)
Utilization and State	Price per unit		
	2014	2015	2016
	<i>Dollars per cwt</i>	<i>Dollars per cwt</i>	<i>Dollars per cwt</i>
Fresh market			
California ¹	116.00	139.00	128.00
New Jersey ²	(NA)	(NA)	171.00
Other States ³	92.00	94.00	90.40
United States	106.00	116.00	113.00
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Processing			
Other States ²	1,530.00	1,650.00	1,670.00
United States	1,530.00	1,650.00	1,670.00
Canning	1,680.00	1,620.00	(NA)
Freezing	1,480.00	1,660.00	(NA)
Utilization and State	Value of production		
	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Fresh market			
California ¹	39,556	32,526	26,624
New Jersey ²	(NA)	(NA)	9,576
Other States ³	20,876	22,560	25,494
United States	60,432	55,086	61,694
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
Processing			
Other States ²	13,350	12,778	13,297
United States	13,350	12,778	13,297
Canning	3,360	3,726	(NA)
Freezing	9,990	9,052	(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 4.9, 2016 will not include canned or frozen production, price, and value.

(NA) Not available. ¹ Includes a small amount of processing asparagus. ² Estimates began in 2016. ³ Other States include Michigan and Washington.

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Table 4-10.—Lima beans for processing, commercial crop: Area, yield, production, value per ton, and total value, United States, 2010-2016

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>
2010	42,430	1.47	62,230	473.00	29,456
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	28,000	(NA)	45,223	516.00	23,340

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 4-10, 2016 includes total harvested acres, processing production, processing price, and processing value.

(NA) Not available. ¹ Price and value at processing plant door.
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Table 4-11.—Snap beans for fresh market, commercial crop: Area, yield, production, value hundredweight, and total value, United States, 2010-2016

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>
2010	85,800	56	4,770	60.40	287,885
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)	4,168	67.80	282,655

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 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, 2014-2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	4,200	4,200	(NA)	462	528	(D)	78.10	67.00	(D)
Florida	26,600	26,600	(NA)	1,330	1,238	1,346	58.20	61.60	78.50
Georgia	9,800	8,900	(NA)	392	515	585	39.10	38.50	44.70
Illinois	(NA)	(NA)	(NA)	(NA)	(NA)	144	(NA)	(NA)	96.60
Indiana	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Maryland	1,000	1,000	(NA)	58	47	(D)	39.00	41.00	(D)
Michigan	2,600	2,600	(NA)	182	212	254	44.90	54.20	59.50
Minnesota	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	(NA)	(D)
New Jersey	2,600	2,600	(NA)	86	77	68	38.20	59.80	43.50
New York	9,800	9,800	(NA)	617	696	435	84.50	84.00	84.20
North Carolina	4,300	4,300	(NA)	172	115	(D)	38.00	31.00	(D)
Oregon	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Pennsylvania	(NA)	(NA)	(NA)	(NA)	(NA)	139	(NA)	(NA)	24.70
South Carolina	600	600	(NA)	35	11	(NA)	48.70	75.00	(NA)
Tennessee	5,400	5,400	(NA)	308	448	(D)	58.00	41.00	(D)
Texas	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Virginia	1,700	1,700	(NA)	78	65	(NA)	42.00	65.00	(NA)
Washington	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Wisconsin	(NA)	(NA)	(NA)	(NA)	(NA)	8	(NA)	(NA)	35.30
Other States	(NA)	(NA)	(NA)	(NA)	(NA)	1,189	(NA)	(NA)	66.10
United States	68,600	67,700	(NA)	3,720	3,952	4,168	60.20	59.40	67.80

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 4-12, 2016 includes 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, 2010-2016

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>
2010	191,660	3.98	762,080	192.00	146,477
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)	791,891	200.00	158,610

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 4-13, 2016 includes processing production, price, and value.

(NA) Not available. ¹ Price and value at processing plant door.
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Table 4-14.—Snap beans for processing, commercial crop: Area, production, and value per ton, 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>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)	(NA)	(NA)	7,800	(NA)	(NA)	325.00
Georgia	(NA)	(NA)	(NA)	(NA)	(NA)	7,600	(NA)	(NA)	300.00
Illinois	(D)	(D)	(NA)	(D)	(D)	57,150	(D)	(D)	130.00
Indiana	4,700	3,600	(NA)	14,100	13,620	(D)	210.00	230.00	(D)
Michigan	(D)	16,000	(NA)	(D)	71,200	70,650	(D)	230.00	240.00
Minnesota	(D)	(D)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey	(NA)	(NA)	(NA)	(NA)	(NA)	1,000	(NA)	(NA)	304.00
New York	20,420	(D)	(NA)	81,680	(D)	77,300	338.00	(D)	293.00
Oregon	8,500	(D)	(NA)	34,850	(D)	(D)	400.00	(D)	(D)
Pennsylvania	11,400	5,300	(NA)	34,310	23,330	19,850	303.00	317.00	283.00
Wisconsin	64,100	65,300	(NA)	312,280	329,530	363,552	185.00	202.00	124.00
Other States ¹	49,950	68,720	(NA)	204,020	327,220	186,989	282.00	260.00	298.00
United States	159,070	158,920	(NA)	681,240	764,900	791,891	250.00	233.00	200.00

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. For Table 4-14, 2016 includes 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 4-15.—Broccoli, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2010-2016¹

Year	Total crop				
	Area for harvest	Yield per acre	Production	Value ²	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2010	130,200	148	19,289	37.70	727,463
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	22,465	37.90	851,391

Year	Fresh market			Processing		
	Production	Value ²		Production	Value ³	
		Per cwt	Total		Per ton	Total
	1,000 cwt	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
2010	18,879	37.60	709,833	20,500	860.00	17,630
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	21,938	38.20	838,455	26,400	490.00	1,294

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 4-15, 2016 includes 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.

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

Table 4-16.—Broccoli, commercial crop: Area, production, and value per hundredweight, and per ton, by State and United States, 2014–2016¹

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	Acres	Acres	Acres	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
Arizona	6,400	8,400	9,300	800	1,008	1,116	37.40	52.10	64.70
California	120,000	116,000	122,000	19,800	20,880	21,350	40.20	48.20	36.50
United States ...	126,400	124,400	131,300	20,600	21,888	22,465	40.00	48.40	37.90

State	Fresh market						Processing					
	Production			Value per unit			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016
	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
Arizona	800	1,008	800	37.40	52.10	64.70	.....	.....	.....	.....	.....	.....
California	19,110	20,096	19,440	40.80	48.90	36.80	34,500	39,200	26,400	445.00	601.00	490.00
United States ...	19,910	21,104	20,240	40.70	49.10	38.20	34,500	39,200	26,400	445.00	601.00	490.00

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, commercial crop: Area, yield, production, value and total value, United States, 2010-2016

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>
2010	66,260	350	23,210	17.40	397,314
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)	18,449	21.80	402,119

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 4-17, 2016 includes fresh market production, price, and value.

(NA) Not available.

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

Table 4-18.—Cabbage for 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 ¹	2016	2014	2015	2016
	<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	3,700	2,600	(NA)	1,906	884	1,615	21.70	23.00	31.70
California	13,500	13,800	(NA)	5,670	5,865	5,760	24.50	27.10	27.60
Colorado	(D)	1,500	(NA)	(D)	653	.....	(D)	16.90	.....
Florida	8,800	8,200	(NA)	2,992	2,706	2,686	16.70	12.50	18.40
Georgia	4,700	3,700	(NA)	1,598	1,258	(D)	12.00	10.50	(D)
Michigan	3,100	3,300	(NA)	837	957	(D)	16.00	17.00	(D)
New Jersey	1,500	1,600	(NA)	533	624	.....	17.80	18.40	.....
New York	8,300	8,100	(NA)	3,320	3,240	(D)	21.80	18.40	(D)
North Carolina	2,800	2,400	(NA)	644	528	696	15.00	13.00	18.00
Ohio	1,400	1,100	(NA)	490	407	.....	13.00	10.00	.....
Pennsylvania	960	830	(NA)	212	208	.....	19.80	21.30	.....
Texas	6,200	5,500	(NA)	1,550	1,815	1,938	21.50	17.00	18.00
Virginia	(D)	(D)	(NA)	(D)	(D)	.....	(D)	(D)	.....
Wisconsin	2,900	(D)	(NA)	725	(D)	(D)	14.20	(D)	(D)
Other States	1,790	3,290	(NA)	664	1,033	5,754	11.70	17.80	16.50
United States	59,650	55,920	(NA)	21,141	20,178	18,449	19.70	19.30	21.80

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 4-18, 2016 includes 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.

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

Table 4-19.—Cantaloupes for fresh market, commercial crop: Area, yield, production, value, and total value, United States, 2010-2016

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>
2010	73,330	256	18,808	16.20	304,896
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 .....	.....	.....	13,764	15.10	207,498

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 4-19, 2016 will include fresh market production, price, and value only.

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

Table 4-20.—Cantaloupes for 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>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	16,000	14,500	(NA)	3,840	3,553	3,737	24.30	22.90	16.90
California	31,000	28,000	(NA)	8,060	8,400	7,650	21.00	17.40	11.90
Colorado	400	500	(NA)	82	123	(NA)	37.90	31.00	(NA)
Florida	(NA)	(NA)	(NA)	(NA)	(NA)	621	(NA)	(NA)	19.10
Georgia	3,300	2,800	(NA)	396	504	578	15.00	17.30	19.10
Indiana	1,800	1,700	(NA)	396	272	315	15.10	28.00	23.00
Maryland	600	500	(NA)	77	60	(NA)	27.00	28.00	(NA)
North Carolina	(NA)	(NA)	(NA)	(NA)	(NA)	207	(NA)	(NA)	32.00
Pennsylvania	1,200	1,200	(NA)	144	154	133	28.10	31.20	27.00
South Carolina	1,600	1,100	(NA)	352	270	344	24.70	11.50	21.40
Texas	2,300	1,800	(NA)	265	216	179	31.00	31.80	31.20
Other States .....	.....	.....	.....	.....	.....	-	(NA)	(NA)	-
United States	58,200	52,100	(NA)	13,612	13,552	13,764	22.10	19.50	15.10

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. For Table 4.20, 2016 will include fresh market production and price only.

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

Table 4-21.—Carrots for fresh market, commercial crop: 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>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	65,500	66,000	(NA)	20,960	20,988	(D)	28.20	31.50	(D)
Michigan	1,600	1,500	(NA)	496	360	(D)	15.80	20.00	(D)
Texas	1,400	(D)	(NA)	378	(D)	(D)	20.00	(D)	(D)
Wisconsin	(NA)	(NA)	(NA)	(NA)	(NA)	13	(NA)	(NA)	110.00
Other States ¹	5,700	7,050	(NA)	3,545	4,392	22,194	23.20	26.40	34.70
United States	74,200	74,550	(NA)	25,379	25,740	22,207	27.10	30.50	34.70

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 4.21, 2016 will include fresh market production and price only.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Other States include Colorado, Georgia, and Washington.
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, 2014-2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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)	(D)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	3,700	3,800	(NA)	107,100	97,730	106,150	89.30	98.80	81.40
Other States ¹	7,730	7,220	(NA)	214,720	196,270	298,800	130.00	135.00	128.00
United States	11,430	11,020	(NA)	321,820	294,000	404,950	116.00	123.00	116.00

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. For Table 4-22, 2016 includes 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, 2014-2016¹

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	3,600	4,500	4,700	720	700	846	54.90	77.30	79.60
California	31,300	32,300	32,300	5,580	5,814	5,814	49.20	59.40	55.40
New York	470	410	(NA)	61	45	(NA)	43.00	50.10	(NA)
United States	35,070	37,210	37,000	6,361	6,559	6,660	49.80	61.30	58.50
Fresh market									
State	Production			Value per unit					
	2014	2015	2016	2014	2015	2016			
	<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	720	700	846	54.90	77.30	79.60			
California	5,505	5,766	5,770	49.50	59.70	55.60			
New York	61	45	-	43.00	50.10	-			
United States	6,286	6,511	6,616	50.10	61.50	58.70			
Processing									
State	Production			Value per unit					
	2014	2015	2016	2014	2015	2016			
	<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	3,750	2,400	2,200	610.00	480.00	610.00			
United States	3,750	2,400	2,200	610.00	480.00	610.00			

(NA) Not available. ¹ Includes heading (cauliflower) broccoli.
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, 2007-2016¹

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
2007 ...	37,820	181	6,828	34.20	233,413	6,616	34.40	227,689	10,600	540.00	5,724
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 ...	37,000	180	6,660	49.80	389,496	6,616	58.70	388,154	2,200	610.00	1,342

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, 2014-2016¹

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	Acres	Acres	Acres	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
California	27,200	26,100	27,100	17,408	16,180	16,000	17.00	25.10	21.30
Michigan	1,700	1,600	1,800	985	930	1,062	19.10	20.30	17.50
United States	28,900	27,700	28,900	18,393	17,110	17,062	17.10	24.80	21.00

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, 2010-2016¹

Year	Area for harvest	Yield per acre	Production	Value ²	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2010	28,000	712	19,923	18.60	371,153
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	28,900	590	17,062	21.00	358,632

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, 2014–2016

Utilization and State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
Fresh market:	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
Alabama	1,100	1,000	(NA)	81	55	(NA)	21.60	26.50	(NA)
California	27,800	29,900	(NA)	4,726	5,681	5,933	34.00	28.00	27.6
Colorado	4,000	3,400	(NA)	680	612	(NA)	16.20	15.20	(NA)
Connecticut	4,000	3,600	(NA)	260	209	(NA)	37.00	50.00	(NA)
Delaware	3,500	3,600	(NA)	357	389	(D)	25.00	22.00	(D)
Florida	34,000	36,900	(NA)	4,590	5,166	5,003	28.20	30.00	32.00
Georgia	22,400	25,700	(NA)	2,912	3,598	3,900	25.50	21.40	21.00
Illinois	6,100	6,100	(NA)	769	580	686	22.20	16.80	34.50
Indiana	5,300	5,100	(NA)	440	281	418	29.90	43.00	31.00
Maine	1,600	1,400	(NA)	112	85	(NA)	45.00	45.00	(NA)
Maryland	3,900	3,600	(NA)	230	216	(D)	35.00	28.00	(D)
Massachusetts ..	4,300	3,300	(NA)	284	251	(NA)	50.00	40.00	(NA)
Michigan	(NA)	(NA)	(NA)	(NA)	(NA)	856	(NA)	(NA)	25.50
Minnesota	9,200	9,000	(NA)	828	927	321	24.70	26.00	34.00
New Hampshire ..	1,400	1,300	(NA)	91	88	(NA)	55.00	55.00	(NA)
New Jersey	6,000	5,800	(NA)	540	522	518	31.20	32.20	32.50
New York	18,100	16,700	(NA)	1,774	1,403	1,456	23.90	22.40	30.60
North Carolina ..	4,600	4,600	(NA)	308	391	(NA)	27.00	31.00	(NA)
Ohio	15,100	14,500	(NA)	1,314	1,088	1,148	29.90	28.00	32.00
Oregon	4,900	6,900	(NA)	720	1,242	(D)	24.00	23.00	(D)
Pennsylvania	11,300	9,300	(NA)	791	623	510	36.30	38.50	37.90
Rhode Island	690	(D)	(NA)	46	(D)	(NA)	53.00	(D)	(NA)
Texas	2,950	4,200	(NA)	280	332	(NA)	22.00	21.50	(NA)
Vermont	910	(D)	(NA)	46	(D)	(NA)	68.00	(D)	(NA)
Virginia	2,900	2,900	(NA)	261	235	(NA)	23.00	31.00	(NA)
Washington	11,500	25,300	(NA)	1,817	3,441	524	27.00	35.00	24.40
Wisconsin	3,500	3,700	(NA)	392	477	582	25.60	29.30	27.80
Other States	(X)	1,290	(NA)	(X)	60	1,738	(X)	64.70	25.30
United States	211,050	229,090	(NA)	24,649	27,952	23,593	28.70	28.20	28.20
Processing:	<i>Acres</i>			<i>Tons</i>			<i>Dollars per ton</i>		
Illinois	(D)	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)	74.00
Minnesota	109,400	103,200	(NA)	749,440	761,320	(NA)	113.00	96.20	79.00
New Jersey	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	118.00
New York	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	158.00
Oregon	23,200	21,200	(NA)	220,480	198,610	(NA)	126.00	140.00	(D)
Pennsylvania	(NA)	(D)	(NA)	(NA)	(D)	(NA)	(NA)	(D)	161.00
Washington	69,400	78,800	(NA)	692,600	722,240	(NA)	108.00	106.00	100.00
Wisconsin	65,800	60,700	(NA)	542,160	490,230	(NA)	96.20	87.90	68.20
Other States ¹ ...	44,480	43,600	(NA)	363,140	315,710	(NA)	138.00	111.00	129.00
United States	312,280	307,500	(NA)	2,567,820	2,488,110	(NA)	113.00	103.00	91.80

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 4-27, 2016 includes 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, 2010-2016

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
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2010 ...	235,800	118	27,875	25.90	721,980	335,200	8.04	2,694,210	85.30	229,786
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)	23,593	28.20	665,521	(NA)	(NA)	2,516,634	91.80	231,149

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 4-28, 2016 will include 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, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	3,800	3,500	(NA)	684	718	(NA)	24.20	29.60	(D)
Florida	9,400	10,600	(NA)	2,444	1,696	2,001	26.70	28.20	33.00
Georgia	6,500	6,900	(NA)	1,008	1,725	1,805	23.20	23.90	21.80
Maryland	340	460	(NA)	27	31	(NA)	28.00	23.00	(NA)
Michigan	3,400	3,700	(NA)	680	592	680	20.40	22.80	21.30
New Jersey	3,100	3,200	(NA)	667	688	556	22.40	23.90	26.20
New York	1,700	1,900	(NA)	272	304	(NA)	37.10	56.90	(NA)
North Carolina	4,800	4,800	(NA)	552	696	(NA)	19.00	18.00	(D)
South Carolina	1,800	1,100	(NA)	252	127	336	24.90	21.80	23.80
Texas	2,400	1,500	(NA)	283	116	159	18.60	18.50	22.30
Virginia	330	320	(NA)	26	32	(NA)	44.50	40.00	(NA)
Wisconsin	(NA)	(NA)	(NA)	(NA)	(NA)	15	(NA)	(NA)	51.00
Other States	(NA)	(NA)	(NA)	(NA)	(NA)	1,430	(NA)	(NA)	24.90
United States	37,570	37,980	(NA)	6,895	6,725	6,982	24.40	26.30	26.10

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. For Table 4-29, 2016 includes 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 4-30.—Cucumbers for fresh market, commercial crop: Area, yield, production, value, and total value, United States, 2010-2016

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>
2010	43,410	192	8,351	22.90	190,886
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)	6,982	26.10	182,297

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 4-30, 2016 includes fresh market production, fresh market price, and fresh market value.
 (NA) Not available.
 NASS, Crops Branch, (202) 720-2127.

Table 4-31.—Cucumbers (for pickles), commercial crop: Area, production, and value per ton, 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>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	19,200	18,010	(NA)	150,910	148,040	93,100	555.00	435.00	546.00
Georgia	(NA)	(NA)	(NA)	(NA)	(NA)	6,500	(NA)	(NA)	423.00
Indiana	2,300	(D)	(NA)	11,500	(D)	(NA)	320.00	(D)	(NA)
Michigan	27,400	29,000	(NA)	167,140	171,100	236,700	210.00	220.00	200.00
New Jersey	(NA)	(NA)	(NA)	(NA)	(NA)	5,549	(NA)	(NA)	400.00
North Carolina	(D)	(D)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
Ohio	6,500	5,000	(NA)	40,950	27,000	(D)	300.00	260.00	(D)
South Carolina	(D)	(D)	(NA)	(D)	(D)	2,950	(D)	(D)	406.00
Texas	4,200	3,950	(NA)	19,570	21,800	21,550	540.00	320.00	340.00
Wisconsin	5,400	5,400	(NA)	33,800	32,890	33,172	297.00	290.00	220.00
Other States ¹	19,430	23,750	(NA)	113,040	132,630	135,760	418.00	355.00	327.00
United States	84,430	85,110	(NA)	536,910	533,460	535,281	378.00	324.00	305.00

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. For Table 4-31, 2016 includes processing production and processing price.
 (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Other States include Alabama, California Delaware, Georgia, and Maryland.
 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, 2010-2016

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
2010 ...	87,900	6.27	551,370	337.00	185,928	183,465
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)	535,281	305.00	163,373	(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. For Table 4-32, 2016 includes 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, 2010-2016

Year	Area harvested	Yield per acre	Production	Value	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2010	22,850	164	3,752	71.10	266,884
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	24,600	150	3,690	72.80	268,665

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 4-33, 2016 will include 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, 2014-2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	Acres	Acres	Acres	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
California	23,000	24,100	24,600	3,795	3,977	3,690	69.30	76.70	72.8
Nevada	550	(D)	(NA)	61	(D)	(NA)	33.00	(D)	(NA)
Oregon	250	(D)	(NA)	12	(D)	(NA)	90.00	(D)	(NA)
Other States	(X)	1,100	0	(X)	112	0	(X)	141	0
United States	23,800	25,200	24,600	3,868	4,089	3,690	68.80	78.50	72.8

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

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

Table 4-35.—Honeydew melons, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2010–2016

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>
2010	16,850	220	3,704	15.50	57,418
2011	15,400	236	3,628	22.10	80,008
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	22.60	85,343
2016	(NA)	(NA)	3,520	19.20	67,584

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 4-35, 2016 includes 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 4-36.—Honeydew melons, commercial crop: 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>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	3,500	2,300	(NA)	805	564	(NA)	32.60	24.10	(NA)
California	10,500	11,500	(NA)	2,835	3,105	3,520	21.00	22.20	19.2
Texas	450	600	(NA)	99	100	(NA)	29.00	28.20	(NA)
United States	14,450	14,400	(NA)	3,739	3,769	3,520	23.70	22.60	19.2

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 4-36, 2016 includes fresh market production and fresh market price.

(NA) Not available.

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

Table 4-37.—Head lettuce, commercial crop: 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>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	34,500	32,500	36,800	12,248	10,238	12,696	12.80	24.80	38.50
California	91,000	86,500	89,500	33,670	32,870	34,905	28.60	30.40	23.80
United States	125,500	119,000	126,300	45,918	43,108	47,601	24.40	29.10	27.70

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

Table 4-38.—Head lettuce, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 2010–2016

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>
2010	132,000	380	50,120	21.10	1,057,504
2011	130,500	381	49,665	23.00	1,142,267
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	126,300	377	47,601	27.70	1,319,535

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, 2010–2016

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>
2010	51,200	254	13,004	38.40	499,538
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	59,200	224	13,264	49.70	658,962

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, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
Fresh market:	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
Arizona	8,100	9,300	9,600	1,944	2,325	2,352	31.40	63.00	64.90
California	46,000	45,800	49,600	11,040	11,908	10,912	39.00	59.10	46.40
United States	54,100	55,100	59,200	12,984	14,233	13,264	37.90	59.70	49.70

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, 2010–2016

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>
2010	79,300	345	27,389	23.90	655,659
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	96,200	301	28,946	31.20	902,476

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, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
Fresh market:	<i>Acres</i>			<i>1,000 cwt</i>			<i>Dollars per cwt</i>		
Arizona	21,900	23,500	26,200	6,899	7,285	8,646	23.10	45.60	32.30
California	63,500	63,500	70,000	17,780	19,050	20,300	34.00	37.50	30.70
United States	85,400	87,000	96,200	24,679	26,335	28,946	31.00	39.70	31.20

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, 2010–2016¹

Year	Area harvested	Yield per acre	Production ²	Shrinkage and loss	Value ³	
					Per cwt	Total
	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2010	149,270	493	73,599	6,112	15.60	1,049,704
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	4,718	15.50	1,039,325
2016	132,600	542	71,866	5,158	13.90	925,833

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, 2014–2015

Season and State	Area harvested		Production		Shrinkage and loss		Value per unit	
	2014	2015	2014	2015	2014	2015	2014	2015
	<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, 2010–2016¹

Year beginning July	Imports		Domestic exports	
	1,000 cwt		1,000 cwt	
2010		8,783		7,478
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		6,570

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, 2010–2016

Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total
				Dollars	1,000 dollars
	Acres	Tons	Tons	Dollars	1,000 dollars
2010	172,600	2.00	345,640	287.00	99,216
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)	340,480	258.00	87,866

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 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, 2014–2016¹

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	Acres	Acres	Acres	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
Delaware	5,000	(D)	(NA)	11,300	(D)	(D)	340.00	(D)	(NA)
Minnesota	64,000	48,500	(NA)	78,150	112,450	95,250	567.00	402	249
New York	(NA)	(D)	(NA)	(NA)	(D)	9,950	(NA)	(D)	231
Oregon	19,600	(D)	(NA)	41,430	(D)	(D)	253.00	(D)	(D)
Washington	40,500	42,600	(NA)	118,440	147,210	(D)	249.00	262	(D)
Wisconsin	36,600	34,300	(NA)	70,640	81,120	63,050	378.00	334	198
Other States ²	21,900	40,800	(NA)	42,900	70,540	172,230	433.00	294	287
United States	187,600	166,200	(NA)	362,860	411,320	340,480	367.00	320	258

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 will include only processing production and processing price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas. ²Other States include Illinois, Maryland, New Jersey, New York, and Oregon.

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, 2014–2016^{1 2}

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	1,400	1,300	1,600	80	81	122	33.80	48.30	36.50
California	6,900	6,400	6,700	3,186	2,424	3,049	51.80	31.50	32.50
New Mexico	7,700	7,700	8,700	1,174	1,334	1,383	33.00	30.80	36.70
Texas	3,100	2,700	3,000	185	195	150	52.40	73.50	60.00
United States	19,100	18,100	20,000	4,625	4,034	4,704	46.70	33.60	34.70

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, 2007–2016¹

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>
2007	24,900	156	3,877	29.90	115,745
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	235	4,704	34.70	162,851

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 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, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	19,400	16,500	19,800	9,432	7,508	8,217	36.10	49.00	48.40
Florida	11,900	12,200	12,900	3,094	4,392	3,806	53.10	50.20	55.10
Georgia	3,800	3,600	3,200	798	1,008	960	51.70	48.10	34.10
Michigan	1,400	1,400	1,400	364	392	364	37.00	38.00	37.00
New Jersey	2,800	2,500	2,300	952	763	633	31.00	45.00	31.60
New York	(NA)	(NA)	900	(NA)	(NA)	261	(NA)	(NA)	29.50
North Carolina	2,100	2,200	2,300	441	517	575	44.00	42.00	33.00
Ohio	2,600	2,500	2,600	455	575	650	38.00	43.00	44.00
Pennsylvania	(NA)	(NA)	900	(NA)	(NA)	149	(NA)	(NA)	47.50
United States	44,000	40,900	46,300	15,536	15,155	15,615	40.30	48.30	47.10

(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, 2007-2016

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>
2007	54,000	298	16,100	33.10	532,799
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	46,300	337	15,615	47.10	735,776

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, 2007-2016

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>
2007 ...	1,141.9	1,122.2	396	444,875	7.51	3,339,710
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

¹ 2002-2007 obtained by weighting State prices by quantity sold. 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, 2007-2016

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>
2007 ...	444,875	24,476	4,105	29,561	411,209
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

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, 2014–2016

Season and State	Area harvested			Yield			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Cwt	Cwt	Cwt	1,000 cwt	1,000 cwt	1,000 cwt
Spring:									
Arizona	3.5	3.5	(NA)	310	290	(NA)	1,085	1,015	(NA)
California	24.8	26.7	25.1	470	385	390	11,656	10,280	9,789
Florida	29.3	29.6	22.9	240	230	235	7,032	6,808	5,382
North Carolina	13.5	12.7	(NA)	210	210	(NA)	2,835	2,667	(NA)
United States	71.1	72.5	48.0	318	286	316	22,608	20,770	15,171
Summer:									
Delaware	1.2	(D)	(NA)	290	(D)	(NA)	348	(D)	(NA)
Illinois	6.4	6.9	6.9	415	380	380	2,656	2,622	2,622
Kansas	4.1	3.6	4.2	340	335	300	1,394	1,206	1,260
Maryland	2.3	2.4	(D)	380	330	(D)	874	792	(D)
Missouri	7.9	8.1	7.9	270	305	305	2,133	2,471	2,410
New Jersey	1.9	(D)	(D)	225	(D)	(D)	428	(D)	(D)
North Carolina	(NA)	(NA)	13.6	(NA)	(NA)	220	(NA)	(NA)	2,992
Texas	20.6	18.2	19.6	335	375	395	6,901	6,825	7,742
Virginia	4.5	4.7	4.1	250	220	290	1,125	1,034	1,189
Other States	-	3.2	4.4	-	245	315	-	784	1,387
United States	48.9	47.1	60.7	324	334	323	15,859	15,734	19,602
Fall:									
California	8.3	8.4	7.9	470	420	445	3,901	3,528	3,516
Colorado	59.8	57.4	57.1	388	393	389	23,196	22,575	22,236
San Luis Valley ...	53.9	51.8	51.5	380	385	385	20,482	19,943	19,828
All other areas ...	5.9	5.6	5.6	460	470	430	2,714	2,632	2,408
Idaho	320.0	322.0	324.0	415	405	430	132,880	130,400	139,320
10 S.W. counties	16.0	16.0	(NA)	515	500	(NA)	8,240	8,000	(NA)
All other counties	304.0	306.0	(NA)	410	400	(NA)	124,640	122,400	(NA)
Maine	50.5	50.5	46.5	290	320	325	14,645	16,160	15,113
Massachusetts	3.6	3.6	(NA)	285	305	(NA)	1,026	1,098	(NA)
Michigan	42.5	45.0	46.0	370	390	370	15,725	17,550	17,020
Minnesota	41.0	40.5	42.0	400	400	400	16,400	16,200	16,800
Montana	11.3	10.9	11.0	320	325	335	3,616	3,543	3,685
Nebraska	16.9	15.3	16.4	470	450	450	7,943	6,885	7,380
Nevada	(D)	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)	(NA)
New Mexico	(D)	(D)	(NA)	(D)	(D)	(NA)	(D)	(D)	(NA)
New York	15.8	14.8	14.8	275	280	240	4,345	4,144	3,552
North Dakota	77.0	80.0	72.0	310	345	300	23,870	27,600	21,600
Ohio	1.5	1.2	(NA)	280	230	(NA)	420	276	(NA)
Oregon	38.9	38.9	38.9	580	560	590	22,562	21,784	22,951
Pennsylvania	5.2	5.3	(NA)	275	280	(NA)	1,430	1,484	(NA)
Rhode Island	0.5	0.6	(NA)	245	135	(NA)	123	81	(NA)
Washington	165.0	170.0	169.0	615	590	625	101,475	100,300	105,625
Wisconsin	64.0	62.5	64.0	410	445	435	26,240	27,813	27,840
Other States ¹	9.3	7.9	-	420	415	-	3,906	3,280	-
United States	931.1	934.8	909.6	434	433	447	403,703	404,701	406,638
All Potatoes:									
United States	1,051.1	1,054.4	1,018.3	421	418	433	442,170	441,205	441,411

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ 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: 2015 and 2016 ¹

State	Crop of 2015			
	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	2,400	1,600	1,200	290
Colorado	16,500	12,300	8,300	3,600
Idaho	90,000	71,000	46,000	21,500
Maine	12,500	8,900	5,800	2,300
Michigan	10,900	6,700	3,500	(D)
Minnesota	10,400	7,800	4,700	1,400
Montana	3,400	3,300	1,900	(D)
Nebraska	4,400	3,100	2,200	(D)
New York	2,200	1,500	600	(D)
North Dakota	19,500	14,500	9,200	3,600
Oregon	17,000	12,000	7,500	3,000
Washington	56,000	42,000	27,000	11,500
Wisconsin	17,500	13,400	7,800	2,500
Other States ²	-	-	-	1,590
United States	262,700	198,100	125,700	51,280
Klamath Basin ³	5,100	3,000	1,650	(D)
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)

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Stocks 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. ² Includes data withheld above. ³ Includes 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, 2007-2016

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>
2007	397,753	265,500	199,300	125,500	50,420
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	398,482	262,700	198,100	125,700	51,280
2016	406,638	272,900	203,100	131,400	54,070

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

Table 4-57.—Potatoes: Utilization and processing, United States, 2015 and 2016

Utilization - 30 Program States	2015	2016
	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Sales		
Table stock	110,960	113,634
Processing	272,538	269,640
Other sales		
Livestock feed	919	1,083
Seed	25,648	26,310
Other Sales Total	26,567	27,393
Total sales	410,065	410,667
Non-sales		
Seed used on farms where grown	3,765	3,605
Household use and used for feed on farms where grown	866	679
Shrinkage and loss	26,509	26,460
Total non-sales	31,140	30,744
Total production	441,205	441,411
Processing - United States	2015	2016
	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Processing		
Chips and shoestring	56,807	60,266
All Dehydrated (including starch and flour)	48,016	48,015
Frozen french fries	152,329	156,985
Other frozen products	13,573	12,695
Canned potatoes	985	1,234
Other canned products (hash, stews, soups)	730	698
Other (including fresh pack, potato salad, vodka, etc)	6,420	6,000
Total	278,860	285,893

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

Table 4-58.—Potatoes: Production, seed used, and farm disposition, by seasonal groups, crop of 2015

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					
Arizona	1,015	(D)	(D)	(D)	(D)
California	10,280	754	8	935	9,337
Florida	6,808	658	1	-	6,807
North Carolina	2,667	(D)	(D)	(D)	(D)
Other States ¹	-	422	5	33	3,644
United States	20,770	1,834	14	968	19,788
Summer					
Delaware	(D)	(D)	(D)	(D)	(D)
Illinois	2,622	158	-	12	2,610
Kansas	1,206	105	-	46	1,160
Maryland	792	36	1	1	790
Missouri	2,471	194	-	10	2,461
New Jersey	(D)	(D)	(D)	(D)	(D)
Texas	6,825	584	-	-	6,825
Virginia	1,034	70	2	3	1,029
Other States	784	55	-	2	782
United States	15,734	1,202	3	74	15,657
Fall					
California	3,528	154	2	141	3,385
Colorado	22,575	1,415	930	2,030	19,615
Idaho	130,400	8,060	1,089	8,420	120,891
Maine	16,160	1,029	322	1,615	14,223
Massachusetts	1,098	88	16	9	1,073
Michigan	17,550	1,152	335	540	16,675
Minnesota	16,200	840	104	826	15,270
Montana	3,543	294	208	140	3,195
Nebraska	6,885	479	251	529	6,105
Nevada	(D)	(D)	(D)	(D)	(D)
New Mexico	(D)	(D)	(D)	(D)	(D)
New York	4,144	288	46	290	3,808
North Dakota	27,600	1,782	456	2,234	24,910
Ohio	276	29	5	5	266
Oregon	21,784	1,053	207	1,305	20,272
Pennsylvania	1,484	122	28	22	1,434
Rhode Island	81	12	2	1	78
Washington	100,300	4,323	268	6,220	93,812
Wisconsin	27,813	1,361	222	1,004	26,587
Other States ¹	3,280	198	123	136	3,021
United States	404,701	22,679	4,614	25,467	374,620
All potatoes					
United States	441,205	25,715	4,631	26,509	410,065

- 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 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 4-60.—Potatoes, fresh & seed: United States exports by country of destination and imports by country of origin, 2011–2013

Country	2011	2012	2013
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Imports			
Canada	491,495	352,959	390,719
Belgium-Luxembourg(*)	0	0	23
Ecuador	0	0	3
Peru	25	9	1
Dominican Republic	5	0	0
Germany(*)	45	0	0
India	0	1	0
Mexico	19	0	0
Leeward-Windward Islands(*)	0	1	0
World Total	491,588	352,970	390,746
Exports			
Canada	284,785	240,858	270,969
Mexico	73,570	79,948	82,954
Taiwan	9,300	18,704	18,158
Japan	9,138	14,665	17,312
Korea, South	16,654	18,661	16,291
Malaysia	12,596	17,181	16,105
Philippines	4,431	5,289	10,136
Indonesia	74	3,024	8,323
Singapore	6,136	5,875	6,086
Thailand	8,767	11,533	4,877
Dominican Republic	2,107	5,105	4,676
Hong Kong	3,798	4,030	3,922
Nicaragua	1,139	1,541	2,856
Bahamas, The	1,207	1,883	2,467
Panama	820	984	1,621
Russia	2,284	4,987	1,579
Guatemala	1,809	2,678	1,472
Vietnam	344	2,397	1,284
Brazil	176	0	1,106
Costa Rica	2,695	830	1,069
Leeward-Windward Islands(*)	769	707	999
Trinidad and Tobago	267	731	860
United Arab Emirates	82	164	722
El Salvador	778	565	504
Cayman Islands	125	241	347
Poland	0	0	270
Sri Lanka	197	150	256
Jamaica	105	46	174
Congo (Kinshasa)	0	100	160
Belize	168	153	135
Rest of World	4,726	4,437	1,122
World Total	449,047	447,468	478,809

(*) 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, 2007–2016¹

Year beginning July	Imports for consumption	Domestic exports
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
2007/2008	10,852	6,731
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	10,104	10,136
2016/2017	11,265	11,283

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, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	5,800	6,100	5,000	1,798	1,464	1,350	16.10	17.80	11.30
Illinois	19,800	14,700	17,400	7,458	3,179	6,767	6.32	3.79	7.74
Indiana	(NA)	(NA)	4,900	(NA)	(NA)	662	(NA)	(NA)	14.40
Michigan	6,100	5,000	5,100	970	770	791	11.80	15.70	12.40
Minnesota	(NA)	(NA)	1,500	(NA)	(NA)	167	(NA)	(NA)	19.10
New Jersey	(NA)	(NA)	2,000	(NA)	(NA)	202	(NA)	(NA)	27.00
New York	5,200	4,400	2,800	690	489	322	29.70	22.60	19.40
North Carolina	(NA)	(NA)	3,600	(NA)	(NA)	936	(NA)	(NA)	24.80
Ohio	6,300	5,500	6,200	1,053	842	930	17.80	17.10	17.90
Oregon	(NA)	(NA)	2,100	(NA)	(NA)	483	(NA)	(NA)	10.70
Pennsylvania	5,900	5,200	4,300	1,050	794	735	15.70	18.40	20.30
Tennessee	(NA)	(NA)	1,800	(NA)	(NA)	274	(NA)	(NA)	22.00
Texas	(NA)	(NA)	3,700	(NA)	(NA)	1,480	(NA)	(NA)	10.40
Virginia	(NA)	(NA)	2,200	(NA)	(NA)	372	(NA)	(NA)	30.00
Washington	(NA)	(NA)	2,200	(NA)	(NA)	398	(NA)	(NA)	25.80
Wisconsin	(NA)	(NA)	1,800	(NA)	(NA)	201	(NA)	(NA)	18.90
United States	49,100	40,900	66,600	13,019	7,538	16,070	11.00	12.00	13.00

(NA) Not available.
 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, 2007–2016

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>
2007	45,900	250	11,458	10.80	123,519
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	66,600	241	16,070	13.00	207,659

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, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	8,000	10,300	(NA)	1,240	1,288	2,016	39.90	42.90	46.20
California	26,000	26,700	(NA)	4,160	4,272	(D)	45.50	63.40	(D)
New Jersey	1,300	1,400	(NA)	221	210	197	37.70	49.30	47.90
Texas	1,500	2,100	(NA)	225	263	275	44.00	21.00	26.50
Other States ¹	740	690	(NA)	73	43	3,078	37.20	37.20	55.90
United States	37,540	41,190	(NA)	5,919	6,076	5,566	43.90	56.50	50.60

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 includes only fresh market production and fresh market price.

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Other 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, 2010-2016

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>
2010	30,735	184	5,648	42.70	241,050
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)	5,566	50.60	281,793

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 includes 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 4-66.—Spinach for processing, commercial crop: Area, yield, production, value per ton, and total value, United States, 2010-2016

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>
2010	10,200	8.34	85,050	143.00	12,153
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)	78,450	138.00	10,790

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 includes only processing production, processing price, and processing value.

(NA) Not available. ¹ Price 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, 2007–2016

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>
2007	97.4	186	18,070	18.30	330,060
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	705,690

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, 2014–2016

State	Area harvested			Production			Market year average price per cwt		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	2.0	2.5	(NA)	440	550	(NA)	24.10	21.40	(NA)
Arkansas	3.9	3.8	(D)	780	741	(D)	(D)	27.20	(D)
California	19.0	18.5	20.0	5,225	6,290	6,200	30.10	23.70	23.10
Florida	5.9	5.4	(D)	1,180	1,107	(D)	(D)	(D)	(D)
Louisiana	8.8	9.0	9.5	2,024	1,980	1,520	17.40	21.60	21.30
Mississippi	21.5	26.0	29.0	3,763	3,770	4,930	19.30	20.90	22.80
New Jersey	1.2	1.2	(NA)	192	168	(NA)	36.90	31.50	(NA)
North Carolina	72.0	86.0	95.0	15,840	16,340	17,100	22.00	19.40	18.10
Texas	0.9	0.7	(NA)	140	70	(NA)	27.60	(D)	(NA)
Other States	-	-	9.8	-	-	1,796	36.60	43.10	30.10
United States	135.2	153.1	163.3	29,584	31,016	31,546	23.90	21.80	20.70

- 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, 2014–2016

State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	5,400	6,400	918	864	1,280	32.90	34.50	28.10
Florida	6,800	5,900	5,800	800	600	667	50.80	45.80	45.10
Georgia	3,200	3,000	3,600	480	420	576	31.80	40.30	38.00
Michigan	6,000	5,600	6,100	1,200	1,114	1,464	15.00	17.50	16.30
New Jersey	2,700	2,800	3,400	354	252	388	32.80	37.80	32.70
New York	4,300	4,200	3,100	691	594	527	45.40	42.00	35.00
North Carolina	3,000	2,400	3,100	162	235	217	51.90	28.30	30.00
Ohio	1,600	1,800	(NA)	304	324	(NA)	34.00	40.00	(NA)
Oregon	3,000	3,500	2,900	780	1,230	841	9.80	8.00	8.60
South Carolina	1,000	1,500	(NA)	150	165	(NA)	37.50	25.90	(NA)
Tennessee	830	590	(NA)	43	38	(NA)	30.30	53.00	(NA)
Texas	1,500	2,000	1,900	135	180	171	55.00	57.00	41.20
United States	39,330	38,690	36,300	6,017	6,016	6,131	31.20	29.00	26.70

(NA) Not available.
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, 2010-2016

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>
2010	42,600	153	6,514	30.40	198,025
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	36,300	169	6,131	26.70	163,717

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, 2010–2016

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>
2010	475	3,900	0.645	2,516
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	(NA)	(NA)	(NA)	(NA)

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

Table 4-72.—Tomatoes: Foreign trade, United States, 2007–2016

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
2007/2008	23,905	239	4,097	288	3,641	1,256	4,493	4,721
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	1,939	1,219	9,120	8,193
2016/2017	38,018	322	3,953	206	1,959	1,446	9,161	8,152

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, 2007–2016

Year	For fresh market				
	Area harvested	Yield per acre	Production	Value ¹	
				Per cwt	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2007	108,100	311	33,627	34.80	1,168,693
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)	23,668	40.70	963,028

Year	For processing				
	Area harvested	Yield per acre	Production	Value ²	
				Per ton	Total
	Acres	Cwt	1,000 cwt	Dollars	1,000 dollars
2007	313,600	40.37	12,659,890	71.20	901,761
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)	13,189,801	82.80	1,092,749

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 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, 2014–2016¹

Utilization and State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
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	1,200	1,100	(NA)	420	385	(NA)	28.30	51.50	(NA)
Arkansas	900	800	(NA)	153	152	(NA)	62.00	59.00	(NA)
California	32,300	28,300	(NA)	10,175	8,773	10,626	34.80	35.00	28.00
Florida	33,000	32,200	(NA)	9,240	9,499	7,280	47.30	47.70	52.50
Georgia	2,300	2,700	(NA)	575	918	(NA)	30.40	39.40	(NA)
Indiana	820	700	(NA)	152	50	85	48.80	55.00	55.50
Michigan	1,900	2,600	(NA)	466	780	744	35.70	53.60	47.00
New Jersey	2,900	2,900	(NA)	624	653	(D)	61.00	81.10	(D)
New York	2,600	2,300	(NA)	312	299	(NA)	76.80	105.00	(NA)
North Carolina ..	3,400	3,300	(NA)	850	1,023	961	42.00	46.00	54.00
Ohio	3,600	3,500	(NA)	954	886	867	36.60	54.40	55.00
Pennsylvania	2,500	2,200	(NA)	415	389	(NA)	65.40	85.40	(NA)
South Carolina ..	3,200	3,200	(NA)	896	864	840	32.40	50.50	35.00
Tennessee	3,900	3,400	(NA)	1,326	1,003	(D)	43.00	56.00	(D)
Texas	780	900	(NA)	78	81	(NA)	57.30	60.00	(NA)
Virginia	2,300	2,100	(NA)	644	620	504	44.60	55.00	46.00
Other States	(X)	(NA)	(NA)	(X)	(NA)	1,761	(X)	(NA)	51.09
United States ...	97,600	92,200	(NA)	27,280	26,375	23,668	41.50	46.30	40.70
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	289,000	296,000	(NA)	14,010,000	14,361,000	12,647,000	98.60	93.00	81.60
Indiana	9,300	6,700	(NA)	344,100	191,620	241,200	114.00	120.00	113.00
Michigan	3,400	3,200	(NA)	129,200	95,040	120,100	117.00	117.00	112.00
New Jersey	289,000	296,000	(NA)	14,010,000	(NA)	(D)	(NA)	(D)	(D)
Ohio	4,400	4,700	(NA)	154,000	106,690	170,600	111.00	115.00	107.00
Tennessee	289,000	296,000	(NA)	14,010,000	(NA)	(D)	(NA)	(NA)	(D)
Other States	289,000	296,000	(NA)	14,010,000	(NA)	10,901	(NA)	(NA)	165.00
United States ...	306,100	310,600	(NA)	14,637,300	14,754,350	13,189,801	99.30	93.70	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.

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

Table 4-75.—Watermelon for 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>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	2,700	2,800	(NA)	456	420	(NA)	14.20	14.50	(NA)
Arizona	2,900	3,600	(NA)	1,334	1,584	2,448	19.40	16.80	14.40
Arkansas	1,600	1,500	(NA)	320	338	(NA)	13.00	14.80	(NA)
California	11,200	11,100	(NA)	6,384	5,512	6,750	14.60	14.50	18.20
Delaware	2,500	2,300	(NA)	833	761	838	13.00	13.00	14.00
Florida	19,700	21,000	(NA)	4,827	5,880	7,659	16.60	15.00	16.10
Georgia	19,000	19,000	(NA)	5,130	5,510	6,076	15.60	14.80	15.10
Indiana	7,600	6,900	(NA)	2,964	2,415	3,010	9.00	13.00	11.00
Maryland	3,300	3,200	(NA)	1,089	1,040	1,070	12.00	13.00	13.00
Mississippi	2,100	1,800	(NA)	378	315	(NA)	11.70	12.00	(NA)
Missouri	2,700	2,600	(NA)	837	572	(D)	9.40	8.70	(D)
North Carolina	5,500	5,800	(NA)	1,155	1,798	(D)	12.00	18.00	(D)
Oklahoma	2,600	4,000	(NA)	364	540	(NA)	11.80	13.50	(NA)
South Carolina	7,300	7,200	(NA)	1,862	2,736	2,592	14.80	13.50	15.80
Texas	20,000	23,000	(NA)	5,200	5,520	7,250	9.60	9.40	10.00
Virginia	650	650	(NA)	130	163	(NA)	15.00	22.00	(NA)
Other States	(NA)	(NA)	(NA)	(NA)	(NA)	2,432	(NA)	(NA)	13.70
United States	111,350	116,450	(NA)	33,263	35,475	40,125	13.50	13.80	14.40

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 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, 2010-2016

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>
2010	134,090	311	41,701	12.00	499,341
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)	40,125	14.40	578,800

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 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, 2016

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Vegetables	1,000 cwt												
Artichokes	30	51	76	89	43	61	62	60	67	50	53	51	693
Asparagus	3	60	159	160	84	.....	.....	.....	.....	.....	.....	.....	466
Beans	202	140	273	410	243	133	51	55	43	119	244	253	2,166
Beans-organic	1	.....	.....	2	3	.....	.....	.....	.....	1	2	.....	9
Beets .....	.....	.....	.....	4	6	3	5	4	5	6	4	.....	37
Beets-organic .....	.....	.....	.....	2	1	2	3	4	4	4	3	.....	19
Broccoli	472	503	680	660	469	549	429	474	457	447	544	574	6,258
Broccoli-organic .....	.....	.....	.....	18	53	39	41	42	47	44	52	22	358
Brussels sprouts	28	28	8	1	2	32	61	78	99	138	167	117	759
Cabbage	914	975	1,161	597	539	287	206	436	479	502	623	1,037	7,756
Cabbage-organic .....	.....	.....	.....	.....	1	1	1	6	7	7	4	.....	27
Carrots	614	580	620	631	599	582	532	599	549	567	581	645	7,099
Carrots-organic .....	.....	.....	63	76	62	39	46	50	48	49	54	60	547
Cauliflower	441	407	513	420	294	392	313	372	368	370	425	366	4,681
Cauliflower-organic .....	.....	.....	.....	20	28	24	32	27	37	41	41	15	265
Celery	1,247	1,386	1,490	1,320	1,309	1,153	1,010	1,037	1,075	1,149	1,611	1,451	15,238
Celery-organic .....	.....	.....	.....	1	14	71	78	97	102	110	90	19	582
Corn, sweet	224	189	575	1,497	2,960	3,214	850	464	183	395	277	278	11,106
Cucumbers	24	.....	82	396	578	608	481	527	346	572	401	246	4,261
Cucumbers-organic .....	.....	.....	.....	2	1	.....	.....	.....	1	2	2	1	9
Eggplant	32	31	23	65	129	183	43	27	45	151	114	63	906
Eggplant-organic .....	.....	.....	.....	3	.....	.....	.....	.....	.....	1	2	1	7
Endive	20	19	24	13	6	4	2	2	3	3	9	8	113
Escarole	28	23	29	20	7	4	3	3	4	4	13	13	151
Greens	338	209	310	249	228	249	114	91	102	179	338	352	2,759
Greens-organic	7	12	10	3	13	31	16	11	11	13	13	19	159
Lettuce, iceberg	2,027	2,020	2,727	2,246	2,027	2,289	2,108	2,310	2,246	2,144	2,081	2,226	26,451
Lettuce, iceberg-organic .....	.....	.....	.....	4	16	16	16	20	23	23	18	.....	136
Lettuce, other	376	369	407	272	206	197	199	202	207	214	282	410	3,341
Lettuce, other-organic .....	.....	.....	.....	2	10	8	7	4	6	7	6	7	57
Lettuce, romaine	1,889	1,924	2,341	1,814	1,517	1,523	1,365	1,650	1,578	1,543	1,881	2,294	21,319
Lettuce, romaine-organic	5	9	13	37	84	80	71	105	112	90	87	100	793
Lettuce processed	901	693	1,020	1,091	1,011	900	964	976	974	1,115	1,523	780	11,948
Lettuce processed-organic .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	5
Onions, dry	3,996	3,175	3,062	3,712	3,928	3,595	3,683	3,814	3,676	3,964	3,826	4,130	44,561
Onions, dry-organic	2	1	.....	1	14	4	2	2	1	1	1	1	30
Onions processed	627	585	550	692	426	579	497	273	454	600	541	629	6,453
Onions, green	9	13	10	10	18	26	25	22	21	29	23	18	224
Onions, green-organic .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	6
Parsley	21	20	31	41	40	30	27	28	28	28	32	26	352
Parsley-organic .....	.....	.....	.....	.....	4	5	2	2	1	1	1	2	18
Peas, green .....	.....	.....	.....	.....	1	1	2	3	3	3	1	.....	14
Peppers, bell	355	281	394	741	1,032	995	731	636	652	871	924	533	8,145
Peppers, bell-organic	1	.....	.....	1	2	6	1	2	2	3	9	3	30
Peppers, other	11	8	11	10	37	39	37	12	3	44	53	30	295
Potatoes, table	8,027	7,201	7,911	7,310	8,023	7,721	7,616	7,885	8,214	7,843	8,770	8,397	94,918
Potatoes, table-organic	115	107	112	71	59	28	8	57	107	131	161	163	1,119
Potatoes, chipper	5,124	3,870	4,051	5,090	4,292	4,548	5,350	4,445	4,665	5,386	3,911	5,265	55,997
Potatoes, seed	562	780	3,675	6,786	2,841	75	1	.....	1	85	92	196	15,094
Radishes	38	25	47	53	31	18	16	18	17	19	33	30	345
Spinach	268	269	302	91	67	59	59	64	61	60	159	227	1,686
Spinach-organic	3	8	5	1	.....	5	2	2	2	12	25	41	106
Squash	46	75	100	214	292	203	166	129	83	174	136	140	1,758
Squash-organic .....	.....	.....	.....	4	2	.....	.....	.....	.....	2	5	9	22
Sweet potatoes	843	806	1,021	880	795	810	633	643	597	773	1,284	806	9,891
Sweet potatoes-organic	6	9	7	10	3	2	1	1	3	9	8	6	65
Tomatoes	787	606	743	1,032	1,700	1,520	1,102	1,061	962	1,141	1,230	1,553	13,437
Tomatoes, greenhouse	101	86	99	167	169	168	190	130	108	132	105	123	1,578
Toms, Grape Type	106	101	156	194	189	95	53	57	52	87	148	129	1,367
Toms, Grape Type-greenhouse	10	8	9	13	13	22	20	12	10	13	13	16	159
Toms, Grape Type-organic	6	3	3	6	16	5	1	.....	1	2	10	12	65
Toms, Cherry	38	37	55	56	49	20	12	13	11	16	52	53	412
Toms, Cherry-greenhouse	6	4	4	4	6	3	4	3	3	3	3	2	45
Toms, Plum Type	192	132	153	218	244	163	219	280	262	190	255	243	2,551
Toms, Plum Type-greenhouse	3	3	3	5	4	8	9	7	6	6	7	6	67
Total	31,122	27,785	35,019	39,532	36,921	33,510	29,577	29,333	29,235	31,689	33,370	34,199	391,292

See footnote(s) at end of table.

Table 4-77.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 2016—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Melons:	1,000 cwt												
Cantaloupe				4	1,998	3,233	2,984	2,970	2,125	1,072	247		14,633
Cantaloupe-organic					76	64	26	68	54	12			300
Honeydews				1	128	381	714	808	790	319	81		3,222
Honeydews-organic					6	13	10	17	7				53
Mixed & misc. melons ..					125	188	125	84	14	45	16		597
Mixed & misc. melons-organic						1	8	5	2				24
Watermelons, seedless				540	5,518	9,525	8,772	8,330	2,476	175			35,336
Watermelons, seedless-organic						13	25	6	4				48
Watermelons, seeded ..				64	657	843	712	482	90	1			2,849
Watermelons, seeded-organic						1	3						4
Total				609	8,509	14,269	13,379	12,770	5,562	1,624	344		57,066

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, 2007–2016 ¹

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>
2007	8.0	6.4	19.2	1.2	5.6	8.0
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	5.6	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	20.5	1.6	6.6	8.5
2015	6.3	7.5	20.5	1.5	7.4	8.8
2016	5.8	8.0	21.3	1.5	7.6	7.8

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>
2007	18.4	11.5	2.2	2.7	1.7	6.3
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	13.5	11.0	1.6	2.4	1.7	5.4
2016	14.9	12.3	1.7	2.6	1.5	5.0

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>
2007	9.2	21.6	1.6	9.4	15.01	148.1
2008	9.1	20.2	1.7	9.5	14.51	143.1
2009	9.2	19.6	2.0	9.8	13.98	141.3
2010	9.2	19.6	1.7	10.3	14.40	144.3
2011	8.2	19.1	1.8	10.6	14.78	141.9
2012	8.7	19.5	1.6	10.7	15.50	144.7
2013	8.9	18.5	1.6	10.0	15.00	140.9
2014	7.6	18.3	1.7	10.7	16.66	142.1
2015	8.6	18.9	1.7	11.1	13.79	141.8
2016	7.3	18.7	1.5	11.4	16.21	145.1

¹ Fresh 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. ² After 1996, includes an ERS estimate of domestically produced hothouse tomatoes. Hothouse imports included in all years. ³ Includes 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. ⁴ Excludes 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, 2007–2016

Year	Cabbage for kraut	Asparagus	Snap beans	Carrots	Green peas
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2007	1.0	0.1	3.5	0.9	1.2
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	1.3	0.1	3.2	0.9	0.8
Year	Tomatoes	Sweet corn	Pickles	Other ¹	Total ²
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2007	68.7	6.8	3.7	8.4	94.5
2008	67.1	6.7	3.5	8.8	92.8
2009	70.3	7.6	5.1	8.9	98.7
2010	70.8	6.9	3.7	9.1	97.1
2011	65.7	5.8	2.8	9.2	89.4
2012	66.5	5.9	3.0	9.9	91.0
2013	65.9	5.8	3.2	9.6	90.2
2014	67.2	5.8	3.9	9.7	92.0
2015	56.3	5.3	3.4	10.0	80.8
2016	61.2	5.1	3.2	10.7	86.6

¹ Includes beets, chile peppers (all uses), green lima beans and spinach. ²Total excludes mushrooms and potatoes. May not add due to rounding.

ERS, Market and Trade Economics Division, (202) 694-5326.

Table 4-80.—Vegetables, freezing: Per capita utilization (farm weight basis), United States, 2007–2016

Year	Asparagus	Snap beans	Carrots	Peas	Broccoli
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2007	0.1	2.1	1.5	1.8	2.7
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	1.6	1.1	2.5

Year	Cauliflower	Sweet Corn	Other ¹	Total vegetables excluding potatoes
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2007	0.4	10.0	4.1	22.6
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	7.6	4.7	20.0

¹ Includes green lima beans, spinach, and miscellaneous freezing vegetables. ² Totals may not add due to rounding. ERS, Market and Trade Economics Division, (202) 694-5326.

Table 4-81.—Commercially produced vegetables: Per capita utilization, United States, 2007–2016

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>
2007	399.5	148.1	251.5	94.5	22.6	124.3	10.1
2008	386.5	143.1	243.4	92.7	21.9	118.3	10.5
2009	385.5	141.3	244.2	98.7	21.4	113.3	10.8
2010	387.4	144.3	243.1	97.1	20.9	113.8	11.2
2011	375.8	141.9	233.9	89.4	21.9	110.3	12.2
2012	384.8	144.7	240.1	91.0	22.3	114.7	12.2
2013	374.7	140.6	234.1	90.2	19.5	113.3	11.0
2014	379.3	141.7	237.5	92.0	19.8	112.8	12.9
2015	369.3	139.7	229.6	80.8	20.4	115.4	13.0
2016	371.1	140.7	230.4	86.6	20.0	111.2	12.7

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>	
2007	37.1	62.9	23.6	5.7	31.1	2.5	
2008	37.0	63.0	24.0	5.7	30.6	2.7	
2009	36.7	63.3	25.6	5.5	29.4	2.8	
2010	37.3	62.7	25.1	5.4	29.4	2.9	
2011	37.8	62.2	23.8	5.8	29.3	3.3	
2012	37.6	62.4	23.6	5.8	29.8	3.2	
2013	37.5	62.5	24.1	5.2	30.2	2.9	
2014	37.4	62.6	24.3	5.2	29.7	3.4	
2015	37.8	62.2	21.9	5.5	31.2	3.5	
2016	37.9	62.1	23.3	5.4	30.0	3.4	

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, 2015 and 2016

Month	Asparagus		Lima beans		Green beans, regular cut		Green beans, french style	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	12,620	12,144	58,804	53,533	161,510	180,082	13,214	14,378
February	11,115	11,225	53,249	50,432	153,916	158,534	10,323	14,121
March	10,608	10,877	51,849	47,576	135,211	142,228	10,177	13,331
April	10,084	10,290	47,874	46,603	123,221	136,727	8,250	12,092
May	13,037	12,246	42,782	42,577	119,151	131,014	7,246	10,477
June	14,457	14,490	41,133	40,193	113,449	122,127	8,025	9,912
July	14,209	13,429	37,376	37,743	155,410	169,238	12,653	13,009
August	14,270	12,697	44,819	45,577	226,850	242,529	12,695	18,951
September	13,283	12,328	62,195	61,184	255,661	265,200	19,787	20,521
October	12,579	12,089	66,999	66,795	243,986	263,320	19,142	18,876
November	12,883	12,133	59,313	59,516	225,001	233,980	16,305	16,312
December	11,926	11,395	57,841	55,895	199,994	209,496	15,279	14,482

Month	Broccoli, spears		Broccoli, chopped & cut		Brussels sprouts		Carrots, diced	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	25,796	24,480	34,751	38,275	15,090	18,028	155,485	159,472
February	27,826	26,498	38,107	35,525	14,120	16,367	144,853	148,175
March	29,124	26,783	37,416	34,633	13,448	14,363	134,587	142,072
April	29,731	33,170	39,532	35,389	13,170	13,801	121,669	129,994
May	29,475	29,783	39,932	34,273	13,658	13,785	115,221	116,769
June	27,821	27,727	42,211	37,574	14,691	13,061	99,334	99,573
July	26,272	28,986	41,556	40,191	13,401	13,569	87,345	95,109
August	27,564	27,355	50,159	44,837	12,241	12,265	84,143	83,701
September	28,387	25,951	50,323	41,996	12,352	11,564	83,391	85,034
October	26,873	25,119	44,935	41,969	14,338	15,110	148,160	125,903
November	27,317	24,068	41,373	41,462	16,636	18,241	172,525	173,404
December	25,023	21,870	39,398	42,915	19,843	22,021	161,755	161,641

Month	Carrots, other		Cauliflower		Corn, cut		Corn, cob	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	155,156	163,079	20,172	25,971	464,026	488,940	206,000	216,834
February	138,003	154,349	18,289	24,669	431,593	479,571	175,910	198,513
March	120,999	144,494	17,903	23,833	395,330	412,766	156,425	164,351
April	117,545	141,373	17,761	23,236	348,564	381,312	132,387	135,956
May	102,967	132,722	17,424	23,443	313,388	339,900	110,912	112,977
June	88,645	119,896	18,203	22,634	262,028	289,897	88,817	91,597
July	83,838	109,006	16,963	21,690	287,729	301,633	112,873	97,354
August	79,673	113,894	15,146	18,853	446,215	464,716	165,657	177,551
September	106,742	117,326	14,226	19,651	621,237	587,865	239,922	223,337
October	157,115	163,522	24,622	26,266	640,668	600,062	244,687	250,261
November	173,385	197,013	24,833	26,986	582,672	552,697	229,113	227,305
December	166,317	191,102	26,448	27,325	520,804	522,396	220,295	207,064

Month	Mixed vegetables		Okra		Onion rings		Onions, other	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	55,851	56,725	34,631	46,590	9,276	11,945	34,589	34,588
February	56,039	55,364	29,153	38,266	8,980	13,311	39,075	34,825
March	57,851	57,650	23,998	27,614	9,862	14,630	39,098	36,320
April	59,040	59,996	19,361	18,995	11,918	17,022	40,784	41,071
May	58,132	61,403	16,410	15,574	11,810	16,323	44,569	41,226
June	58,099	60,593	16,337	27,167	13,135	16,005	43,538	41,801
July	56,960	66,007	31,938	40,280	11,734	14,024	41,733	40,564
August	60,109	65,596	48,184	46,536	11,923	14,144	41,505	47,847
September	62,186	65,498	66,862	51,893	11,242	13,977	36,864	44,597
October	58,359	62,944	70,851	45,379	12,145	15,179	36,790	43,979
November	55,274	61,384	63,695	38,372	11,784	13,542	35,137	46,329
December	55,067	62,424	56,080	33,964	12,004	13,769	33,020	48,337

See footnote(s) at end of table.

Table 4-82.—Frozen Vegetables and potato products: Cold storage holdings, end of month, United States, 2015 and 2016—Continued

Month	Blackeye peas		Green peas		Peas & carrots mixed		Spinach	
	2015	2016	2015	2016	2015	2016	2015	2016
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	1,969	2,245	205,887	251,096	7,299	7,409	37,933	46,300
February	1,846	2,249	189,997	225,590	7,326	7,783	40,421	48,937
March	1,822	2,222	154,385	195,128	7,315	8,168	48,253	51,476
April	2,364	1,740	127,621	166,005	6,964	8,970	51,884	54,104
May	2,816	1,674	127,985	173,146	7,459	8,308	57,732	58,234
June	2,869	1,377	314,155	360,749	7,580	8,348	60,413	57,913
July	2,975	1,511	414,632	455,262	7,637	8,125	53,984	55,714
August	2,121	1,332	397,020	437,827	8,292	8,462	48,267	54,125
September	2,330	1,650	372,987	401,126	8,225	8,570	40,430	50,834
October	2,159	1,243	335,536	361,786	8,135	8,046	38,540	53,179
November	2,493	1,629	308,934	343,397	7,751	6,640	40,500	53,268
December	2,434	1,600	274,778	323,820	7,052	6,884	42,629	54,850

Month	Squash		Southern greens		Other vegetables		Total frozen vegetables	
	2015	2016	2015	2016	2015	2016	2015	2016
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	59,715	62,562	11,941	18,840	357,718	368,774	2,144,859	2,302,290
February	54,447	56,243	15,065	22,736	335,823	346,407	1,995,476	2,169,690
March	49,520	51,282	17,021	25,850	327,915	326,102	1,850,117	1,973,749
April	43,978	47,622	20,894	23,650	319,475	322,249	1,714,071	1,861,367
May	43,088	44,368	18,052	20,532	307,475	328,465	1,620,721	1,769,219
June	39,517	42,122	19,717	19,105	302,891	331,768	1,697,065	1,855,629
July	41,401	45,836	14,741	19,858	321,753	340,474	1,889,113	2,028,612
August	49,943	52,030	12,050	18,049	364,047	405,041	2,222,893	2,413,915
September	53,728	57,591	10,231	17,474	397,496	441,482	2,570,087	2,626,649
October	63,065	64,452	11,566	15,574	407,400	476,689	2,688,650	2,757,742
November	65,214	66,882	16,227	16,668	391,876	463,852	2,580,241	2,695,080
December	65,550	64,176	18,405	18,899	391,886	453,978	2,423,828	2,570,303

Month	Frozen potatoes					
	French fries		Other frozen potatoes		Total frozen potatoes	
	2015	2016	2015	2016	2015	2016
	<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	899,617	813,623	192,123	208,060	1,091,740	1,021,683
February	924,506	814,417	208,415	231,625	1,132,921	1,046,042
March	925,691	824,643	220,737	247,546	1,146,428	1,072,189
April	908,125	832,264	219,040	262,764	1,127,165	1,095,028
May	919,142	832,319	216,455	289,839	1,135,597	1,122,158
June	916,294	889,492	235,411	286,296	1,151,705	1,175,788
July	832,304	882,810	233,141	266,218	1,065,445	1,149,028
August	828,168	904,433	218,845	256,089	1,047,013	1,160,522
September	840,315	969,743	217,728	247,418	1,058,043	1,217,161
October	874,165	1,000,935	218,787	252,524	1,092,952	1,253,459
November	850,663	927,791	204,894	252,691	1,055,557	1,180,482
December	809,569	893,453	197,327	231,118	1,006,896	1,124,571

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, 2007–2016

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>
2007	866.2	1,729.7	292.1	1,016.6	3,904.5
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	1,698.7	362.5	1,939.7	4,738.7

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, 2007–2016¹

Year	Apples, commercial crop ²	Peaches	Pears	Grapes (fresh basis)	Sweet cherries	Tart cherries	Apricots
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
2007	4,545	1,127	873	7,057	311	127	89
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	5,637	796	739	7,669	350	165	64
Year	Figs (fresh basis)	Plums (CA)	Prunes (fresh basis) (CA)	Prunes & Plums (ID,MI,OR,WA)	Olives	Strawberries ³	Avocados ³
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
2007	48	152	241	12	133	1,223	193
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	1,161	229
2016	32	135	157	(NA)	160	1,566	173
Year	Nectarines	Oranges ⁴	Tangerines and Mandarins ^{4,5}	Grapefruit ⁴	Lemons ⁴	Tangelos ^{4,6}	Cranberries
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
2007	283	7,625	361	1,627	798	56	328
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	5,164	1,033	682	886	(NA)	481
Year	Bananas	Kiwifruit	Dates	Papayas	Berries ⁷	Guavas ⁸	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	
2007	13	25	16	17	288	2	
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)	

(NA) Not available. ¹For some crops in certain years, production includes some quantities unharvested for economic reasons or excess cullage fruit. ²Estimates of the commercial crop refer to production in orchards of 100 or more bearing-age trees. ³Year of bloom. ⁴Year harvest was complete. ⁵Beginning in 2015, tangerine and mandarin estimates are discontinued for Arizona. ⁶Beginning in 2016, tangelos are included in tangerines and mandarins. ⁷Excludes strawberries and cranberries. ⁸Estimates 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, 2014–2016

State	Total production			Utilized production			Price per pound ¹ for crop of—		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	7.1	(D)	(NA)	7.1	(D)	(NA)	0.421	(D)	(NA)
California	240.0	201.0	251.0	240.0	200.0	250.0	0.238	0.254	0.216
Colorado ²	8.9	(D)	(NA)	8.2	(D)	(NA)	0.892	(D)	(NA)
Connecticut	19.9	25.1	12.9	19.6	24.3	12.5	0.632	0.585	0.973
Idaho	63.3	46.1	55.2	60.0	46.0	55.0	0.146	0.326	0.175
Illinois	21.0	20.5	18.7	20.2	19.9	18.1	0.764	0.558	0.872
Indiana ²	17.1	22.5	(NA)	16.0	20.5	(NA)	0.430	0.382	(NA)
Iowa ²	4.5	4.8	(NA)	3.8	4.0	(NA)	0.779	0.863	(NA)
Maine	38.0	35.6	36.5	36.8	35.1	36.3	0.421	0.504	0.483
Maryland	45.4	41.0	38.4	45.2	40.9	38.3	0.245	0.202	0.264
Massachusetts	43.3	43.1	29.0	40.3	42.4	28.4	0.492	0.530	0.445
Michigan	1,025.0	995.0	1,175.0	1,025.0	990.0	1,174.0	0.216	0.236	0.250
Minnesota	25.0	26.1	19.3	23.0	21.9	18.7	0.842	0.810	0.815
Missouri ²	20.9	28.3	(NA)	19.8	28.1	(NA)	0.283	0.440	(NA)
New Hampshire ²	16.9	20.2	(NA)	16.5	20.0	(NA)	0.616	0.638	(NA)
New Jersey	37.0	41.7	34.7	36.0	41.0	34.0	0.847	0.886	1.070
New York	1,260.0	1,360.0	1,180.0	1,250.0	1,350.0	1,170.0	0.200	0.207	0.271
North Carolina	125.0	105.0	104.0	125.0	103.0	103.0	0.246	0.207	0.237
Ohio	44.0	50.5	33.5	43.0	49.0	33.0	0.453	0.421	0.520
Oregon	155.0	125.4	195.4	155.0	125.0	195.0	0.279	0.355	0.307
Pennsylvania	534.0	519.0	442.0	523.0	515.0	439.0	0.167	0.191	0.198
Rhode Island ²	1.8	2.4	(NA)	1.7	2.2	(NA)	0.740	0.831	(NA)
Tennessee ²	5.5	4.6	(NA)	5.0	4.5	(NA)	0.438	0.295	(NA)
Utah ²	23.0	15.0	(NA)	22.4	14.9	(NA)	0.219	0.329	(NA)
Vermont	29.4	36.2	26.9	28.2	35.9	26.7	0.407	0.432	0.685
Virginia	205.0	195.2	180.0	205.0	195.0	178.0	0.173	0.177	0.201
Washington	7,650.0	5,930.0	7,320.0	7,050.0	5,890.0	6,900.0	0.268	0.394	0.346
West Virginia	94.0	92.3	80.0	94.0	92.0	79.8	0.150	0.152	0.190
Wisconsin	54.0	51.5	41.0	51.0	48.1	39.5	0.612	0.578	0.552
Other States ³	-	7.9	-	-	7.7	-	-	0.462	-
United States	11,814.0	10,046.0	11,273.5	11,170.8	9,966.4	10,829.3	0.257	0.336	0.320

¹ Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. 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, 2007–2016

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>
2007	9,089.4	9,045.4	28.8	2,608,220
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	11,273.5	10,829.3	32.0	3,462,460

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, 2007–2016

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>
2007	9,089.4	9,045.4	6,077.3	1,091.2	203.7	257.7	1,415.5
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	1,594.2
2016	11,273.5	10,829.3	7,555.2	1,193.5	339.2	137.5	1,603.9

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 2015 and 2016

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>
2015							
Arizona	(D)	(D)	(D)	.....	.....	.....	.....
California	201.0	200.0	(D)	.....	.....	.....	.....
Colorado	(D)	(D)	(D)	.....	.....	.....	.....
Connecticut	25.1	24.3	23.3	.....	.....	.....	.....
Idaho	46.1	46.0	30.0	.....	.....	.....	.....
Illinois	20.5	19.9	(D)	.....	.....	.....	.....
Indiana	22.5	20.5	12.5	.....	.....	.....	.....
Iowa	4.8	4.0	(D)	.....	.....	.....	.....
Maine	35.6	35.1	33.1	.....	.....	.....	.....
Maryland	41.0	40.9	(D)	.....	.....	.....	.....
Massachusetts ..	43.1	42.4	29.7	.....	.....	.....	.....
Michigan	995.0	990.0	450.0	235.0	.....	.....	.....
Minnesota	26.1	21.9	(D)	.....	.....	.....	.....
Missouri	28.3	28.1	23.6	.....	.....	.....	.....
New Hampshire ..	20.2	20.0	(D)	.....	.....	.....	.....
New Jersey	41.7	41.0	30.0	.....	.....	.....	.....
New York	1,360.0	1,350.0	715.0	264.0	.....	.....	.....
North Carolina ..	105.0	103.0	50.0	.....	.....	.....	.....
Ohio	50.5	49.0	40.0	.....	.....	.....	.....
Oregon	125.4	125.0	106.0	.....	.....	.....	.....
Pennsylvania	519.0	515.0	198.0	226.0	.....	.....	.....
Rhode Island	2.4	2.2	(D)	.....	.....	.....	.....
Tennessee	4.6	4.5	(D)	.....	.....	.....	.....
Utah	15.0	14.9	(D)	.....	.....	.....	.....
Vermont	36.2	35.9	30.9	.....	.....	.....	.....
Virginia	195.2	195.0	65.0	.....	.....	.....	.....
Washington	5,930.0	5,890.0	4,820.0	(D)	.....	.....	.....
West Virginia	92.3	92.0	18.0	.....	.....	.....	.....
Wisconsin	51.5	48.1	39.3	.....	.....	.....	.....
Other States	7.9	7.7	181.3	385.0	179.0	187.5	1,594.2
United States	10,046.0	9,966.4	6,895.7	1,110.0	179.0	187.5	1,594.2
2016							
Arizona ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
California	251.0	250.0	(D)	.....	.....	.....	.....
Colorado ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
Connecticut	12.9	12.5	11.7	.....	.....	.....	.....
Idaho	55.2	55.0	31.0	.....	.....	.....	.....
Illinois	18.7	18.1	(D)	.....	.....	.....	.....
Indiana ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
Iowa ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
Maine	36.5	36.3	24.2	.....	.....	.....	.....
Maryland	38.4	38.3	16.3	.....	.....	.....	.....
Massachusetts ..	29.0	28.4	21.1	.....	.....	.....	.....
Michigan	1,175.0	1,174.0	550.0	310.0	.....	.....	.....
Minnesota	19.3	18.7	16.8	.....	.....	.....	.....
Missouri ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
New Hamp- shire ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
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	.....	.....	.....
Rhode Island ² ..	(NA)	(NA)	(NA)	.....	.....	.....	.....
Tennessee ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
Utah ²	(NA)	(NA)	(NA)	.....	.....	.....	.....
Vermont	26.9	26.7	21.5	.....	.....	.....	.....
Virginia	180.0	178.0	73.0	.....	.....	.....	.....
Washington	7,320.0	6,900.0	5,520.0	290.0	.....	.....	.....
West Virginia	80.0	79.8	26.8	.....	.....	.....	.....
Wisconsin	41.0	39.5	31.8	.....	.....	.....	.....
Other States ³ ...	-	-	116.5	196.5	339.2	137.5	1,603.9
United States	11,273.5	10,829.3	7,555.2	1,193.5	339.2	137.5	1,603.9

(D) Data withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ Includes vinegar, wine, and slices for pie making. ² Estimates discontinued in 2016. NASS, Crops Branch, (202) 720-2127.

Table 5-8.—Fruits, fresh: United States exports by country of destination and imports by country of origin, 2014–2016

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Fresh fruits, deciduous:			
Canada	376,290	361,653	359,147
Mexico	408,685	462,645	356,780
Taiwan	113,272	101,430	99,491
Hong Kong	95,238	92,428	69,101
India	65,742	110,867	62,319
Indonesia	58,437	40,501	55,355
China	26,515	41,648	42,953
Vietnam	45,939	32,610	33,012
United Arab Emirates	65,687	68,147	30,315
Philippines	30,460	24,874	28,904
Korea, South	30,095	25,658	28,256
Dominican Republic	22,443	22,080	23,896
Thailand	28,553	28,308	22,137
Japan	14,178	13,151	21,226
Saudi Arabia	25,444	30,471	20,063
Australia(*)	23,162	16,400	19,539
Malaysia	27,542	18,697	14,460
Guatemala	16,993	16,418	14,209
Singapore	19,487	13,210	13,291
Costa Rica	14,271	17,190	12,925
Colombia	32,365	18,740	11,426
El Salvador	11,524	13,042	10,413
United Kingdom	17,295	9,312	9,408
Honduras	11,609	10,665	8,973
Israel(*)	9,000	5,890	8,881
New Zealand(*)	11,206	8,183	8,568
Panama	10,166	9,066	6,833
Trinidad and Tobago	5,245	6,395	6,061
Sri Lanka	3,781	4,389	3,849
Peru	5,842	5,962	3,686
Rest of World	58,441	41,363	33,424
World Total	1,684,904	1,671,393	1,438,902
Fresh fruit, other:			
Canada	192,483	192,483	187,703
Mexico	27,390	27,390	23,301
Japan	9,033	9,033	12,350
Korea, South	11,522	11,522	7,215
United Kingdom	4,309	4,309	6,151
Netherlands	4,437	4,437	4,884
Hong Kong	3,788	3,788	3,834
Chile	2,253	2,253	3,640
Bermuda	1,455	1,455	3,115
Taiwan	2,072	2,072	2,978
Russia	3,831	3,831	2,193
Belgium-Luxembourg(*)	2,620	2,620	2,068
Australia(*)	144	144	1,832
United Arab Emirates	4,012	4,012	1,791
France(*)	1,824	1,824	1,708
New Zealand(*)	1,060	1,060	1,694
Singapore	1,683	1,683	1,562
China	1,477	1,477	1,407
Saudi Arabia	1,837	1,837	1,357
Germany(*)	1,299	1,299	1,240
Bahamas, The	949	949	1,079
Cayman Islands	1,944	1,944	1,009
Brazil	420	420	895
Sweden	119	119	660
Costa Rica	452	452	602
Trinidad and Tobago	303	303	600
Colombia	1,114	1,114	556
Dominican Republic	587	587	527
Kuwait	304	304	509
Rest of World	24	24	503
Rest of World	4,957	4,957	4,479
World Total	289,700	289,700	283,442

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, 2014–2016—Continued

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Fresh melons:			
Canada	223,021	219,930	223,229
Mexico	29,389	12,345	16,912
Japan	8,821	6,386	9,036
Korea, South	1,900	1,946	2,752
Taiwan	869	1,649	2,553
Hong Kong	2,368	1,848	1,644
Bahamas, The	646	917	1,010
Kuwait	0	0	616
United Arab Emirates	874	97	352
Netherlands Antilles(*)	16	176	261
French Pacific Islands(*)	30	75	106
Turks and Caicos Islands	20	35	93
Australia(*)	64	0	80
Saudi Arabia	3	0	75
Cayman Islands	15	44	27
Trinidad and Tobago	12	0	27
Pakistan	0	0	25
Barbados	18	19	24
Panama	60	153	18
Bahrain	1	0	12
Leeward-Windward Islands(*)	28	8	11
Chile	0	0	11
Nicaragua	0	0	7
Bermuda	22	0	6
Jamaica	20	1	5
Qatar	0	0	3
India	0	101	1
Brazil	0	0	0
Bulgaria	0	0	0
China	0	0	0
Rest of World	260	265	0
World Total	268,457	245,993	258,895

(*) 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, 2007–2016¹

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>
2007	238,333	680,618	31,679
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	233,453	746,873	27,962
2016	220,394	881,228	25,401

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, 2007–2016

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>
2007	88,460	88,460	477.00	42,227
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

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

Table 5-11.—Apricots: Production and marketing year average price per ton, by State and United States, 2014–2016

State	Total production			Utilized production			Price for crop of—		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	55,400	38,500	56,000	55,400	38,500	55,950	777.00	1,020.00	875.00
Utah	228	7	(NA)	218	7	(NA)	1,510.00	(D)	(NA)
Washington	9,300	7,150	8,050	9,300	7,000	8,000	1,050.00	(D)	1,060.00
Other States .....	.....	.....	.....	.....	.....	.....	-	930.00	.....
United States	64,928	45,657	64,050	64,918	45,507	63,950	818.00	1,010.00	898.00

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

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

Table 5-12.—Apricots: Production and utilization, United States, 2007–2016

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh	Processed ¹		
				Canned	Dried (fresh basis)	Frozen
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
2007	88,460	88,460	29,270	24,000	13,000	(²)
2008	81,610	77,480	25,760	22,000	14,000	(²)
2009	68,720	68,690	25,170	23,100	9,000	(²)
2010	66,380	66,350	23,510	20,100	10,000	(²)
2011	66,650	66,620	23,990	17,150	12,000	(²)
2012	60,800	60,770	23,130	16,500	9,500	(²)
2013	61,035	61,028	25,228	14,550	10,000	(²)
2014	64,928	64,918	25,812	17,550	9,500	(²)
2015	45,657	45,507	19,104	9,000	9,000	(²)
2016	64,050	63,950	28,500	13,350	11,000	(²)

¹ California only. ² Withheld to avoid disclosure of individual operations. NASS, Crops Branch, (202) 720-2127.

Table 5-13.—Apricots: Production and utilization, by State and United States, crop of 2016

State	Total production	Utilized production	Utilization			
			Fresh	Processed ¹		
				Canned	Dried (fresh basis)	Frozen
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
California	56,000	55,950	22,000	13,350	11,000	(²)
Utah	(NA)	(NA)	(²)	(²)	(²)	(²)
Washington	8,050	8,000	6,500	(²)	(²)	(²)
United States	64,050	63,950	28,500	13,350	11,000	(²)

¹ California only. ² Withheld to avoid disclosure of individual operations. NASS, Crops Branch, (202) 720-2127.

Table 5-14.—Apricots: Foreign trade, United States, 2007–2016

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>
2007	7,357	1,217	679	405	11,722
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	7,772	718	893	163	12,879

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, 2007–2016

Year beginning October	Imports
	<i>Metric tons</i>
2007	307,167
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	877,031

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, 2007/2008 to 2016/2017

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>
2007/08	165,000	1,990.00	328,350	27,500	440.00	12,100
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	148,000	2,010.00	295,930	24,100	798.00	19,080
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>
2007/08	580	1,360.00	789	193,080	1,770.00	341,239
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	172,630	1,840.00	316,041

(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, 2007–2016

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>
2007	1,300	19.7	25,600	41.0	10,496
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

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

Table 5-18.—Kiwifruit: Area, yield, utilized production, marketing year average price, and value, California, 2007–2016

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>
2007	4,200	5.83	23,700	950	22,517
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

¹ Yield based on total production.
NASS, Crops Branch, (202) 720-2127.

Table 5-19.—Cherries: Foreign trade, United States, 2007–2016

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>
2007	22,125	5,403	45,462	14,427
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	74,705	19,035
2015	11,463	8,067	75,941	17,465
2016	12,451	8,116	115,887	16,410

ERS, Crops Branch, (202) 694-5255.

Table 5-20.—Sweet cherries: Production and value, United States, 2007–2016

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>
2007	310,680	306,210	1,820.00	557,056
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

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, 2007–2016

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>
2007	253.2	248.7	0.273	67,923
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	323.7	0.276	89,411

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, 2014–2016

State	Total production			Utilized production			Price ¹		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	33,200	60,100	55,000	29,200	59,500	52,500	4,840.00	3,900.00	3,510.00
Idaho ²	2,120	1,810	(NA)	2,000	1,810	(NA)	2,630.00	2,010.00	(NA)
Michigan	29,860	13,430	22,610	29,460	13,330	22,510	941.00	1,020.00	808.00
Montana ²	2,090	740	(NA)	1,930	700	(NA)	2,070.00	2,530.00	(NA)
New York ²	630	770	(NA)	610	720	(NA)	3,290.00	4,070.00	(NA)
Oregon	57,900	35,750	62,080	57,900	35,700	59,080	1,430.00	1,670.00	1,340.00
Utah ²	840	230	(NA)	810	226	(NA)	1,500.00	854.00	(NA)
Washington	237,000	222,650	210,550	237,000	221,900	209,000	2,120.00	1,970.00	2,350.00
United States	363,640	335,480	350,240	358,910	333,886	343,090	2,140.00	2,250.00	2,250.00

(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, 2014–2016

State	Total production			Utilized production			Price ¹		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	203.0	158.0	227.0	201.0	157.4	224.7	0.342	0.340	0.239
New York	10.3	10.5	7.9	10.3	10.4	7.9	0.302	0.253	0.304
Oregon ²	2.4	1.5	(NA)	2.3	1.5	(NA)	0.372	0.354	(NA)
Pennsylvania ²	0.9	7.5	(NA)	0.7	7.3	(NA)	0.631	0.385	(NA)
Utah	51.0	40.7	52.8	49.8	40.3	49.6	0.432	0.336	0.353
Washington	24.3	25.0	28.0	24.3	25.0	28.0	0.300	0.440	0.415
Wisconsin	12.3	9.3	13.6	12.2	9.2	13.5	0.394	0.331	0.302
United States	304.2	252.5	329.3	300.6	251.1	323.7	0.355	0.347	0.276

(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 2016¹

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	55,000	52,500	47,400	.....	.....
Idaho	(NA)	(NA)	(NA)	.....	.....
Michigan	22,610	22,510	1,460	.....	(D)
Montana	(NA)	(NA)	(NA)	.....	.....
New York	(NA)	(NA)	(NA)	.....	.....
Oregon	62,080	59,080	41,200	.....	13,400
Utah	(NA)	(NA)	(NA)	.....	(D)
Washington	210,550	209,000	167,800	800	19,800
Other States ² .....	.....	.....	-	1,900	18,400
United States	350,240	343,090	257,860	2,700	51,600

(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 2016¹

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	227.0	224.7	0.1	35.0	171.2
New York	7.9	7.9	(D)	.....	.....
Oregon	(NA)	(NA)	(D)	.....	.....
Pennsylvania	(NA)	(NA)	(D)	.....	.....
Utah	52.8	49.6	-	.....	.....
Washington	28.0	28.0	(D)	.....	.....
Wisconsin	13.6	13.5	0.1	.....	.....
Other States ² .....	.....	.....	0.4	3.0	70.9
United States	329.3	323.7	0.6	38.0	242.1

(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, 2007–2016

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>
2007	310,680	306,210	222,560	28,930	48,160
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

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, 2007–2016

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>
2007	253.2	248.7	1.6	20.1	179.3
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	323.7	0.6	.....	242.1

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 2007/2008 to 2016/2017

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>
2007/2008	234,376	9.36	2,198,828	179,745
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	120,420	15.16	1,844,529	74,399
Grapefruit				
2007/2008	37,900	7.15	273,076	18,677
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	16,560	15.07	249,960	6,943
Lemons				
2007/2008	16,300	32.12	523,528	5,918
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	22,150	34.91	773,233	4,367
Tangerines and Mandarins ⁶				
2007/2008	12,600	17.91	236,193	3,411
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	25,520	22.39	571,473	8,366
Tangelos (FL)				
2007/2008	1,500	5.76	8,638	1,068
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 ⁷	(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. ⁵Included in early, midseason, and navel orange varieties beginning with the 2006-07 season. ⁶Arizona and California tangelos and tangors included. ⁷Beginning 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, 2015/2016 and 2016/2017¹

Crop and State	Utilized production		Market year average price ²	
	2015/2016	2016/2017	2015/2016	2016/2017
	1,000 boxes ³	1,000 boxes ³	Dollars	Dollars
Oranges				
Early, midseason, and Navel varieties: ⁴				
California	47,200	39,300	14.65	17.97
Florida	36,100	33,000	12.13	11.64
Texas	1,351	1,090	17.21	15.69
Total	84,651	73,390	13.54	14.91
Valencia:				
California	11,300	11,000	11.94	20.69
Florida	45,600	35,750	13.87	14.05
Texas	340	280	20.78	25.70
Total	57,240	47,030	13.56	15.53
All oranges:				
California	58,500	50,300	14.12	18.56
Florida	81,700	68,750	13.10	12.89
Texas	1,691	1,370	17.93	17.74
United States	141,891	120,420	18.07	21.73
Grapefruit				
California	3,800	4,000	17.81	19.52
Florida, all	10,800	7,760	12.61	14.12
Colored ⁵	8,310	6,280	13.06	14.54
White	2,490	1,480	11.13	12.36
Texas	4,800	4,800	10.51	12.98
United States	10,606	9,617	13.09	15.07
Lemons				
Arizona	1,600	1,650	(D)	(D)
California	21,000	20,500	(D)	(D)
United States	22,600	22,150	(D)	(D)
Tangelos				
Florida	390	(NA)	22.52	(NA)
Tangerines and Mandarins				
California ⁶	21,700	23,900	(D)	(D)
Florida	1,415	1,620	23.17	22.31
United States	23,115	25,520	21.23	22.39

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. ¹ The crop year begins with the bloom of the first year shown and ends with completion of harvest the following year. ² Equivalent packinghouse-door returns. ³ Net 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. ⁴ Includes small quantities of tangerines in Texas and Temples in Florida. ⁵ Includes seedy grapefruit. ⁶ Includes 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, 2014–2016

Country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Canada	190,564	208,284	234,179
Korea, South	117,753	158,307	204,105
Japan	153,476	154,476	163,312
Hong Kong	105,301	79,268	117,897
China	25,035	34,587	53,091
Mexico	25,047	27,141	30,314
Taiwan	12,103	12,209	24,602
Australia(*)	28,272	33,091	22,316
Malaysia	20,541	16,807	17,896
Singapore	17,896	14,112	16,112
France(*)	17,546	15,491	12,381
Netherlands	15,830	16,087	10,512
Philippines	9,346	9,560	10,242
New Zealand(*)	10,410	10,591	10,012
Chile	6,927	2,567	3,943
Peru	2,902	2,853	3,142
Belgium-Luxembourg(*)	6,615	4,006	2,837
United Arab Emirates	482	994	2,815
United Kingdom	2,340	2,810	2,551
Indonesia	4,332	4,122	2,462
Vietnam	14,081	2,394	1,773
Ecuador	334	1,559	1,506
Bahamas, The	1,611	1,494	1,481
Germany(*)	1,511	1,536	1,397
Thailand	2,614	2,319	1,300
Guatemala	580	692	902
Saudi Arabia	110	0	899
Switzerland(*)	1,230	1,024	858
Sweden	788	467	542
Panama	433	498	527
Rest of World	8,010	4,344	4,007
World Total	804,021	823,687	959,910

(*) 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, 2007–2016

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>
2007	81,033	613,155	15,216	270,363	64,214	155,668	359,020	2,772	7,681	19,321
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	655,188	21,931	123,524	83,851	107,343	542,152	4,433	7,882	12,837
2016	172,259	610,586	26,845	107,933	110,277	106,771	602,749	4,794	2,250	12,896

¹ Year beginning October for all commodities.
ERS, Crops Branch, (202) 694–5255.

Table 5-33.—Concentrated citrus juices: Annual packs, Florida, 2007–2016

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>
2007	135,196	13,678	686
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	.....

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, 2007–2016

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>
2007	5,300	3.08	16,300	2,290	37,327
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	12,400	3.07	38,040	1,780	67,748

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

Table 5-35.—Dates: Foreign trade, United States, 2007–2016

Year beginning October	Imports
	<i>Metric tons</i>
2007	5,123
2008	13,079
2009	12,094
2010	20,113
2011	22,875
2012	23,945
2013	28,974
2014	47,700
2015	31,217
2016	21,995

ERS, Crops Branch, (202) 694-5255.

Table 5-36.—Cranberries: Area, yield, production, season average price per barrel, value and quantities processed, United States, 2007–2016 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>
2007	38,100	172.0	6,554,000	6,554,000	50.70	332,092	6,194,000
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	209.4	8,563,000	8,455,000	31.00	261,853	8,004,800
2016	41,500	232.0	9,627,400	9,544,000	30.60	292,292	9,083,900

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, 2014–2016

State	Area harvested			Yield per acre ¹		
	2014	2015	2016	2014	2015	2016
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Bbl.²</i>	<i>Bbl.²</i>	<i>Bbl.²</i>
Massachusetts	12,400	13,200	12,900	164.3	177.3	174.3
New Jersey	3,000	3,000	3,100	204.7	189.7	208.4
Oregon	2,900	2,900	2,800	162.8	191.4	140.7
Washington	1,600	1,600	1,600	97.5	123.8	109.4
Wisconsin	20,700	20,200	21,100	239.5	237.3	288.2
United States	40,600	40,900	41,500	202.9	206.7	230.0
State	Total production			Price per barrel ²		
	2014	2015	2016	2014	2015	2016
	<i>Bbl.²</i>	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Massachusetts	2,070,000	2,352,000	2,268,000	37.10	32.80	30.70
New Jersey	652,000	595,000	653,000	36.90	37.70	43.10
Oregon	500,000	562,000	401,000	23.10	26.50	26.50
Washington	156,000	198,000	175,400	44.60	44.20	44.20
Wisconsin	5,022,000	4,856,000	6,130,000	27.90	29.20	29.20
United States	8,400,000	8,563,000	9,627,400	30.90	31.00	30.60

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, 2007–2016

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>
2007	14,500	11,100	3,400	873	47,800	401	19,145
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	8,900	8,300	600	1,890	31,600	925	29,230

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

Table 5-39.—Figs, dried: Foreign trade, United States, 2007–2016

Year beginning October	Imports for consumption	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>
2007		2,978
2008		6,042
2009		4,035
2010		4,042
2011		4,236
2012		5,816
2013		10,294
2014		7,137
2015		11,821
2016		10,016

ERS, Crops Branch, (202) 694-5255.

Table 5-40.—Grapes: Production, price, and value, United States, 2007–2016

Year	Grapes			
	Production (fresh basis)		Market year average price per ton ¹	Value
	Total	Utilized		
Tons	Tons	Dollars	1,000 dollars	
2007	7,057,250	7,056,250	489.00	3,453,124
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	7,669,030	7,666,900	816.00	6,257,187

¹ Fresh fruit prices are equivalent packinghouse-door returns for California and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.
 NASS, Crops Branch, (202) 720-2127.

Table 5-41.—Grapes: Production and marketing year average price per ton, by State and United States, 2014–2016

State	Total production			Utilized production		
	2014	2015	2016	2014	2015	2016
	Tons	Tons	Tons	Tons	Tons	Tons
Arkansas	1,490	1,500	(NA)	1,390	1,500	(NA)
California	6,934,000	6,792,000	6,726,000	6,934,000	6,792,000	6,726,000
Raisin ¹	1,874,000	1,952,000	1,536,000	1,874,000	1,952,000	1,536,000
Table ¹	1,165,000	1,135,000	1,159,000	1,165,000	1,135,000	1,159,000
Wine	3,895,000	3,705,000	4,031,000	3,895,000	3,705,000	4,031,000
Georgia	4,000	5,000	(NA)	3,900	4,950	(NA)
Michigan	63,300	80,600	93,400	63,300	80,600	93,400
Missouri	4,030	5,650	5,330	4,030	5,650	5,330
New York	188,000	145,000	171,000	180,000	145,000	171,000
North Carolina	6,000	7,300	4,900	5,400	7,300	4,900
Ohio	3,810	3,500	5,500	3,560	3,480	5,470
Oregon	58,000	72,000	67,000	58,000	72,000	67,000
Pennsylvania	91,000	77,000	85,800	89,000	77,000	83,800
Texas	9,400	11,400	13,600	8,800	11,400	13,500
Virginia	8,800	9,200	8,500	8,200	9,200	8,500
Washington	512,000	411,000	488,000	512,000	411,000	488,000
Juice	285,000	189,000	218,000	285,000	189,000	218,000
Wine	227,000	222,000	270,000	227,000	222,000	270,000
United States	7,883,830	7,621,150	7,669,030	7,871,580	7,621,080	7,666,900

State	Price per ton ²		
	2014	2015	2016
	Dollars	Dollars	Dollars
Arkansas		902.00	762.00 (NA)
California		756.00	782.00 830.00
Raisin ¹		381.00	349.00 261.00
Table ¹		1,350.00	1,530.00 1,330.00
Wine		759.00	781.00 904.00
Georgia		1,470.00	1,510.00 (NA)
Michigan		315.00	319.00 324.00
Missouri		790.00	880.00 934.00
New York		385.00	393.00 377.00
North Carolina		807.00	762.00 895.00
Ohio		482.00	410.00 560.00
Oregon		2,040.00	2,100.00 2,140.00
Pennsylvania		318.00	320.00 335.00
Texas		1,500.00	1,600.00 1,530.00
Virginia		1,850.00	1,950.00 1,980.00
Washington		590.00	703.00 737.00
Juice		175.00	183.00 213.00
Wine		1,110.00	1,150.00 1,160.00
United States		740.00	776.00 816.00

(NA) Not available. ¹ Fresh equivalent of dried and not dried. ² Fresh fruit prices are equivalent packinghouse-door returns for California and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.
 NASS, Crops Branch, (202) 720-2127.

Table 5-42.—Grapes: Production and utilization, United States, 2007–2016

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	
2007	7,057,250	7,056,250	920,330	21,000	1,621,000	3,920,520	573,400
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	7,669,030	7,666,900	1,039,950	19,000	1,444,000	4,675,830	486,420

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 2016

State	Total production	Utilized production	Utilization				
			Fresh	Processed			
				Canned	Dried (fresh basis)	Crushed for—	
Tons	Tons	Tons	Tons	Tons	Wine	Juice, etc.	
Arkansas	(NA)	(NA)	(NA)	-	-	-	-
California	6,726,000	6,726,000	1,036,000	19,000	1,444,000	4,227,000	-
Raisin	1,536,000	1,536,000	29,000	19,000	1,390,000	98,000	-
Table	1,159,000	1,159,000	1,007,000	-	54,000	98,000	-
Wine	4,031,000	4,031,000	-	-	-	4,031,000	-
Georgia	(NA)	(NA)	(NA)	-	-	-	-
Michigan	93,400	93,400	-	-	-	7,100	84,600
Missouri	5,330	5,330	-	-	-	5,330	-
New York	171,000	171,000	2,000	-	-	54,000	115,000
North Carolina	4,900	4,900	590	-	-	4,310	-
Ohio	5,500	5,470	60	-	-	2,790	2,620
Oregon ¹	67,000	67,000	-	-	-	67,000	-
Pennsylvania	85,800	83,800	1,000	-	-	16,600	66,200
Texas	13,600	13,500	300	-	-	13,200	-
Virginia	8,500	8,500	-	-	-	8,500	-
Washington	488,000	488,000	-	-	-	270,000	218,000
Other States ²	-	-	-	-	-	-	-
United States	7,669,030	7,666,900	1,039,950	19,000	1,444,000	4,675,830	486,420

- Represents zero. (NA) Not available. ¹Wine includes small quantities for other uses. ²Includes data withheld above and/or data for States not listed in this table.
NASS, Crops Branch, (202) 720–2127.

Table 5-44.—Grapes and raisins: Foreign trade, United States, 2007–2016

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>
2007	567,079	299,891	22,647	175,112
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	625,355	330,179	14,775	136,377

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.
NASS, Crops Branch, (202) 720–2127.

Table 5-46.—Nectarines: Total Production, utilization, and value, United States, 2007–2016

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>
2007	283,000	283,000	(¹)	340.00	96,305
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

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, 2007–2016

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>
2007	132,500	654	86,694	12,000	96,000	20,000	4,000
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	159,600	865	138,090	92,500	54,000	11,100	2,000

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

Table 5-48.—Olives and olive oil: Foreign trade, United States, 2007–2016

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>
2007	118,085	133	262,716	1,575
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	315,576	156

ERS, Crops Branch, (202) 694-5255.

Table 5-49.—Peaches: Production and value, United States, 2007–2016

Year	Total production	Utilized production	Marketing year average price ¹	Value
	1,000 tons	1,000 tons	Dollars per ton	1,000 dollars
2007	1,127.2	1,115.9	450	502,087
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	1,071.2	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

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, 2007–2016

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
2007	1,127.2	1,115.9	441.2	484.8	12.7	135.4	41.8
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	1,071.2	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	.....

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, 2007–2016

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
2007	112,325	37,266	10,019	690	163,446
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	77,761	10,689	18,698	364	109,172
2016	54,820	7,378	19,547	278	83,289

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, 2014–2016

State	Total production			Utilized production			Price per ton ¹		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
Alabama	3,400	5,550	3,300	1,900	5,520	3,270	1,200.00	1,120.00	1,390.00
Arkansas ²	650	1,100	(NA)	570	1,070	(NA)	1,840.00	1,840.00	(NA)
California	620,000	607,600	569,000	620,000	604,600	569,000	574.00	562.00	616.00
Freestone ...	288,000	267,000	322,000	288,000	264,000	322,000	811.00	680.00	518.00
Clingstone ...	332,000	340,600	247,000	332,000	340,600	247,000	369.00	470.00	743.00
Colorado	13,260	11,200	13,730	12,650	10,570	13,260	2,430.00	2,250.00	2,040.00
Connecticut ² ...	1,770	1,365	(NA)	1,750	1,360	(NA)	2,500.00	2,080.00	(NA)
Georgia	35,500	40,600	43,300	33,000	33,700	39,500	1,090.00	1,040.00	1,070.00
Idaho	8,200	6,830	7,770	7,800	6,630	7,720	1,070.00	943.00	900.00
Illinois	3,700	3,340	5,940	3,550	3,020	5,890	1,270.00	1,470.00	2,570.00
Maryland	3,810	3,860	2,250	3,070	3,800	2,130	1,040.00	1,030.00	1,250.00
Massachusetts ² ..	1,249	1,485	(NA)	1,187	1,455	(NA)	2,240.00	2,330.00	(NA)
Michigan	8,860	7,180	10,600	8,440	7,080	10,500	919.00	834.00	877.00
Missouri	4,090	2,480	3,050	3,940	2,250	3,020	1,140.00	1,370.00	1,740.00
New Jersey	22,450	21,170	19,980	21,050	21,100	19,910	1,320.00	1,310.00	1,430.00
New York	7,270	6,990	2,750	7,070	6,900	2,740	1,790.00	1,250.00	1,420.00
North Carolina ..	4,400	5,400	3,600	4,300	5,290	3,600	1,450.00	1,320.00	1,290.00
Ohio	230	1,200	1,570	220	1,180	1,530	1,680.00	1,520.00	1,750.00
Pennsylvania ...	14,940	18,190	16,000	14,460	18,100	15,800	1,190.00	1,170.00	1,210.00
South Carolina ..	65,700	68,900	63,300	60,800	59,700	52,800	1,120.00	1,070.00	1,290.00
Texas	3,800	5,100	4,400	3,300	4,700	4,200	2,000.00	1,800.00	2,200.00
Utah	6,500	3,900	5,160	6,200	3,880	4,250	981.00	1,080.00	1,640.00
Virginia	5,300	5,120	3,900	5,020	5,100	3,900	1,170.00	1,340.00	1,340.00
Washington	12,500	12,850	12,530	12,500	12,750	12,400	868.00	1,070.00	1,090.00
West Virginia ...	5,360	5,800	3,500	5,250	5,660	3,500	1,020.00	1,070.00	1,090.00
United States ...	852,939	847,210	795,630	838,027	825,415	778,920	751.00	734.00	807.00

(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 2016 ¹

State	Total production	Utilized production ¹	Utilization	
			Fresh ²	Processed (fresh basis)
			Tons	Tons
Alabama	3,300	3,270	3,270	-
Arkansas ³	(NA)	(NA)	(NA)	(NA)
California	569,000	569,000	141,000	428,000
Freestone	322,000	322,000	-	322,000
Clingstone	247,000	247,000	141,000	106,000
Colorado	13,730	13,260	(D)	(D)
Connecticut ³	(NA)	(NA)	(NA)	(NA)
Georgia	43,300	39,500	(D)	(D)
Idaho	7,770	7,720	(D)	(D)
Illinois	5,940	5,890	(D)	(D)
Maryland	2,250	2,130	(D)	(D)
Massachusetts ³	(NA)	(NA)	(NA)	(NA)
Michigan	10,600	10,500	(D)	(D)
Missouri	3,050	3,020	(D)	(D)
New Jersey	19,980	19,910	(D)	(D)
New York	2,750	2,740	(D)	(D)
North Carolina	3,600	3,600	3,600	-
Ohio	1,570	1,530	1,530	-
Pennsylvania	16,000	15,800	14,950	850
South Carolina	63,300	52,800	(D)	(D)
Texas	4,400	4,200	4,200	-
Utah	5,160	4,250	4,250	-
Virginia	3,900	3,900	3,900	-
Washington	12,530	12,400	(D)	(D)
West Virginia	3,500	3,500	3,500	-
Other States .....	.....	.....	156,840	13,030
United States	795,630	778,920	337,040	441,880

- 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, 2011–2013

Country	2011	2012	2013
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Fruit, processed:			
Canada	76,092	79,711	83,753
Netherlands	34,610	36,597	42,671
Mexico	31,129	29,488	29,103
China	27,077	37,103	14,861
Indonesia	3,543	5,118	5,783
Japan	7,395	6,910	5,550
Korea, South	3,341	4,377	5,284
Australia(*)	4,295	3,924	4,589
Taiwan	5,402	2,941	3,559
Thailand	3,531	3,515	3,493
United Kingdom	2,575	3,290	3,078
Malaysia	1,530	1,966	2,465
Singapore	2,714	3,345	2,379
Philippines	774	2,057	2,344
Poland	2,019	1,253	2,160
Israel(*)	2,337	1,028	2,015
New Zealand(*)	1,485	1,752	1,991
United Arab Emirates	1,337	1,277	1,833
Chile	614	26	1,689
Morocco	25	500	1,392
Germany(*)	2,191	1,202	1,356
Hong Kong	1,124	1,667	1,352
India	704	875	1,351
Russia	144	458	1,020
Panama	1,113	714	860
Guatemala	564	336	827
Belgium-Luxembourg(*)	1,404	896	684
Brazil	112	514	593
Vietnam	1,122	395	528
Rest of World	7,659	8,253	6,998
World Total	227,960	241,486	235,564
Fruit, prepared, misc:			
Canada	47,466	51,888	54,339
Mexico	9,271	8,411	6,893
Vietnam	2,136	3,508	4,930
China	36,199	15,151	4,821
Australia(*)	1,046	1,104	4,509
Saudi Arabia	7,074	7,919	4,065
Japan	3,833	3,710	3,411
Korea, South	9,981	8,003	2,659
Taiwan	1,290	1,166	2,235
United Kingdom	2,691	2,372	1,980
Malaysia	2,184	2,116	1,707
Hong Kong	1,803	1,802	1,683
Panama	3,604	3,157	1,636
Ecuador	126	126	1,084
United Arab Emirates	1,373	1,235	1,053
Costa Rica	896	815	1,039
Philippines	1,588	880	1,009
Thailand	577	1,162	985
Colombia	465	651	885
Bahamas, The	292	808	846
Israel(*)	749	547	719
Singapore	945	1,227	712
Kuwait	330	822	683
Guatemala	751	408	676
Leeward-Windward Islands(*)	263	275	617
Dominican Republic	649	1,099	571
Indonesia	638	517	520
Netherlands Antilles(*)	216	252	465
South Africa	35	141	446
Rest of World	9,333	7,458	6,501
World Total	147,805	128,726	113,677

(*) 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, 2007–2016

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>
2007	85,855	165,436	8,028	548	8,767	185,688
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	79,546	148,454	5,824	289	16,361	172,464
2016	74,287	122,999	7,473	221	17,104	148,968

¹Net processed weight. ²Dried pears are 16⅔ percent of total dried fruit for salad. ³Canned pears are 35 percent of total canned fruit for salad. ⁴Dried 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 2007–2016

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>
2007	872,950	871,850	416.00	363,092
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	646.00	475,425

¹Fresh 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, 2014–2016

State and Variety	Total production			Utilized production			Price per ton ¹		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	189,000	198,000	175,000	189,000	191,000	175,000	469.00	491.00	535.00
Bartlett	154,000	168,000	141,000	154,000	161,000	141,000	416.00	493.00	500.00
Other	35,000	30,000	34,000	35,000	30,000	34,000	701.00	479.00	681.00
Michigan	2,720	2,070	(NA)	2,610	2,040	(NA)	441.00	605.00	(NA)
New York	5,350	6,480	(NA)	5,210	6,350	(NA)	666.00	756.00	(NA)
Oregon	216,000	228,000	214,910	216,000	226,000	214,010	590.00	675.00	694.00
Bartlett	53,000	57,500	53,660	53,000	56,000	52,860	572.00	639.00	635.00
Other	163,000	170,500	161,250	163,000	170,000	161,150	596.00	687.00	713.00
Pennsylvania ..	2,540	1,970	(NA)	2,430	1,740	(NA)	1,100.00	1,210.00	(NA)
Washington	416,000	380,000	348,860	416,000	376,000	346,860	586.00	638.00	673.00
Bartlett	181,000	178,000	147,660	181,000	177,000	146,660	514.00	530.00	582.00
Other	235,000	202,000	201,200	235,000	199,000	200,200	642.00	733.00	739.00
United States ..	831,610	816,520	738,770	831,250	803,130	735,870	562.00	615.00	646.00

(NA) Not available. ¹Fresh 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 2016

State and variety	Total production	Utilized production	Utilization	
			Fresh ¹	Processed
	Tons	Tons	Tons	Tons
California	175,000	175,000	63,000	112,000
Bartlett	141,000	141,000	36,000	105,000
Other	34,000	34,000	27,000	7,000
Michigan	(NA)	(NA)	(NA)	(NA)
New York	(NA)	(NA)	(NA)	(NA)
Oregon	214,910	214,010	177,550	36,460
Bartlett	53,660	52,860	35,750	17,110
Other	161,250	161,150	141,800	19,350
Pennsylvania	(NA)	(NA)	(NA)	(NA)
Washington	348,860	346,860	264,450	82,410
Bartlett	147,660	146,660	79,050	67,610
Other	201,200	200,200	185,400	14,800
United States ²	738,770	735,870	505,000	230,870

(D) Withheld to avoid disclosing data for individual operations. (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, 2007–2016

Crop of—	Total production	Utilized production	Utilization of quantities sold—Fresh ¹
	Tons	Tons	Tons
2007	872,950	871,850	551,960
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

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, 2007–2016

Year	Area harvested	Utilized production	Utilization		Price per pound	Value
			Fresh	Processed		
	Acres	1,000 pounds	1,000 pounds	1,000 pounds	Cents	dollars
2007	1,310	33,400	31,200	2,200	39.2	13,094
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

(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, 2007–2016

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>
2007	152,000	152,000	665.00	101,077
2008	160,000	160,000	356.00	56,960
2009	112,000	112,000	514.00	57,568
2010	142,000	142,000	555.00	78,810
2011	160,000	160,000	402.00	64,320
2012	115,000	115,000	695.00	79,940
2013	95,400	93,400	664.00	62,043
2014	113,000	113,000	913.00	103,167
2015	106,000	105,000	998.00	104,760
2016	135,500	134,500	813.00	109,354

NASS, Crops Branch, (202) 720–2127.

Table 5-63.—Prunes (dried basis): Production, price and value, California, 2007–2016

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>
2007	83,000	81,000	1,450.00	117,450
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	1,600.00	86,400

NASS, Crops Branch, (202) 720–2127.

Table 5-64.—Prunes and plums: Production, value, and utilization, 4-States ¹, 2007–2016

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>	
2007	12,100	10,920	454.00	4,956	6,420	1,300	2,550	650
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 ²	(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, 2014–2016¹

State	Total production			Utilized production			Price per ton		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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>
Idaho	2,600	2,000	(NA)	2,400	2,000	(NA)	415.00	511.00	(NA)
Michigan	1,700	760	(NA)	1,600	750	(NA)	535.00	585.00	(NA)
Oregon	7,800	4,220	(NA)	7,800	4,200	(NA)	442.00	494.00	(NA)
Washington	2,700	2,700	(NA)	2,700	2,700	(NA)	652.00	667.00	(NA)
Total, 4 States	14,800	9,680	(NA)	14,500	9,650	(NA)	487.00	553.00	(NA)

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

Table 5-66.—Prunes: Foreign trade, United States, 2007–2016

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
	<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>
2007	29,104	678	828	31,863	50,551	61,345	1,414	213,483
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	986	19,183	77,222	29,682	38,342	746	131,160
2016	22,642	1,096	15,069	62,749	25,508	33,130	569	112,997

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. ⁴ 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, 2014–2016

Utilization, season, and State	Production			Value per unit		
	2014	2015	2016	2014	2015	2016
	<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>
Fresh market:						
California	22,100	21,600	22,700	100.00	73.90	69.40
Florida	2,071	2,442	2,194	148.00	119.00	205.00
Michigan	(D)	(D)	(NA)	(D)	(D)	(NA)
New York	32	29	30	235.00	254.00	240.00
North Carolina	154	143	144	152.00	164.00	187.00
Ohio	18	23	(NA)	193.00	170.00	(NA)
Oregon	25	20	24	161.00	170.00	108.00
Pennsylvania	33	34	(NA)	160.00	213.00	(NA)
Washington	(D)	(D)	13	(D)	(D)	205.00
Wisconsin	38	34	(NA)	165.00	170.00	(NA)
Other States	72	47	-	180.00	173.00	-
United States	24,543	24,372	25,105	105.00	79.90	82.20
Processing:						
California	5,492	6,097	6,075	41.50	45.80	42.70
Michigan	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	130	135	79	70.00	73.00	83.00
Washington	(D)	(D)	61	(D)	(D)	88.00
Other States	72	51	-	75.20	80.00	-
United States	5,694	6,283	6,215	42.60	46.70	43.70

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

Table 5-68.—Strawberries, commercial crop: Area, yield, production, value per hundred weight, and total value, United States, 2007–2016

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
2007	52,180	469	24,453	71.60	1,751,108
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	52,500	597	31,320	74.60	2,335,910

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
2007	19,733	82.10	1,620,241	4,720	27.70	130,867
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	25,105	82.20	2,064,617	6,215	43.70	271,293

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, 2014–2016 ¹

Season and State	Area harvested			Production			Value per unit		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	Acres	Acres	Acres	1,000 cwt	1,000 cwt	1,000 cwt	Dollars per cwt	Dollars per cwt	Dollars per cwt
California	41,500	40,500	37,900	27,592	27,909	28,775	88.40	67.70	63.80
Florida	10,900	10,900	10,700	2,071	2,442	2,194	148.00	119.00	205.00
Michigan ²	750	650	(NA)	45	28	(NA)	161.00	156.00	(NA)
New York	1,000	800	800	32	29	30	235.00	254.00	240.00
North Carolina	1,100	1,100	1,200	154	143	144	152.00	164.00	187.00
Ohio ²	480	540	(NA)	18	23	(NA)	193.00	170.00	(NA)
Oregon	1,700	1,400	1,100	155	155	103	84.70	86.00	88.80
Pennsylvania ²	735	600	(NA)	33	34	(NA)	160.00	213.00	(NA)
Washington ...	1,100	910	800	99	70	75	112.00	112.00	109.00
Wisconsin ² ...	630	610	(NA)	38	34	(NA)	165.00	170.00	(NA)
United States	59,895	58,010	52,500	30,237	30,867	31,321	93.30	73.00	74.60

(NA) Not available. ¹Includes quantities used for fresh market and processing. ²Estimates discontinued in 2016. NASS, Crops Branch, (202) 720-2127.

Table 5-70.—Fruits, noncitrus: Production, utilization, and value, United States, 2007–2016 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
2007	17,023	7,008	1,453	2,030	1,257	748	3,921	278	11,397,171
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	18,650	8,021	1,223	1,824	1,544	890	4,676	472	16,608,948

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, 2016

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Citrus:	1,000 cwt												
Grapefruit	1,078	1,114	663	229	41	7	8	5	13	407	886	836	5,287
Lemons	59	71	65	60	51	56	36	33	29	27	38	18	543
Oranges	649	619	717	801	478	294	58	55	95	238	638	727	5,369
Tangelos	62	12	.....	.....	.....	.....	.....	.....	.....	.....	13	50	137
Tangerines	85	126	90	67	15	.....	.....	.....	12	69	108	122	694
Templets	15	31	8	1	1	.....	.....	.....	.....	.....	.....	.....	56
Total	1,948	1,973	1,543	1,158	586	357	102	93	149	741	1,683	1,753	12,086
Noncitrus:													
Apples	6,045	4,940	5,244	5,851	4,194	3,225	3,189	3,574	4,322	6,783	5,490	6,363	59,220
Apples-organic	510	364	370	363	102	29	457	179	367	525	392	513	4,171
Apricots .....	.....	.....	.....	11	29	187	480	.....	.....	.....	.....	.....	707
Apricots-organic .....	.....	.....	.....	.....	.....	16	93	.....	.....	.....	.....	.....	109
Avocados	87	147	354	641	698	789	947	429	225	71	50	36	4,474
Avocados-organic	11	4	3	2	1	1	1	1	1	3	2	1	31
Blueberries .....	.....	.....	5	120	623	823	500	274	66	9	.....	.....	2,420
Blueberries-organic .....	.....	.....	.....	17	54	69	67	37	8	4	.....	.....	256
Cherries .....	.....	.....	.....	89	845	2,380	1,714	85	.....	.....	.....	.....	5,113
Cherries-organic .....	.....	.....	.....	.....	17	114	67	3	.....	.....	.....	.....	201
Cranberries .....	.....	.....	.....	.....	.....	.....	.....	.....	9	56	122	22	209
Grapes	19	.....	.....	1	347	437	2,330	3,437	3,449	3,276	2,096	775	16,167
Grapes-organic .....	.....	.....	.....	.....	56	66	8	.....	.....	.....	.....	.....	130
Kiwifruit	26	14	4	.....	.....	.....	.....	.....	.....	8	20	20	92
Nectarines .....	.....	.....	.....	3	252	560	667	541	179	.....	.....	.....	2,202
Peaches .....	.....	.....	.....	.....	526	1,128	1,262	1,132	752	244	.....	.....	5,044
Peaches-organic .....	.....	.....	.....	.....	.....	.....	17	50	10	.....	.....	.....	77
Pears	2,005	861	730	757	389	240	398	574	837	1,248	1,010	1,175	10,224
Pears-organic	77	39	4	1	1	.....	12	59	89	104	72	71	529
Persimmons	3	.....	.....	.....	.....	.....	.....	.....	.....	5	36	17	61
Plums .....	.....	.....	.....	.....	37	262	425	319	117	50	20	3	1,233
Pomegranates .....	.....	.....	.....	.....	.....	.....	.....	.....	28	45	5	.....	78
Prunes .....	.....	.....	.....	.....	.....	.....	11	23	5	.....	.....	.....	39
Raspberries	35	21	21	28	187	225	170	171	133	120	57	42	1,210
Raspberries-organic	7	8	8	6	39	44	31	25	24	21	13	10	236
Strawberries	288	941	1,969	1,753	2,450	2,212	1,784	1,711	1,640	995	452	633	16,828
Strawberries-organic	8	23	61	78	168	179	162	170	170	82	28	22	1,151
Total	9,121	7,362	8,773	9,721	11,015	12,986	14,792	12,794	12,431	13,649	9,865	9,703	132,212

AMS, Fruit and Vegetable Programs, Market News Division, (202) 720-9936.

Table 5-72.—Fruits, dried: Production (dry basis), California, 2007–2016

Year	Apricots	Figs ¹	Peaches ²	Prunes	Grapes ³
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
2007	1,970	14,500	1,365	81,000	360,000
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	383,500
2016	1,280	8,900	(NA)	54,000	328,200

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, 2007–2016¹

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>
2007	17.9	79.6	14.1	7.6	5.5	2.2
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	85.2	11.5	6.4	5.0	2.4
2013	23.9	87.7	12.9	6.2	5.3	2.5
2014	23.3	90.6	11.7	5.9	6.5	2.5
2015	22.7	89.8	12.3	5.8	6.5	2.5
2016	24.0	92.0	11.6	5.6	5.3	2.5

¹Fresh 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. ²Oranges and tangelos, lemons, limes, and grapefruit. ³Apples, apricots, avocados, bananas, cherries, cranberries, grapes, kiwifruit, mangoes, peaches and nectarines, pears, pineapples, papayas, plums and prunes, and strawberries. ⁴Apples, apricots, cherries, olives, peaches, pears, pineapples, and plums and prunes. ⁵Orange, grapefruit, lemon, lime, apple, grape, pineapple, prune, and cranberry. ⁶Blackberries, blueberries, raspberries, strawberries, other berries, apples, apricots, cherries, and peaches. ⁷Apples, 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, 2007/2008–2016/2017

Market year ¹	Beginning stocks	Marketable production ²	Imports	Total supply	Exports	Ending stocks	Domestic consumption	
							Total	Per capita Pounds
—Million pounds (shelled)—								
2007/2008	243.5	2,062.5	496.6	2,802.6	1,311.8	405.7	1,085.1	3.58
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	657.7	3,901.6	2,031.7	585.2	1,284.7	4.01
2015/2016	585.2	2,665.8	678.5	3,929.5	2,042.9	575.5	1,311.1	4.07
2016/2017	575.5	3,323.5	693.5	4,592.5	2,395.2	647.4	1,549.9	4.78

¹Marketing season begins July 1 for hazelnuts and macadamias; August 1 for almonds and walnuts; September 1 for pistachios; and October 1 for pecans. ²Utilized 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, 2007–2016 ¹

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>
2007	640,000	2,170	1,390,000	1.75	2,401,875
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	2.44	5,158,160

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, 2007–2016 ¹

Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>
2007	1,722	397,105
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	546,096
2015	9,501	562,795
2016	7,638	640,915

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, 2007–2016

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>
2007	15,000	2,730	41,000	60.0	24,600
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

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

Table 5-80.—Hazelnuts (in-shell basis): Bearing acreage, yield, production, price, and value, Oregon, 2007–2016

Year	Bearing Acreage	Yield per acre	Utilized production	Price per ton	Value
	Acres	Tons	Tons	Dollars	1,000 dollars
2007	28,600	1.29	37,000	2,040	75,480
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

NASS, Crops Branch, (202) 720–2127.

Table 5-81.—Hazelnuts (shelled basis): Foreign trade, United States, 2007–2016¹

Year beginning October	Imports	Domestic exports
	Metric tons	Metric tons
2007	4,979	10,034
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	3,358	11,628

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, 2007–2016

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
2007	303,462	1.230	373,131	83,843	0.722	60,513	387,305	1.120	433,644
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

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, 2014–2016

Item and State	Utilized production			Price per pound		
	2014	2015	2016	2014	2015	2016
	<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	1,500	1,600	1,900	2.060	2.170	2.130
Arizona	21,000	22,500	24,800	2.000	2.400	2.710
Arkansas ²	2,200	1,200	(NA)	1.910	1.980	(NA)
California	5,000	3,960	5,770	2.140	2.180	2.540
Florida ²	100	190	(NA)	1.750	2.170	(NA)
Georgia	74,000	90,000	109,000	2.340	2.180	2.500
Louisiana	2,500	1,000	1,500	1.520	1.710	1.950
Mississippi ²	700	1,000	(NA)	1.570	1.540	(NA)
Missouri ²	210	310	(NA)	1.930	2.010	(NA)
New Mexico	67,000	73,000	72,000	2.100	2.500	2.960
Oklahoma	4,000	3,000	3,000	1.630	2.090	2.670
South Carolina ²	200	420	(NA)	2.160	1.650	(NA)
Texas	49,000	27,000	32,000	1.960	2.300	2.540
United States	227,410	225,180	249,970	2.120	2.310	2.66
Native and Seedling						
Alabama	200	300	300	1.140	1.230	1.400
Arkansas ²	1,300	1,000	(NA)	0.860	1.100	(NA)
Florida ²	(D)	(D)	(NA)	(D)	(D)	(NA)
Georgia	2,000	3,000	(NA)	1.380	1.360	(NA)
Kansas ²	(D)	(D)	(NA)	(D)	(D)	(NA)
Louisiana	11,500	4,000	2,500	0.790	1.000	1.300
Mississippi ²	300	300	(NA)	0.900	1.240	(NA)
Missouri ²	460	1,200	(NA)	1.040	1.500	(NA)
Oklahoma	8,000	10,000	9,000	0.923	1.450	1.850
South Carolina ²	50	30	(NA)	1.270	1.260	(NA)
Texas	12,000	8,000	7,000	0.950	1.470	1.820
Other States	930	1,280	-	1.210	1.300	-
United States	36,740	29,110	18,800	0.933	1.360	1.760
All Pecans						
Alabama	1,700	1,900	2,200	1.950	2.020	2.030
Arizona	21,000	22,500	24,800	2.000	2.400	2.710
Arkansas ²	3,500	2,200	(NA)	1.520	1.580	(NA)
California	5,000	3,960	5,770	2.140	2.180	2.540
Florida ²	(D)	(D)	(NA)	(D)	(D)	(NA)
Georgia	76,000	93,000	109,000	2.310	2.150	2.500
Kansas	(D)	(D)	(NA)	(D)	(D)	(NA)
Louisiana	14,000	5,000	4,000	0.920	1.140	1.540
Mississippi	1,000	1,300	(NA)	1.370	1.470	(NA)
Missouri	670	1,510	(NA)	1.320	1.600	(NA)
New Mexico	67,000	73,000	72,000	2.100	2.500	2.960
Oklahoma	12,000	13,000	12,000	1.160	1.600	2.060
South Carolina	250	450	(NA)	1.980	1.620	(NA)
Texas	61,000	35,000	39,000	1.770	2.110	2.410
Other States	1,030	1,470	-	1.260	1.410	-
United States	264,150	254,290	268,770	1.960	2.200	2.590

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

Table 5-84.—Pecans (shelled basis): Foreign trade, United States, 2007–2016 ¹

Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>
2007	33,689	29,409
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	52,838	47,496

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, 2007–2016

Year	Bearing Acreage	Yield per acre	Utilized production	Price per pound	Value
	Acres	Pounds	1,000 pounds	Dollars	1,000 dollars
2007	115,000	3,620	416,000	1.41	586,560
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

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

Table 5-86.—Walnuts, English (in-shell basis): Bearing acreage, yield, production, price, and value, California, 2007–2016

Year	Bearing Acreage	Yield per acre ¹	Utilized production	Price per ton	Value
	Acres	Tons	Tons	Dollars	1,000 dollars
2007	218,000	1.50	328,000	2,290	751,120
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	2.18	686,000	1,810	1,241,660

¹Yield is based on utilized production.
NASS, Crops Branch, (202) 720-2127.

Table 5-87.—Walnuts (shelled basis): Foreign trade, United States, 2007–2016 ¹

Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>
2007	4,059	64,467
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	188,485
2016	6,495	191,458

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, 2007/2008–2016/2017¹

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>
2007/2008	6,400	1,170	7,500	4.25	31.875
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

¹ For 2007/2008 season thru 2014/2015 season, all data in a parchment basis. Beginning with the 2015/2016 season, all data in 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	1,983	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: 2014/2015-2016/2017

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>
2014/2015					
Shiitake	215	9,490	9,251	3.26	30,151
Oyster	124	7,996	7,724	3.19	24,610
Other	48	4,062	3,657	4.98	18,225
United States	265	21,548	20,632	3.54	72,986
2015/2016					
Shiitake	200	10,296	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	182	10,679	10,469	3.89	40,743
Oyster	119	11,288	10,987	3.10	34,091
Other	55	4,159	4,008	5.33	21,349
United States	226	26,126	25,464	3.78	96,183

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: 2007-2016 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>
2007/2008	136,011	797,348	1.150	917,607	841,753	75,854
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	137,028	903,141	1.250	1,125,838	1,067,304	58,534

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 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).
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Table 5-103.—Fruit and orange juice: Cold storage holdings, end of month, United States, 2015–2016

Month	Apples		Apricots		Blackberries, IQF		Blackberries, pails & tubs	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	55,349	38,707	5,246	4,319	19,656	18,946	1,480	1,341
February	53,314	37,994	4,720	3,804	17,621	17,513	1,356	1,345
March	52,079	37,761	4,162	3,434	16,119	17,081	1,140	1,153
April	50,761	39,147	4,051	2,968	14,589	14,708	1,079	1,158
May	49,547	38,682	3,390	3,301	14,278	13,849	1,166	1,421
June	46,985	39,040	11,760	11,086	19,095	27,700	1,319	1,911
July	42,987	36,171	11,058	16,226	27,678	31,684	1,600	1,823
August	36,586	32,361	10,059	13,454	28,470	31,524	1,422	1,618
September ...	31,854	29,104	7,931	11,690	26,472	28,873	1,587	1,383
October	35,761	28,198	6,128	9,998	24,420	26,766	1,376	1,215
November	38,917	32,407	5,640	8,958	22,634	22,165	1,618	1,739
December	37,596	34,929	4,921	8,456	21,238	20,906	1,350	1,725

Month	Blackberries, barrels		Blackberries, concentrate		Blackberries, total		Blueberries	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	6,879	3,372	828	798	28,843	24,457	187,523	211,459
February	5,688	4,257	834	637	25,499	23,752	166,469	191,351
March	5,058	4,369	754	405	23,071	23,008	152,745	164,927
April	4,450	4,017	774	413	20,892	20,296	133,836	154,142
May	3,734	3,484	753	377	19,931	19,131	119,276	145,414
June	3,925	6,427	819	335	25,158	36,373	132,732	157,928
July	3,783	9,895	940	483	34,001	43,885	236,349	260,675
August	4,265	9,422	1,083	766	35,240	43,330	273,614	315,436
September ...	4,174	7,939	845	516	33,078	38,711	280,085	332,379
October	3,879	7,344	878	785	30,553	36,110	259,198	308,554
November	3,251	8,510	863	720	28,366	33,134	245,754	294,135
December	3,179	8,425	827	697	26,594	31,753	224,696	268,895

Month	Boysenberries		Cherries, Tart (RTP)		Cherries, Sweet		Grapes	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	1,389	842	129,319	113,844	21,326	17,920	3,177	2,626
February	1,232	714	120,870	102,584	20,155	16,287	3,005	2,286
March	1,003	617	105,707	91,204	19,275	16,745	2,682	1,825
April	848	555	98,519	81,431	17,411	15,021	2,435	1,309
May	618	728	85,866	72,293	17,140	14,314	2,347	1,118
June	1,154	1,672	79,028	63,925	18,134	14,104	2,654	1,199
July	1,478	2,032	146,251	173,739	23,994	22,800	4,496	933
August	1,221	1,551	158,170	196,001	25,401	26,433	3,734	903
September ...	1,219	1,945	159,154	184,839	22,830	25,383	3,794	881
October	1,118	1,926	141,734	174,878	19,672	24,069	3,078	923
November	955	1,733	132,880	156,973	19,929	21,616	2,806	1,440
December	954	1,713	123,378	142,913	18,076	20,350	2,469	1,129

Month	Peaches		Raspberries, Black		Red Raspberries, IQF		Red Raspberries, pails & tubs	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	44,353	68,463	1,089	1,303	27,494	29,029	5,473	6,708
February	38,646	62,266	969	1,227	24,878	27,029	4,387	6,485
March	35,803	54,489	944	1,131	22,869	23,779	4,250	6,411
April	30,722	52,746	924	1,122	20,117	23,077	4,135	6,403
May	27,566	49,601	867	1,065	18,658	21,914	3,055	6,370
June	26,877	48,346	2,152	3,149	21,764	32,675	4,101	9,373
July	41,488	62,290	2,555	2,381	38,655	47,350	9,152	11,390
August	63,360	83,003	1,828	1,625	37,665	44,551	8,093	10,934
September ...	78,572	93,794	1,655	1,633	38,125	41,603	8,438	9,833
October	75,817	91,530	1,625	1,455	35,218	39,838	8,131	8,866
November	75,253	88,731	1,444	1,340	33,319	36,760	7,829	8,012
December	74,308	81,881	1,356	1,281	31,991	33,274	7,033	7,040

See footnotes(s) at end of table.

Table 5-103.—Fruit and orange juice: Cold storage holdings, end of month, United States, 2015 and 2016—Continued

Month	Red Raspberries, barrels		Red Raspberries, concentrate		Red Raspberries, total		Strawberries, IQF & Poly	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	17,660	12,696	1,506	1,692	52,133	50,125	76,820	86,379
February	15,637	11,255	2,358	1,708	47,260	46,477	75,324	82,349
March	13,399	9,813	2,258	1,899	42,776	41,902	94,274	103,099
April	10,983	8,893	2,008	2,208	37,243	40,581	96,640	119,125
May	8,769	7,816	1,929	2,134	32,411	38,234	114,524	130,675
June	12,157	20,937	2,163	2,398	40,185	65,383	139,019	166,144
July	26,538	38,844	2,292	3,973	76,637	101,557	150,237	169,441
August	22,956	34,211	1,871	3,740	70,585	93,436	133,910	162,930
September	21,067	30,940	2,168	3,714	69,798	86,090	131,485	160,086
October	18,025	28,914	1,969	3,424	63,343	81,042	113,082	150,590
November	18,055	28,984	1,923	2,287	61,126	76,043	102,516	131,881
December	16,692	25,420	1,646	2,654	57,362	68,388	98,091	120,244

Month	Strawberries, pails & tubs		Strawberries, barrels & drums		Strawberries, juice stock		Strawberries, total	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	46,103	69,810	43,074	43,488	9,523	8,597	175,520	208,274
February	42,821	62,173	36,162	35,454	9,292	10,156	163,599	190,132
March	47,393	57,614	32,754	32,167	12,396	10,904	186,817	203,784
April	52,887	57,702	36,668	35,856	13,095	12,842	199,290	225,525
May	69,162	70,711	45,176	51,565	9,244	11,489	238,106	264,440
June	108,514	113,274	82,896	96,889	10,866	14,374	341,295	390,681
July	109,039	111,233	88,485	98,242	12,284	17,800	360,045	396,716
August	103,909	107,060	78,631	85,352	12,325	21,814	328,775	377,156
September	96,661	108,040	74,491	82,540	11,713	25,369	314,350	376,035
October	88,873	107,916	67,380	81,176	9,525	28,257	278,860	367,939
November	83,864	99,560	59,068	73,838	7,698	26,110	253,146	331,389
December	79,219	93,606	50,958	67,580	7,584	23,397	235,852	304,827

Month	Other fruit		Total frozen fruit		Orange juice	
	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	482,436	603,399	1,191,799	1,349,433	720,747	623,032
February	434,463	557,741	1,084,164	1,240,380	728,424	633,403
March	385,477	521,065	1,016,361	1,165,357	832,345	701,951
April	348,811	525,633	949,216	1,163,726	857,503	751,391
May	321,532	489,438	921,622	1,140,964	947,948	772,459
June	297,358	473,450	1,028,135	1,309,154	943,762	766,485
July	309,251	483,812	1,294,279	1,611,211	868,061	710,973
August	309,356	464,629	1,322,557	1,658,529	807,795	653,114
September	377,612	514,081	1,385,630	1,707,938	757,074	603,140
October	659,912	853,189	1,580,904	1,993,879	695,919	579,922
November	665,020	872,413	1,535,394	1,933,950	641,710	519,550
December	587,967	808,397	1,398,611	1,788,910	639,347	516,588

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Table 5-104.—Nuts: Cold storage holdings, end of month, United States, 2015-2016

Month	Pecans			
	Shelled		In-shell	
	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	51,196	40,996	144,021	167,749
February	53,138	46,887	144,305	188,629
March	57,710	48,876	135,169	180,042
April	57,271	52,520	114,568	151,657
May	56,222	51,347	94,352	124,904
June	56,717	52,160	72,702	97,526
July	53,575	51,153	53,903	75,348
August	52,620	46,837	38,540	53,628
September	44,112	39,126	21,053	40,164
October	36,107	37,541	20,016	25,276
November	32,057	34,388	42,466	74,562
December	34,771	36,899	111,848	130,490

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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, 2014–2016

State	Area harvested			Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Alabama	750	730	810	2.80	2.80	2.10	2,100	2,044	1,701
Arizona	300	335	315	8.03	7.99	8.18	2,410	2,678	2,576
Arkansas	1,225	1,125	1,204	2.01	2.00	2.00	2,458	2,254	2,414
California	1,345	1,190	1,200	5.59	5.79	5.48	7,513	6,891	6,576
Colorado	1,340	1,450	1,380	2.66	2.96	2.59	3,566	4,295	3,570
Connecticut	53	53	45	1.92	1.89	1.93	102	100	87
Delaware	13	14	17	2.62	3.14	3.06	34	44	52
Florida	320	290	300	2.60	2.80	2.70	832	812	810
Georgia	580	570	600	2.60	2.50	2.30	1,508	1,425	1,380
I Idaho	1,390	1,330	1,330	3.51	3.65	3.85	4,881	4,860	5,126
Illinois	520	490	480	3.38	3.13	3.12	1,755	1,533	1,497
Indiana	600	560	500	3.25	2.96	3.56	1,950	1,656	1,781
Iowa	1,155	1,160	910	3.18	3.40	3.53	3,675	3,939	3,210
Kansas	2,300	2,450	2,600	2.17	2.40	2.40	5,000	5,890	6,240
Kentucky	2,265	2,370	2,250	2.10	2.40	2.48	4,761	5,689	5,580
Louisiana	470	430	380	2.70	2.50	2.90	1,269	1,075	1,102
Maine	150	135	140	1.55	2.02	1.88	233	273	263
Maryland	195	215	215	2.65	2.47	2.68	517	532	576
Massachusetts	75	92	92	1.72	1.73	1.57	129	159	144
Michigan	980	970	870	2.62	2.68	2.71	2,570	2,604	2,357
Minnesota	1,910	1,570	1,520	2.35	2.53	2.92	4,486	3,979	4,440
Mississippi	600	680	640	2.60	2.30	2.20	1,560	1,564	1,408
Missouri	3,480	2,960	2,830	2.04	2.16	2.14	7,100	6,398	6,066
Montana	2,730	2,500	2,650	1.97	1.87	1.94	5,381	4,680	5,130
Nebraska	2,580	2,700	2,450	2.34	2.36	2.35	6,028	6,360	5,748
Nevada	430	320	330	3.29	3.44	3.34	1,416	1,100	1,102
New Hampshire	54	48	53	1.74	2.04	1.96	94	98	104
New Jersey	106	102	114	2.46	1.76	1.88	261	180	214
New Mexico	305	280	275	3.93	3.90	3.71	1,198	1,091	1,019
New York	1,370	1,230	1,360	1.97	1.99	1.68	2,698	2,449	2,285
North Carolina	830	777	687	2.40	2.40	2.31	1,996	1,868	1,587
North Dakota	2,700	2,750	2,500	2.02	1.81	1.72	5,460	4,975	4,305
Ohio	960	1,080	970	2.82	2.34	2.54	2,710	2,532	2,466
Oklahoma	3,590	3,020	3,010	1.71	1.96	1.94	6,121	5,914	5,838
Oregon	1,030	1,060	1,130	3.08	2.90	3.44	3,172	3,072	3,891
Pennsylvania	1,400	1,290	1,350	2.28	2.33	2.33	3,185	3,010	3,150
Rhode Island	7	6	7	1.71	2.33	1.29	12	14	9
South Carolina	270	300	320	2.30	2.00	2.10	621	600	672
South Dakota	3,250	3,400	3,100	2.05	1.94	1.77	6,665	6,580	5,500
Tennessee	1,766	1,765	1,815	2.20	2.21	2.16	3,893	3,901	3,924
Texas	5,440	4,730	4,830	2.16	2.05	2.58	11,746	9,720	12,439
Utah	680	670	700	3.52	3.67	3.71	2,396	2,459	2,600
Vermont	185	145	190	1.68	1.94	1.91	311	281	363
Virginia	1,175	1,175	1,215	2.28	2.25	2.34	2,675	2,645	2,847
Washington	870	750	840	3.72	3.81	3.98	3,234	2,856	3,343
West Virginia	618	590	587	1.83	1.75	1.84	1,132	1,035	1,079
Wisconsin	1,640	1,510	1,330	2.97	2.70	2.95	4,866	4,073	3,926
Wyoming	1,060	1,080	1,020	2.12	2.14	2.24	2,243	2,315	2,284
United States	57,062	54,447	53,461	2.45	2.47	2.52	139,923	134,502	134,781

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Table 6-2.—Hay, all: Area, yield, production, and value, United States, 2007–2016

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>
2007	61,006	2.41	146,901	127.00	16,842,233
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	53,461	2.52	134,781	132.00	15,625,517

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Table 6-3.—Alfalfa and alfalfa mixtures for hay: Area, yield, and production, by State and United States, 2014–2016

State	Area harvested			Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	260	300	280	8.50	8.40	8.60	2,210	2,520	2,408
Arkansas	5	5	4	3.60	2.70	3.60	18	14	14
California	825	790	720	6.90	6.90	7.00	5,693	5,451	5,040
Colorado	740	700	680	3.40	4.10	3.50	2,516	2,870	2,380
Connecticut	8	7	5	2.00	1.80	2.10	16	13	11
Delaware	4	4	5	2.70	2.70	2.80	11	11	14
Idaho	1,090	1,000	1,000	3.90	4.20	4.40	4,251	4,200	4,400
Illinois	270	230	230	4.00	3.50	3.90	1,080	805	897
Indiana	240	230	210	4.00	3.90	4.20	960	897	882
Iowa	810	770	550	3.60	3.90	4.20	2,916	3,003	2,310
Kansas	600	650	700	3.80	3.80	4.30	2,280	2,470	3,010
Kentucky	165	170	150	3.40	3.70	3.60	561	629	540
Maine	10	10	10	2.30	2.30	2.20	23	23	22
Maryland	35	35	35	3.80	4.40	4.10	133	154	144
Massachusetts	10	9	7	1.80	2.00	2.30	18	18	16
Michigan	640	660	640	2.90	3.10	3.00	1,856	2,046	1,920
Minnesota	1,100	1,050	1,000	2.90	2.70	3.40	3,190	2,835	3,400
Missouri	280	260	230	2.50	2.80	3.20	700	728	736
Montana	1,850	1,700	1,800	2.10	2.00	2.00	3,885	3,400	3,600
Nebraska	830	850	750	4.10	4.00	4.15	3,403	3,400	3,113
Nevada	280	200	190	4.20	4.30	4.40	1,176	860	836
New Hampshire	4	3	3	2.30	2.50	1.40	9	8	4
New Jersey	14	12	11	3.50	3.00	3.50	49	36	39
New Mexico	210	190	190	4.80	4.70	4.60	1,008	893	874
New York	290	280	350	2.60	2.30	2.20	754	644	770
North Carolina	10	7	7	2.80	2.80	3.30	28	20	23
North Dakota	1,650	1,500	1,400	2.10	1.90	1.70	3,465	2,850	2,380
Ohio	310	330	330	3.50	2.90	3.40	1,085	957	1,122
Oklahoma	290	220	210	2.90	2.70	3.80	841	594	798
Oregon	350	370	420	4.40	4.20	4.70	1,540	1,554	1,974
Pennsylvania	350	430	350	2.80	2.60	3.00	980	1,118	1,050
Rhode Island	1	1	1	2.50	2.00	1.10	3	2	1
South Dakota	1,900	1,900	1,700	2.30	2.20	2.00	4,370	4,180	3,400
Tennessee	16	15	15	2.70	3.40	3.60	43	51	54
Texas	140	130	130	4.40	4.00	5.30	616	520	689
Utah	520	510	530	3.90	4.10	4.20	2,028	2,091	2,226
Vermont	35	35	30	1.60	3.00	2.50	56	105	75
Virginia	75	75	65	3.40	3.00	3.10	255	225	202
Washington	420	390	430	4.70	5.20	5.20	1,974	2,028	2,236
West Virginia	18	20	17	2.90	3.30	3.10	52	66	53
Wisconsin	1,250	1,200	1,000	3.30	2.80	3.20	4,125	3,360	3,200
Wyoming	490	530	500	2.60	2.50	2.80	1,274	1,325	1,400
United States	18,395	17,778	16,885	3.34	3.32	3.45	61,451	58,974	58,263

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

Table 6-4.—Hay, all other: Area, yield, and production, by State and United States, 2014–2016

State	Area harvested			Yield per harvested acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
Alabama ¹	750	730	810	2.80	2.80	2.10	2,100	2,044	1,701
Arizona	40	35	35	5.00	4.50	4.80	200	158	168
Arkansas	1,220	1,120	1,200	2.00	2.00	2.00	2,440	2,240	2,400
California	520	400	480	3.50	3.60	3.20	1,820	1,440	1,536
Colorado	600	750	700	1.75	1.90	1.70	1,050	1,425	1,190
Connecticut	45	46	40	1.90	1.90	1.90	86	87	76
Delaware	9	10	12	2.50	3.30	3.20	23	33	38
Florida ¹	320	290	300	2.60	2.80	2.70	832	812	810
Georgia ¹	580	570	600	2.60	2.50	2.30	1,508	1,425	1,380
Idaho	300	330	330	2.10	2.00	2.20	630	660	726
Illinois	250	260	250	2.70	2.80	2.40	675	728	600
Indiana	360	330	290	2.75	2.30	3.10	990	759	899
Iowa	345	390	360	2.20	2.40	2.50	759	936	900
Kansas	1,700	1,800	1,900	1.60	1.90	1.70	2,720	3,420	3,230
Kentucky	2,100	2,200	2,100	2.00	2.30	2.40	4,200	5,060	5,040
Louisiana ¹	470	430	380	2.70	2.50	2.90	1,269	1,075	1,102
Maine	140	125	130	1.50	2.00	1.85	210	250	241
Maryland	160	180	180	2.40	2.10	2.40	384	378	432
Massachusetts	65	83	85	1.70	1.70	1.50	111	141	128
Michigan	340	310	230	2.10	1.80	1.90	714	558	437
Minnesota	810	520	520	1.60	2.20	2.00	1,296	1,144	1,040
Mississippi ¹	600	680	640	2.60	2.30	2.20	1,560	1,564	1,408
Missouri	3,200	2,700	2,600	2.00	2.10	2.05	6,400	5,670	5,330
Montana	880	800	850	1.70	1.60	1.80	1,496	1,280	1,530
Nebraska	1,750	1,850	1,700	1.50	1.60	1.55	2,625	2,960	2,635
Nevada	150	120	140	1.60	2.00	1.90	240	240	266
New Hampshire	50	45	50	1.70	2.00	2.00	85	90	100
New Jersey	92	90	103	2.30	1.60	1.70	212	144	175
New Mexico	95	90	85	2.00	2.20	1.70	190	198	145
New York	1,080	950	1,010	1.80	1.90	1.50	1,944	1,805	1,515
North Carolina	820	770	680	2.40	2.40	2.30	1,968	1,848	1,564
North Dakota	1,050	1,250	1,100	1.90	1.70	1.75	1,995	2,125	1,925
Ohio	650	750	640	2.50	2.10	2.10	1,625	1,575	1,344
Oklahoma	3,300	2,800	2,800	1.60	1.90	1.80	5,280	5,320	5,040
Oregon	680	690	710	2.40	2.20	2.70	1,632	1,518	1,917
Pennsylvania	1,050	860	1,000	2.10	2.20	2.10	2,205	1,892	2,100
Rhode Island	6	5	6	1.50	2.30	1.30	9	12	8
South Carolina ¹	270	300	320	2.30	2.00	2.10	621	600	672
South Dakota	1,350	1,500	1,400	1.70	1.60	1.50	2,295	2,400	2,100
Tennessee	1,750	1,750	1,800	2.20	2.20	2.15	3,850	3,850	3,870
Texas	5,300	4,600	4,700	2.10	2.00	2.50	11,130	9,200	11,750
Utah	160	160	170	2.30	2.30	2.20	368	368	374
Vermont	150	110	160	1.70	1.60	1.80	255	176	288
Virginia	1,100	1,100	1,150	2.20	2.20	2.30	2,420	2,420	2,645
Washington	450	360	410	2.80	2.30	2.70	1,260	828	1,107
West Virginia	600	570	570	1.80	1.70	1.80	1,080	969	1,026
Wisconsin	390	310	330	1.90	2.30	2.20	741	713	726
Wyoming	570	550	520	1.70	1.80	1.70	969	990	884
United States	38,667	36,669	36,576	2.03	2.06	2.09	78,472	75,528	76,518

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, 2007–2016

Crop year	Dec. 1	May 1 ¹
2007		104,089
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

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, 2014–2016

State	Marketing year average price per ton, baled			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	106.00	110.00	133.00	222,600	224,840	226,233
Arizona	218.00	163.00	150.00	524,580	436,996	388,080
Arkansas	116.00	114.00	102.00	284,200	258,020	247,320
California	232.00	172.00	148.00	1,710,872	1,188,231	966,192
Colorado	206.00	179.00	150.00	731,862	760,255	545,020
Connecticut	208.00	166.00	181.00	21,248	16,625	15,738
Delaware	177.00	176.00	162.00	6,028	7,755	8,406
Florida	152.00	150.00	160.00	126,464	121,800	129,600
Georgia	90.00	90.00	100.00	135,720	128,250	138,000
Idaho	198.00	169.00	131.00	961,080	814,980	677,996
Illinois	156.00	140.00	139.00	265,140	206,850	200,520
Indiana	141.00	130.00	148.00	283,800	214,452	263,994
Iowa	133.00	108.00	91.50	489,333	426,582	294,915
Kansas	152.00	106.00	89.50	653,720	563,540	535,835
Kentucky	120.00	136.00	137.00	508,395	687,404	674,280
Louisiana	100.00	121.00	97.00	126,900	130,075	106,894
Maine	113.00	153.00	128.00	26,233	41,721	33,536
Maryland	175.00	175.00	160.00	90,698	92,848	92,304
Massachusetts	171.00	154.00	197.00	22,005	24,414	28,320
Michigan	151.00	144.00	126.00	404,056	385,392	312,421
Minnesota	122.00	89.50	69.00	550,480	360,148	331,700
Mississippi	71.00	74.00	77.00	110,760	115,736	108,416
Missouri	91.50	94.50	92.00	612,500	562,380	536,165
Montana	126.00	124.00	131.00	668,427	574,760	670,050
Nebraska	96.50	86.00	78.00	569,453	536,440	439,000
Nevada	240.00	165.00	151.00	336,216	187,700	162,716
New Hampshire	153.00	164.00	196.00	14,374	16,120	20,396
New Jersey	191.00	155.00	146.00	49,807	27,864	31,235
New Mexico	248.00	199.00	161.00	295,272	216,830	163,491
New York	162.00	174.00	185.00	467,318	439,904	432,810
North Carolina	114.00	126.00	116.00	228,208	235,360	184,805
North Dakota	81.50	78.00	78.50	410,235	359,075	312,410
Ohio	139.00	143.00	136.00	375,125	362,256	352,488
Oklahoma	98.50	86.00	109.00	621,205	515,320	490,938
Oregon	219.00	192.00	170.00	685,680	584,040	661,299
Pennsylvania	208.00	219.00	180.00	669,585	662,114	569,100
Rhode Island	163.00	135.00	185.00	1,950	1,892	1,661
South Carolina	104.00	108.00	133.00	64,584	64,800	89,376
South Dakota	111.00	101.00	87.50	722,430	647,700	469,800
Tennessee	99.50	113.00	112.00	386,545	442,675	437,850
Texas	100.00	98.50	117.00	973,308	809,440	1,291,767
Utah	188.00	162.00	129.00	437,936	386,950	326,050
Vermont	130.00	159.00	132.00	40,463	44,720	47,985
Virginia	138.00	151.00	141.00	370,315	398,150	398,485
Washington	217.00	174.00	146.00	702,702	499,140	487,924
West Virginia	117.00	130.00	120.00	132,948	134,325	128,325
Wisconsin	143.00	92.50	82.00	697,716	375,625	329,167
Wyoming	141.00	114.00	119.00	308,762	256,340	264,504
United States	172.00	145.00	132.00	19,099,238	16,548,834	15,625,517

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

Table 6-7.—Hay: Area and production, by type, United States, 2007–2016

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>
2007	21,126	39,880	61,006	69,880	77,021	146,901
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	36,576	53,461	58,263	76,518	134,781

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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, 2014–2016 ¹

State	Area harvested			Yield		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	1,530	1,385	1,420	5.89	5.92	5.52
Idaho	1,460	1,400	1,385	3.78	3.88	4.26
Illinois	540	510	500	3.54	3.29	3.28
Iowa	1,220	1,240	1,010	3.39	3.52	3.71
Kansas	2,420	2,540	2,700	2.24	2.48	2.47
Michigan	1,210	1,210	1,080	3.07	3.17	3.26
Minnesota	2,210	1,890	1,835	2.56	2.81	3.19
Missouri	3,540	3,040	2,920	2.07	2.19	2.17
Nebraska	2,610	2,720	2,475	2.37	2.38	2.38
New Mexico	330	305	(NA)	4.00	4.00	(NA)
New York	1,830	1,720	1,850	2.58	2.53	2.25
Ohio	1,030	1,180	1,050	2.96	2.56	2.64
Pennsylvania	1,720	1,620	1,720	2.65	2.71	2.68
South Dakota	3,280	3,450	3,160	2.09	1.98	1.82
Texas	5,545	4,836	4,936	2.20	2.14	2.62
Vermont	290	270	310	2.59	3.17	2.70
Washington	930	840	870	3.88	4.08	4.23
Wisconsin	2,700	2,600	2,400	3.54	3.45	3.59
18 State Total	34,395	32,756	31,621	2.78	2.80	2.87

State	Production		
	2014	2015	2016
	1,000 tons	1,000 tons	1,000 tons
California	9,008	8,200	7,839
Idaho	5,524	5,429	5,905
Illinois	1,909	1,680	1,640
Iowa	4,135	4,370	3,750
Kansas	5,413	6,293	6,656
Michigan	3,719	3,835	3,518
Minnesota	5,657	5,309	5,852
Missouri	7,319	6,651	6,342
Nebraska	6,192	6,483	5,880
New Mexico	1,320	1,220	(NA)
New York	4,728	4,346	4,165
Ohio	3,044	3,018	2,768
Pennsylvania	4,562	4,393	4,613
South Dakota	6,859	6,835	5,740
Texas	12,178	10,334	12,945
Vermont	751	856	838
Washington	3,609	3,427	3,679
Wisconsin	9,570	8,967	8,607
18 State Total	95,497	91,646	90,737

(NA) Not available. Estimates discontinued in 2016. 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 haylage and greenchop; after converting alfalfa and all other haylage and greenchop to a dry equivalent basis. NASS, Crops Branch, (202) 720-2127.

Table 6-9.—All alfalfa forage: Area harvested, yield, and production, by State and 18 State total, 2014–2016 ¹

State	Area harvested			Yield		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	850	815	800	7.01	6.96	6.68
Idaho	1,120	1,030	1,030	4.20	4.45	4.90
Illinois	290	250	240	4.17	3.76	4.22
Iowa	860	810	620	3.85	4.06	4.38
Kansas	650	700	720	3.72	3.78	4.35
Michigan	850	890	830	3.48	3.62	3.64
Minnesota	1,360	1,350	1,285	3.12	3.04	3.67
Missouri	290	290	240	2.58	2.89	3.31
Nebraska	850	860	760	4.12	4.03	4.18
New Mexico ²	215	190	(NA)	4.87	4.78	(NA)
New York	500	530	650	3.83	3.63	3.16
Ohio	350	400	390	3.71	3.37	3.53
Pennsylvania	560	660	540	3.52	3.27	3.71
South Dakota	1,910	1,930	1,740	2.32	2.23	2.05
Texas	145	136	136	4.41	3.98	5.24
Vermont	70	60	50	3.27	3.73	5.06
Washington	430	425	440	4.80	5.16	5.33
Wisconsin	2,200	2,150	1,950	3.84	3.57	3.80
18 State Total	13,500	13,476	12,421	3.79	3.71	3.92
State	Production					
	2014	2015	2016			
	1,000 tons	1,000 tons	1,000 tons			
California	5,960	5,676	5,346			
Idaho	4,706	4,581	5,043			
Illinois	1,210	939	1,012			
Iowa	3,314	3,292	2,714			
Kansas	2,421	2,648	3,129			
Michigan	2,961	3,220	3,020			
Minnesota	4,249	4,098	4,715			
Missouri	749	839	795			
Nebraska	3,498	3,467	3,177			
New Mexico ²	1,048	908	(NA)			
New York	1,914	1,925	2,055			
Ohio	1,300	1,347	1,376			
Pennsylvania	1,969	2,160	2,002			
South Dakota	4,431	4,309	3,566			
Texas	640	541	713			
Vermont	229	224	253			
Washington	2,064	2,191	2,345			
Wisconsin	8,455	7,685	7,406			
18 State Total	51,118	50,050	48,667			

(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, 2014–2016¹

State	Area harvested			Yield		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	240	240	260	12.60	11.03	9.83
Idaho	120	110	125	10.83	10.45	12.60
Illinois	49	40	40	6.39	7.45	7.25
Iowa	155	135	135	6.01	6.47	8.10
Kansas	165	130	130	5.07	6.27	6.46
Michigan	290	295	285	8.02	8.44	8.24
Minnesota	370	380	390	6.40	7.08	7.32
Missouri	90	125	130	4.92	4.10	4.31
Nebraska	55	55	45	6.05	4.51	5.96
New Mexico ²	32	33	(NA)	7.66	7.91	(NA)
New York	660	650	680	6.22	5.91	5.59
Ohio	133	139	125	5.07	7.09	4.89
Pennsylvania	450	435	470	6.19	6.43	6.30
South Dakota	60	80	75	6.55	6.44	6.47
Texas	157	256	137	5.57	4.85	7.47
Vermont	140	170	160	6.36	6.84	6.00
Washington	103	130	67	7.36	8.88	10.13
Wisconsin	1,335	1,430	1,310	7.13	6.92	7.23
18 State Total	4,604	4,833	4,564	6.98	6.95	7.09

State	Production		
	2014	2015	2016
	1,000 tons	1,000 tons	1,000 tons
California	3,025	2,648	2,556
Idaho	1,300	1,150	1,575
Illinois	313	298	290
Iowa	931	873	1,093
Kansas	836	815	840
Michigan	2,326	2,491	2,348
Minnesota	2,368	2,690	2,856
Missouri	443	513	560
Nebraska	333	248	268
New Mexico ²	245	261	(NA)
New York	4,106	3,839	3,804
Ohio	674	985	611
Pennsylvania	2,785	2,799	2,959
South Dakota	393	515	485
Texas	874	1,242	1,024
Vermont	890	1,163	960
Washington	758	1,154	679
Wisconsin	9,516	9,902	9,470
18 State Total	32,116	33,586	32,378

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

Table 6-11.—Alfalfa haylage and greenchop: Area harvested, yield, and production, by State and 18 State total, 2014–2016¹

State	Area harvested			Yield		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons
California	65	70	100	8.30	6.50	6.20
Idaho	80	70	100	11.50	11.00	13.00
Illinois	40	34	25	6.60	8.00	9.30
Iowa	130	90	95	6.20	6.50	8.60
Kansas	65	60	30	4.40	6.00	8.00
Michigan	260	270	250	8.60	8.80	8.90
Minnesota	315	350	350	6.80	7.30	7.60
Missouri	20	45	20	5.00	5.00	6.00
Nebraska	35	30	20	5.50	4.50	6.50
New Mexico ²	10	3	(NA)	8.00	10.00	(NA)
New York	340	360	400	6.90	7.20	6.50
Ohio	85	100	90	5.10	7.90	5.70
Pennsylvania	290	285	275	6.90	7.40	7.00
South Dakota	30	50	50	4.10	5.20	6.70
Texas	7	6	7	7.00	7.00	7.00
Vermont	50	40	40	7.00	6.00	9.00
Washington	23	45	22	7.90	7.30	10.00
Wisconsin	1,200	1,250	1,150	7.30	7.00	7.40
18 State Total	3,045	3,158	3,024	7.16	7.24	7.56
State	Production					
	2014	2015	2016			
	1,000 tons	1,000 tons	1,000 tons			
California	540	455	620			
Idaho	920	770	1,300			
Illinois	264	272	233			
Iowa	806	585	817			
Kansas	286	360	240			
Michigan	2,236	2,376	2,225			
Minnesota	2,142	2,555	2,660			
Missouri	100	225	120			
Nebraska	193	135	130			
New Mexico ²	80	30	(NA)			
New York	2,346	2,592	2,600			
Ohio	434	790	513			
Pennsylvania	2,001	2,109	1,925			
South Dakota	123	260	335			
Texas	49	42	49			
Vermont	350	240	360			
Washington	182	329	220			
Wisconsin	8,760	8,750	8,510			
18 State Total	21,812	22,875	22,875			

(NA) Not available. ¹ Includes only alfalfa and alfalfa mixtures that were harvested as haylage or greenchop (green weight). Alfalfa harvested as dry hay is not included. ² Estimates discontinued in 2016.
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

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, 2014–2016 ¹

Class	2014	2015	2016
	1,000 cwt	1,000 cwt	1,000 cwt
Navy (pea beans)	4,273	4,562	3,516
Great northern	2,385	915	845
Small white	42	115	(²)
Pinto	9,889	9,502	9,638
Red kidney, light	1,165	1,224	462
Red kidney, dark	1,161	1,574	1,126
Pink	366	340	307
Small red	708	1,106	657
Cranberry	91	147	65
Black	3,835	5,589	4,360
Large lima (CA)	190	257	300
Baby lima (CA)	299	223	209
Blackeye	476	565	572
Small chickpeas (Garbanzo)	903	906	1,938
Large chickpeas (Garbanzo)	1,903	1,607	3,509
Chickpeas, all (Garbanzo)	2,806	2,513	5,447
Other	1,224	1,425	1,208
Total	28,910	30,057	28,712

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, 2014–2016 ¹

State	Area planted			Area harvested		
	2014	2015	2016	2014	2015	2016
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Arizona ²	11.0	9.4	(NA)	10.9	9.4	(NA)
California	48.0	45.0	50.0	47.5	44.5	49.0
Colorado	46.0	50.0	46.0	44.0	46.5	43.0
Idaho	125.0	120.0	140.0	124.0	119.0	137.0
Kansas ²	7.5	8.0	(NA)	6.9	7.8	(NA)
Michigan	230.0	275.0	210.0	226.0	272.0	208.0
Minnesota	155.0	190.0	155.0	148.0	182.0	147.0
Montana	37.5	49.0	103.0	37.0	46.5	99.5
Nebraska	170.0	140.0	138.0	156.5	128.5	122.0
New Mexico ²	10.5	12.9	(NA)	10.5	12.9	(NA)
New York ²	8.0	8.0	(NA)	7.7	7.8	(NA)
North Dakota	630.0	655.0	625.0	615.0	635.0	565.0
Oregon ²	8.5	9.0	(NA)	8.5	9.0	(NA)
South Dakota ²	14.0	12.5	(NA)	12.9	11.6	(NA)
Texas	23.0	31.0	27.0	21.0	28.0	24.0
Washington	127.7	110.0	135.0	126.7	109.0	133.0
Wisconsin ²	7.9	7.9	(NA)	7.9	7.9	(NA)
Wyoming	42.0	32.0	33.0	37.6	31.0	31.1
United States	1,701.6	1,764.7	1,662.0	1,648.6	1,708.4	1,558.6
State	Yield per acre (clean basis)			Production (clean basis)		
	2014	2015	2016	2014	2015	2016
	Pounds	Pounds	Pounds	1,000 cwt	1,000 cwt	1,000 cwt
Arizona ²	1,940	2,060	(NA)	211	194	(NA)
California	2,230	2,310	2,330	1,061	1,029	1,141
Colorado	1,900	1,820	1,750	835	846	751
Idaho	1,800	1,800	1,920	2,229	2,141	2,624
Kansas ²	1,710	2,500	(NA)	118	195	(NA)
Michigan	1,940	2,030	1,920	4,375	5,533	4,002
Minnesota	1,950	2,140	2,230	2,886	3,895	3,279
Montana	1,630	1,340	1,620	603	624	1,613
Nebraska	2,500	2,380	2,270	3,916	3,057	2,766
New Mexico ²	1,900	2,050	(NA)	200	264	(NA)
New York ²	1,490	1,510	(NA)	115	118	(NA)
North Dakota	1,430	1,400	1,580	8,795	8,901	8,908
Oregon ²	2,250	2,300	(NA)	191	207	(NA)
South Dakota ²	1,880	1,770	(NA)	243	205	(NA)
Texas	1,220	1,400	1,100	256	392	264
Washington	1,480	1,450	1,980	1,881	1,582	2,631
Wisconsin ²	2,480	2,030	(NA)	196	160	(NA)
Wyoming	2,130	2,300	2,360	799	713	733
United States	1,754	1,759	1,842	28,910	30,057	28,712

¹ Excludes beans grown for garden seed. ² Estimates discontinued in 2016.

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

Table 6-16.—Beans, dry edible: Area, yield, production, price, and value, United States, 2007–2016¹

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>
2007	1,527.4	1,479.2	1,730	25,586	28.80	748,680
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	1,558.6	1,842	28,712	30.20	871,407

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, 2014–2016¹

State	Marketing year average price per cwt.			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	58.10	51.50	(NA)	12,259	9,991	(NA)
California	63.50	69.70	61.60	67,374	71,721	70,286
Colorado	25.90	28.30	30.20	21,627	23,942	22,680
Idaho	33.00	32.10	26.40	73,557	68,726	69,274
Kansas	(D)	(D)	(NA)	(D)	(D)	(NA)
Michigan	35.30	28.80	31.50	154,438	159,350	126,063
Minnesota	43.10	30.50	29.60	124,387	118,828	97,058
Montana	20.80	28.90	30.50	12,542	18,034	49,197
Nebraska	30.70	21.50	27.90	120,221	65,726	77,171
New Mexico	60.00	29.00	(NA)	12,000	7,656	(NA)
New York	(D)	(D)	(NA)	(D)	(D)	(NA)
North Dakota	28.20	24.00	27.60	248,019	213,624	245,861
Oregon	40.10	35.50	(NA)	7,659	7,349	(NA)
South Dakota	33.20	23.70	(NA)	8,068	4,859	(NA)
Texas	46.00	32.60	34.90	11,776	12,779	9,214
Washington	32.40	29.30	31.40	60,944	46,353	82,613
Wisconsin	54.00	58.00	(NA)	10,584	9,280	(NA)
Wyoming	33.50	27.50	30.00	26,767	19,608	21,990
Other States	36.10	26.80	-	8,400	8,396	-
United States	32.30	27.30	30.20	980,622	866,222	871,407

(D) Withheld to avoid disclosing data for individual operations. (NA) Not Available. ¹ Excludes beans grown for garden seed. NASS, Crops Branch, (202) 720-2127.

Table 6-18.—Beans, dry edible: Season average wholesale (dealer) price per 100 pounds, selected markets, 2006/2007–2015/2016

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
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
2006/2007	47.25	66.26	47.38	29.52	31.61	30.95	29.07	30.94	35.33
2007/2008	42.39	65.64	41.51	38.66	47.65	44.52	44.48	43.47	53.71
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)	(NA)	45.67	(NA)	52.17	55.25	52.51	68.88
2014/2015	56.50	110.00	70.00	32.41	48.46	55.10	38.53	45.47	66.00
2015/2016	58.75	99.00	56.86	33.15	32.47	39.80	32.19	33.31	(NA)

(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, 2013–2016¹

Country	2013	2014	2015	2016
	Metric tons	Metric tons	Metric tons	Metric tons
Mexico	108,942.4	77,723.2	75,786.5	89,503.5
Canada	68,512.0	95,553.9	66,648.4	65,387.1
United Kingdom	40,978.7	52,341.8	43,952.3	33,938.7
Taiwan	22,552.1	20,644.2	44,663.2	33,027.8
Dominican Republic	22,707.1	28,796.9	31,552.0	25,944.2
Italy(*)	0.0	0.0	0.0	12,087.6
Japan	8,087.3	3,228.8	16,916.0	10,265.0
France(*)	1,804.8	3,696.7	7,895.6	9,803.8
New Zealand(*)	9,649.7	17,574.9	12,033.3	9,634.4
Yemen(*)	11,857.7	17,021.7	12,316.0	7,070.4
Guatemala	4,073.6	5,727.5	1,219.7	6,094.4
Angola	729.8	0.0	0.0	5,500.1
Australia(*)	4,632.5	4,379.2	6,178.3	5,126.5
Haiti	5,411.6	6,553.3	4,182.8	4,753.0
Belgium-Luxembourg(*)	2,046.3	658.3	596.6	4,415.1
Mozambique	9,418.9	11,006.1	3,961.7	3,578.1
Jamaica	6,190.8	6,136.3	5,374.7	3,501.9
Algeria	461.9	2,754.7	424.4	3,221.2
Turkey	171.9	1,465.5	2,259.5	2,959.1
Malaysia	9,796.2	9,177.5	3,937.8	2,837.2
Russia	2,971.5	4,221.2	4,236.7	2,718.4
Netherlands	4,067.9	1,207.2	0.0	2,591.4
Malawi	1,863.6	1,609.0	1,331.3	2,572.6
French West Indies(*)	988.9	1,279.7	1,977.4	2,441.8
Cote d'Ivoire	2,065.6	5,397.8	2,383.6	2,297.8
Africa, not elsewhere specified(*)	3,458.2	882.0	20.0	2,060.3
Korea, South	189.6	0.0	0.0	1,998.6
Hong Kong	721.2	887.7	2,430.3	1,805.2
South Africa	1,218.2	2,279.4	2,104.6	1,704.5
Spain	10,176.3	19,223.3	9,360.1	1,694.8
Rest of World	75,374.8	85,168.5	21,360.9	17,412.9
World Total	441,121.0	486,596.2	385,103.9	377,947.4

(*) 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, 2013–2016¹

Country	2013	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Dried chickpeas:				
Spain	16,298.90	12,016.40	12,625.30	14,059.00
Canada	3,613.50	1,247.00	3,046.90	13,843.20
India	1,883.50	7,177.00	4,586.70	8,910.90
Turkey	8,550.90	4,661.70	2,161.30	7,637.30
Pakistan	0.00	2,898.40	4,335.20	7,036.00
Peru	740.20	507.30	115.20	4,877.50
Italy(*)	2,920.10	5,425.00	2,919.50	4,737.30
United Arab Emirates	226.40	1,117.90	697.50	3,728.80
Algeria	1,100.10	1,649.10	1,459.20	3,484.90
Lebanon	2,037.20	2,211.20	1,849.10	3,312.40
Sri Lanka	0.00	0.00	531.70	1,857.30
Portugal	184.50	2,538.70	1,521.90	1,827.60
Israel(*)	1,108.40	1,299.80	2,491.00	1,363.20
New Zealand(*)	619.20	382.90	562.30	1,059.60
Colombia	1,159.10	1,510.30	166.80	914.30
Philippines	325.20	513.40	862.20	910.50
Korea, South	56.60	63.20	639.90	819.70
Taiwan	368.10	411.80	728.70	597.70
Japan	933.50	603.60	801.10	552.80
Guatemala	1.60	24.30	0.00	539.60
Jordan	138.00	134.10	278.20	500.60
Belgium-Luxembourg(*)	346.60	92.60	67.40	408.80
France(*)	0.00	0.00	0.00	368.00
China	0.00	0.00	0.00	322.40
United Kingdom	190.10	182.00	987.80	306.00
Netherlands	36.40	631.90	0.00	254.30
Panama	29.00	57.30	88.00	204.70
Malaysia	65.70	111.00	66.80	202.50
Haiti	0.00	0.00	0.00	193.30
Dominican Republic	99.40	257.60	200.30	187.90
Rest of World	8,776.90	631.50	821.80	1,358.00
World Total	51,809.30	48,357.20	44,611.80	86,376.30
Dried lentils:				
Spain	69,933.80	121,012.20	93,171.20	62,019.70
Canada	5,269.50	6,685.60	8,346.80	60,736.70
India	29,716.10	28,495.40	31,992.60	32,085.10
Turkey	8,756.90	15,307.00	11,217.70	19,757.90
Pakistan	12,278.80	8,333.50	12,187.10	13,561.20
Peru	596.10	0.00	13,954.40	10,846.00
Italy(*)	2,626.30	2,405.30	6,135.90	10,323.40
United Arab Emirates	7,754.00	7,362.70	9,159.80	9,122.00
Algeria	2,120.20	4,750.00	5,074.40	7,870.30
Lebanon	1,352.80	4,309.00	3,222.70	4,990.40
Sri Lanka	4,189.60	6,441.90	7,031.80	4,678.50
Portugal	1,270.50	2,500.50	4,199.90	3,403.60
Israel(*)	7,366.40	188.70	0.00	2,250.00
New Zealand(*)	1,321.90	2,152.30	2,919.30	2,106.20
Colombia	142.60	91.90	772.70	1,796.50
Philippines	1,553.50	1,993.10	465.90	1,542.40
Korea, South	232.00	608.50	1,267.50	1,531.60
Taiwan	7.00	749.20	735.80	1,056.30
Japan	0.00	20.00	424.00	961.50
Guatemala	2,392.60	3,451.70	3,470.80	913.70
Jordan	1,370.60	1,694.70	1,367.60	802.60
Belgium-Luxembourg(*)	0.00	2,503.00	911.00	785.80
France(*)	1,338.00	1,383.60	1,738.70	744.40
China	5.50	12.70	90.80	676.50
United Kingdom	49.60	50.00	286.20	671.50
Netherlands	0.00	0.00	755.80	609.60
Panama	0.00	0.00	0.00	575.00
Malaysia	558.30	229.30	378.00	484.90
Haiti	1,134.10	199.30	716.10	448.10
Dominican Republic	47.20	23.50	203.90	442.00
Rest of World	33,979.00	18,891.60	16,664.70	4,227.40
World Total	197,363.00	241,846.40	238,863.20	262,020.60

(*) 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, 2013–2016¹

Country	2013	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	
India	105,419.20	239,245.80	161,311.60	208,945.40
China	57,983.90	66,021.30	48,881.20	61,198.00
Ethiopia(*)	18,574.20	14,422.00	37,999.40	57,480.30
Pakistan	15,611.60	9,686.00	3,998.40	14,922.60
Canada	15,571.70	15,263.00	19,499.50	14,804.60
Djibouti	16,385.20	11,248.90	16,113.70	12,859.30
Yemen(*)	1,463.30	997.6	1,042.40	11,489.40
Peru	14,378.80	17,537.80	15,659.50	9,448.30
Philippines	21,754.50	19,886.00	15,480.10	9,375.80
Cameroon	3,860.00	300.6	2,012.60	8,735.90
Kenya	19,471.70	16,043.80	15,175.00	7,196.20
Mexico	7,668.20	12,918.30	5,834.20	6,638.30
South Africa	11,247.20	8,004.10	4,861.30	5,735.70
Colombia	4,453.90	4,177.60	5,339.50	5,350.50
Malawi	568.6	0	1,476.80	5,153.80
Malaysia	699.1	652.6	559.3	4,766.30
Tanzania	5,145.70	2,824.90	3,413.00	4,326.40
Zimbabwe	0	0	285.4	4,237.60
Togo	0	630	298.1	3,824.80
Mozambique	300	0	872.2	3,493.20
Burma	0	0	1,305.10	3,214.80
Turkey	1,031.00	2,010.20	1,742.00	3,138.60
Benin	299.8	584.7	3,582.20	3,095.00
Somalia	194.5	1,677.40	5,687.30	3,055.40
Korea, South	4,168.90	4,850.60	2,982.10	2,955.20
Haiti	826.6	19.8	3.6	2,809.90
Spain	1,049.20	133.4	241.6	2,806.40
Saudi Arabia	3,734.80	2,312.40	4,325.40	2,663.20
Taiwan	5,340.60	4,919.20	9,507.80	2,623.20
United Arab Emirates	939.9	2,530.30	661.2	2,491.00
Rest of World	44,047.20	44,143.80	22,280.00	16,929.10
World Total	382,189.40	503,042.00	412,431.30	505,764.30

(*) 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, 2007–2016

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>
2007	30.9	1,949	60,253	2.99	179,978	47,000	70,000
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

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

Table 6-23.—Hops: Area, yield, and production, by State and United States, 2014–2016

State	Area harvested			Yield per acre			Production		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
	<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	3,743	4,863	5,648	1,847	1,794	1,646	6,913.8	8,724.9	9,297.7
Oregon	5,410	6,612	7,765	1,520	1,613	1,596	8,221.0	10,667.8	12,395.3
Washington	28,858	32,158	37,444	1,936	1,849	1,748	55,861.1	59,453.3	65,446.6
United States ...	38,011	43,633	50,857	1,868	1,807	1,713	70,995.9	78,846.0	87,139.6

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

Table 6-24.—Hops: Marketing year average price and value of production, by State and United States, 2014–2016

State	Marketing year average price per pound			Value of production		
	2014	2015	2016	2014	2015	2016
	<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	2.72	3.53	5.50	18,806	30,799	51,137
Oregon	4.07	3.24	5.25	33,459	34,564	65,075
Washington	3.73	4.71	5.84	208,362	280,025	382,208
United States ...	3.67	4.38	5.72	260,627	345,388	498,420

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

Table 6-25.—Hops: United States exports by country of destination and imports by country of origin, 2013–2016

Country	2013	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	
United Kingdom	1,611.5	1,755.6	2,266.7	2,971.2
Canada	797.5	978.4	1,107.4	1,402.1
Germany(*)	1,012.3	774.0	913.5	1,233.0
Belgium-Luxembourg(*)	826.6	819.6	852.1	1,211.8
Mexico	787.0	1,062.2	1,207.4	914.2
Brazil	964.9	1,139.6	1,330.8	802.3
Japan	290.3	455.2	501.3	694.4
China	409.9	450.3	546.6	668.9
Colombia	750.3	701.2	456.5	619.2
Australia(*)	184.9	235.4	301.3	460.2
Hong Kong	144.2	320.2	239.2	278.3
Peru	188.7	248.2	197.2	238.8
Philippines	84.3	168.9	160.7	230.8
Argentina	261.6	204.2	330.5	227.2
Russia	46.7	97.9	68.7	223.4
Korea, South	232.8	222.6	264.9	190.3
Dominican Republic	97.2	76.8	84.3	114.8
Vietnam	43.8	47.7	69.3	107.3
South Africa	24.6	68.4	47.4	101.8
India	140.8	107.7	6.0	96.7
Chile	85.3	69.0	129.1	91.1
Ireland	51.3	14.4	56.9	73.1
Guatemala	40.5	31.4	36.9	69.4
Ecuador	111.6	120.7	71.4	67.4
New Zealand(*)	18.8	23.4	55.7	63.9
Venezuela	172.0	370.1	61.7	47.8
Netherlands	47.9	59.8	43.9	44.7
Indonesia	30.5	31.9	29.7	38.2
Cambodia	29.0	17.3	30.6	35.7
Bolivia	43.3	101.0	6.6	34.9
Rest of World	511.7	486.2	497.4	336.0
World Total	10,041.8	11,259.0	11,971.8	13,688.7

(*) 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: Operations, inventory, and value,
United States, Jan. 1, 2007-2016**

Year	Inventory	Value	
		Per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2007	96,573	922	89,063,310
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

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

**Table 7-2.—All cattle and calves: Number by class,
United States, Jan. 1, 2007-2016**

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>1,000 head</i>									
2007	96,573	32,644	9,145	5,835	4,325	9,914	17,185	2,214	15,311
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

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, 2015–2016

State	Inventory		Value			
	2015	2016	Value per head		Total value	
			2015	2016	2015	2016
	<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	1,200.0	1,250.0	1,380	1,310	1,656,000	1,637,500
Alaska	10.0	11.0	1,220	1,200	12,200	13,200
Arizona	880.0	900.0	1,470	1,390	1,293,600	1,251,000
Arkansas	1,630.0	1,700.0	1,510	1,270	2,461,300	2,159,000
California	5,100.0	5,150.0	1,520	1,460	7,752,000	7,519,000
Colorado	2,550.0	2,700.0	1,670	1,490	4,258,500	4,023,000
Connecticut	47.0	49.0	1,430	1,400	67,210	68,600
Delaware	17.0	16.0	1,330	1,280	22,610	20,480
Florida	1,680.0	1,680.0	1,530	1,410	2,570,400	2,368,800
Georgia	1,030.0	1,100.0	1,380	1,260	1,421,400	1,386,000
Hawaii	133.0	140.0	1,070	1,010	142,310	141,400
Idaho	2,280.0	2,390.0	1,650	1,480	3,762,000	3,537,200
Illinois	1,120.0	1,180.0	1,590	1,350	1,780,800	1,593,000
Indiana	870.0	890.0	1,430	1,330	1,244,100	1,183,700
Iowa	3,850.0	3,950.0	1,530	1,390	5,890,500	5,490,500
Kansas	5,900.0	6,250.0	1,490	1,430	8,791,000	8,937,500
Kentucky	2,050.0	2,170.0	1,400	1,220	2,870,000	2,647,400
Louisiana	790.0	770.0	1,530	1,400	1,208,700	1,078,000
Maine	85.0	81.0	1,300	1,340	110,500	108,540
Maryland	185.0	190.0	1,460	1,280	270,100	243,200
Massachusetts	38.0	38.0	1,300	1,300	49,400	49,400
Michigan	1,120.0	1,140.0	1,570	1,430	1,758,400	1,630,200
Minnesota	2,320.0	2,420.0	1,470	1,310	3,410,400	3,170,200
Mississippi	900.0	940.0	1,360	1,270	1,224,000	1,193,800
Missouri	4,000.0	4,100.0	1,570	1,350	6,280,000	5,535,000
Montana	2,500.0	2,650.0	2,040	1,620	5,100,000	4,293,000
Nebraska	6,250.0	6,450.0	1,600	1,450	10,000,000	9,352,500
Nevada	430.0	435.0	1,740	1,460	748,200	635,100
New Hampshire	30.0	35.0	1,390	1,380	41,700	48,300
New Jersey	28.0	28.0	1,380	1,380	38,640	38,640
New Mexico	1,330.0	1,370.0	1,690	1,530	2,247,700	2,096,100
New York	1,440.0	1,460.0	1,490	1,380	2,145,600	2,014,800
North Carolina	800.0	800.0	1,240	1,170	992,000	936,000
North Dakota	1,640.0	1,710.0	2,060	1,650	3,378,400	2,821,500
Ohio	1,240.0	1,250.0	1,410	1,310	1,748,400	1,637,500
Oklahoma	4,550.0	4,800.0	1,590	1,400	7,234,500	6,720,000
Oregon	1,300.0	1,310.0	1,650	1,440	2,145,000	1,886,400
Pennsylvania	1,530.0	1,600.0	1,500	1,320	2,295,000	2,112,000
Rhode Island	5.0	5.0	1,380	1,360	6,900	6,800
South Carolina	335.0	340.0	1,340	1,220	448,900	414,800
South Dakota	3,700.0	3,900.0	2,000	1,600	7,400,000	6,240,000
Tennessee	1,720.0	1,830.0	1,420	1,240	2,442,400	2,269,200
Texas	11,700.0	11,800.0	1,530	1,400	17,901,000	16,520,000
Utah	780.0	840.0	1,750	1,490	1,365,000	1,251,600
Vermont	260.0	260.0	1,510	1,440	392,600	374,400
Virginia	1,470.0	1,490.0	1,400	1,190	2,058,000	1,773,100
Washington	1,150.0	1,150.0	1,530	1,380	1,759,500	1,587,000
West Virginia	370.0	390.0	1,460	1,270	540,200	495,300
Wisconsin	3,500.0	3,500.0	1,630	1,420	5,705,000	4,970,000
Wyoming	1,300.0	1,310.0	2,130	1,630	2,769,000	2,135,300
United States	89,143.0	91,918.0	1,584	1,410	141,211,070	129,614,960

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

Table 7-4.—Cattle and calves, Jan. 1: Number by class, State and United States, 2015–2016

State	Cows and heifers that have calved				Heifers, 500 pounds and over					
	Beef cows		Milk cows		Beef cow replacements		Milk cow replacements		Other	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
	<i>1,000 head</i>									
Alabama	652.0	673.0	8.0	7.0	112.0	105.0	3.0	3.0	30.0	37.0
Alaska	4.3	4.0	0.3	0.3	0.9	0.9	0.1	0.1	0.1	0.6
Arizona	175.0	180.0	195.0	195.0	34.0	39.0	65.0	68.0	21.0	28.0
Arkansas	863.0	893.0	7.0	7.0	150.0	182.0	4.0	3.0	51.0	70.0
California	590.0	600.0	1,780.0	1,770.0	130.0	120.0	770.0	790.0	140.0	130.0
Colorado	725.0	772.0	145.0	148.0	170.0	200.0	100.0	105.0	470.0	460.0
Connecticut	5.0	6.0	19.0	19.0	2.5	2.5	8.0	8.5	0.5	1.0
Delaware	2.5	2.5	5.0	5.0	0.7	0.5	2.5	2.1	0.7	0.4
Florida	906.0	905.0	124.0	125.0	130.0	125.0	35.0	40.0	30.0	25.0
Georgia	479.0	505.0	81.0	85.0	90.0	105.0	27.0	30.0	30.0	28.0
Hawaii	68.8	72.8	2.2	2.2	11.0	11.5	1.0	1.0	5.0	5.0
Idaho	461.0	503.0	579.0	587.0	120.0	140.0	320.0	320.0	170.0	190.0
Illinois	366.0	396.0	94.0	94.0	64.0	67.0	52.0	50.0	99.0	98.0
Indiana	199.0	196.0	181.0	184.0	50.0	50.0	80.0	80.0	44.0	51.0
Iowa	900.0	940.0	210.0	210.0	180.0	190.0	130.0	120.0	630.0	610.0
Kansas	1,427.0	1,488.0	143.0	142.0	290.0	290.0	90.0	110.0	1,330.0	1,430.0
Kentucky	997.0	1,021.0	63.0	59.0	140.0	160.0	45.0	50.0	105.0	115.0
Louisiana	466.0	442.0	14.0	13.0	74.0	84.0	5.0	5.0	23.0	21.0
Maine	11.0	10.0	30.0	30.0	4.5	3.0	16.0	15.0	2.5	3.0
Maryland	42.0	43.0	49.0	49.0	9.0	11.0	25.0	28.0	9.0	5.0
Massachusetts ..	5.5	6.0	12.5	12.0	2.0	2.0	7.0	7.0	1.0	1.0
Michigan	107.0	108.0	403.0	412.0	23.0	27.0	167.0	172.0	35.0	31.0
Minnesota	340.0	350.0	460.0	460.0	90.0	95.0	280.0	300.0	160.0	175.0
Mississippi	468.0	500.0	12.0	10.0	97.0	111.0	6.0	6.0	33.0	38.0
Missouri	1,851.0	1,902.0	89.0	88.0	345.0	360.0	60.0	45.0	225.0	220.0
Montana	1,496.0	1,486.0	14.0	14.0	435.0	420.0	7.0	8.0	198.0	262.0
Nebraska	1,756.0	1,852.0	54.0	58.0	420.0	390.0	20.0	30.0	1,280.0	1,370.0
Nevada	212.0	217.0	28.0	28.0	37.0	41.0	9.0	9.0	29.0	28.0
New Hampshire ..	3.0	4.5	14.0	14.0	1.0	1.0	5.5	6.0	0.5	1.0
New Jersey	7.5	7.5	7.0	7.0	1.3	1.3	3.8	3.8	0.9	0.9
New Mexico	407.0	415.0	323.0	315.0	85.0	105.0	110.0	120.0	70.0	75.0
New York	105.0	110.0	615.0	620.0	41.0	44.0	350.0	355.0	44.0	41.0
North Carolina ..	363.0	363.0	47.0	47.0	70.0	65.0	18.0	18.0	27.0	22.0
North Dakota	894.0	904.0	16.0	16.0	169.0	183.0	6.0	7.0	185.0	195.0
Ohio	282.0	284.0	268.0	266.0	50.0	60.0	125.0	120.0	50.0	50.0
Oklahoma	1,880.0	1,923.0	40.0	37.0	420.0	460.0	25.0	25.0	365.0	440.0
Oregon	525.0	524.0	125.0	126.0	110.0	110.0	60.0	70.0	105.0	100.0
Pennsylvania	150.0	170.0	530.0	530.0	55.0	60.0	305.0	325.0	55.0	55.0
Rhode Island	1.5	1.5	0.9	0.9	0.5	0.5	0.5	0.5	0.2	0.2
South Carolina ..	170.0	175.0	15.0	15.0	30.0	30.0	5.0	5.0	12.0	14.0
South Dakota	1,611.0	1,670.0	99.0	110.0	405.0	375.0	65.0	50.0	490.0	550.0
Tennessee	873.0	886.0	47.0	44.0	140.0	160.0	25.0	27.0	65.0	93.0
Texas	4,130.0	4,290.0	470.0	460.0	750.0	790.0	250.0	250.0	1,390.0	1,240.0
Utah	324.0	325.0	96.0	95.0	78.0	95.0	48.0	50.0	64.0	75.0
Vermont	12.0	13.0	132.0	131.0	4.0	5.0	56.0	55.0	5.0	5.0
Virginia	637.0	629.0	93.0	91.0	110.0	100.0	43.0	47.0	42.0	58.0
Washington	198.0	223.0	277.0	277.0	54.0	60.0	136.0	130.0	135.0	120.0
West Virginia	185.0	201.0	9.0	9.0	33.0	35.0	4.0	4.0	20.0	18.0
Wisconsin	275.0	270.0	1,275.0	1,280.0	75.0	80.0	730.0	735.0	45.0	45.0
Wyoming	694.0	704.0	6.0	6.0	193.0	188.0	5.0	5.0	142.0	122.0
United States	29,302.1	30,165.8	9,306.9	9,310.4	6,086.4	6,340.2	4,710.4	4,814.0	8,464.4	8,753.1

See footnote(s) at end of table.

**Table 7-4.—Cattle and calves, Jan. 1: Number by class,
State and United States, 2015–2016—Continued**

State	Steers, 500 pounds and over		Bulls, 500 pounds and over		Calves under 500 pounds	
	2015	2016	2015	2016	2015	2016
	<i>1,000 head</i>					
Alabama	50.0	50.0	45.0	50.0	300.0	325.0
Alaska	0.3	0.4	2.4	2.5	1.6	2.2
Arizona	275.0	270.0	20.0	20.0	95.0	100.0
Arkansas	130.0	125.0	55.0	55.0	370.0	365.0
California	550.0	610.0	70.0	70.0	1,070.0	1,060.0
Colorado	780.0	810.0	55.0	55.0	105.0	150.0
Connecticut	2.0	2.0	0.5	0.5	9.5	9.5
Delaware	2.2	2.0	0.4	0.3	3.0	3.2
Florida	25.0	25.0	60.0	55.0	370.0	380.0
Georgia	45.0	37.0	28.0	30.0	250.0	280.0
Hawaii	9.0	9.5	4.0	4.0	32.0	34.0
Idaho	280.0	290.0	40.0	40.0	310.0	320.0
Illinois	210.0	200.0	25.0	25.0	210.0	250.0
Indiana	116.0	115.0	17.0	18.0	183.0	196.0
Iowa	1,290.0	1,320.0	60.0	60.0	450.0	500.0
Kansas	1,890.0	2,010.0	95.0	90.0	635.0	690.0
Kentucky	200.0	225.0	65.0	70.0	435.0	470.0
Louisiana	24.0	22.0	30.0	30.0	154.0	153.0
Maine	4.5	3.5	1.5	1.5	15.0	15.0
Maryland	15.0	14.0	4.0	5.0	32.0	35.0
Massachusetts	2.0	2.0	1.0	1.0	7.0	7.0
Michigan	170.0	170.0	15.0	15.0	200.0	205.0
Minnesota	500.0	520.0	35.0	40.0	455.0	480.0
Mississippi	56.0	41.0	38.0	39.0	190.0	195.0
Missouri	400.0	440.0	110.0	115.0	920.0	930.0
Montana	175.0	230.0	100.0	105.0	75.0	125.0
Nebraska	2,330.0	2,340.0	95.0	95.0	295.0	315.0
Nevada	44.0	42.0	12.0	13.0	59.0	57.0
New Hampshire	1.0	1.5	0.5	0.5	4.5	6.5
New Jersey	2.0	2.0	1.0	1.0	4.5	4.5
New Mexico	95.0	120.0	35.0	35.0	205.0	185.0
New York	35.0	33.0	15.0	17.0	235.0	240.0
North Carolina	36.0	36.0	29.0	29.0	210.0	220.0
North Dakota	215.0	255.0	50.0	60.0	105.0	90.0
Ohio	195.0	200.0	25.0	25.0	245.0	245.0
Oklahoma	870.0	950.0	140.0	145.0	810.0	820.0
Oregon	165.0	170.0	40.0	40.0	170.0	170.0
Pennsylvania	145.0	140.0	25.0	25.0	265.0	295.0
Rhode Island	0.5	0.5	0.1	0.1	0.8	0.8
South Carolina	9.0	12.0	14.0	14.0	80.0	75.0
South Dakota	680.0	780.0	100.0	95.0	250.0	270.0
Tennessee	120.0	145.0	60.0	60.0	390.0	415.0
Texas	2,520.0	2,560.0	320.0	320.0	1,870.0	1,890.0
Utah	78.0	90.0	22.0	25.0	70.0	85.0
Vermont	4.0	4.0	3.0	3.0	44.0	44.0
Virginia	155.0	160.0	40.0	40.0	350.0	365.0
Washington	175.0	170.0	18.0	18.0	157.0	152.0
West Virginia	44.0	36.0	13.0	15.0	62.0	72.0
Wisconsin	375.0	380.0	35.0	30.0	690.0	680.0
Wyoming	135.0	145.0	40.0	40.0	85.0	100.0
United States	15,629.5	16,315.4	2,109.4	2,142.4	13,533.9	14,076.7

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

Table 7-5.—Cows and calf crop: Cows and heifers that have calved, Jan. 1, 2015–2016, and calves born, by State and United States, 2014–2015

State	Cows and heifers that have calved		Calves born	
	Jan. 1		2014	2015
	2015	2016		
	<i>1,000 head</i>			
Alabama	660.0	680.0	560.0	580.0
Alaska	4.6	4.3	3.3	3.5
Arizona	370.0	375.0	290.0	295.0
Arkansas	870.0	900.0	730.0	760.0
California	2,370.0	2,370.0	1,930.0	1,960.0
Colorado	870.0	920.0	750.0	800.0
Connecticut	24.0	25.0	19.0	19.5
Delaware	7.5	7.5	6.0	6.0
Florida	1,030.0	1,030.0	820.0	800.0
Georgia	560.0	590.0	480.0	490.0
Hawaii	71.0	75.0	55.0	60.0
Idaho	1,040.0	1,090.0	940.0	940.0
Illinois	460.0	490.0	400.0	415.0
Indiana	380.0	380.0	325.0	335.0
Iowa	1,110.0	1,150.0	1,040.0	1,060.0
Kansas	1,570.0	1,630.0	1,280.0	1,330.0
Kentucky	1,060.0	1,080.0	940.0	970.0
Louisiana	480.0	455.0	355.0	345.0
Maine	41.0	40.0	32.0	30.0
Maryland	91.0	92.0	70.0	75.0
Massachusetts	18.0	18.0	17.0	17.0
Michigan	510.0	520.0	385.0	390.0
Minnesota	800.0	810.0	770.0	770.0
Mississippi	480.0	510.0	375.0	400.0
Missouri	1,940.0	1,990.0	1,730.0	1,750.0
Montana	1,510.0	1,500.0	1,470.0	1,470.0
Nebraska	1,810.0	1,910.0	1,580.0	1,650.0
Nevada	240.0	245.0	190.0	200.0
New Hampshire	17.0	18.5	13.5	13.5
New Jersey	14.5	14.5	9.0	10.0
New Mexico	730.0	730.0	550.0	550.0
New York	720.0	730.0	500.0	530.0
North Carolina	410.0	410.0	365.0	360.0
North Dakota	910.0	920.0	840.0	830.0
Ohio	550.0	550.0	460.0	460.0
Oklahoma	1,920.0	1,960.0	1,760.0	1,730.0
Oregon	650.0	650.0	630.0	620.0
Pennsylvania	680.0	700.0	520.0	570.0
Rhode Island	2.4	2.4	2.2	2.2
South Carolina	185.0	190.0	155.0	140.0
South Dakota	1,710.0	1,780.0	1,610.0	1,650.0
Tennessee	920.0	930.0	830.0	850.0
Texas	4,600.0	4,750.0	3,950.0	4,050.0
Utah	420.0	420.0	385.0	390.0
Vermont	144.0	144.0	105.0	110.0
Virginia	730.0	720.0	650.0	650.0
Washington	475.0	500.0	405.0	420.0
West Virginia	194.0	210.0	180.0	190.0
Wisconsin	1,550.0	1,550.0	1,400.0	1,380.0
Wyoming	700.0	710.0	660.0	660.0
United States	38,609.0	39,476.2	33,522.0	34,086.7

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

Table 7-6.—Cattle and calves: All cattle on feed, United States, Jan. 1, 2007–2016 ¹

Year	Inventory
	<i>1,000 head</i>
2007	14,646.7
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

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, 2015–2016

State	2015	2016
	<i>1,000 head</i>	<i>1,000 head</i>
Arizona	252.0	257.0
California	425.0	450.0
Colorado	930.0	910.0
Idaho	245.0	250.0
Illinois	230.0	240.0
Indiana	100.0	115.0
Iowa	1,220.0	1,230.0
Kansas	2,180.0	2,230.0
Kentucky	15.0	17.0
Maryland	10.0	9.0
Michigan	160.0	170.0
Minnesota	385.0	405.0
Missouri	70.0	100.0
Montana	40.0	50.0
Nebraska	2,530.0	2,520.0
Nevada	4.0	2.0
New York	26.0	16.0
North Dakota	44.0	55.0
Ohio	170.0	160.0
Oklahoma	265.0	280.0
Oregon	85.0	75.0
Pennsylvania	90.0	85.0
South Dakota	385.0	435.0
Texas	251.0	244.0
Utah	24.0	27.0
Virginia	20.0	22.0
Washington	210.0	195.0
West Virginia	4.0	4.0
Wisconsin	260.0	275.0
Wyoming	75.0	70.0
Other States ¹	61.0	63.0
United States	13,025.0	13,157.0

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, 2007–2016

Year	Nebraska		Worthing, SD ¹		Louisville, KY	
	Choice		Cows ²		Cows	
	Steers ³	Heifers ⁴	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>
2007 65-80%	91.87	91.86	60.91	56.85	47.02	45.22
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)

(NA) Not available. ¹2007 Sioux Falls, SD; 2008 to present Worthing, SD. ²All weights; simple average of price range. ³1,100 to 1,500 pound weight range; weighted average of price range. ⁴1,000 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, 2007-2016

Year	Calf crop ¹	Death loss		Marketings ²		Inshipments ³	Farm slaughter
		Cattle	Calves	Cattle	Calves		Cattle and calves
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
2007	36,759	1,856	2,394	45,008	8,956	21,104	188
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	35,083	1,736	2,140	41,930	7,655	20,167	123

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
2007	41,437,021	35,973,068	49,843,322	441,051	50,284,373	89.90	119.00
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	42,724,691	48,625,860	63,944,678	472,719	64,417,397	119.00	160.00

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, 2007-2016 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	
2007 ...	92.21	1,366	359,511	92.10	1,289	2,081,144
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

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	
2007 ...	92.01	1,241	357,880	93.09	1,165	1,582,183
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

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, 2007–2016

Year	Oklahoma City	Fort Collins ¹	Amarillo	South St. Joseph	Sioux Falls
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2007	422	82	65	52	115
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

¹ Switch to Fort Collins market 2005.
AMS, Livestock & Grain Market News, (202) 720-7316.

Table 7-12.—Cattle and calves: Number slaughtered, United States, 2007–2016

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>										
2007 ...	33,721	543	34,264	150	34,414	745	13	758	37	795
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

¹ Totals 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, 2007–2016

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>
2007	33,721	1,275	745	304
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

¹ Excludes 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, 2016¹

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	5.5	5,850	1,063	0.1	33	388
Alaska	1.1	1,595	1,410	(D)	(D)	(D)
Arizona	591.1	815,681	1,383	(Y)	(Y)	(Y)
Arkansas	5.0	5,140	1,032	(D)	(D)	(D)
California	1,218.8	1,637,082	1,354	115.9	10,588	93
Colorado	2,457.3	3,437,263	1,400	(D)	(D)	(D)
Delaware-Maryland ...	37.7	50,893	1,351	(D)	(D)	(D)
Florida	66.4	80,325	1,218	0.5	209	403
Georgia	(D)	(D)	(D)	1.0	532	508
Hawaii	9.3	10,596	1,144	(D)	(D)	(D)
Idaho	39.9	46,917	1,253	20.1	1,600	80
Illinois	(D)	(D)	(D)	0.7	263	382
Indiana	30.8	34,056	1,105	5.0	1,394	279
Iowa	(D)	(D)	(D)	(D)	(D)	(D)
Kansas	6,127.3	8,363,992	1,365	0.1	38	363
Kentucky	17.7	18,325	1,037	(D)	(D)	(D)
Louisiana	5.8	4,834	833	0.3	131	470
Michigan	519.7	726,435	1,406	1.3	375	300
Minnesota	(D)	(D)	(D)	0.1	28	287
Mississippi	2.7	2,452	904	(D)	(D)	(D)
Missouri	39.3	44,819	1,141	0.2	81	379
Montana	21.6	24,540	1,138	(D)	(D)	(D)
Nebraska	7,237.1	10,265,929	1,420	(D)	(D)	(D)
Nevada	1.5	1,579	1,039	(D)	(D)	(D)
New England ³	23.8	27,174	1,142	4.3	662	154
New Jersey	32.7	35,233	1,082	24.9	9,653	388
New Mexico	3.5	3,679	1,057	(Y)	(Y)	(Y)
New York	36.3	42,743	1,191	46.7	6,292	137
North Carolina	65.1	78,869	1,216	0.8	353	448
North Dakota	9.5	12,340	1,306	(D)	(D)	(D)
Ohio	64.2	74,807	1,170	92.1	23,034	252
Oklahoma	28.1	29,293	1,042	0.2	90	469
Oregon	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	1,003.8	1,223,245	1,222	93.5	40,501	433
South Carolina	174.8	213,658	1,229	(Y)	(Y)	(Y)
South Dakota	(D)	(D)	(D)	(D)	(D)	(D)
Tennessee	64.9	59,810	948	0.2	99	437
Texas	5,411.4	7,089,048	1,313	3.0	1,344	447
Utah	577.3	795,093	1,381	(D)	(D)	(D)
Virginia	12.8	13,532	1,055	0.7	285	416
Washington	1,084.2	1,497,664	1,385	(D)	(D)	(D)
West Virginia	8.5	8,737	1,029	(D)	(D)	(D)
Wisconsin	1,220.8	1,686,875	1,390	61.6	29,059	473
Wyoming	5.5	6,145	1,109	(D)	(D)	(D)
United States	30,578.2	41,576,495	1,363	487.7	128,631	266

(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, 2016

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	441.0	64.0	5.0	2.0	546,764	452,072	419,100	3,407	422,507
Alaska	1.2	0.1	0.4	0.2	2,900	3,421	1,952	178	2,130
Arizona	485.5	101.5	379.0	1.0	450,705	514,051	677,356	1,982	679,338
Arkansas	589.0	222.0	150.0	1.0	496,044	434,899	489,068	5,027	494,095
California	1,832.0	391.0	640.0	7.0	1,814,704	1,973,222	2,526,285	10,467	2,536,752
Colorado	1,965.5	101.5	1,500.0	1.0	1,652,891	1,900,549	3,087,775	8,574	3,096,349
Connecticut	9.8	8.1	0.9	0.4	13,184	15,655	16,421	1,004	17,425
Delaware	4.2	1.9	1.1	0.3	5,035	5,676	6,131	557	6,688
Florida	222.0	560.5	51.0	1.5	438,599	510,629	546,571	2,538	549,109
Georgia	262.0	205.0	24.0	2.0	348,317	336,223	349,134	3,952	353,086
Hawaii	14.8	36.0	-	0.2	35,164	45,209	42,769	503	43,272
Idaho	1,155.0	175.0	450.0	4.0	1,213,600	1,392,292	1,743,465	11,696	1,755,161
Illinois	349.0	80.0	115.0	7.0	485,180	593,658	610,090	17,162	627,252
Indiana	288.0	117.0	105.0	4.0	274,150	294,269	367,257	14,875	382,132
Iowa	2,267.0	101.5	1,360.0	1.5	2,083,450	2,486,740	3,858,669	20,636	3,879,305
Kansas	4,809.0	4.0	3,705.0	2.0	4,234,144	4,589,722	7,863,631	16,011	7,879,642
Kentucky	491.0	418.0	31.0	3.0	575,187	700,103	733,674	11,251	744,925
Louisiana	121.0	185.0	2.0	1.0	193,580	222,237	216,113	1,341	217,454
Maine	11.6	15.6	2.7	0.3	16,939	19,760	17,659	2,069	19,728
Maryland	50.1	19.0	5.0	0.5	67,834	75,386	79,532	2,869	82,401
Massachusetts	7.0	8.6	0.9	0.3	8,062	9,225	8,878	1,315	10,193
Michigan	338.0	41.0	81.0	3.0	469,680	505,309	529,060	15,704	544,764
Minnesota	1,132.0	108.5	560.0	5.5	1,292,350	1,403,340	1,846,539	26,648	1,873,187
Mississippi	263.0	134.0	12.0	2.0	181,713	177,086	210,831	4,388	215,219
Missouri	771.0	843.0	160.0	6.0	1,292,810	1,673,373	1,555,283	23,505	1,578,788
Montana	1,380.0	151.0	140.0	2.0	1,139,762	1,315,209	1,431,268	9,264	1,440,532
Nebraska	6,405.0	89.0	5,010.0	1.0	5,695,958	6,331,232	10,976,167	9,865	10,986,032
Nevada	191.0	85.0	105.0	1.0	187,228	219,427	293,018	2,348	295,366
New Hampshire	6.0	6.5	0.7	0.2	8,419	10,084	9,253	1,540	10,793
New Jersey	4.6	5.0	1.2	0.1	6,049	7,403	7,539	969	8,508
New Mexico	771.5	101.0	380.0	1.5	599,767	695,565	895,532	3,433	898,965
New York	185.0	296.5	24.0	2.5	250,816	294,077	282,791	11,922	294,713
North Carolina	191.0	125.5	7.0	1.5	293,693	272,237	255,295	4,290	259,585
North Dakota	764.5	105.2	120.0	1.3	743,411	904,193	893,633	8,440	902,073
Ohio	411.0	25.0	60.0	5.0	533,302	581,933	560,523	23,710	584,233
Oklahoma	2,102.0	339.5	1,000.0	3.5	2,073,036	2,557,136	3,083,681	19,746	3,103,427
Oregon	500.0	204.0	140.0	6.0	600,450	701,147	779,748	14,295	794,043
Pennsylvania	366.0	202.2	98.0	7.8	491,245	572,211	598,944	27,090	626,034
Rhode Island	1.4	1.0	0.2	0.1	1,314	1,489	1,839	260	2,099
South Carolina	126.3	15.7	8.0	2.0	155,015	127,433	131,858	2,343	134,201
South Dakota	1,757.0	460.0	625.0	1.0	1,519,985	1,909,284	2,435,340	12,882	2,448,222
Tennessee	485.0	304.0	33.0	3.0	547,920	516,055	537,227	10,278	547,505
Texas	5,325.0	252.5	2,370.0	7.5	6,110,726	7,242,998	8,470,005	24,533	8,494,538
Utah	446.5	36.0	120.0	1.5	320,640	357,901	515,192	7,376	522,568
Vermont	35.1	61.2	4.2	0.9	51,014	61,405	59,040	5,275	64,315
Virginia	334.5	225.5	10.5	3.5	466,446	435,616	415,628	6,719	422,347
Washington	533.0	6.0	156.0	6.0	638,350	704,488	830,161	12,058	842,219
West Virginia	108.0	77.5	20.0	1.5	146,234	172,920	169,923	5,717	175,640
Wisconsin	905.0	402.7	143.0	5.3	1,393,843	1,608,713	1,639,375	35,644	1,675,019
Wyoming	716.0	135.5	250.0	0.5	557,082	691,598	868,455	5,063	873,518
United States ...	41,930.1	7,654.8	20,166.8	122.9	42,724,691	48,625,860	63,944,678	472,719	64,417,397

- 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, 2015–2016, and number of operations, 2012, by State and United States ¹

State	January 1 Cattle inventory		Operations with cattle ²
	2015	2016	2012
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Number</i>
Alabama	1,200.0	1,250.0	21,149
Alaska	10.0	11.0	134
Arizona	880.0	900.0	6,029
Arkansas	1,630.0	1,700.0	25,866
California	5,100.0	5,150.0	16,764
Colorado	2,550.0	2,700.0	13,970
Connecticut	47.0	49.0	1,452
Delaware	17.0	16.0	431
Florida	1,680.0	1,680.0	21,255
Georgia	1,030.0	1,100.0	17,188
Hawaii	133.0	140.0	1,314
Idaho	2,280.0	2,390.0	10,957
Illinois	1,120.0	1,180.0	16,550
Indiana	870.0	890.0	17,370
Iowa	3,850.0	3,950.0	26,827
Kansas	5,900.0	6,250.0	27,568
Kentucky	2,050.0	2,170.0	40,141
Louisiana	790.0	770.0	13,687
Maine	85.0	81.0	2,423
Maryland	185.0	190.0	3,499
Massachusetts	38.0	38.0	1,423
Michigan	1,120.0	1,140.0	13,626
Minnesota	2,320.0	2,420.0	23,702
Mississippi	900.0	940.0	15,940
Missouri	4,000.0	4,100.0	53,401
Montana	2,500.0	2,650.0	11,845
Nebraska	6,250.0	6,450.0	23,280
Nevada	430.0	435.0	1,822
New Hampshire	30.0	35.0	1,091
New Jersey	28.0	28.0	1,224
New Mexico	1,330.0	1,370.0	12,796
New York	1,440.0	1,460.0	13,559
North Carolina	800.0	800.0	19,548
North Dakota	1,640.0	1,710.0	9,868
Ohio	1,240.0	1,250.0	25,501
Oklahoma	4,550.0	4,800.0	51,043
Oregon	1,300.0	1,310.0	14,351
Pennsylvania	1,530.0	1,600.0	25,189
Rhode Island	5.0	5.0	300
South Carolina	335.0	340.0	8,121
South Dakota	3,700.0	3,900.0	15,583
Tennessee	1,720.0	1,830.0	38,826
Texas	11,700.0	11,800.0	151,362
Utah	780.0	840.0	8,625
Vermont	260.0	260.0	2,784
Virginia	1,470.0	1,490.0	23,911
Washington	1,150.0	1,150.0	11,861
West Virginia	370.0	390.0	12,067
Wisconsin	3,500.0	3,500.0	29,908
Wyoming	1,300.0	1,310.0	6,115
United States	89,143.0	91,918.0	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, 2007–2016¹

Year	Number					
	Steers	Heifers	Cows			Bulls
			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>
2007	17,285	10,207	2,497	3,178	5,675	554
2008	16,949	10,091	2,591	3,569	6,161	605
2009	16,312	9,743	2,815	3,325	6,140	570
2010	16,596	10,047	2,807	3,630	6,437	622
2011	16,539	9,726	2,914	3,798	6,712	579
2012	16,160	9,269	3,102	3,344	6,446	551
2013	16,003	9,132	3,125	3,130	6,255	557
2014	15,378	8,377	2,816	2,565	5,380	548
2015	15,331	7,351	2,915	2,236	5,151	462
2016	16,495	7,698	2,886	2,543	5,428	494

Year	Percentage of total					
	Steers	Heifers	Cows			Bulls
			Dairy cows	Other cows	Total cows	
<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
2007	51.3	30.3	7.4	9.4	16.8	1.6
2008	50.1	29.9	7.7	10.6	18.2	1.8
2009	49.8	29.7	8.6	10.1	18.7	1.7
2010	49.2	29.8	8.3	10.8	19.1	1.8
2011	49.3	29.0	8.7	11.3	20.0	1.7
2012	49.8	28.6	9.6	10.3	19.9	1.7
2013	50.1	28.6	9.8	9.8	19.6	1.7
2014	51.8	28.2	9.5	8.6	18.1	1.8
2015	54.2	26.0	10.3	7.9	18.2	1.6
2016	54.8	25.6	9.6	8.4	18.0	1.6

¹Totals 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, 2007–2016¹

Year	Cattle					Calves
	All cattle	Steers	Heifers	Cows	Bulls	
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
2007	776	830	764	617	893	182
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

¹Excludes postmortem condemnations.
NASS, Livestock Branch, (202) 720-3570.

Table 7-19.—Beef cows: Inventory Jan 1, 2015 and 2016, and number of operations, 2012, by State and United States ¹

State	January 1 beef cow inventory		Operations with beef cows ²
	2015	2016	2012
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Number</i>
Alabama	652	673.0	19,685
Alaska	4.3	4.0	98
Arizona	175	180.0	4,851
Arkansas	863	893.0	23,385
California	590	600.0	10,925
Colorado	725	772.0	11,267
Connecticut	5	6.0	1,003
Delaware	2.5	2.5	296
Florida	906	905.0	18,433
Georgia	479	505.0	15,175
Hawaii	68.8	72.8	1,173
Idaho	461	503.0	8,336
Illinois	366	396.0	12,646
Indiana	199	196.0	11,218
Iowa	900	940.0	19,677
Kansas	1,427	1,488.0	23,272
Kentucky	997	1,021.0	33,823
Louisiana	466	442.0	12,115
Maine	11	10.0	1,354
Maryland	42	43.0	2,403
Massachusetts	5.5	6.0	849
Michigan	107	108.0	8,016
Minnesota	340	350.0	13,547
Mississippi	468	500.0	14,644
Missouri	1,851	1,902.0	46,161
Montana	1,496	1,486.0	10,598
Nebraska	1,756	1,852.0	19,313
Nevada	212	217.0	1,508
New Hampshire	3	4.5	683
New Jersey	7.5	7.5	871
New Mexico	407	415.0	11,004
New York	105	110.0	6,579
North Carolina	363	363.0	16,059
North Dakota	894	904.0	8,964
Ohio	282	284.0	16,922
Oklahoma	1,880	1,923.0	44,106
Oregon	525	524.0	11,557
Pennsylvania	150	170.0	11,880
Rhode Island	1.5	1.5	212
South Carolina	170	175.0	7,232
South Dakota	1,611	1,670.0	13,327
Tennessee	873	886.0	33,556
Texas	4,130	4,290.0	133,924
Utah	324	325.0	6,827
Vermont	12	13.0	1,295
Virginia	637	629.0	19,596
Washington	198	223.0	9,285
West Virginia	185	201.0	10,156
Wisconsin	275	270.0	13,020
Wyoming	694	704.0	5,080
United States	29,302.1	30,165.8	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, 2015–2016, and number of operations, 2012, by State and United States

State	Inventory		Value				Operations ¹
	2015	2016	Value per head		Total value		2012
			2015	2016	2015	2016	
	<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	100.00	40.0	100	90	10,000	3,600	689
Alaska	1.40	1.5	195	200	273	300	37
Arizona	132.00	115.0	100	110	13,200	12,650	509
Arkansas	166.00	142.0	90	100	14,940	14,200	752
California	95.00	89.0	125	130	11,875	11,570	1,437
Colorado	700.00	670.0	99	109	69,300	73,030	1,001
Connecticut	2.50	3.6	125	135	313	486	318
Delaware	3.00	7.0	100	110	300	770	59
Florida	16.00	18.0	100	110	1,600	1,980	1,642
Georgia	160.00	65.0	82	92	13,120	5,980	866
Hawaii	9.00	10.0	150	155	1,350	1,550	231
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	680
Illinois	5,100.00	5,100.0	99	94	504,900	479,400	2,045
Indiana	3,850.00	4,100.0	98	95	377,300	389,500	2,757
Iowa	20,900.00	22,400.0	98	91	2,048,200	2,038,400	6,266
Kansas	1,940.00	1,910.0	87	85	168,780	162,350	1,010
Kentucky	425.00	430.0	79	86	33,575	36,980	1,284
Louisiana	8.00	7.0	100	105	800	735	658
Maine	4.50	4.6	100	110	450	506	752
Maryland	21.00	21.0	100	110	2,100	2,310	333
Massachusetts	11.00	8.0	100	110	1,100	880	478
Michigan	1,120.00	1,110.0	110	97	123,200	107,670	2,198
Minnesota	8,100.00	8,300.0	110	98	891,000	813,400	3,355
Mississippi	515.00	530.0	100	105	51,500	55,650	540
Missouri	3,050.00	3,100.0	87	93	265,350	288,300	2,128
Montana	175.00	175.0	100	105	17,500	18,375	406
Nebraska	3,300.00	3,400.0	100	90	330,000	306,000	1,476
Nevada	1.00	1.2	125	130	125	156	81
New Hampshire	3.90	3.2	105	107	410	342	359
New Jersey	12.00	11.0	105	110	1,260	1,210	298
New Mexico	1.50	1.7	100	110	150	187	211
New York	76.00	46.0	87	95	6,612	4,370	1,912
North Carolina	8,900.00	9,300.0	77	79	685,300	734,700	2,217
North Dakota	137.00	146.0	100	90	13,700	13,140	218
Ohio	2,500.00	2,700.0	105	95	262,500	256,500	3,494
Oklahoma	2,110.00	2,150.0	100	106	211,000	227,900	1,947
Oregon	10.00	13.0	100	110	1,000	1,430	1,124
Pennsylvania	1,160.00	1,210.0	91	101	105,560	122,210	3,097
Rhode Island	1.50	1.6	100	110	150	176	77
South Carolina	235.00	200.0	81	91	19,035	18,200	838
South Dakota	1,360.00	1,450.0	105	94	142,800	136,300	681
Tennessee	220.00	225.0	87	86	19,140	19,350	1,297
Texas	860.00	880.0	82	100	70,520	88,000	4,905
Utah	680.00	700.0	100	105	68,000	73,500	669
Vermont	4.00	4.0	125	130	500	520	450
Virginia	270.00	250.0	80	90	21,600	22,500	1,265
Washington	(D)	(D)	(D)	(D)	(D)	(D)	934
West Virginia	5.00	4.0	100	105	500	420	725
Wisconsin	320.00	325.0	92	94	29,440	30,550	2,270
Wyoming	96.00	92.0	105	110	10,080	10,120	270
Idaho and Washington	52.00	30.0	100	107	5,200	3,215	.....
United States	68,919.30	71,500.4	96	92	6,626,607	6,591,568	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: Inventory and value, United States, Dec. 1, 2007–2016

Year	Inventory <i>Thousands</i>	Value	
		Per head <i>Dollars</i>	Total <i>1,000 dollars</i>
2007	68,177	73.00	4,986,206
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	71,525	92.00	6,591,568

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

Table 7-22.—Sows farrowing and pig crop: Number, United States 2007-2016

Year	Sows farrowing		Pig crop		
	Dec.-May <i>Thousands</i>	June-Nov. <i>Thousands</i>	Dec.-May <i>Thousands</i>	June-Nov. <i>Thousands</i>	Total <i>Thousands</i>
2007	5,935	6,312	54,266	58,608	112,874
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	64,700	125,936

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

Table 7-23.—Hogs and pigs: Number for breeding and market, United States, 2007–2016

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>
2007	63,947	6,169	19,782	17,637	11,789	9,920	57,777
2008	67,100	6,131	19,514	17,778	12,790	10,761	60,969
2009	66,709	5,968	19,224	16,832	12,604	10,847	60,742
2010	64,650	5,788	19,423	17,241	12,154	10,653	58,862
2011	65,320	5,803	19,746	17,924	12,254	10,599	59,517
2012	66,469	5,862	19,145	17,068	12,414	10,678	60,607
2013	65,188	5,884	18,254	15,801	11,491	10,166	55,713
2014	61,568	5,855	19,365	17,461	12,985	11,429	61,240
2015	67,165	5,926	19,846	17,848	13,291	11,456	63,302
2016	68,421	5,979					
Dec. 1							
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2007	68,177	6,233	19,428	17,396	12,658	11,569	61,944
2008	67,048	6,062	18,705	16,782	12,656	11,508	60,987
2009	64,687	5,850	18,864	16,519	12,199	11,152	58,837
2010	64,725	5,778	19,447	16,618	12,183	11,381	58,947
2011	66,259	5,803	19,299	16,752	12,473	11,918	60,456
2012	66,224	5,819	18,389	16,080	12,614	11,741	60,405
2013	64,775	5,757	18,801	17,366	13,000	11,671	59,018
2014	67,776	5,939	20,008	17,262	13,370	12,276	61,838
2015	68,919	6,002	20,887	18,102	13,786	12,660	62,917
2016	71,525	6,090					65,435

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

Table 7-24.—Cattle and swine: Production, 2013–2015

Country	2013	2014	2015
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
Cattle:			
Argentina	14,000	13,300	13,700
Australia	10,783	11,063	9,664
Brazil	50,185	49,600	48,220
Canada	4,516	4,606	4,400
China	48,800	47,900	49,000
European Union	29,050	29,280	29,550
India	65,000	66,000	67,000
Mexico	6,700	6,750	6,850
New Zealand	4,923	5,440	5,040
Russia	6,820	6,670	6,635
Others	14,914	14,429	10,334
Total Foreign	255,691	255,038	250,393
United States	33,730	33,900	34,300
Total	289,421	288,938	284,693
Swine:			
Belarus	5,325	4,850	5,150
Brazil	37,900	38,470	39,050
Canada	27,376	27,078	28,630
China	720,971	729,927	696,600
European Union	257,000	261,750	266,500
Japan	17,350	17,050	17,150
Korea, South	16,953	16,812	17,600
Mexico	17,800	17,600	18,000
Russia	36,000	37,000	39,760
Ukraine	9,465	9,527	9,200
Others	4,737	4,985	4,850
Total Foreign	1,150,877	1,165,049	1,142,490
United States	115,135	114,856	120,079
Total	1,266,012	1,279,905	1,262,569

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, 2007–2016

Year	Commercial			Farm	Total
	Federally inspected	Other	Total ¹		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2007	108,138	1,033	109,172	106	109,278
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

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, 2015–2016

State	Sows farrowing							
	December ¹ –February		March–May		June–August		September–November	
	2015	2016	2015	2016	2015	2016	2015	2016
	<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	69	75	70	77	71	78	70	74
Illinois	245	250	230	255	260	260	235	260
Indiana	140	140	130	131	145	145	135	140
Iowa	510	500	495	500	510	510	530	560
Kansas	88	90	84	85	90	89	86	82
Michigan	52	51	50	48	52	50	51	49
Minnesota	285	275	275	285	305	310	285	300
Missouri	205	195	200	205	215	215	195	210
Nebraska	170	175	170	185	180	185	180	180
North Carolina ..	445	460	445	475	470	485	450	460
Ohio	88	91	89	88	92	92	91	96
Oklahoma	195	200	195	200	195	200	195	195
Pennsylvania	46	49	49	51	49	48	46	50
South Dakota ...	85	96	86	94	91	97	91	100
Texas	43	47	50	46	49	43	47	48
Utah	35	39	41	41	43	39	39	38
Other States ² ...	194	194	195	202	200	209	203	204
United States ³	2,895	2,927	2,854	2,968	3,017	3,057	2,929	3,046

State	Pig crop							
	December ¹ –February		March–May		June–August		September–November	
	2015	2016	2015	2016	2015	2016	2015	2016
	<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	676	731	700	785	717	788	697	770
Illinois	2,499	2,588	2,415	2,652	2,639	2,743	2,432	2,756
Indiana	1,414	1,428	1,365	1,362	1,537	1,537	1,404	1,442
Iowa	5,457	5,350	5,247	5,450	5,508	5,610	5,830	6,104
Kansas	880	918	836	893	927	935	894	869
Michigan	546	541	535	504	572	525	546	519
Minnesota	3,135	3,053	3,039	3,149	3,401	3,441	3,164	3,360
Missouri	2,009	1,882	2,080	2,040	2,118	2,172	2,028	2,195
Nebraska	1,870	1,978	1,904	2,109	1,998	2,100	2,007	2,088
North Carolina ..	4,228	4,554	4,139	4,869	4,559	4,947	4,568	4,738
Ohio	920	919	943	924	966	975	956	1,008
Oklahoma	1,979	2,060	2,018	2,060	2,028	2,130	2,028	2,057
Pennsylvania	469	500	505	525	510	502	478	525
South Dakota ...	918	1,032	942	1,011	987	1,043	987	1,090
Texas	389	376	475	361	441	419	442	475
Utah	305	339	402	385	413	371	371	342
Other States ² ...	1,933	1,890	2,048	2,018	2,022	2,093	2,016	2,031
United States ³	29,627	30,139	29,593	31,097	31,343	32,331	30,848	32,369

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, 2007–2016

Year	Mar- ketings ¹	Inshipments ²	Farm slaugh- ter ³	Production (live weight) ⁴	Value of produc- tion ⁵	Cash receipts ⁶	Value of home consump- tion	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
2007 ...	137,519	39,433	106	29,606,420	13,468,332	14,750,490	32,148	14,782,638	46.60
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

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, 2007–2016

Year	All receipts (live and carcass basis)			
	National	Iowa/ Southern Minnesota ¹	Western Region	Eastern Region
	Thousands	Thousands	Thousands	Thousands
2007	78,475	41,446	49,929	25,740
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

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, 2007–2016

Year	Hog-corn price ratio ¹	Price of corn per bushel ²
		Dollars
2007	13.8	3.39
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

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, 2016

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	340.0	112.0	1.0	39,666	21,421	28,898	270	29,168
Alaska	3.1	1.9	0.7	842	424	416	86	502
Arizona	341.0	7.0	1.0	83,001	46,269	47,515	285	47,800
Arkansas	1,323.0	20.0	1.0	75,126	57,937	63,915	370	64,285
California	180.0	147.0	4.0	35,329	15,401	23,715	635	24,350
Colorado	3,128.0	150.0	2.0	232,686	174,978	182,735	289	183,024
Connecticut	2.8	0.7	0.2	706	339	267	99	366
Delaware	7.3	1.0	0.1	2,814	1,391	1,000	47	1,047
Florida	26.8	6.0	1.0	3,405	1,691	1,753	89	1,842
Georgia	789.5	207.0	1.5	108,501	54,138	65,190	470	65,660
Hawaii	13.3	6.0	3.5	4,028	2,065	1,643	624	2,267
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	12,552.7	2,366.7	3.0	2,121,659	1,134,027	1,213,180	748	1,213,928
Indiana	8,537.0	3,400.0	2.0	1,965,641	916,291	1,013,493	763	1,014,256
Iowa	48,200.0	30,500.0	4.0	12,388,163	5,515,980	6,351,049	1,874	6,352,923
Kansas	3,604.0	364.0	1.0	904,024	441,356	466,118	409	466,527
Kentucky	879.0	45.0	3.0	192,240	99,096	103,243	1,271	104,514
Louisiana	6.7	2.0	1.0	1,391	690	665	102	767
Maine	5.9	0.2	0.1	1,556	816	732	106	838
Maryland	53.2	12.3	0.1	9,882	5,012	6,058	114	6,172
Massachusetts	22.5	2.5	0.1	3,871	1,917	2,223	92	2,315
Michigan	2,327.0	300.0	2.0	593,135	297,053	308,100	531	308,631
Minnesota	19,614.0	8,050.0	4.0	4,239,292	1,973,821	2,276,551	1,529	2,278,080
Mississippi	1,066.0	4.0	4.0	166,775	89,673	89,022	618	89,640
Missouri	9,401.2	1,679.2	2.0	1,627,848	830,776	882,619	1,023	883,642
Montana	508.0	10.0	2.0	79,920	48,607	49,389	414	49,803
Nebraska	8,100.0	413.0	3.0	1,325,983	719,969	733,512	1,316	734,828
Nevada	3.8	2.1	0.1	843	371	494	28	522
New Hampshire	4.9	1.4	0.2	1,138	541	622	56	678
New Jersey	15.2	9.0	0.3	1,110	252	685	145	830
New Mexico	4.1	2.0	0.2	634	303	374	51	425
New York	127.0	17.0	0.9	21,798	10,821	12,643	1,084	13,727
North Carolina	17,499.0	657.0	1.0	4,146,614	2,073,594	2,103,444	604	2,104,048
North Dakota	875.0	133.0	0.5	44,038	36,775	50,055	134	50,189
Ohio	4,324.0	900.0	9.0	1,138,351	557,866	582,775	2,814	585,589
Oklahoma	8,295.0	460.0	2.0	1,680,777	822,713	831,152	437	831,589
Oregon	16.2	2.0	1.0	4,623	2,556	2,035	268	2,303
Pennsylvania	2,042.5	238.3	2.8	500,629	251,164	261,057	811	261,868
Rhode Island	1.9	-	0.1	429	218	192	21	213
South Carolina	289.0	97.0	1.0	50,176	24,799	28,767	856	29,623
South Dakota	4,762.0	824.0	2.0	714,486	399,837	445,667	1,329	446,996
Tennessee	547.0	136.0	2.0	143,797	69,578	73,684	775	74,459
Texas	2,132.0	762.0	6.0	369,354	183,394	191,218	2,311	193,529
Utah	1,211.5	1.0	0.5	239,149	142,295	140,876	134	141,010
Vermont	5.1	0.1	0.3	1,427	723	619	104	723
Virginia	338.5	280.0	2.0	77,968	29,448	45,009	594	45,603
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	5.1	0.2	0.8	1,342	679	552	236	788
Wisconsin	824.0	195.0	1.0	142,452	85,573	98,765	655	99,420
Wyoming	678.0	1.0	1.0	103,025	60,447	60,576	288	60,864
Idaho & Washington	94.0	29.4	2.0	19,390	10,045	12,536	574	13,110
United States ...	165,126.8	52,555.0	84.0	35,611,034	17,215,130	18,856,798	28,483	18,885,281

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹Includes custom slaughter for use on farms where produced and State outshipments, but excludes 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.

Table 7-31.—Hogs: Number slaughtered commercially, total and average live weight, by State and United States, 2016¹

State	Number slaughtered	Total live weight ²	Average live weight ²
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
Alabama	26.8	10,060	376
Alaska	2.0	522	260
Arizona	(D)	(D)	(D)
Arkansas	10.4	2,619	251
California	2,445.8	600,076	246
Colorado	20.3	4,909	242
Delaware & Maryland ...	20.2	5,245	260
Florida	49.4	6,923	141
Georgia	67.9	16,344	241
Hawaii	11.4	2,861	251
Idaho	147.7	37,894	257
Illinois	12,068.0	3,443,615	285
Indiana	8,651.9	2,392,266	277
Iowa	32,240.3	9,101,367	282
Kansas	(D)	(D)	(D)
Kentucky	(D)	(D)	(D)
Louisiana	12.2	2,613	215
Michigan	202.4	78,506	388
Minnesota	10,801.0	2,931,573	271
Mississippi	(D)	(D)	(D)
Missouri	9,138.9	2,627,942	288
Montana	18.0	3,990	222
Nebraska	7,987.1	2,234,343	280
Nevada	1.3	331	263
New England ³	36.0	9,607	267
New Jersey	101.9	10,163	100
New Mexico	2.6	695	270
New York	56.9	14,484	255
North Carolina	(D)	(D)	(D)
North Dakota	4.4	1,300	296
Ohio	1,022.2	284,834	279
Oklahoma	5,523.0	1,495,084	271
Oregon	170.0	43,673	257
Pennsylvania	3,475.1	943,542	272
South Carolina	(D)	(D)	(D)
South Dakota	(D)	(D)	(D)
Tennessee	755.2	346,126	459
Texas	304.8	76,464	251
Utah	54.4	9,919	182
Virginia	(D)	(D)	(D)
Washington	10.9	2,867	262
West Virginia	9.2	2,624	285
Wisconsin	586.1	258,579	442
Wyoming	4.5	1,205	270
United States ⁴	118,219.9	33,302,171	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. ⁴ States with no data printed are still included in US total. Data are not printed to avoid disclosing individual operations.

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

Table 7-32.—Hogs: Number slaughtered, average dressed and live weights, Federally inspected, 2007–2016 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>
2007	104,352	96.5	198	3,309	3.1	308
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

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>
2007	477	0.4	213	108,138	202	269
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

¹All weights calculated using unrounded totals. Totals and percentages based on unrounded data and may not equal sum of classes due to rounding. ²Excludes postmortem condemnations. NASS, Livestock Branch, (202) 720-3570.

Table 7-33.—Lard: Supply and disappearance, United States, 2007–2016

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>
2007	11	821	9	844	761	73	830
2008	9	874	7	894	795	81	882
2009	18	860	17	899	775	83	871
2010	30	840	15	873	780	72	847
2011	22	852	13	891	789	77	871
2012	25	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	7	951	901	42	943

ERS, Market and Trade Economics Division, Field Crops Branch, (202) 694-5300.

Table 7-34.—Lard: 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>
Mexico	18,848.5	17,691.2	16,924.5
Canada	611.5	393.4	988.1
Russia	0.0	300.7	829.4
Marshall Islands	35.5	52.9	177.9
Ireland	39.1	100.4	73.3
Micronesia	0.0	5.5	22.9
Singapore	0.0	0.0	11.5
Barbados	0.0	10.2	6.2
Leeward-Windward Islands(*)	0.0	0.0	5.8
Jamaica	0.0	4.1	4.0
Argentina	0.0	0.0	3.8
Algeria	0.0	0.0	1.5
Dominican Republic	2.4	3.8	0.7
China	0.0	3.7	0.0
El Salvador	0.8	0.0	0.0
Czech Republic	0.0	12.0	0.0
Germany(*)	4.6	0.0	0.0
Hong Kong	59.5	146.9	0.0
Japan	1,499.0	859.9	0.0
Nicaragua	17.0	7.3	0.0
Rest of World	272.2	175.7	0.0
World Total	21,390.2	19,767.7	19,049.5

(*) 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, 2007–2016

Year	Inventory <i>1,000 head</i>	Value	
		Per head	Total
		<i>Dollars</i>	<i>1,000 dollars</i>
2007	6,120	134.00	818,491
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

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

Table 7-36.—Sheep and lambs: Number by class, United States, Jan. 1, 2007–2016

Year	All sheep and lambs <i>1,000 head</i>	Breeding sheep			
		Total ¹ <i>1,000 head</i>	Replacement lambs <i>1,000 head</i>	1 year and over	
				Ewes	Rams
				<i>1,000 head</i>	<i>1,000 head</i>
2007	6,120	4,553	735	3,620	199
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

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, 2014–2016

Country	2014	2015	2016
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Australia(*)	77,487.2	78,600.4	80,948.2
New Zealand(*)	19,186.4	23,662.1	22,221.7
Canada	1,194.8	1,295.9	1,145.5
Chile	548.9	684.9	325.0
Iceland	151.9	199.3	176.7
Mexico	164.6	298.2	162.5
Finland	0.0	0.0	3.9
Uruguay	62.9	0.0	1.4
Nicaragua	0.0	4.8	0.0
World Total	98,796.8	104,745.5	104,984.9

(*) 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, 2015–2016

State	Under one year old		One year and over			
	Replacement lambs		Ewes		Rams	
	2015	2016	2015	2016	2015	2016
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
Arizona	23.0	24.0	76.0	71.0	7.0	6.0
California	45.0	45.0	275.0	265.0	10.0	10.0
Colorado	34.0	29.0	184.0	184.0	6.0	7.0
Idaho	41.0	34.0	150.0	146.0	6.0	5.0
Illinois	8.0	8.0	38.0	39.0	3.0	3.0
Indiana	6.0	7.0	34.0	33.0	3.0	3.0
Iowa	20.0	20.0	100.0	100.0	5.0	5.0
Kansas	7.0	6.0	36.0	36.0	2.0	2.0
Kentucky	6.0	7.0	30.0	33.0	2.0	2.0
Michigan	14.0	13.0	40.0	42.0	3.0	3.0
Minnesota	14.0	14.0	73.0	70.0	4.0	4.0
Missouri	12.0	13.0	58.0	60.0	4.0	3.0
Montana	35.0	45.0	153.0	159.0	6.0	6.0
Nebraska	10.0	9.0	55.0	55.0	3.0	3.0
Nevada	9.0	7.0	48.0	40.0	2.0	2.0
New England ¹	7.0	6.0	26.0	25.0	2.0	2.0
New Mexico	18.0	14.0	58.0	58.0	4.0	4.0
New York	12.0	15.0	51.0	50.0	3.0	3.0
North Carolina	4.0	4.0	18.0	20.0	2.0	3.0
North Dakota	8.0	7.0	42.0	44.0	2.0	2.0
Ohio	16.0	17.0	73.0	73.0	6.0	6.0
Oklahoma	7.0	6.0	31.0	29.0	3.0	2.0
Oregon	18.0	23.0	110.0	101.0	6.0	6.0
Pennsylvania	11.0	13.0	56.0	59.0	5.0	5.0
South Dakota	32.0	33.0	162.0	161.0	6.0	6.0
Tennessee	6.0	7.0	28.0	30.0	3.0	3.0
Texas	90.0	100.0	435.0	445.0	30.0	35.0
Utah	42.0	42.0	220.0	215.0	10.0	8.0
Virginia	9.0	7.0	50.0	50.0	3.0	3.0
Washington	9.0	7.0	31.0	31.0	3.0	3.0
West Virginia	4.0	5.0	22.0	24.0	1.0	1.0
Wisconsin	12.0	12.0	50.0	49.0	3.0	2.0
Wyoming	43.0	43.0	210.0	215.0	7.0	7.0
Other States ²	18.0	23.0	87.0	93.0	10.0	10.0
United States	650.0	665.0	3,110.0	3,105.0	175.0	175.0

¹New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ²Individual state estimates not available for states not shown, but are included in Other States.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-39.—Sheep and lambs: Average price per 100 pounds at San Angelo, 2007–2016¹

Year	Sheep			Slaughter lambs choice & prime			
	Good	Utility	Cull	Wooled		Shorn	
				90-110 lbs	110-130 lbs	90-110 lbs	110-130 lbs
2007	41.06	41.31	25.16	85.36	85.36	85.13	85.18
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

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, 2015–2016

State	Breeding sheep and lambs		Market sheep and lambs	
	2015	2016	2015	2016
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
Arizona	107.0	101.0	43.0	39.0
California	330.0	320.0	270.0	255.0
Colorado	220.0	220.0	200.0	215.0
Idaho	187.0	185.0	73.0	70.0
Illinois	48.0	50.0	9.0	10.0
Indiana	43.0	43.0	7.0	7.0
Iowa	125.0	125.0	50.0	50.0
Kansas	44.0	44.0	22.0	21.0
Kentucky	38.0	42.0	10.0	11.0
Michigan	55.0	58.0	21.0	24.0
Minnesota	92.0	88.0	38.0	37.0
Missouri	73.0	76.0	12.0	12.0
Montana	193.0	210.0	22.0	20.0
Nebraska	67.0	67.0	14.0	13.0
Nevada	60.0	49.0	9.0	11.0
New England ¹	34.0	33.0	9.0	9.0
New Mexico	76.0	76.0	14.0	14.0
New York	70.0	68.0	10.0	12.0
North Carolina	24.0	27.0	6.0	5.0
North Dakota	50.0	53.0	14.0	20.0
Ohio	96.0	96.0	25.0	24.0
Oklahoma	42.0	37.0	11.0	9.0
Oregon	140.0	130.0	55.0	50.0
Pennsylvania	71.0	77.0	15.0	17.0
South Dakota	200.0	200.0	55.0	65.0
Tennessee	37.0	40.0	7.0	8.0
Texas	570.0	580.0	150.0	145.0
Utah	270.0	265.0	20.0	20.0
Virginia	62.0	60.0	13.0	15.0
Washington	42.0	41.0	10.0	9.0
West Virginia	27.0	30.0	6.0	6.0
Wisconsin	65.0	63.0	12.0	13.0
Wyoming	260.0	265.0	85.0	90.0
Other States ²	117.0	126.0	28.0	29.0
United States	3,935.0	3,945.0	1,345.0	1,355.0

¹ New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ² Individual state estimates not available for states not shown, but are included in Other States. 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, 2015–2016

State	Breeding ewes 1 year & older, Jan. 1		Lambs per 100 ewes, Jan. 1		Lamb crop ¹		
	2015	2016	2015	2016	2015	2016	2016 as % of 2015
	1,000 head	1,000 head	Number	Number	1,000 head	1,000 head	Percent
Arizona	76.0	71.0	67	63	51.0	45.0	88
California	275.0	265.0	85	92	235.0	245.0	104
Colorado	184.0	184.0	109	98	200.0	180.0	90
Idaho	150.0	146.0	120	110	180.0	160.0	89
Illinois	38.0	39.0	118	118	45.0	46.0	102
Indiana	34.0	33.0	121	121	41.0	40.0	98
Iowa	100.0	100.0	124	125	124.0	125.0	101
Kansas	36.0	36.0	119	122	43.0	44.0	102
Kentucky	30.0	33.0	117	115	35.0	38.0	109
Michigan	40.0	42.0	123	119	49.0	50.0	102
Minnesota	73.0	70.0	123	129	90.0	90.0	100
Missouri	58.0	60.0	124	123	72.0	74.0	103
Montana	153.0	159.0	124	119	190.0	190.0	100
Nebraska	55.0	55.0	118	118	65.0	65.0	100
Nevada	48.0	40.0	102	105	49.0	42.0	86
New England ²	26.0	25.0	108	116	28.0	29.0	104
New Mexico	58.0	58.0	78	81	45.0	47.0	104
New York	51.0	50.0	118	120	60.0	60.0	100
North Carolina	18.0	20.0	106	95	19.0	19.0	100
North Dakota	42.0	44.0	119	116	50.0	51.0	102
Ohio	73.0	73.0	121	121	88.0	88.0	100
Oklahoma	31.0	29.0	100	114	31.0	33.0	106
Oregon	110.0	101.0	108	120	119.0	121.0	102
Pennsylvania	56.0	59.0	116	110	65.0	65.0	100
South Dakota	162.0	161.0	120	121	195.0	195.0	100
Tennessee	28.0	30.0	121	120	34.0	36.0	106
Texas	435.0	445.0	80	76	350.0	340.0	97
Utah	220.0	215.0	105	107	230.0	230.0	100
Virginia	50.0	50.0	116	116	58.0	58.0	100
Washington	31.0	31.0	110	116	34.0	36.0	106
West Virginia	22.0	24.0	114	117	25.0	28.0	112
Wisconsin	50.0	49.0	120	122	60.0	60.0	100
Wyoming	210.0	215.0	112	114	235.0	245.0	104
Other States ³	87.0	93.0	92	81	80.0	75.0	94
United States	3,110.0	3,105.0	105	105	3,275.0	3,250.0	99

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

Table 7-42.—Sheep and lambs: Receipts at selected markets, 2007–2016

Year	Sioux Falls, SD	Billings, MT	San Angelo, TX	New Holland, PA
	Thousands	Thousands	Thousands	Thousands
2007	40	58	186	108
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

AMS, Livestock & Grain Market News, (202) 720-7316.

Table 7-43.—Sheep and lambs: Number slaughtered, United States, 2007–2016

Year	Commercial			Farm	Total
	Federally inspected	Other	Total ¹		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
2007	2,529	165	2,694	85	2,779
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

¹ Totals are based on unrounded numbers.
NASS, Livestock Branch, (202) 720–3570.

Table 7-44.—Sheep and lambs: Number slaughtered commercially, total and average live weight, by State and United States, 2016 ¹

State	Number slaughtered		Total live weight	Average live weight ²
	<i>Thousands</i>		<i>1,000 pounds</i>	<i>Pounds</i>
Alabama	0.3		22	79
Alaska	0.1		15	118
Arizona	(D)		(D)	(D)
Arkansas	0.6		68	111
California	314.6		44,575	142
Colorado	829.6		133,906	162
Delaware-Maryland	39.2		3,764	96
Florida	13.3		788	59
Georgia	16.2		1,046	64
Hawaii	2.2		303	138
Idaho	2.2		274	124
Illinois	(D)		(D)	(D)
Indiana	44.7		5,025	112
Iowa	3.5		542	156
Kansas	5.3		475	89
Kentucky	18.4		2,221	121
Louisiana	4.9		383	78
Michigan	198.8		27,141	137
Minnesota	4.5		508	113
Mississippi	3.6		215	59
Missouri	9.3		905	98
Montana	5.3		652	122
Nebraska	0.9		120	129
Nevada	1.0		112	109
New England ³	35.8		3,346	93
New Jersey	136.0		10,632	78
New Mexico	7.0		1,030	148
New York	65.7		6,550	100
North Carolina	17.7		1,214	69
North Dakota	0.4		51	134
Ohio	24.8		2,928	118
Oklahoma	2.8		312	112
Oregon	35.3		4,918	139
Pennsylvania	69.3		7,329	106
South Carolina	(D)		(D)	(D)
South Dakota	3.9		621	160
Tennessee	12.0		829	69
Texas	112.7		11,805	105
Utah	22.7		3,158	139
Virginia	7.1		589	83
Washington	14.2		1,837	130
West Virginia	(D)		(D)	(D)
Wisconsin	14.8		2,036	138
Wyoming	1.4		188	133
United States	2,237.8		299,994	134

(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 7-45.—Sheep and lambs: Number slaughtered, average dressed and live weights, percentage distribution, by class, Federally inspected, 2007–2016 ¹

Year	Federally inspected								
	Lambs and yearlings			Mature sheep			Total		
	Head	Pct. of total	Avg. dressed weight ²	Head	Pct. of total	Avg. dressed weight ²	Head	Avg. dressed weight ²	Avg. live weight ²
	1,000		Pounds	1,000		Pounds	1,000	Pounds	
2007	2,413	95.4	69	116	4.6	67	2,529	69	138
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	2,009	69	137

¹ All percents and weights calculated using unrounded totals. ² Excludes postmortem condemnations. NASS, Livestock Branch, (202) 720-3570.

Table 7-46.—Sheep and lambs: Inventory Jan 1, 2015–2016, and number of operations, 2012, by State and United States ¹

State	January 1 Sheep inventory		Operations with sheep ²
	2015	2016	2012
	1,000 head	1,000 head	Number
Alabama			712
Alaska			50
Arizona	150.0	140.0	7,447
Arkansas			776
California	600.0	575.0	4,224
Colorado	420.0	435.0	1,509
Delaware			69
Florida			1,161
Georgia			688
Hawaii			353
Idaho	260.0	255.0	1,241
Illinois	57.0	60.0	1,751
Indiana	50.0	50.0	2,109
Iowa	175.0	175.0	2,904
Kansas	66.0	65.0	1,160
Kentucky	48.0	53.0	1,743
Louisiana			643
Maryland			663
Michigan	76.0	82.0	2,312
Minnesota	130.0	125.0	2,171
Mississippi			499
Missouri	85.0	88.0	2,454
Montana	215.0	230.0	1,338
Nebraska	81.0	80.0	1,464
Nevada	69.0	60.0	508
New England ³	43.0	42.0	3,566
New Jersey			819
New Mexico	90.0	90.0	3,385
New York	80.0	80.0	2,017
North Carolina	30.0	32.0	1,311
North Dakota	64.0	73.0	661
Ohio	121.0	120.0	3,568
Oklahoma	53.0	46.0	1,779
Oregon	195.0	180.0	2,753
Pennsylvania	86.0	94.0	3,590
South Carolina			549
South Dakota	255.0	265.0	1,798
Tennessee	44.0	48.0	1,476
Texas	720.0	725.0	10,674
Utah	290.0	285.0	1,755
Virginia	75.0	75.0	2,315
Washington	52.0	50.0	1,967
West Virginia	33.0	36.0	1,043
Wisconsin	77.0	76.0	2,590
Wyoming	345.0	355.0	771
Other States ⁴	145.0	155.0	
United States	5,280.0	5,300.0	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 Individual state estimates not available for states not shown, but are included in Other States. 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, 2007–2016

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>
2007	4,657	7.5	34,723	0.87	30,242
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

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>	
2007	34,723	18,334	17,077	5,245	9,025	15,527
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

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, 2007–2016¹

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>
2007	1.00	0.40	3.0	0.01	0.0	0.0
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

¹Nonrecourse Marketing Loan Program authorized by the Farm Security and Rural Investment Act of 2002, as amended, for marketing years 2002-2007, 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, 2007–2016^{1 2}

Grade	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
48's and finer:										
Finer than 58's ³	4.7	4.0	3.0	2.7	3.2	3.7	2.9	3.0	2.9	2.7
48's–58's ⁴	0.5	0.5	0.3	0.4	0.6	0.9	1.0	0.9	1.1	1.1
Total	5.2	4.6	3.3	3.1	3.8	4.6	3.9	3.9	4.0	3.8
Not Finer than 46's:										
Wool for special use ⁵	0.7	0.6	0.2	0.2	0.3	0.4	0.2	0.3	0.2	0.2
Not finer than 40's ⁶	2.6	1.8	1.5	1.1	1.2	1.2	0.9	1.3	0.8	0.4
Finer than 40's–44's ⁷	4.4	5.0	3.6	3.2	2.3	2.5	1.4	1.3	0.9	0.5
46's ⁸	1.4	1.3	0.7	0.5	0.9	0.5	1.2	0.5	1.41	1.1
Total	9.0	8.6	6.0	4.9	4.7	4.6	3.7	3.4	3.3	2.2
Miscellaneous ⁹	0	0	0	0	0	0	0	0	0	0
Grand total	14.3	13.2	9.4	8.0	8.5	9.1	7.6	7.3	7.3	6.0

¹ Natural fiber grown by sheep or lambs. ² Beginning 1989 the following Harmonized Tariff Schedule numbers are in the above 7 wool import groups: 5101.19.606060, 5101.19.6060, 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, 2007–2016¹

Country of origin	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
48's and finer:										
Argentina	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Australia	3.7	2.9	2.0	2.2	2.0	2.5	2.3	1.6	2.0	1.4
Canada	0.5	0.5	0.9	0.3	0.4	0.9	0.6	0.9	0.9	1.0
Chile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
New Zealand	0.2	0.2	0.0	0.2	0.1	0.3	0.2	0.4	0.3	0.4
South Africa	0.3	0.4	0.1	0.0	0.3	0.2	0.0	0.0	0.0	0.0
United Kingdom	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Uruguay	0.3	0.2	0.1	0.1	0.3	0.4	0.3	0.4	0.2	0.3
Other	0.1	0.3	0.2	0.2	0.4	0.2	0.5	0.6	0.6	0.7
Total	5.2	4.6	3.3	3.1	3.8	4.6	3.9	3.9	4.0	3.8
Not finer than 46's:										
Argentina	0.2	0.1	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0
Australia	0.0	0.2	0.1	0.4	1.1	0.3	0.2	0.1	0.3	0.3
Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
New Zealand	7.2	6.5	4.6	3.3	2.3	3.0	2.8	2.6	1.8	1.1
Uruguay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Africa	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.0
United Kingdom	1.4	1.4	0.5	0.3	0.7	1.0	0.5	0.4	0.3	0.2
Other	0.1	0.2	0.2	0.2	0.2	0.0	0.1	0.2	0.7	0.6
Total	9.0	8.6	6.0	4.9	4.7	4.6	3.7	3.4	3.3	2.2
Grand total	14.3	13.2	9.4	8.0	8.5	9.1	7.6	7.3	7.3	6.0

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, 2007–2016¹

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)	
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
2007	265	157	373
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

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, 2015–2016

State	Sheep		Weight per fleece		Shorn wool production	
	2015	2016	2015	2016	2015	2016
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Arizona	110.0	95.0	5.6	6.4	620	610
California	430.0	410.0	6.6	6.6	2,850	2,700
Colorado	320.0	295.0	7.5	7.5	2,410	2,200
Idaho	200.0	195.0	8.3	8.2	1,650	1,600
Illinois	44.0	33.0	7.0	6.1	310	200
Indiana	34.0	35.0	6.2	6.3	210	220
Iowa	165.0	165.0	5.5	5.5	900	900
Kansas	42.0	43.0	6.5	6.6	275	285
Kentucky	12.0	11.0	6.7	6.4	80	70
Michigan	66.0	68.0	6.0	6.0	395	405
Minnesota	120.0	127.0	6.4	6.2	770	790
Missouri	44.0	43.0	6.0	6.0	265	260
Montana	205.0	200.0	9.0	9.0	1,840	1,800
Nebraska	63.0	64.0	7.3	7.0	460	450
Nevada	47.0	48.0	9.4	8.8	440	420
New England ¹	31.0	30.0	6.5	6.7	200	200
New Mexico	82.0	89.0	7.9	7.9	645	700
New York	53.0	53.0	6.1	5.8	325	310
North Carolina	8.0	7.0	5.0	5.0	40	35
North Dakota	64.0	59.0	7.6	7.3	485	430
Ohio	81.0	79.0	6.0	5.9	490	470
Oklahoma	17.0	19.0	5.6	5.5	95	105
Oregon	152.0	142.0	6.6	6.3	1,000	900
Pennsylvania	48.0	45.0	6.6	6.9	315	310
South Dakota	239.0	230.0	7.6	7.6	1,820	1,750
Tennessee	19.0	18.0	5.5	5.6	105	100
Texas	270.0	255.0	7.2	6.7	1,950	1,700
Utah	255.0	245.0	9.4	9.4	2,390	2,300
Virginia	27.0	25.0	5.4	5.6	145	140
Washington	33.0	31.0	7.9	8.1	260	250
West Virginia	22.0	20.0	5.5	4.5	120	90
Wisconsin	51.0	51.0	7.2	6.7	365	340
Wyoming	270.0	280.0	9.2	8.6	2,480	2,400
Other States ²	51.0	50.0	6.1	6.0	310	300
United States	3,675.0	3,560.0	7.4	7.2	27,015	25,740

¹New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ²Unpublished states.

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

Table 7-53.—Wool: Price and value, by State and United States, 2015–2016

State	Price per pound		Value ¹	
	2015	2016	2015	2016
	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 dollars</i>
Arizona	1.15	1.00	713	610
California	1.55	1.50	4,418	4,050
Colorado	1.80	1.70	4,338	3,740
Idaho	1.53	1.59	2,525	2,544
Illinois	0.75	0.79	233	158
Indiana	0.75	0.50	158	110
Iowa	0.79	0.56	711	504
Kansas	0.87	0.89	239	254
Kentucky	0.80	0.90	64	63
Michigan	0.72	0.71	284	288
Minnesota	0.79	0.62	608	490
Missouri	0.73	0.88	193	229
Montana	1.90	1.90	3,496	3,420
Nebraska	0.90	0.94	414	423
Nevada	2.10	2.00	924	840
New England ²	0.80	0.85	160	170
New Mexico	1.40	1.50	903	1,050
New York	0.60	0.70	195	217
North Carolina	1.20	1.50	48	53
North Dakota	1.28	1.13	621	486
Ohio	0.74	0.53	363	249
Oklahoma	0.70	0.80	67	84
Oregon	1.73	1.38	1,730	1,242
Pennsylvania	0.60	0.60	189	186
South Dakota	1.26	1.43	2,293	2,503
Tennessee	0.84	0.90	88	90
Texas	1.64	1.75	3,198	2,975
Utah	1.70	1.80	4,063	4,140
Virginia	1.05	1.25	152	175
Washington	1.90	2.10	494	525
West Virginia	1.00	1.25	120	113
Wisconsin	0.75	0.70	274	238
Wyoming	1.80	1.90	4,464	4,560
Other States ³	1.50	1.45	465	435
United States	1.45	1.45	39,205	37,214

¹Production multiplied by marketing year average price. ²New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ³Unpublished states.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-54.—Mohair: Price-support operations, United States, 2007–2016¹

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>
2007	4.20		20.4	1.79
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

¹ Nonrecourse Marketing Loan Program authorized by the Farm Security and Rural Investment Act of 2002, as amended, for marketing years 2002-2007, 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, 2015–2016

State	Goats clipped		Average clip per goat		Production		Price per pound		Value ¹	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
	<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	29,000	30,000	4.0	4.2	115	125	1.60	1.40	184	175
California	2,000	2,000	5.0	5.0	10	10	6.00	6.00	60	60
New Mexico ...	8,000	8,000	3.8	3.8	30	30	1.40	1.20	42	36
Texas	78,000	80,000	6.2	6.4	480	510	7.10	6.00	3,408	3,060
Other States ²	22,000	21,000	5.9	6.0	130	125	2.75	2.55	358	319
United States	139,000	141,000	5.5	5.7	765	800	5.30	4.56	4,052	3,650

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, 2015–2016, and number of operations, 2012, by State and United States ¹

State	January 1 angora goats inventory		Operations with angora goats ²
	2015	2016	2012
	<i>Head</i>	<i>Head</i>	<i>Number</i>
Alabama			152
Alaska			5
Arizona	36,000	35,000	3,218
Arkansas			25
California	3,400	3,600	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	11,000	10,000	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	85,000	78,000	629
Utah			275
Virginia			169
Washington			151
Wisconsin	(NA)	(NA)	75
West Virginia			158
Wyoming			16
Other States ⁴	24,600	23,400	
United States	160,000	150,000	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. ⁴Unpublished states. NASS, Livestock Branch, (202) 720-3570.

Table 7-57.—Milk goats: Inventory Jan 1, 2015–2016, and number of operations, 2012, by State and United States ¹

State	January 1 milk goats inventory		Operations with milk goats ²
	2015	2016	2012
	<i>Head</i>	<i>Head</i>	<i>Number</i>
Alabama	3,800	3,800	359
Alaska	(NA)	(NA)	34
Arizona	(NA)	(NA)	642
Arkansas	4,400	4,600	567
California	40,000	39,000	1,416
Colorado	10,000	10,000	756
Delaware	(NA)	(NA)	24
Florida	6,400	9,500	852
Georgia	4,000	3,100	396
Hawaii	(NA)	(NA)	79
Idaho	3,900	3,800	435
Illinois	5,700	5,600	593
Indiana	11,500	11,500	1,123
Iowa	31,000	33,000	639
Kansas	4,200	4,200	518
Kentucky	5,700	5,000	822
Louisiana	(NA)	(NA)	234
Maryland	(NA)	(NA)	234
Michigan	11,300	11,800	1,194
Minnesota	13,500	13,500	575
Mississippi	(NA)	(NA)	234
Missouri	9,900	11,300	1,083
Montana	(NA)	(NA)	311
Nebraska	3,700	3,200	361
Nevada	(NA)	(NA)	143
New England ³	14,500	14,500	1,460
New York	13,400	12,300	1,091
North Carolina	8,000	8,100	803
Ohio	10,000	9,500	1,341
Oklahoma	6,900	6,600	929
Oregon	9,500	12,200	842
New Jersey	(NA)	(NA)	182
New Mexico	(NA)	(NA)	377
North Dakota	(NA)	(NA)	154
Pennsylvania	13,000	14,000	1,288
South Carolina	3,400	3,400	453
South Dakota	(NA)	(NA)	276
Tennessee	6,300	7,200	587
Texas	23,000	22,000	2,591
Utah	(NA)	(NA)	298
Virginia	4,500	5,700	708
Washington	7,200	8,000	934
West Virginia	(NA)	(NA)	380
Wisconsin	44,000	44,000	994
Wyoming	(NA)	(NA)	258
Other States ⁴	32,300	32,600	.....
United States	365,000	373,000	29,570

(NA) Not Available. ¹ An operation is any place having one or more head of milk 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 Unpublished states.
 NASS, Livestock Branch, (202) 720-3570.

Table 7-58.—Meat and other goats: Inventory Jan 1, 2015–2016, and number of operations, 2012, by State and United States ¹

State	January 1 meat and other goats inventory		Operations with Meat goats ²
	2015	2016	2012
	<i>Head</i>	<i>Head</i>	<i>Number</i>
Alabama	3,800	3,800	359
Alaska	(NA)	(NA)	34
Arizona	28,000	(NA)	642
Arkansas	38,000	4,600	567
California	85,000	39,000	1,416
Colorado	25,000	10,000	756
Delaware	(NA)	(NA)	24
Florida	6,400	9,500	852
Georgia	4,000	3,100	396
Hawaii	(NA)	(NA)	79
Idaho	3,900	3,800	435
Illinois	5,700	5,600	593
Indiana	11,500	11,500	1,123
Iowa	31,000	33,000	639
Kansas	4,200	4,200	518
Kentucky	5,700	5,000	822
Louisiana	(NA)	(NA)	234
Maryland	(NA)	(NA)	234
Michigan	11,300	11,800	1,194
Minnesota	13,500	13,500	575
Mississippi	(NA)	(NA)	234
Missouri	9,900	11,300	1,083
Montana	(NA)	(NA)	311
Nebraska	3,700	3,200	361
Nevada	(NA)	(NA)	143
New England ³	14,500	14,500	1,460
New Jersey	(NA)	(NA)	182
New Mexico	(NA)	(NA)	377
New York	13,400	12,300	1,091
North Carolina	8,000	8,100	803
North Dakota	(NA)	(NA)	154
Ohio	10,000	9,500	1,341
Oklahoma	6,900	6,600	929
Oregon	12,200	12,200	842
Pennsylvania	13,000	14,000	1,288
South Carolina	3,400	3,400	453
South Dakota	(NA)	(NA)	276
Tennessee	6,300	7,200	587
Texas	23,000	22,000	2,591
Utah	(NA)	(NA)	298
Virginia	4,500	5,700	708
Washington	7,200	8,000	934
West Virginia	(NA)	(NA)	380
Wisconsin	44,000	44,000	994
Wyoming	(NA)	(NA)	258
Other States ⁴	32,300	32,600	.....
United States	365,000	373,000	29,570

(NA) Not Available. ¹ An operation is any place having one or more head of meat 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 Unpublished states.
 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, 2007–2016

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>
2007	26,070	351	26,421	103	26,524
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
Pork, excluding lard					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2007	21,768	175	21,943	20	21,962
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
Veal					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2007	134	3	137	9	146
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
Lamb and Mutton					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2007	175	8	183	6	189
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
All meat, excluding lard					
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
2007	48,147	537	48,684	137	48,820
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

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, 2007–2016¹

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>
2007	1,434	9	3,141	4,585	3,052	203	968	4,223
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	2,572	7	5,092	7,670	2,947	195	1,011	4,153
2015	2,265	4	5,009	7,279	3,371	214	1,116	4,700
2016 ³	2,550	5	5,233	7,788	3,061	216	1,092	4,324

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." ³ Preliminary.

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, 2013–2015

Country	2013	2014	2015
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Beef and veal:			
Argentina	2,850	2,700	2,740
Australia	2,359	2,595	2,547
Brazil	9,675	9,723	9,425
Canada	1,049	1,099	1,050
China	6,730	6,890	6,700
European Union	7,388	7,443	7,670
India	3,800	4,100	4,100
Mexico	1,807	1,827	1,850
Pakistan	1,630	1,675	1,725
Russia	1,380	1,370	1,355
Others	9,063	9,232	8,402
Total Foreign	47,731	48,654	47,564
United States	11,751	11,076	10,861
Total	59,482	59,730	58,425
Swine:			
Brazil	3,335	3,400	3,519
Canada	1,822	1,805	1,890
China	54,930	56,710	54,870
European Union	22,359	22,540	23,350
Japan	1,309	1,264	1,254
Korea, South	1,252	1,200	1,217
Mexico	1,284	1,290	1,323
Philippines	1,340	1,353	1,370
Russia	2,400	2,510	2,615
Vietnam	2,349	2,425	2,450
Others	5,918	5,692	5,337
Total Foreign	98,298	100,189	99,195
United States	10,525	10,370	11,121
Total	108,823	110,559	110,316

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, 2014–2016

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Beef & veal, fr/ch/fz:			
Japan	206,425.4	167,314.1	203,860.8
Korea, South	111,061.6	117,025.3	167,015.9
Mexico	138,611.0	114,371.6	124,183.0
Hong Kong	138,577.5	104,691.9	95,283.7
Canada	94,819.8	82,822.0	80,258.3
Taiwan	33,712.0	35,097.9	43,896.5
Netherlands	11,824.2	12,722.5	11,531.0
Chile	9,009.8	8,319.1	8,520.3
Philippines	8,495.7	9,759.2	7,568.4
Vietnam	2,842.4	4,039.1	6,104.0
Dominican Republic	6,243.8	6,915.8	5,763.3
Indonesia	2,581.4	1,495.5	5,648.9
United Arab Emirates	4,783.8	5,189.4	5,625.3
Italy(*)	6,200.5	5,714.4	4,789.1
Guatemala	3,166.5	3,053.5	3,911.1
Bahamas, The	2,998.9	3,049.2	3,197.8
Netherlands Antilles(*)	1,886.9	1,943.5	2,545.7
Colombia	1,389.4	1,044.4	2,366.6
Kuwait	2,699.3	3,080.7	2,279.5
Germany(*)	2,806.8	2,679.4	2,105.3
Panama	1,271.8	1,605.9	1,980.8
Singapore	1,440.0	2,261.9	1,762.1
Jamaica	1,808.4	1,649.4	1,708.0
Costa Rica	786.9	1,522.0	1,698.4
Rest of World	16,567.3	18,328.8	19,728.8
World Total	812,011.1	715,696.4	813,332.6
Beef & veal, prep/pres:			
Canada	32,868.8	30,777.0	25,229.5
Hong Kong	7,992.8	7,359.0	5,887.8
Mexico	1,435.1	808.0	695.1
Australia(*)	690.9	278.3	340.3
Trinidad and Tobago	53.5	65.0	313.3
Chile	56.4	90.6	187.0
Netherlands	46.7	67.3	175.0
United Arab Emirates	93.0	131.0	143.7
Philippines	134.8	205.4	139.6
Guatemala	216.6	92.7	121.1
Kuwait	23.2	68.1	88.1
Netherlands Antilles(*)	281.7	80.1	87.9
Dominican Republic	91.6	48.7	76.9
Germany(*)	932.3	498.1	76.6
Brazil	55.4	34.8	62.4
Panama	1,003.3	31.1	57.5
Italy(*)	0.0	16.2	57.0
New Zealand(*)	53.4	115.5	56.6
Qatar	29.7	44.0	53.9
Japan	0.0	0.4	51.0
Korea, South	23.8	0.4	48.9
Jamaica	17.4	17.8	41.7
Bahamas, The	137.4	155.0	38.8
Leeward-Windward Islands(*)	20.9	56.5	35.6
Rest of World	715.0	401.9	282.8
World Total	46,973.6	41,442.8	34,348.3

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Pork, fr/ch/fz:			
Mexico	475,400.9	530,426.3	553,076.5
Japan	443,699.9	381,944.2	361,498.8
China	107,827.0	97,136.3	177,538.2
Korea, South	118,881.2	153,286.0	122,674.0
Canada	104,521.5	100,205.8	98,301.7
Australia(*)	44,769.4	49,765.5	56,132.5
Hong Kong	40,179.1	42,331.9	47,461.8
Colombia	41,511.8	35,841.1	39,847.4
Honduras	15,827.2	20,324.2	24,369.7
Dominican Republic	15,313.5	20,755.4	22,449.1
Philippines	22,222.5	15,046.0	17,171.2
Chile	13,897.8	12,126.0	14,411.8
Guatemala	9,583.6	11,534.7	12,391.2
Panama	5,198.6	6,656.3	7,859.0
Taiwan	8,395.5	12,282.7	5,922.2
New Zealand(*)	5,539.1	4,387.1	4,956.7
Bahamas, The	3,383.7	3,623.0	4,603.6
Nicaragua	1,295.7	2,268.5	3,997.8
Costa Rica	3,411.4	3,191.0	3,893.3
El Salvador	3,236.7	2,608.1	3,637.9
Rest of World	61,018.6	20,659.5	18,595.2
World Total	1,545,114.8	1,526,399.6	1,600,789.8
Pork, hams/shldrs,cured:			
Canada	19,881.2	25,677.1	27,695.2
Mexico	3,261.5	9,301.9	8,679.8
Panama	1,313.7	2,348.5	2,321.0
Australia(*)	454.9	25.4	2,053.0
Japan	2,521.9	1,287.0	1,144.4
Belize	167.4	674.3	628.2
Trinidad and Tobago	525.9	739.1	569.6
Netherlands Antilles(*)	149.3	438.5	516.0
Colombia	902.1	541.2	431.3
Bahamas, The	493.6	556.8	397.4
Philippines	201.2	345.4	238.2
Barbados	160.9	398.7	206.2
Leeward-Windward Islands(*)	82.5	270.7	159.0
Costa Rica	1.0	152.7	127.0
Guatemala	44.2	11.8	106.2
Peru	0.0	49.0	66.1
El Salvador	30.3	0.0	61.2
Haiti	77.8	82.6	61.1
Bolivia	55.4	60.8	60.8
Honduras	133.5	112.8	39.9
Rest of World	1,859.6	457.1	245.1
World Total	32,318.0	43,531.3	45,806.6

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Pork, bacon, cured:			
Mexico	13,343.1	14,817.0	13,483.1
Canada	5,796.3	7,438.2	7,794.7
Japan	1,936.9	2,068.6	2,401.1
Korea, South	2,015.0	1,825.9	1,889.5
New Zealand(*)	39.1	551.1	770.7
Australia(*)	274.9	675.4	616.0
Dominican Republic	413.2	725.6	606.4
Chile	223.6	146.4	539.5
Guatemala	492.4	436.9	477.2
Hong Kong	197.6	257.4	392.3
Costa Rica	183.9	202.1	354.6
French Pacific Islands(*)	137.2	346.3	316.9
Colombia	265.0	400.0	290.5
Panama	282.1	283.3	276.6
Singapore	157.0	182.0	242.3
Netherlands	355.4	115.5	152.3
Leeward-Windward Islands(*)	143.4	120.7	119.9
Netherlands Antilles(*)	156.3	125.1	111.4
Honduras	195.9	231.9	110.9
Bahamas, The	404.4	317.9	104.8
Rest of World	1,161.2	1,258.2	1,039.0
World Total	28,174.0	32,525.4	32,089.6
Pork, prep/pres, nt/cn:			
Canada	62,154.5	52,668.6	54,702.6
Mexico	19,789.5	20,236.5	15,353.1
Japan	1,582.2	528.1	1,318.2
Korea, South	326.9	736.7	1,138.9
Colombia	996.9	581.5	926.4
Panama	182.7	213.0	859.6
China	0.0	0.0	739.5
Australia(*)	173.0	858.7	571.1
Philippines	228.5	277.8	539.3
Hong Kong	418.5	585.4	510.8
El Salvador	35.5	8.3	263.1
Micronesia	283.7	317.2	208.8
Singapore	310.0	329.9	191.8
Dominican Republic	308.7	174.0	126.5
Netherlands Antilles(*)	261.0	106.4	121.1
Ecuador	101.0	112.9	119.7
Chile	77.7	433.6	105.9
Trinidad and Tobago	132.3	80.6	71.5
Costa Rica	156.5	69.3	64.0
Guatemala	90.4	100.1	58.2
Rest of World	830.0	553.6	409.6
World Total	88,439.7	78,972.1	78,399.6

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Pork, prep/pres, canned:			
Japan	8,728.2	11,582.9	10,684.0
Philippines	6,466.1	6,421.9	5,834.3
Canada	2,153.7	2,897.5	3,056.8
Australia(*)	2,830.3	5,165.0	3,004.2
Hong Kong	1,823.1	1,774.3	1,922.0
Korea, South	1,361.1	1,410.5	1,546.2
Panama	972.6	1,152.5	1,418.1
Dominican Republic	217.5	613.0	1,383.4
Mexico	918.6	1,304.9	730.6
New Zealand(*)	397.0	650.6	618.9
Guatemala	647.7	546.8	555.2
Singapore	294.9	256.1	539.7
Colombia	551.5	1,157.8	290.6
Costa Rica	474.6	347.4	246.2
Netherlands Antilles(*)	243.7	211.9	225.8
Taiwan	60.5	57.7	197.7
China	62.5	0.0	151.5
Trinidad and Tobago	110.7	82.3	124.8
Vietnam	68.9	89.3	109.5
Honduras	210.2	47.1	105.0
Rest of World	794.6	1,448.0	714.7
World Total	29,388.0	37,217.3	33,459.3
Lamb & mutton; fr/ch/fz:			
Mexico	1,433.0	901.3	984.1
Bermuda	5.9	8.5	131.4
Netherlands Antilles(*)	78.9	100.6	118.6
Netherlands	7.0	11.8	118.3
Bahamas, The	159.2	148.8	109.3
Canada	408.2	152.9	100.6
Leeward-Windward Islands(*)	101.5	106.3	89.9
Hong Kong	16.4	14.1	62.6
Barbados	5.8	13.8	55.1
Costa Rica	6.0	11.5	48.4
Philippines	51.6	9.5	45.0
Jordan	0.2	0.0	39.8
Vietnam	0.5	6.2	39.7
Turks and Caicos Islands	35.2	47.8	36.3
Panama	73.4	24.0	34.4
Singapore	6.0	2.8	31.8
Dominican Republic	73.2	25.1	30.0
Trinidad and Tobago	35.5	94.2	27.7
Italy(*)	5.1	6.5	24.0
United Arab Emirates	30.5	8.9	24.0
Rest of World	243.8	124.3	114.7
World Total	2,777.0	1,818.9	2,265.6

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Sausages & bologna:			
Canada	39,564.7	39,846.1	39,768.6
Japan	21,223.5	19,457.1	21,405.3
Mexico	9,540.4	11,756.1	12,129.9
Korea, South	2,793.3	3,184.3	5,006.2
Hong Kong	2,053.1	1,865.1	1,985.4
Philippines	2,141.4	2,702.7	1,668.1
Belize	887.6	967.8	1,118.6
Guatemala	618.7	752.7	805.7
Panama	684.1	671.4	702.7
United Kingdom	496.2	498.5	612.0
Bahamas, The	960.5	900.5	467.1
Singapore	318.4	320.2	364.8
Dominican Republic	249.2	254.3	350.0
Netherlands Antilles(*)	277.7	252.7	328.0
Chile	180.5	272.6	279.4
Marshall Islands	227.4	215.0	245.4
Taiwan	244.3	266.3	244.6
Netherlands	58.4	53.5	201.9
Samoa	6.5	50.8	200.2
Costa Rica	93.6	139.0	187.0
Rest of World	11,738.2	3,856.1	1,763.9
World Total	94,357.6	88,282.9	89,834.8
Other meat products, fr/ch/fz:			
Hong Kong	13.3	0.0	147.6
Leeward-Windward Islands(*)	44.8	40.7	107.0
Panama	0.8	79.1	66.6
Singapore	10.0	25.1	32.2
Iceland	0.0	0.0	16.5
Brazil	0.0	0.0	13.0
Mexico	376.6	177.9	11.6
Cayman Islands	16.4	25.1	11.2
Netherlands Antilles(*)	15.6	44.2	7.0
Vietnam	0.0	0.0	6.2
Austria	0.0	0.0	4.1
Chile	0.0	0.0	2.6
Taiwan	0.0	0.0	1.4
Barbados	5.0	0.0	1.3
United Kingdom	0.0	0.0	1.1
Costa Rica	0.0	0.0	1.0
Korea, South	0.0	0.0	1.0
Nicaragua	1.3	0.6	0.9
Dominican Republic	48.7	0.0	0.6
Turks and Caicos Islands	0.3	3.1	0.3
Rest of World	24.0	1.2	0.2
World Total	556.6	396.9	433.2

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Variety meats, beef:			
Mexico	102,510.0	110,920.7	118,290.2
Egypt	122,112.5	103,630.2	92,516.6
Japan	35,002.6	37,598.0	54,434.0
Korea, South	6,522.8	9,172.6	13,768.3
Hong Kong	8,016.7	8,875.4	11,630.7
Canada	9,856.5	11,056.0	10,779.5
Peru	12,002.0	7,107.7	5,221.9
Indonesia	3,978.2	40.2	5,134.0
South Africa	85.8	0.0	3,757.5
Gabon	5,047.9	3,276.8	3,365.7
Jamaica	2,765.3	2,521.1	2,988.8
Angola	8,776.7	2,673.1	2,569.0
Philippines	3,359.3	2,759.6	2,491.2
Chile	2,086.1	1,180.0	2,023.6
Italy(*)	0.0	7.7	1,979.8
Colombia	2,436.7	1,203.9	1,837.7
Cote d'Ivoire	2,727.9	1,034.8	1,205.1
Honduras	527.2	543.6	1,167.0
Trinidad and Tobago	505.6	626.9	853.3
Ecuador	1,064.7	485.3	543.8
Rest of World	9,060.2	6,731.3	4,697.1
World Total	338,444.8	311,445.0	341,254.8
Variety meats, pork:			
China	90,001.3	77,974.9	151,647.7
Mexico	153,165.6	133,202.7	132,038.2
Hong Kong	72,727.9	93,590.9	131,410.3
Canada	11,732.0	10,880.5	13,128.3
Japan	10,220.8	9,663.1	10,888.4
Philippines	8,670.8	13,086.5	10,602.2
Korea, South	10,411.8	9,966.6	6,633.3
Taiwan	5,234.3	6,836.3	3,060.4
Colombia	3,228.4	2,694.8	2,439.2
Guatemala	2,064.4	1,911.0	2,429.7
Chile	4,410.3	1,961.6	2,074.0
Panama	1,679.0	1,474.8	1,226.5
Dominican Republic	664.4	944.8	894.2
Haiti	2,562.8	1,684.1	720.3
Honduras	526.9	456.9	667.4
Trinidad and Tobago	464.4	537.4	521.5
South Africa	0.0	0.0	503.8
Leeward-Windward Islands(*)	345.6	499.0	502.9
Vietnam	495.5	667.1	496.0
Singapore	17,449.5	726.0	432.1
Rest of World	6,990.4	4,245.6	1,799.1
World Total	403,046.1	373,004.3	474,117.5

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Variety meats, other:			
Mexico	10,973.8	12,140.7	14,270.0
Hong Kong	3,889.6	5,539.1	5,615.9
Korea, South	1,349.9	1,752.9	2,269.0
Canada	1,486.9	1,849.3	1,260.7
China	205.9	545.9	874.6
Taiwan	284.4	899.7	763.0
Singapore	57.5	195.6	347.2
Chile	18.5	60.8	330.0
Vietnam	22.5	1.6	312.4
Peru	0.0	0.1	282.1
Japan	236.4	51.5	254.7
Denmark(*)	58.8	31.6	254.0
United Arab Emirates	5.9	4.8	190.3
Saudi Arabia	121.9	174.2	174.2
Honduras	8.8	0.5	88.3
Indonesia	0.0	0.2	85.0
Italy(*)	138.9	63.1	59.9
Netherlands Antilles(*)	26.6	52.1	55.8
Philippines	15.0	38.8	54.9
Jamaica	47.2	1.3	49.3
Rest of World	3,117.4	791.2	696.7
World Total	22,065.9	24,194.9	28,288.0

(*) 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, 2013–2015

Country	2013	2014	2015
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporters, beef and veal:			
Australia	1,593	1,851	1,854
Belarus	220	184	213
Brazil	1,849	1,909	1,705
Canada	332	378	391
European Union	244	301	303
India	1,765	2,082	1,806
Mexico	166	194	228
New Zealand	529	579	639
Paraguay	326	389	380
Uruguay	340	350	372
Others	588	605	627
Total Foreign	7,952	8,822	8,518
United States	1,174	1,167	1,035
Total	9,126	9,989	9,553
Principle importers, beef and veal:			
Canada	296	284	280
Chile	245	241	245
China	412	417	663
Egypt	195	270	360
European Union	376	372	365
Hong Kong	473	646	339
Japan	760	739	708
Korea, South	375	392	414
Malaysia	194	205	235
Russia	1,023	929	625
Others	2,096	2,066	1,814
Total Foreign	6,445	6,561	6,048
United States	1,020	1,337	1,559
Total	7,465	7,898	7,607
Principle exporters, swine:			
Australia	36	37	36
Belarus	585	556	627
Brazil	1,246	1,218	1,234
Canada	164	163	180
Chile	244	276	231
China	2,227	2,164	2,400
European Union	111	117	128
Mexico	4	25	19
Norway	7	13	36
Vietnam	40	40	40
Others	100	62	46
Total Foreign	4,764	4,671	4,977
United States	2,262	2,203	2,242
Total	7,026	6,874	7,219
Principle importers, swine:			
Australia	183	191	220
Canada	220	214	216
China	770	761	1,029
Hong Kong	399	347	397
Japan	1,223	1,332	1,269
Korea, South	388	480	599
Mexico	783	818	981
Philippines	172	199	175
Russia	868	515	407
Ukraine	98	117	116
Others	1,085	891	756
Total Foreign	6,189	5,865	6,165
United States	399	457	504
Total	6,588	6,322	6,669

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 and lard: Production and consumption, United States, 2007–2016¹

Year	Beef			Veal			Lamb and mutton		
	Production	Consumption		Production	Consumption		Production	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
2007	26,523	28,141	93.3	146	145	0.5	189	385	1.3
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	25,995	25,755	81.9	125	123	0.4	161	299	0.8
2013	25,790	25,476	80.5	117	119	0.4	161	324	0.9
2014	24,316	24,683	77.4	100	98	0.3	161	340	0.9
2015	23,760	24,773	77.1	88	88	0.3	155	357	1.0
2016 ²	25,288	25,680	79.4	81	73	0.2	155	381	1.0

Year	Pork			All meats		
	Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita
	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds
2007	21,962	19,763	65.5	48,817	48,434	160
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	49,439	44,784	143
2013	23,204	19,195	60.4	49,174	45,024	142
2014	22,858	18,836	59.1	47,344	43,957	138
2015	24,517	20,593	64.1	48,432	45,811	142
2016 ²	24,957	20,898	64.6	50,387	47,032	145

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. ² Preliminary.
 ERS, Animal Products and Cost of Production Branch, (202) 694-5409.

Table 7-66.—Hides, packer: Average price per piece, Central U.S., 2007–2016

Year	Steers				Heifers	
	Heavy native	Heavy Texas	Butt branded	Colorado branded	Heavy native	Branded
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
2007	72.01	70.51	70.72	67.79	65.70	61.85
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

AMS, Livestock & Grain Market News, (202) 720-7316.

Table 7-67.—Hides and skins: United States imports by country of origin, 2011–2013

Country of origin	2011	2012	2013
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Hides and skins, mixed:			
Canada	931,947	1,209,375	1,007,569
Mexico	196,290	240,792	432,885
China	16,484	36,891	80,638
Turkey	48,515	17,273	22,030
Brazil	4,676	36,896	15,216
Italy(*)	18,929	3,939	12,227
Belgium-Luxembourg(*)	10,002	9,951	11,367
India	4	5,658	7,134
Thailand	6,868	6,833	5,324
Argentina	333	1,432	5,115
New Zealand(*)	16,621	7,538	4,377
Germany(*)	782	17	3,088
Australia(*)	321	7,165	2,647
Pakistan	24,660	2,555	2,514
Singapore	1,659	410	2,391
Taiwan	0	0	1,800
Lebanon	900	800	1,000
Colombia	6,204	10,336	889
France(*)	931	241	786
United Kingdom	145	1,916	625
Malaysia	40	1,661	575
Uruguay	524	31	547
Guinea	1,205	200	540
Korea, South	1,539	26	421
Dominican Republic	0	0	360
Spain	3,365	1,071	343
South Africa	4,980	258	203
Cote d'Ivoire	0	1,760	200
Denmark(*)	0	6	48
Rest of World	7,734	4,634	133
World Total	1,305,658	1,609,665	1,622,992
	<i>Number</i>	<i>Number</i>	<i>Number</i>
Furskins:			
Canada	1,874,531	2,543,217	2,288,602
Netherlands	387,273	483,686	390,630
Belgium-Luxembourg(*)	263,860	75,336	190,823
Poland	16,335	35,765	190,022
Sweden	133,255	129,624	124,520
Ukraine	0	97,000	50,148
Spain	28,418	35,162	44,123
Germany(*)	34,632	167	43,623
Finland	35,487	28,613	24,441
Denmark(*)	9,308	5,373	17,145
Greece	81,799	4,539	13,955
Russia	5,969	7,666	12,375
Mexico	27,696	3,477	11,025
Italy(*)	172	2	3,358
Ireland	0	0	3,019
Bosnia and Herzegovina	1,728	1,739	1,937
Switzerland(*)	4,350	8	574
China	1,026	8,540	497
Latvia	0	4	233
United Kingdom	0	0	59
Lithuania	0	138	35
South Africa	21	38	30
Uruguay	0	0	22
United Arab Emirates	0	0	13
Namibia	6	0	8
France(*)	1,446	864	6
Hong Kong	0	746	5
Austria	0	0	4
New Zealand(*)	7	0	4
Rest of World	93,759	96,776	0
World Total	3,001,078	3,558,480	3,411,236

(*) 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, 2014–2016

Country	2014	2015	2016
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Cattle hides, whole:			
China	11,307,080	10,496,017	10,486,435
Korea, South	2,500,552	2,548,113	2,689,744
Mexico	2,105,846	1,542,102	2,046,260
Italy(*)	762,870	411,962	701,954
Taiwan	1,306,173	654,278	482,135
Thailand	230,162	286,869	304,712
Japan	382,558	152,939	166,161
Vietnam	53,702	149,408	125,578
India	23,382	52,755	108,288
Turkey	79,358	107,274	91,763
Canada	38,434	60,207	85,329
Belgium-Luxembourg(*)	22,332	5,395	79,487
Netherlands	249,725	167,471	69,470
Costa Rica	34	29,603	65,066
Indonesia	42,132	57,620	52,892
Israel(*)	67,543	44,866	52,809
Hong Kong	270,106	82,386	47,986
Bosnia and Herzegovina	1,320	16,610	45,595
Germany(*)	50,132	22,800	17,760
Spain	13,967	13,785	14,160
Rest of World	78,106	55,206	43,975
World Total	19,585,514	16,957,666	17,777,559
Sheep & lambskins:			
China	916,909	1,011,141	932,512
Mexico	143,061	196,693	14,485
Germany(*)	4,359	7,600	14,328
Bosnia and Herzegovina	0	0	9,875
Russia	70,555	42,950	5,100
Canada	6,028	5,345	4,986
India	18,750	2,380	3,547
Uruguay	0	1,101	2,870
Poland	6,550	0	1,815
Brazil	4,971	1,749	1,048
Egypt	0	0	1,041
Turkey	126,463	35,791	514
Argentina	0	0	0
Barbados	0	641	0
Bulgaria	1,790	0	0
Sri Lanka	684	0	0
Dominican Republic	0	682	0
Ethiopia(*)	0	0	0
France(*)	12,075	0	0
Guatemala	11,363	3,234	0
Rest of World	25,332	28,333	0
World Total	1,348,890	1,337,640	992,121

See footnote(s) at end of table.

Table 7-68.—Hides: U.S. trade exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Pig and hog skins, pieces:			
Taiwan	3,314,575	3,066,448	2,019,552
Mexico	2,520,208	2,293,190	1,924,492
Thailand	434,476	306,333	340,637
United Kingdom	68,353	56,000	91,000
China	68,853	46,450	56,024
Japan	6,580	3,936	9,015
Vietnam	71,699	10,279	6,910
Korea, South	182,460	17,544	4,363
Poland	7,000	1,750	3,625
Cambodia	0	11,436	0
Colombia	1,404	0	0
Hong Kong	0	29,083	0
Slovenia	77,600	28,800	0
World Total	6,753,208	5,871,249	4,455,618
	<i>Number</i>	<i>Number</i>	<i>Number</i>
Mink furskins, undressed:			
Canada	4,723,731	3,403,310	3,360,196
China	1,847,061	2,612,439	1,962,681
Korea, South	781,226	731,141	995,621
Vietnam	118,093	416,384	347,015
Denmark(*)	179,350	220,461	237,091
Finland	532,544	270,885	187,278
Cambodia	0	109,898	136,199
Greece	401,058	111,320	107,483
Hong Kong	1,259,342	1,562,898	95,255
Thailand	0	0	92,694
Netherlands	48	0	46,196
Germany(*)	373,355	47,493	43,146
Italy(*)	53,505	13,349	19,463
France(*)	25,095	9,702	6,909
United Arab Emirates	38,268	0	6,122
United Kingdom	24,181	1,962	5,242
Russia	18,407	22,499	3,227
Portugal	0	0	2,711
Poland	18,390	15,227	2,425
Austria	0	0	2,223
Rest of World	147,157	25,143	5,888
World Total	10,540,811	9,574,111	7,665,065

See footnote(s) at end of table.

Table 7-68.—Hides: U.S. trade exports, 2014–2016—Continued

Country	2014	2015	2016
	<i>Number</i>	<i>Number</i>	<i>Number</i>
Other furskins, whole:			
Canada	2,863,441	1,806,829	750,611
China	413,160	350,653	342,978
Hong Kong	39,598	81,216	142,794
Portugal	26,636	34,679	76,085
Poland	78,310	60,124	36,675
Pakistan	1,191	0	25,625
France(*)	2,910	4,634	23,732
Mexico	0	935	16,176
Korea, South	1,243,396	54,660	16,170
Cambodia	0	0	11,188
Czech Republic	37,170	14,887	9,812
Germany(*)	38,321	5,573	7,415
United Kingdom	2,523	914	5,308
Italy(*)	30,145	12,244	3,623
Taiwan	7,559	0	792
Greece	57,124	93	676
Israel(*)	145	0	80
United Arab Emirates	0	526	0
World Total	4,860,897	2,513,825	1,469,740
	<i>Pieces</i>	<i>Pieces</i>	<i>Pieces</i>
Other hides & skins, mixed:			
China	4,264,736	3,220,272	2,447,712
Korea, South	1,673,159	1,243,300	870,687
Thailand	230,509	248,159	404,508
Italy(*)	224,551	219,746	181,171
France(*)	237,381	288,753	170,128
Mexico	223,996	314,003	167,955
Singapore	96,816	98,753	120,854
Germany(*)	123,150	47,144	65,527
Taiwan	267,729	139,054	59,161
Brazil	0	1,730	46,786
Hong Kong	34,220	11,925	19,845
Vietnam	70,776	63,310	16,855
Malaysia	29,444	19,484	14,930
Canada	4,009	11,201	10,286
Japan	18,952	20,897	6,460
Haiti	27,257	20,902	5,584
India	2,401	2,316	1,436
Croatia	0	0	1,200
Portugal	0	0	417
Pakistan	19,564	17,956	340
Rest of World	92,270	19,290	838'
World Total	7,640,920	6,008,195	4,612,680

(*) 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, 2007–2016

Year	Mink farms	Pelts produced	Average marketing price	Value of mink pelts
	<i>Number</i>	<i>Number</i>	<i>Dollars</i>	<i>Dollars</i>
2007	283	2,828,200	65.70	185,812,740
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)	3,317,040	35.00	116,096,400

(NA) Not available. ¹ Due to sequestration the Mink report was suspended.
 NAASS, Livestock Branch, (202) 720-3570.

Table 7-70.—Mink pelts: Pelts produced by color class, selected States, and United States, 2016

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	113,000	(D)	17,000	12,500	(D)	175,000
Illinois	48,000	-	-	(D)	-	(D)
Iowa	45,000	-	(D)	2,300	(D)	35,000
Michigan	49,000	-	(D)	-	(D)	1,000
Minnesota	(D)	(D)	(D)	(D)	(D)	61,000
Montana	(D)	(D)	(D)	-	-	(D)
Ohio	60,000	(D)	-	(D)	(D)	(D)
Oregon	215,000	-	(D)	9,500	56,000	(D)
Pennsylvania	28,000	(D)	(D)	8,500	11,500	(D)
Utah	260,000	(D)	28,000	50,000	1,900	295,000
Washington	39,000	-	-	(D)	(D)	(D)
Wisconsin	730,000	(D)	34,000	44,000	116,000	91,000
Other States ¹	98,450	62,110	19,600	8,280	40,730	53,320
United States	1,685,450	62,110	98,600	135,080	226,130	711,320
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)	340,150
Illinois	(D)	-	-	(D)	-	81,100
Iowa	-	-	-	(D)	-	88,070
Michigan	-	(D)	(D)	6,500	-	64,500
Minnesota	-	-	(D)	27,000	(D)	204,580
Montana	-	-	-	(D)	(D)	11,900
Ohio	-	(D)	-	(D)	(D)	74,680
Oregon	-	-	(D)	-	-	308,880
Pennsylvania	(D)	(D)	(D)	(D)	(D)	67,540
Utah	(D)	(D)	(D)	(D)	(D)	768,010
Washington	-	-	-	-	-	55,080
Wisconsin	-	21,000	(D)	133,000	5,000	1,196,310
Other States ¹	103,640	11,310	54,550	33,070	3,280	56,320
United States	103,640	32,310	54,550	199,570	8,280	3,317,040

- 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, Virginia, 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.

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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
	1,000	1,000	1,000	1,000	1,000	1,000
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
	1,000	1,000	1,000	1,000	1,000	1,000
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.

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Table 7-72.—Livestock: Inventory and value, United States, Jan. 1, 2014–2016

Class of livestock and poultry	Inventory			Value					
	2014	2015	2016	Per head ¹			Total		
				2014	2015	2016	2014	2015	2016
	1,000	1,000	1,000	Dollars	Dollars	Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars
Angora goats ²	136	148	160	87.70	105	124	12,694	12,807	16,850
Cattle	88,526	89,143	91,918	1,223.00	1,584.00	91,988	108,255,950	141,211,070	129,719,760
Chickens ³	474,902	483,530	470,915	4.15	4.11	4.36	1,971,590	1,989,495	2,055,503
Hogs ³	67,776	68,299	71,5004	144	96	92	9,754,191	6,626,607	6,591,568
Sheep and lambs	5,245	5,280	5,300	188.00	214	202	984,236	1,129,447	1,075,824

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.

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Table 7-73.—Livestock: Market year for specified commodities**Cattle market year average price received: United States marketing years 2007–2016 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>
2007	47.90	95.40	119.00	89.90	1,830.00
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	160.00	119.00	1,760.00

Hog market year average price received: United States marketing years 2006–2015 ⁵

Year	Barrows and gilts	Sows	All Hogs
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2006	46.60	33.20	46.00
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	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.
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Table 7-74.—Frozen meat: Cold storage holdings, end of month, United States, 2015–2016

Month	Boneless beef		Beef cuts		Total beef	
	2015	2016	2015	2016	2015	2016
	<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	446,120	493,121	45,877	40,989	491,997	534,110
February	450,530	464,852	41,346	41,508	491,876	506,360
March	440,402	444,793	41,071	36,968	481,473	481,761
April	444,422	432,792	39,872	35,007	484,294	467,799
May	435,436	425,450	39,171	36,233	474,607	461,683
June	436,811	426,378	37,463	38,155	474,274	464,533
July	421,179	432,858	38,914	36,877	460,093	469,735
August	429,885	439,408	40,434	37,185	470,319	476,593
September ...	459,080	477,690	39,266	41,332	498,346	519,022
October	470,891	494,530	38,243	38,538	509,134	533,068
November	472,272	493,396	38,364	37,557	510,636	530,953
December	473,967	524,456	38,557	43,432	512,524	567,888

Month	Picnics		Bellies		Butts	
	2015	2016	2015	2016	2015	2016
	<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	12,811	10,705	53,507	60,698	25,104	23,288
February	19,339	11,142	67,794	61,433	35,641	25,586
March	19,582	10,420	68,297	65,028	33,656	21,925
April	16,239	11,470	70,412	72,592	25,234	19,172
May	10,867	9,914	64,805	77,683	20,177	16,340
June	8,757	7,959	44,432	62,921	22,018	15,057
July	9,680	8,022	23,634	50,733	22,876	16,197
August	11,767	8,446	13,738	32,053	20,053	15,310
September ...	10,490	8,512	10,872	25,084	18,793	18,295
October	8,816	11,294	17,853	20,386	19,648	19,351
November	10,972	8,980	41,160	18,526	18,897	21,654
December	10,634	8,321	53,392	17,986	15,029	18,075

Month	Hams					
	Bone-in		Boneless		Total	
	2015	2016	2015	2016	2015	2016
	<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	43,432	48,120	66,972	63,022	110,404	111,142
February	46,630	48,278	81,082	67,502	127,712	115,780
March	41,669	37,697	56,362	58,814	98,031	96,511
April	59,102	58,537	77,120	71,680	136,222	130,217
May	63,780	70,368	95,102	73,692	158,882	144,060
June	78,663	83,931	101,810	82,520	180,473	166,451
July	98,547	96,878	107,002	91,563	205,549	188,441
August	123,713	117,166	112,818	108,904	236,531	226,070
September ...	132,723	130,795	114,422	118,177	247,145	248,972
October	104,303	100,545	92,157	90,885	196,460	191,430
November	54,527	49,143	54,515	56,958	109,042	106,101
December	26,780	21,554	41,033	47,267	67,813	68,821

Month	Loins					
	Bone-in		Boneless		Total	
	2015	2016	2015	2016	2015	2016
	<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	16,612	16,589	23,163	30,113	39,775	46,702
February	18,456	15,114	27,428	27,621	45,884	42,735
March	14,676	17,006	27,822	30,911	42,498	47,917
April	17,013	14,451	27,621	29,085	44,634	43,536
May	14,488	11,666	24,872	27,449	39,360	39,115
June	13,668	13,012	23,740	24,886	37,408	37,898
July	11,734	11,328	22,234	22,331	33,968	33,659
August	11,125	10,635	20,274	20,642	31,399	31,277
September ...	12,059	9,535	17,953	22,393	30,012	31,928
October	10,726	11,357	18,179	24,862	28,905	36,219
November	18,477	14,633	25,556	26,180	44,033	40,813
December	17,419	14,202	28,802	24,105	46,221	38,307

See end of table.

Table 7-74.—Frozen meat: Cold storage holdings, end of month, United States, 2015–2016—Continued

Month	Ribs		Trimmings		Other frozen pork	
	2015	2016	2015	2016	2015	2016
	<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	94,863	139,914	59,328	42,138	102,072	94,920
February	106,781	143,396	67,454	39,653	105,917	94,218
March	115,372	146,135	69,262	44,865	102,269	84,913
April	113,832	138,117	64,853	40,991	107,884	82,891
May	89,290	109,997	50,740	40,686	98,086	82,116
June	73,022	85,635	47,263	34,908	101,562	75,636
July	75,533	90,139	44,202	36,172	98,703	78,476
August	72,626	75,957	42,321	33,045	109,803	85,713
September ...	85,335	83,729	39,951	35,811	106,304	86,941
October	98,871	98,916	36,666	31,773	100,310	88,655
November	117,148	109,413	36,932	35,678	91,917	83,038
December	134,777	115,590	42,655	34,096	89,434	82,495
Month	Variety meats		Unclassified pork		Total pork	
	2015	2016	2015	2016	2015	2016
	<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	41,834	47,434	55,975	48,305	595,673	625,246
February	44,124	47,461	65,417	47,544	686,063	628,948
March	45,365	50,616	78,099	45,473	672,431	613,803
April	47,153	49,429	74,620	48,905	701,083	637,320
May	45,409	48,293	77,685	47,920	655,301	616,124
June	44,251	49,172	75,339	50,842	634,525	586,479
July	48,157	49,795	70,912	46,958	633,214	598,592
August	49,939	51,973	65,583	49,111	653,760	608,955
September ...	40,126	52,397	66,902	50,634	655,930	642,303
October	43,045	47,843	52,880	53,143	603,454	599,010
November	41,313	47,403	49,501	47,207	560,915	518,813
December	43,170	47,968	42,571	43,728	545,696	475,387
Month	Veal		Lamb & mutton		Total red meat	
	2015	2016	2015	2016	2015	2016
	<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	8,289	6,899	35,206	47,111	1,131,165	1,213,366
February	9,614	7,315	36,771	40,051	1,224,324	1,182,674
March	8,159	6,674	34,250	40,648	1,196,313	1,142,886
April	6,576	6,191	37,004	39,787	1,228,957	1,151,097
May	4,676	6,482	38,360	44,816	1,172,944	1,129,105
June	3,291	8,672	35,470	39,518	1,147,560	1,099,202
July	3,850	8,759	39,064	40,979	1,136,221	1,118,065
August	4,072	8,350	41,883	36,563	1,170,034	1,130,461
September ...	5,924	11,003	41,921	32,736	1,202,121	1,205,064
October	6,172	11,770	40,742	29,439	1,159,502	1,173,287
November	6,576	7,581	44,693	21,876	1,122,820	1,079,223
December	6,235	14,426	41,452	26,140	1,105,907	1,083,841

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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, 2008–2017

Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements
	<i>Thousands</i>	<i>Thousands</i>
2008	9,257	4,415
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	9,349	4,754

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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, 2016 and 2017

State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements	
	2016	2017	2016	2017
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Alabama	7.0	7.0	3.0	4.0
Alaska	0.3	0.3	0.1	0.1
Arizona	195.0	196.0	68.0	117.0
Arkansas	7.0	6.0	3.0	3.0
California	1,770.0	1,755.0	790.0	760.0
Colorado	148.0	155.0	105.0	100.0
Connecticut	19.0	19.0	8.5	9.5
Delaware	5.0	5.0	2.1	2.2
Florida	125.0	122.0	40.0	35.0
Georgia	85.0	83.0	30.0	30.0
Hawaii	2.2	2.4	1.0	1.0
Idaho	587.0	600.0	320.0	310.0
Illinois	94.0	93.0	50.0	52.0
Indiana	184.0	185.0	80.0	80.0
Iowa	210.0	215.0	120.0	135.0
Kansas	142.0	150.0	110.0	100.0
Kentucky	59.0	57.0	50.0	40.0
Louisiana	13.0	12.0	5.0	4.0
Maine	30.0	30.0	15.0	15.0
Maryland	49.0	47.0	28.0	29.0
Massachusetts	12.0	11.5	7.0	7.0
Michigan	412.0	425.0	172.0	170.0
Minnesota	460.0	460.0	300.0	295.0
Mississippi	10.0	9.0	6.0	6.0
Missouri	88.0	88.0	45.0	45.0
Montana	14.0	14.0	8.0	9.0
Nebraska	58.0	60.0	30.0	25.0
Nevada	28.0	30.0	9.0	11.0
New Hampshire	14.0	13.5	6.0	6.0
New Jersey	7.0	6.5	3.8	3.7
New Mexico	315.0	325.0	120.0	110.0
New York	620.0	620.0	355.0	355.0
North Carolina	47.0	45.0	18.0	22.0
North Dakota	16.0	16.0	7.0	9.0
Ohio	266.0	262.0	120.0	120.0
Oklahoma	37.0	35.0	25.0	20.0
Oregon	126.0	124.0	70.0	65.0
Pennsylvania	530.0	525.0	325.0	315.0
Rhode Island	0.9	0.8	0.5	0.5
South Carolina	15.0	15.0	5.0	7.0
South Dakota	110.0	116.0	50.0	45.0
Tennessee	44.0	41.0	27.0	35.0
Texas	460.0	490.0	250.0	260.0
Utah	95.0	92.0	50.0	55.0
Vermont	131.0	129.0	55.0	56.0
Virginia	91.0	87.0	47.0	38.0
Washington	277.0	275.0	130.0	120.0
West Virginia	9.0	8.0	4.0	4.0
Wisconsin	1,280.0	1,280.0	735.0	710.0
Wyoming	6.0	6.0	5.0	3.0
United States	9,310.4	9,349.0	4,814.0	4,754.0

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Table 8-3.—Milk and milkfat production: Number of milk cows, production per cow, and total quantity produced, by State and United States, 2015 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	8.0	12,625	477	3.78	101.0	3.8
Alaska	0.3	11,667	460	3.94	3.5	0.1
Arizona	194.0	24,402	847	3.47	4,734.0	164.3
Arkansas	7.0	13,000	471	3.62	91.0	3.3
California	1,776.0	23,028	857	3.72	40,897.0	1,521.4
Colorado	146.0	25,733	926	3.60	3,757.0	135.3
Connecticut	19.0	20,842	813	3.90	396.0	15.4
Delaware	5.0	19,700	743	3.77	98.5	3.7
Florida	125.0	20,656	744	3.60	2,582.0	93.0
Georgia	83.0	21,651	782	3.61	1,797.0	64.9
Hawaii	2.2	15,909	550	3.46	35.0	1.2
Idaho	585.0	24,126	919	3.81	14,114.0	537.7
Illinois	94.0	20,149	760	3.77	1,894.0	71.4
Indiana	182.0	22,115	812	3.67	4,025.0	147.7
Iowa	211.0	22,929	869	3.79	4,838.0	183.4
Kansas	143.0	22,210	822	3.70	3,176.0	117.5
Kentucky	61.0	17,656	639	3.62	1,077.0	39.0
Louisiana	14.0	13,429	498	3.71	188.0	7.0
Maine	30.0	19,800	744	3.76	594.0	22.3
Maryland	49.0	20,061	750	3.74	983.0	36.8
Massachusetts ..	12.0	18,083	702	3.88	217.0	8.4
Michigan	408.0	25,150	920	3.66	10,261.0	375.6
Minnesota	460.0	20,570	794	3.86	9,462.0	365.2
Mississippi	11.0	15,000	563	3.75	165.0	6.2
Missouri	88.0	15,511	597	3.85	1,365.0	52.6
Montana	14.0	21,357	794	3.72	299.0	11.1
Nebraska	57.0	22,930	869	3.79	1,307.0	49.5
Nevada	29.0	23,069	824	3.57	669.0	23.9
New Hampshire ..	14.0	20,143	767	3.81	282.0	10.7
New Jersey	7.0	18,143	680	3.75	127.0	4.8
New Mexico	323.0	24,245	866	3.57	7,831.0	279.6
New York	618.0	22,806	862	3.78	14,094.0	532.8
North Carolina ..	47.0	20,957	759	3.62	985.0	35.7
North Dakota	16.0	20,750	780	3.76	332.0	12.5
Ohio	267.0	20,573	774	3.76	5,493.0	206.5
Oklahoma	39.0	18,641	679	3.64	727.0	26.5
Oregon	125.0	20,408	794	3.89	2,551.0	99.2
Pennsylvania	530.0	20,377	760	3.73	10,800.0	402.8
Rhode Island	0.9	17,667	730	4.13	15.9	0.7
South Carolina ..	15.0	17,400	679	3.90	261.0	10.2
South Dakota	106.0	22,255	892	4.01	2,359.0	94.6
Tennessee	45.0	16,489	597	3.62	742.0	26.9
Texas	463.0	22,248	863	3.88	10,301.0	399.7
Utah	96.0	23,125	863	3.73	2,220.0	82.8
Vermont	132.0	20,197	774	3.83	2,666.0	102.1
Virginia	91.0	19,462	716	3.68	1,771.0	65.2
Washington	277.0	23,848	928	3.89	6,606.0	257.0
West Virginia	9.0	15,667	578	3.69	141.0	5.2
Wisconsin	1,279.0	22,697	853	3.76	29,030.0	1,091.5
Wyoming	6.0	22,567	779	3.45	135.4	4.7
United States	9,314.0	22,396	840	3.75	208,597.0	7,813.4

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 8-4.—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	24,429	865	3.54	4,788.0	169.5
Arkansas	6.0	13,167	483	3.67	79.0	2.9
California	1,762.0	22,968	870	3.79	40,469.0	1,533.8
Colorado	151.0	25,980	948	3.65	3,923.0	143.2
Connecticut	19.0	21,474	842	3.92	408.0	16.0
Delaware	5.0	19,100	724	3.79	95.5	3.6
Florida	123.0	20,350	737	3.62	2,503.0	90.6
Georgia	84.0	21,786	780	3.58	1,830.0	65.5
Hawaii	2.4	14,542	490	3.37	34.9	1.2
Idaho	595.0	24,647	951	3.86	14,665.0	566.1
Illinois	94.0	20,245	767	3.79	1,903.0	72.1
Indiana	184.0	22,560	835	3.70	4,151.0	153.6
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	18,069	661	3.66	1,048.0	38.4
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	19,917	751	3.77	956.0	36.0
Massachusetts ..	12.0	17,917	697	3.89	215.0	8.4
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	88.0	15,602	605	3.88	1,373.0	53.3
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	785	3.57	660.0	23.6
New Hampshire ..	14.0	20,286	779	3.84	284.0	10.9
New Jersey	7.0	17,429	668	3.83	122.0	4.7
New Mexico	315.0	24,479	879	3.59	7,711.0	276.8
New York	620.0	23,815	907	3.81	14,765.0	562.5
North Carolina ..	46.0	20,978	770	3.67	965.0	35.4
North Dakota	16.0	21,563	834	3.87	345.0	13.4
Ohio	265.0	20,875	795	3.81	5,532.0	210.8
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	17,500	697	3.98	14.0	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	20,954	798	3.81	2,724.0	103.8
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	23,552	890	3.78	30,123.0	1,138.6
Wyoming	6.0	23,300	832	3.57	139.8	5.0
United States	9,328.0	22,774	863	3.79	212,436.0	8,051.0

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, 2015¹

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	100.0	100
Alaska	0.2	0.2	0.4	3.1	100
Arizona	12.0	1.0	13.0	4,721.0	100
Arkansas	1.7	0.3	2.0	89.0	100
California	28.0	4.0	32.0	40,865.0	99
Colorado	21.0	1.0	22.0	3,735.0	100
Connecticut	2.5	0.5	3.0	393.0	100
Delaware	0.9	0.1	1.0	97.5	100
Florida	5.0	1.0	6.0	2,576.0	100
Georgia	7.0	1.0	8.0	1,789.0	100
Hawaii	0.1	0.1	0.2	34.8	100
Idaho	32.0	1.0	33.0	14,081.0	100
Illinois	10.0	2.0	12.0	1,882.0	98
Indiana	23.0	4.0	27.0	3,998.0	100
Iowa	14.0	1.0	15.0	4,823.0	99
Kansas	11.0	1.0	12.0	3,164.0	100
Kentucky	6.0	1.0	7.0	1,070.0	100
Louisiana	3.0	1.0	4.0	184.0	100
Maine	3.0	1.0	4.0	590.0	100
Maryland	6.0	1.0	7.0	976.0	100
Massachusetts	1.5	0.5	2.0	215.0	100
Michigan	26.0	2.0	28.0	10,233.0	100
Minnesota	100.0	5.0	105.0	9,357.0	99
Mississippi	1.0	1.0	2.0	163.0	100
Missouri	17.0	4.0	21.0	1,344.0	97
Montana	3.0	2.0	5.0	294.0	100
Nebraska	7.5	0.5	8.0	1,299.0	100
Nevada	5.0	1.0	6.0	663.0	100
New Hampshire	1.5	0.5	2.0	280.0	100
New Jersey	1.5	0.5	2.0	125.0	100
New Mexico	39.0	3.0	42.0	7,789.0	100
New York	45.0	2.0	47.0	14,047.0	100
North Carolina	5.0	1.0	6.0	979.0	100
North Dakota	4.5	0.5	5.0	327.0	97
Ohio	20.0	5.0	25.0	5,468.0	97
Oklahoma	5.0	1.0	6.0	721.0	100
Oregon	20.0	1.0	21.0	2,530.0	100
Pennsylvania	57.0	12.0	69.0	10,731.0	100
Rhode Island	0.2	-	0.2	15.7	100
South Carolina	2.0	1.0	3.0	258.0	100
South Dakota	6.0	1.0	7.0	2,352.0	99
Tennessee	4.0	1.0	5.0	737.0	100
Texas	25.0	1.0	26.0	10,275.0	100
Utah	12.0	1.0	13.0	2,207.0	100
Vermont	14.0	2.0	16.0	2,650.0	100
Virginia	6.0	2.0	8.0	1,763.0	100
Washington	17.0	1.0	18.0	6,588.0	100
West Virginia	1.0	1.0	2.0	139.0	100
Wisconsin	244.0	15.0	259.0	28,771.0	99
Wyoming	1.3	0.2	1.5	133.9	100
United States	879.0	91.0	970.0	207,626.0	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, 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	4,775.0	100
Arkansas	1.7	0.3	2.0	77.0	100
California	27.0	4.0	31.0	40,438.0	98
Colorado	21.0	1.0	22.0	3,901.0	100
Connecticut	2.5	0.5	3.0	405.0	100
Delaware	0.9	0.1	1.0	94.5	100
Florida	5.0	1.0	6.0	2,497.0	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	1,891.0	98
Indiana	26.0	4.0	30.0	4,121.0	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	1,042.0	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	948.0	100
Massachusetts	1.5	0.5	2.0	213.0	100
Michigan	38.0	2.0	40.0	10,836.0	100
Minnesota	100.0	5.0	105.0	9,561.0	99
Mississippi	1.0	1.0	2.0	142.0	100
Missouri	17.0	4.0	21.0	1,352.0	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	282.0	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	14,713.0	100
North Carolina	4.0	1.0	5.0	960.0	100
North Dakota	4.5	0.5	5.0	340.0	97
Ohio	22.0	5.0	27.0	5,505.0	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	0.2	-	0.2	13.8	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	15.0	2.0	17.0	2,707.0	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	29,863.0	99
Wyoming	1.3	0.2	1.5	138.3	100
United States	909.0	93.0	1,002.0	211,434.0	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, 2015¹

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	100.0	19.50	5.16	19,500
Alaska	3.1	22.00	5.58	682
Arizona	4,721.0	16.00	4.61	755,360
Arkansas	89.0	18.10	5.00	16,109
California	40,865.0	15.40	4.14	6,293,210
Colorado	3,735.0	17.80	4.94	664,830
Connecticut	393.0	18.40	4.72	72,312
Delaware	97.5	17.30	4.59	16,868
Florida	2,576.0	21.30	5.92	548,688
Georgia	1,789.0	20.00	5.54	357,800
Hawaii	34.8	28.80	8.32	10,022
Idaho	14,081.0	16.70	4.38	2,351,527
Illinois	1,882.0	17.70	4.69	333,114
Indiana	3,998.0	17.20	4.69	687,656
Iowa	4,823.0	17.30	4.56	834,379
Kansas	3,164.0	16.90	4.57	534,716
Kentucky	1,070.0	18.80	5.19	201,160
Louisiana	184.0	19.00	5.12	34,960
Maine	590.0	20.20	5.37	119,180
Maryland	976.0	17.60	4.71	171,776
Massachusetts ..	215.0	18.60	4.79	39,990
Michigan	10,233.0	16.60	4.54	1,698,678
Minnesota	9,357.0	17.60	4.56	1,646,832
Mississippi	163.0	19.40	5.17	31,622
Missouri	1,344.0	18.50	4.81	248,640
Montana	294.0	14.90	4.01	43,806
Nebraska	1,299.0	17.80	4.70	231,222
Nevada	663.0	17.70	4.96	117,351
New Hampshire ..	280.0	18.50	4.86	51,800
New Jersey	125.0	17.60	4.69	22,000
New Mexico	7,789.0	16.10	4.51	1,254,029
New York	14,047.0	18.20	4.81	2,556,554
North Carolina ..	979.0	18.60	5.14	182,094
North Dakota	327.0	17.10	4.55	55,917
Ohio	5,468.0	17.90	4.76	978,772
Oklahoma	721.0	18.60	5.11	134,106
Oregon	2,530.0	18.60	4.78	470,580
Pennsylvania	10,731.0	18.50	4.96	1,985,235
Rhode Island	15.7	18.90	4.58	2,967
South Carolina ...	258.0	19.80	5.08	51,084
South Dakota	2,352.0	18.50	4.61	435,120
Tennessee	737.0	18.80	5.19	138,556
Texas	10,275.0	17.70	4.56	1,818,675
Utah	2,207.0	17.00	4.56	375,190
Vermont	2,650.0	18.60	4.86	492,900
Virginia	1,763.0	19.40	5.27	342,022
Washington	6,588.0	17.20	4.42	1,133,136
West Virginia	139.0	17.50	4.74	24,325
Wisconsin	28,771.0	17.80	4.73	5,121,238
Wyoming	133.9	18.30	5.30	24,504
United States	207,626.0	17.21	4.59	35,732,794

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, 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	4,775.0	15.10	4.27	721,025
Arkansas	77.0	16.60	4.52	12,782
California	40,438.0	15.00	3.96	6,065,700
Colorado	3,901.0	16.70	4.58	651,467
Connecticut	405.0	17.00	4.34	68,850
Delaware	94.5	17.00	4.49	16,065
Florida	2,497.0	19.60	5.41	489,412
Georgia	1,822.0	17.50	4.89	318,850
Hawaii	34.7	26.70	7.92	9,265
Idaho	14,634.0	16.10	4.17	2,356,074
Illinois	1,891.0	16.60	4.38	313,906
Indiana	4,121.0	16.20	4.38	667,602
Iowa	5,019.0	16.60	4.32	833,154
Kansas	3,315.0	16.00	4.34	530,400
Kentucky	1,042.0	17.20	4.70	179,224
Louisiana	166.0	16.70	4.49	27,722
Maine	626.0	18.70	4.95	117,062
Maryland	948.0	17.20	4.56	163,056
Massachusetts ..	213.0	17.30	4.45	36,849
Michigan	10,836.0	15.10	4.11	1,636,236
Minnesota	9,561.0	16.80	4.31	1,606,248
Mississippi	142.0	17.20	4.54	24,424
Missouri	1,352.0	16.90	4.36	228,488
Montana	290.0	13.90	3.73	40,310
Nebraska	1,392.0	16.90	4.44	235,248
Nevada	654.0	16.30	4.57	106,602
New Hampshire ..	282.0	17.40	4.53	49,068
New Jersey	120.0	16.40	4.28	19,680
New Mexico	7,668.0	15.60	4.35	1,196,208
New York	14,713.0	17.00	4.46	2,501,210
North Carolina ..	960.0	17.10	4.66	164,160
North Dakota	340.0	16.20	4.19	55,080
Ohio	5,505.0	16.80	4.41	924,840
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	13.8	17.20	4.32	2,374
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	16.00	4.21	332,960
Vermont	2,707.0	17.30	4.54	468,311
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	29,863.0	16.80	4.44	5,016,984
Wyoming	138.3	16.70	4.68	23,096
United States	211,434.0	16.34	4.31	34,543,067

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, 2015¹

State	Used for milk, cream, & butter where produced		Gross producer income ³	Value of milk produced ^{2 4}
	Milk utilized	Value ²		
	Million pounds	1,000 Dollars	1,000 Dollars	1,000 Dollars
Alabama	0.3	59	19,559	19,695
Alaska	0.2	44	726	770
Arizona	1.0	160	755,520	757,440
Arkansas	0.3	54	16,163	16,471
California	4.0	616	6,293,826	6,298,138
Colorado	1.0	178	665,008	668,746
Connecticut	0.5	92	72,404	72,864
Delaware	0.1	17	16,885	17,041
Florida	1.0	213	548,901	549,966
Georgia	1.0	200	358,000	359,400
Hawaii	0.1	29	10,051	10,080
Idaho	1.0	167	2,351,694	2,357,038
Illinois	2.0	354	333,468	335,238
Indiana	4.0	688	688,344	692,300
Iowa	1.0	173	834,552	836,974
Kansas	1.0	169	534,885	536,744
Kentucky	1.0	188	201,348	202,476
Louisiana	1.0	190	35,150	35,720
Maine	1.0	202	119,382	119,988
Maryland	1.0	176	171,952	173,008
Massachusetts	0.5	93	40,083	40,362
Michigan	2.0	332	1,699,010	1,703,326
Minnesota	5.0	880	1,647,712	1,665,312
Mississippi	1.0	194	31,816	32,010
Missouri	4.0	740	249,380	252,525
Montana	2.0	298	44,104	44,551
Nebraska	0.5	89	231,311	232,646
Nevada	1.0	177	117,528	118,413
New Hampshire	0.5	93	51,893	52,170
New Jersey	0.5	88	22,088	22,352
New Mexico	3.0	483	1,254,512	1,260,791
New York	2.0	364	2,556,918	2,565,108
North Carolina	1.0	186	182,280	183,210
North Dakota	0.5	86	56,003	56,772
Ohio	5.0	895	979,667	983,247
Oklahoma	1.0	186	134,292	135,222
Oregon	1.0	186	470,766	474,486
Pennsylvania	12.0	2,220	1,987,455	1,998,000
Rhode Island	-	-	2,967	3,005
South Carolina	1.0	198	51,282	51,678
South Dakota	1.0	185	435,305	436,415
Tennessee	1.0	188	138,744	139,496
Texas	1.0	177	1,818,852	1,823,277
Utah	1.0	170	375,360	377,400
Vermont	2.0	372	493,272	495,876
Virginia	2.0	388	342,410	343,574
Washington	1.0	172	1,133,308	1,136,232
West Virginia	1.0	175	24,500	24,675
Wisconsin	15.0	2,670	5,123,908	5,167,340
Wyoming	0.2	37	24,541	24,778
United States	91.0	16,291	35,749,085	35,904,346

- 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, 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	721,176	722,988
Arkansas	0.3	50	12,832	13,114
California	4.0	600	6,066,300	6,070,350
Colorado	1.0	167	651,634	655,141
Connecticut	0.5	85	68,935	69,360
Delaware	0.1	17	16,082	16,235
Florida	1.0	196	489,608	490,588
Georgia	1.0	175	319,025	320,250
Hawaii	0.1	27	9,292	9,318
Idaho	1.0	161	2,356,235	2,361,065
Illinois	2.0	332	314,238	315,898
Indiana	4.0	648	668,250	672,462
Iowa	1.0	166	833,320	835,644
Kansas	1.0	160	530,560	532,640
Kentucky	1.0	172	179,396	180,256
Louisiana	1.0	167	27,889	28,223
Maine	1.0	187	117,249	117,810
Maryland	1.0	172	163,228	164,432
Massachusetts	0.5	87	36,936	37,195
Michigan	2.0	302	1,636,538	1,642,276
Minnesota	5.0	840	1,607,088	1,623,888
Mississippi	1.0	172	24,596	24,768
Missouri	4.0	676	229,164	232,037
Montana	2.0	278	40,588	41,005
Nebraska	0.5	85	235,333	236,431
Nevada	1.0	163	106,765	107,580
New Hampshire	0.5	87	49,155	49,416
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	2,501,550	2,510,050
North Carolina	1.0	171	164,331	165,015
North Dakota	0.5	81	55,161	55,890
Ohio	5.0	840	925,680	929,376
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	-	-	2,374	2,408
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	160	333,120	335,200
Vermont	2.0	346	468,657	471,252
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	5,019,672	5,060,664
Wyoming	0.2	33	23,129	23,347
United States	93.0	15,605	34,558,672	34,710,080

- 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, 2007–2016

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>
2007	1,830.00	19.22	3.68	18.31	3.99	19.21	3.68
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

(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 2007–2016

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>
2007	19.21	249	2.80
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

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, 2007–2016¹

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>
2007	10	241,000	312	49,782	114,407	45,226	39.5
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

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>
2007	20.81	19.19	63	62	6,297	452,097	22,507,219
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

¹Over 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. ²End of year. ³Average for year. ⁴Prices are weighted averages. ⁵Based 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, 2007–2016

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					
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2007	184,565	19.21	5.22	35,453,399	137	27,073	35,480,472	35,665,894
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	211,434	16.34	4.31	34,543,067	93	15,605	34,558,672	34,710,080

¹Cash receipts divided by milk or milkfat represented in combined marketings. ²Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. ³Cash receipts from marketings of milk and cream plus value of milk used for home consumption. ⁴Includes 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, 2007–2016

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>
2007	9,189	20,204	744	3.68	185,654	6,832
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	9,328	22,774	863	3.79	212,436	8,051

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, 2007–2016

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>
2007	952	137	1,089	184,565	99
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	909	93	1,002	211,434	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, 2014–2016 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>
2014						
Northeast	2,914	3.27	5,527	1.12	8,440	1.86
Appalachian	983	3.28	2,223	1.30	3,207	1.91
Southeast	1,524	3.30	2,954	1.32	4,478	1.99
Florida	1,009	3.30	1,692	1.21	2,701	1.99
Mideast	1,250	3.29	4,205	1.31	5,454	1.76
Upper Midwest	610	3.28	3,234	1.14	3,845	1.48
Central	991	3.30	3,225	1.26	4,216	1.74
Southwest	1,496	3.32	2,873	1.33	4,370	2.01
Arizona	313	3.29	778	1.26	1,092	1.85
Pacific Northwest	481	3.34	1,518	1.34	1,999	1.82
Combined areas	11,571	3.29	28,229	1.24	39,800	1.84
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

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, 2015–2016

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>
2015								
Northeast ³	19.60	17.14	11,754	26,039	8,943	34.3	6,071	3.78
Appalachian ⁴	19.75	18.57	2,156	5,646	3,871	68.6	7,218	3.67
Florida ⁵	21.75	20.90	191	2,741	2,319	84.6	40,598	3.60
Southeast ⁶	20.15	19.27	1,991	5,205	3,906	75.1	7,162	3.68
Upper Midwest ^{7 8}	18.15	15.91	10,341	30,318	3,502	11.5	7,990	3.80
Central ^{8 9}	18.35	16.13	2,951	14,476	4,803	33.2	13,451	3.76
Midwest ^{8 10}	18.35	16.24	5,622	18,376	6,279	34.2	8,965	3.72
Pacific Northwest ^{8 11}	18.25	15.67	479	6,646	1,980	29.8	37,728	3.92
Southwest ^{8 12}	19.35	17.01	538	11,891	4,293	36.1	60,906	3.73
Arizona ¹³	18.69	16.03	95	4,788	1,310	27.4	138,646	3.47
All markets combined	19.21	16.70	36,118	126,126	41,206	32.7	9,559	3.75
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	32,817	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	1,295	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

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, 2012–2016

Product	2012	2013	2014	2015	2016
	<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>
Butter	1,859,537	1,862,516	1,855,315	1,849,519	1,839,133
Cheese:					
American types	4,355,252	4,419,848	4,588,023	4,694,471	4,756,200
Cheddar	3,143,443	3,189,839	3,317,038	3,393,111	3,424,719
Other American	1,211,809	1,230,009	1,270,985	1,301,360	1,331,481
Blue and Gorgonzola	87,932	92,401	92,845	94,489	90,872
Brick	12,482	9,312	2,942	3,449	2,849
Cream and Neufchatel	807,681	842,264	851,713	876,286	908,960
Feta	109,310	103,609	105,622	112,424	126,614
Gouda	37,227	47,730	55,911	58,364	58,292
Hispanic	223,893	241,420	249,579	254,291	266,254
Italian types	4,632,825	4,735,476	4,950,235	5,081,826	5,292,643
Mozzarella	3,614,848	3,699,989	3,924,925	3,988,936	4,113,773
Parmesan	296,963	319,741	301,848	339,003	399,748
Provolone	356,079	360,069	361,088	379,316	401,413
Ricotta	247,853	241,117	245,284	243,464	252,275
Romano	48,481	45,052	45,021	55,034	52,436
Other Italian types	68,601	69,608	72,069	76,073	72,998
Muenster cheese	152,516	163,220	163,650	177,540	181,341
Swiss cheese	320,599	294,495	297,802	312,015	311,977
All other types	146,524	151,894	153,783	166,240	161,695
Total cheese ¹	10,886,241	11,101,669	11,512,105	11,831,395	12,157,697
Cottage cheese:					
Curd ²	423,900	389,396	381,146	400,634	406,427
Creamed ³	323,220	307,391	303,113	317,531	329,444
Lowfat ⁴	386,105	370,323	364,614	363,004	367,815
Sour cream	1,281,432	1,281,366	1,302,900	1,325,629	1,373,058
Yogurt plain & flavored	4,416,986	4,715,076	4,756,562	4,645,594	4,455,819
Bulk condensed milk:					
Skim, sweetened	39,635	38,190	43,593	52,935	77,158
Skim, unsweetened	1,619,260	1,623,159	1,661,446	1,672,557	1,651,146
Whole, sweetened	87,322	89,681	88,607	99,867	116,563
Whole, unsweetened	95,642	75,645	65,596	173,701	97,204
Condensed or evaporated buttermilk	81,278	94,499	109,044	105,676	105,998
Canned milk:					
Evaporated and condensed whole ⁵ ...	470,615	495,844	315,290	452,780	456,695
Evaporated skim	20,903	20,387	27,856	43,940	16,897
Dry milk products:					
Dry buttermilk, total	109,132	119,273	111,097	98,364	109,641
Dry skim milk animal	9,792	10,350	11,303	9,953	9,287
Dry whole milk	58,132	72,053	103,122	108,522	98,174
Milk protein concentrate, total	102,318	101,747	126,017	157,309	170,904
Nonfat dry milk, human	1,764,449	1,477,864	1,764,632	1,822,348	1,753,507
Skim milk powder, total ⁶	380,672	630,689	543,504	446,324	559,173
Dry whey, total	998,898	952,980	869,701	977,568	954,946
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
Ice cream, regular, total	894,033	897,363	865,753	896,688	918,643
Ice cream, lowfat, total ⁷	457,273	400,925	411,701	438,991	435,319
Ice cream, nonfat, total	17,166	14,225	18,303	13,575	12,650
Sherbet, total	43,563	46,096	48,353	44,743	41,227
Frozen yogurt, total	57,555	74,483	66,456	74,229	66,926

¹ Excluding cottage cheese. ² Mostly used for processing into creamed or lowfat cottage cheese. ³ Fat content 4 percent or more. ⁴ Fat content less than 4 percent. ⁵ Combined to avoid disclosing individual plant operations. ⁶ Includes protein standardized and blends. ⁷ Includes freezer-made milkshake.
NASS, Livestock Branch, (202) 720-3570.

Table 8-22.—Dairy Products: Factory production of specified items, by State and United States, 2015–2016

State	Butter		Total American cheese ¹		Total cheese ²	
	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
California	580,551	563,065	652,773	649,622	2,435,632	2,514,861
Idaho			611,114	604,710	941,683	954,987
Illinois					77,773	81,511
Iowa			141,959	162,831	244,487	254,212
Minnesota					679,467	657,366
New Jersey					58,778	58,082
New Mexico					769,534	776,115
New York	26,165	27,462	133,974	129,428	801,262	826,232
Ohio					211,382	215,222
Oregon			196,983	200,137		
Pennsylvania	93,537	95,604	1,014	958	408,409	402,976
South Dakota					278,343	275,634
Vermont					130,842	131,933
Wisconsin			909,749	954,615	3,069,641	3,239,035
Other States ³	1,149,266	1,153,002	2,046,905	2,053,899	1,724,162	1,769,531
United States	1,849,519	1,839,133	4,694,471	4,756,200	11,831,395	12,157,697

State	Ice cream, regular (hard)		Nonfat dry milk for human food	
	2015	2016	2015	2016
	1,000 Gallons	1,000 Gallons	1,000 Pounds	1,000 Pounds
California	126,095	118,087	702,164	567,197
Connecticut	14,383	13,259		
Missouri	25,620	29,862		
Ohio	24,690	24,766		
Oregon	12,568	13,238		
Pennsylvania	39,725	40,787	179,917	184,407
Wisconsin	18,259	18,559		
Other States ³	513,872	528,289	940,267	1,001,903
United States	775,212	786,847	1,822,348	1,753,507

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

Table 8-23.—Dairy products: Average price per pound for specified products, 2012–2016

Item and market	2012	2013	2014	2015	2016
	Dollars	Dollars	Dollars	Dollars	Dollars
Butter, Chicago Mercantile Exchange:					
Grade AA:					
High ¹	1.9525	1.7875	3.0600	3.1350	2.3675
Low ¹	1.3000	1.3600	1.5325	1.5400	1.7550
Butter, Agricultural Marketing Service, Grade AA: ²	1.5943	1.5451	2.1361	2.0670	2.0777
Cheese, Cheddar, Chicago Mercantile Exchange, Barrels:					
High ¹	2.0800	1.9700	2.4900	1.7550	1.8800
Low ¹	1.4075	1.5300	1.4200	1.4100	1.2700
Cheese, Cheddar, Chicago Mercantile Exchange, 40-lb blocks:					
High ¹	2.1200	2.0000	2.4500	1.8000	1.9425
Low ¹	1.4600	1.5500	1.5200	1.4000	1.2700
Cheese, Cheddar, Agricultural Marketing Service, Barrels: ²	1.6888	1.7683 ³	2.1376	1.6241	1.6366
Cheese, Cheddar, Agricultural Marketing Service, 40-lb blocks: ²	1.6972	1.7683 ³	2.1439	1.6389	1.5908
Nonfat dry milk, Agricultural Marketing Service:					
Low/medium heat ²	1.3279	1.7066	1.7682	0.9016	0.8292
Dry whey, Agricultural Marketing Service:					
Edible nonhygroscopic ²	0.5935	0.5902	0.6538	0.3804	0.2875

¹ Figures are the high and low prices for any trading day during the year. ² Prices used in Federal milk order price formulas. Prior to April 2012, the product prices were published by the National Agricultural Statistics Service. 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, 2015–2016¹

Month	Evaporated and condensed whole milk ²		Dry whole milk		Nonfat dry milk, human	
	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	36,002	61,001	23,237	13,065	240,226	227,633
February	42,714	75,930	18,282	11,484	237,594	217,552
March	42,917	84,501	17,651	13,044	250,654	232,111
April	52,594	84,344	25,258	14,471	248,122	252,272
May	96,400	78,752	27,788	15,338	261,473	232,158
June	102,608	84,267	25,050	15,573	262,380	230,843
July	102,950	87,952	23,211	14,011	269,974	257,109
August	107,206	84,863	19,633	12,898	231,226	234,903
September	99,109	80,836	9,383	13,698	211,689	216,093
October	72,913	59,034	6,039	14,087	180,173	223,809
November	39,624	47,856	7,404	12,176	198,959	215,134
December	43,053	41,859	11,370	13,346	204,443	225,506

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, 2006–2015¹

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
2006	1,418	1,395	4.7	9,841	9,617	32.2	732	678	2.3
2007	1,503	1,414	4.7	10,150	9,868	32.7	716	628	2.1
2008	1,693	1,516	5.0	10,162	9,799	32.1	787	712	2.3
2009	1,574	1,522	5.0	10,248	9,917	32.3	771	703	2.3
2010	1,623	1,521	4.9	10,605	10,136	32.7	718	607	2.0
2011	1,795	1,676	5.4	10,893	10,301	33.0	711	598	1.9
2012	1,829	1,730	5.5	11,123	10,461	33.3	715	627	2.0
2013	1,915	1,732	5.5	11,364	10,580	33.4	723	594	1.9
2014	1,887	1,753	5.5	11,784	10,887	34.1	537	446	1.4
2015	1,840	1,800	5.6	12,056	11,275	35.1	782	697	2.2

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
2006	4,122	4,063	13.6	60	33	0.11	1,592	951	3.2
2007	4,016	3,959	13.1	73	50	0.16	1,442	862	2.9
2008	3,949	3,893	12.8	86	29	0.09	1,812	930	3.0
2009	3,860	3,804	12.4	97	78	0.25	1,789	1,227	4.0
2010	3,689	3,618	11.7	86	64	0.21	1,864	998	3.2
2011	3,603	3,522	11.3	84	67	0.21	1,926	942	3.0
2012	3,608	3,504	11.1	79	53	0.17	2,132	1,137	3.6
2013	3,565	3,430	10.8	88	54	0.17	2,159	918	2.9
2014	3,455	3,313	10.4	101	63	0.20	2,209	997	3.1
2015	3,494	3,362	10.5	141	105	0.33	2,306	1,057	3.3

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, 2013–2015

Country	2013	2014	2015
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Australia	117	125	122
Belarus	99	105	120
Brazil	83	85	87
Canada	95	88	91
European Union	2,100	2,250	2,310
India	4,745	4,887	5,035
Mexico	190	195	195
New Zealand	535	580	570
Russia	219	252	265
Ukraine	93	115	105
Others	128	116	118
Total Foreign	8,404	8,795	9,018
United States	845	842	830
Total	9,249	9,637	9,848

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, 2013–2015

Country	2013	2014	2015
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina	556	564	570
Australia	320	320	330
Belarus	140	170	190
Brazil	722	736	751
Canada	388	396	400
European Union	9,368	9,560	9,610
Mexico	270	275	282
New Zealand	311	325	347
Russia	713	760	850
Ukraine	140	104	100
Others	73	72	68
Total Foreign	13,001	13,282	13,498
United States	5,036	5,194	5,299
Total	18,037	18,476	18,797

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, 2014–2016

Commodity and country of origin	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Licensed cheese items 1:			
New Zealand(*)	2,216	6,090	7,782
Netherlands	5,926	6,324	6,440
United Kingdom	3,751	4,519	4,912
Denmark(*)	2,250	2,011	1,919
Australia(*)	1,556	1,293	1,748
Ireland	1,638	1,954	1,514
Germany(*)	788	1,018	1,012
Canada	1,042	922	850
Jamaica	402	508	528
Italy(*)	600	396	351
France(*)	281	243	273
Dominican Republic	35	130	219
Bahrain	213	115	115
Finland	0	19	74
India	86	102	58
Poland	54	44	46
Spain	81	60	39
Mexico	94	19	33
Lithuania	48	32	28
Saudi Arabia	22	12	22
Rest of World	194	162	30
World Total	21,277	25,971	27,991
Licensed cheese items 2:			
France(*)	15,677	19,108	21,014
Italy(*)	18,430	17,889	19,181
Switzerland(*)	4,821	8,823	9,803
Norway(*)	8,865	9,353	8,444
Ireland	7,488	8,365	8,178
Denmark(*)	4,846	7,770	7,660
Netherlands	6,696	5,967	6,506
Canada	5,196	5,549	5,990
Finland	5,307	5,124	5,361
Spain	5,109	6,908	5,282
Nicaragua	1,065	3,842	4,769
Germany(*)	4,093	4,013	4,256
Mexico	4,156	3,792	4,119
United Kingdom	3,531	3,367	3,781
Australia(*)	3,677	4,283	3,123
Poland	2,431	2,514	2,548
Uruguay	2,044	3,984	2,228
Austria	1,567	1,670	2,087
Argentina	896	1,010	1,250
Belgium-Luxembourg(*)	908	1,063	1,239
Egypt	6,818	8,564	6,774
World Total	113,619	132,958	133,592
Licensed dairy, misc :			
Mexico	17,273	20,661	25,750
Canada	23,149	24,414	24,481
Netherlands	1,602	3,690	9,460
Germany(*)	1,910	1,735	7,110
Chile	3,614	4,998	6,144
New Zealand(*)	4,097	4,070	4,221
Ireland	1	1	1,569
Korea, South	920	790	1,063
Colombia	239	803	911
Australia(*)	159	714	888
Belgium-Luxembourg(*)	795	815	537
Argentina	183	447	416
Peru	382	360	406
Honduras	454	312	326
United Kingdom	287	503	320
Denmark(*)	742	252	255
United Arab Emirates	0	255	254
Italy(*)	258	349	248
France(*)	1,005	1,236	207
Singapore	34	63	158
Rest of World	2,535	538	785
World Total	59,637	67,003	85,507

See footnote(s) at end of table.

Table 8-29.—Dairy products: United States imports by country of origin, 2014–2016—Continued

Commodity and country of origin	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Non-licensed dairy, misc:			
Chile	4,556	11,617	13,940
New Zealand(*)	10,503	7,094	13,341
Peru	7,714	11,135	11,889
Canada	6,796	4,780	5,640
Mexico	14,430	5,814	4,618
France(*)	21	37	2,863
Netherlands	1,287	869	2,860
Norway(*)	1,332	2,074	2,559
Australia(*)	705	112	2,385
Germany(*)	569	801	2,068
Denmark(*)	2,623	2,905	1,920
Argentina	301	1,074	1,707
Ireland	525	891	1,706
Brazil	40	258	1,169
United Kingdom	287	535	847
Ukraine	207	202	493
Italy(*)	10	45	295
Belgium-Luxembourg(*)	292	291	257
Israel(*)	251	209	226
Honduras	0	131	164
Rest of World	317	626	710
World Total	52,764	51,499	71,656
Non-licensed cheese:			
Italy(*)	11,825	12,636	13,428
Lithuania	340	7,696	11,280
Spain	4,359	4,767	5,283
France(*)	3,176	3,439	3,567
Greece	3,333	3,262	3,290
Bulgaria	3,014	2,537	2,678
United Kingdom	603	480	989
Turkey	590	687	654
Israel(*)	671	684	630
Romania	324	621	432
Cyprus	391	342	380
El Salvador	32	183	351
Norway(*)	218	235	229
Netherlands	245	221	207
Macedonia	273	891	97
Germany(*)	28	3	67
Ireland	0	8	51
Egypt	110	74	40
Portugal	18	20	25
Switzerland(*)	0	20	20
Rest of World	333	34	52
World Total	29,882	38,839	43,750
Casein:			
New Zealand(*)	29,595	37,265	32,133
Ireland	7,289	10,226	9,707
Netherlands	16,007	7,886	9,086
Denmark(*)	1,889	2,410	3,759
Poland	2,675	3,212	3,705
France(*)	2,316	1,789	2,995
India	5,903	2,398	2,486
Germany(*)	2,442	2,726	2,135
Uganda	174	948	1,446
Argentina	3,856	3,800	874
Australia(*)	228	0	57
Canada	0	0	5
United Kingdom	21	1	5
Italy(*)	3	0	1
Belgium-Luxembourg(*)	0	0	0
Belarus	0	0	0
China	3	10	0
Estonia	78	0	0
Japan	0	0	0
Malaysia	0	0	0
Rest of World	5,006	865	0
World Total	77,484	73,536	68,393

See footnote(s) at end of table.

Table 8-29.—Dairy products: United States imports by country of origin, 2014–2016—Continued

Commodity and country of origin	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Lactose:			
Germany(*)	2,042	1,661	1,677
Netherlands	946	1,147	1,036
Canada	2,506	2,669	893
New Zealand(*)	37	90	76
France(*)	2	14	31
Belarus	22	44	22
Denmark(*)	0	0	8
Russia	1	9	7
China	7	33	7
Taiwan	0	9	6
Argentina	0	6	5
Italy(*)	0	0	5
Bosnia and Herzegovina	4	6	4
Belgium-Luxembourg(*)	1	0	3
Thailand	0	1	2
Singapore	0	0	2
Peru	0	0	1
Switzerland(*)	0	0	1
Japan	0	0	0
Egypt	5	0	0
Rest of World	67	55	0
World Total	5,639	5,744	3,786
Butter:			
Ireland	5,768	9,332	13,523
Mexico	1,663	7,332	11,683
New Zealand(*)	6,443	7,849	8,243
United Kingdom	127	275	2,652
Australia(*)	630	1,781	1,906
France(*)	2,311	3,959	1,806
Chile	18	746	1,077
Finland	33	356	687
Canada	332	440	661
Malaysia	345	163	298
Denmark(*)	152	159	184
India	267	165	174
Uruguay	0	177	171
Costa Rica	57	397	171
Honduras	0	0	163
Germany(*)	41	193	129
Poland	97	152	119
Belgium-Luxembourg(*)	39	109	118
Netherlands	120	17	75
Italy(*)	97	88	72
Rest of World	546	532	211
World Total	19,084	34,221	44,123

(*) 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, 2014–2016

Commodity and country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Condensed & evap milk:			
Mexico	12,684	9,613	6,835
Vietnam	1,411	1,005	1,918
Dominican Republic	527	883	1,642
Canada	1,210	1,120	1,053
Bahamas, The	602	731	614
Trinidad and Tobago	437	512	526
China	4,557	2,467	468
Hong Kong	715	482	388
Korea, South	800	334	374
Panama	268	227	311
Singapore	50	113	248
Honduras	84	157	223
Barbados	248	268	218
Costa Rica	22	98	179
Cayman Islands	15	90	167
Netherlands Antilles(*)	110	120	156
Malaysia	468	174	155
Nicaragua	3	65	153
Bermuda	158	171	137
Taiwan	79	102	127
Rest of World	1,740	1,907	1,238
World Total	26,186	20,640	17,130
Non-fat dry milk:			
Mexico	203,331	251,644	272,856
Philippines	70,757	63,998	82,048
Indonesia	44,830	37,192	53,860
Vietnam	34,654	33,267	27,869
Malaysia	28,421	24,298	25,485
Pakistan	5,161	23,407	22,601
China	47,499	28,908	18,296
Colombia	5,431	7,137	11,669
Peru	8,883	17,082	10,033
Chile	3,633	6,670	7,394
Egypt	10,995	7,536	6,410
Korea, South	6,915	5,733	6,179
Sri Lanka	5,163	3,527	5,928
Brazil	251	3,393	5,877
Dominican Republic	8,118	5,358	5,719
Thailand	7,108	8,349	4,666
Canada	5,553	2,854	3,799
Japan	5,698	3,874	3,609
Nigeria	822	3,019	2,688
Singapore	4,945	3,010	2,226
Rest of World	36,548	17,773	13,704
World Total	544,176	558,030	592,916

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2014–2016—Continued

Commodity and country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Dry whole milk & cream:			
Mexico	7,031	5,096	11,734
Colombia	2,649	3,044	10,665
Canada	1,273	1,336	2,761
China	4,870	1,206	2,300
El Salvador	362	463	574
Hong Kong	296	1,395	543
Vietnam	17,866	14,077	543
Egypt	153	146	490
Malaysia	2,826	454	396
Brazil	2	2	356
Panama	398	244	344
Korea, South	1,543	68	256
Japan	1,883	321	251
Afghanistan	16	8	228
Australia(*)	1,754	66	150
Trinidad and Tobago	32	71	123
Indonesia	1	5	97
Chile	326	774	89
Israel(*)	200	0	77
Sweden	0	2	73
Rest of World	10,999	5,031	446
World Total	54,479	33,807	32,494
Butter and milkfat:			
Mexico	6,416	5,131	9,410
Canada	2,822	3,683	8,888
Saudi Arabia	14,978	7,511	1,830
Korea, South	1,920	1,433	706
Taiwan	627	432	495
China	2,689	111	388
Egypt	4,820	320	309
Belize	201	329	270
Dominican Republic	575	163	223
United Arab Emirates	1,025	183	221
Panama	383	313	201
Bermuda	68	33	152
Bahamas, The	128	142	140
Jamaica	174	157	132
Peru	130	315	121
Netherlands Antilles(*)	161	83	118
Hong Kong	178	171	116
Cayman Islands	66	93	112
Morocco	8,242	19	96
Bahrain	2,894	135	95
Rest of World	23,439	2,460	1,028
World Total	71,934	23,215	25,049

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2014–2016—Continued

Commodity and country of destination	2014	2015	2016
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Ice cream:			
Mexico	24,711	17,215	16,325
Saudi Arabia	5,931	6,210	6,435
Australia(*)	3,842	4,266	4,180
United Arab Emirates	4,172	4,625	4,084
Canada	4,724	3,415	2,599
Malaysia	1,443	1,624	1,763
China	1,489	1,398	1,401
Bahamas, The	1,178	996	1,384
Trinidad and Tobago	1,277	1,495	1,252
Philippines	972	900	1,224
Korea, South	1,204	1,082	1,165
Brazil	291	933	1,076
Chile	1,102	1,420	901
Qatar	890	937	799
Singapore	738	651	777
Kuwait	1,227	1,226	755
Japan	377	746	714
Bermuda	340	416	707
Nigeria	377	595	689
Dominican Republic	622	715	635
Rest of World	7,772	8,826	8,939
World Total	64,679	59,690	57,804
Cheese and curd:			
Mexico	82,534	91,055	89,982
Korea, South	70,963	56,507	42,464
Japan	55,940	34,673	27,799
Canada	17,926	17,275	15,576
Australia(*)	14,047	13,118	13,289
Saudi Arabia	11,914	12,293	9,906
China	7,482	8,253	8,652
Egypt	7,881	7,868	7,388
Panama	15,678	10,377	6,706
Taiwan	4,415	4,864	6,306
Philippines	3,727	4,278	5,661
Chile	7,294	5,084	5,186
Dominican Republic	8,358	5,612	4,552
Morocco	2,662	2,525	2,908
Bahrain	2,991	2,706	2,632
Indonesia	2,830	3,091	2,605
Guatemala	5,164	2,827	2,487
Honduras	1,881	2,821	2,479
Hong Kong	1,881	1,890	2,236
Peru	2,056	2,391	2,103
Colombia	40,578	27,382	25,743
World Total	368,200	316,889	286,659

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2014–2016—Continued

Commodity and country of destination	2014	2015	2016
	<i>Liters</i>	<i>Liters</i>	<i>Liters</i>
Fluid milk and cream:			
Canada	34,814,264	31,179,843	39,569,899
Mexico	33,980,964	28,227,128	36,624,368
Taiwan	9,341,975	16,612,884	22,335,069
Dominican Republic	1,229,114	16,784,802	7,586,008
Vietnam	481,111	747,807	2,229,860
Hong Kong	2,915,388	3,545,092	2,032,424
Bahamas, The	1,240,253	1,312,995	1,289,063
Turks and Caicos Islands	565,222	625,512	725,809
Philippines	1,080,390	1,053,446	698,861
Cayman Islands	765,851	801,402	611,407
Chile	31,900	131,870	523,128
Peru	1,451,343	103,483	517,470
Singapore	1,201,852	360,977	438,289
Bermuda	49,322	220,658	415,101
Leeward-Windward Islands(*)	342,565	322,066	391,783
China	4,511,019	1,257,661	304,180
Malaysia	1,518,304	401,651	184,910
Korea, South	158,832	79,966	124,097
Netherlands Antilles(*)	512,734	222,507	123,911
Australia(*)	187,232	17,449	108,153
Rest of World	1,450,456	1,171,078	1,034,120
World Total	97,830,091	105,180,277	117,867,910
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Whey:			
China	183,261	154,450	207,657
Mexico	71,417	51,945	48,862
Canada	41,196	39,562	37,694
Philippines	26,065	28,413	26,117
Vietnam	20,479	13,892	23,208
Indonesia	17,657	19,778	20,180
Japan	22,140	22,570	18,844
New Zealand(*)	19,461	13,344	18,448
Malaysia	15,632	13,679	13,698
Korea, South	16,399	14,971	12,104
Thailand	9,101	8,445	10,379
Taiwan	4,545	5,596	5,979
Australia(*)	10,372	4,340	5,304
Egypt	4,224	4,349	4,962
Colombia	2,896	4,293	3,606
Singapore	6,528	4,300	2,839
Peru	2,390	2,880	2,444
Switzerland(*)	1,901	2,594	2,428
Guatemala	2,563	2,415	2,084
Burma	881	507	1,953
Rest of World	38,674	22,292	21,774
World Total	517,779	434,614	490,563
Grand Total	1,647,975	1,446,886	1,502,614

(*) 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, 2015 and 2016

State	Total layers		Total pullets		Other Chickens	
	2015	2016	2015	2016	2015	2016
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Alabama	9,267	8,922	5,763	5,151	1,004	837
Arkansas	14,141	13,853	8,230	7,597	1,129	1,090
California	12,091	11,970	4,010	3,398	15	54
Colorado	4,521	4,657	1,235	1,434	64	64
Florida	9,167	8,283	2,508	1,842	25	22
Georgia	19,317	18,787	7,739	7,978	1,060	871
Illinois	5,079	5,032	211	324	24	24
Indiana	30,353	32,047	9,849	10,027	98	67
Iowa	37,821	55,252	13,996	10,431	93	80
Kentucky	5,059	4,651	2,276	2,158	209	185
Louisiana	2,077	2,049	684	637	135	128
Maryland	2,805	2,695	949	1,156	8	8
Massachusetts	146	123	14	7	-	-
Michigan	13,249	14,193	3,704	3,937	-	3
Minnesota	9,377	10,908	3,590	2,129	37	36
Mississippi	5,600	5,436	3,663	3,720	561	656
Missouri	11,211	11,419	4,352	3,866	179	179
Montana	439	412	150	126	-	-
Nebraska	7,019	9,084	2,423	1,576	-	-
New York	5,754	5,559	1,622	1,431	9	9
North Carolina	14,869	15,143	6,987	6,947	1,089	997
Ohio	34,437	31,917	8,231	8,374	41	40
Oklahoma	2,884	2,739	1,069	1,090	184	141
Oregon	2,222	2,518	693	449	-	-
Pennsylvania	26,596	28,240	5,187	5,115	176	114
South Carolina	4,397	3,947	1,529	1,251	147	145
South Dakota	1,575	2,871	476	710	-	-
Tennessee	1,668	1,671	644	901	183	161
Texas	20,421	21,109	5,959	6,847	403	424
Utah	4,532	5,252	1,328	1,370	-	-
Vermont	122	150	4	22	1	2
Virginia	2,979	2,670	1,055	1,298	153	150
Washington	7,358	6,890	2,038	1,553	1	1
West Virginia	1,231	1,312	780	715	101	109
Wisconsin	4,894	5,615	1,437	951	35	36
Other States ²	16,978	19,229	3,729	4,725	47	43
United States	351,656	376,605	118,114	111,243	7,211	6,676

- 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, 2007–2016¹

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>
2007	346,613	103,816	8,164	458,593	2.95	1,351,549
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	376,605	111,243	6,676	494,524	4.20	2,075,417

¹ Does not include 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, 2015 and 2016 ¹

State	Number		Value per bird		Total value	
	2015	2016	2015	2016	2015	2016
	<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	16,034	14,910	8.30	7.90	133,082	117,789
Arkansas	23,500	22,540	7.70	7.90	180,950	178,066
California	16,116	15,422	3.40	4.20	54,794	64,772
Colorado	5,820	6,155	2.50	2.50	14,550	15,388
Florida	11,700	10,147	2.40	2.40	28,080	24,353
Georgia	28,116	27,636	6.80	6.30	191,189	174,107
Illinois	5,314	5,380	3.80	3.70	20,193	19,906
Indiana	40,300	42,141	2.80	2.30	112,840	96,924
Iowa	51,910	65,763	2.70	2.30	140,157	151,255
Kentucky	7,544	6,994	4.90	4.90	36,966	34,271
Louisiana	2,896	2,814	5.30	5.50	15,349	15,477
Maryland	3,762	3,859	3.20	3.60	12,038	13,892
Massachusetts	160	130	6.60	7.90	1,056	1,027
Michigan	16,953	18,133	4.00	3.20	67,812	58,026
Minnesota	13,004	13,073	3.10	2.40	40,312	31,375
Mississippi	9,824	9,812	8.00	8.50	78,592	83,402
Missouri	15,742	15,464	4.90	5.10	77,136	78,866
Montana	589	538	8.50	5.70	5,007	3,067
Nebraska	9,442	10,660	3.90	3.90	36,824	41,574
New York	7,385	6,999	2.10	2.80	15,509	19,597
North Carolina	22,945	23,087	7.90	7.80	181,266	180,079
Ohio	42,709	40,331	4.00	3.40	170,836	137,125
Oklahoma	4,137	3,970	7.00	6.80	28,959	26,996
Oregon	2,915	2,967	2.90	3.60	8,454	10,681
Pennsylvania	31,959	33,469	2.70	3.50	86,289	117,142
South Carolina	6,073	5,343	4.20	3.90	25,507	20,838
South Dakota	2,051	3,581	3.20	3.40	6,563	12,175
Tennessee	2,495	2,733	8.20	8.90	20,459	24,324
Texas	26,783	28,380	4.50	4.80	120,524	136,224
Utah	5,860	6,622	3.10	2.40	18,166	15,893
Vermont	127	174	3.70	5.30	470	922
Virginia	4,187	4,118	6.60	6.30	27,634	25,943
Washington	9,397	8,444	2.80	3.40	26,312	28,710
West Virginia	2,112	2,136	7.80	7.30	16,474	15,593
Wisconsin	6,366	6,602	2.70	2.40	17,188	15,845
Other States ³	20,754	23,997	3.26	3.49	67,614	83,793
United States	476,981	494,524	4.37	4.20	2,085,151	2,075,417

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, 2015 and 2016¹

State	Number lost ²		Number sold		Pounds sold		Value of sales	
	2015	2016	2015	2016	2015	2016	2015	2016
	<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	2,730	2,891	11,513	11,431	88,650	89,162	14,716	11,859
Arkansas	3,386	3,849	14,422	16,426	105,281	119,910	16,845	15,229
California	6,428	4,361	5,029	5,606	16,093	19,621	32	216
Colorado	686	1,907	3,041	2,369	12,772	10,897	843	730
Florida	5,351	6,417	351	425	2,597	3,145	416	415
Georgia	6,141	5,823	16,470	15,814	111,996	102,791	16,687	11,821
Illinois	989	1,415	2,514	3,356	9,050	12,082	244	217
Indiana	8,679	11,590	12,424	15,668	42,242	53,271	549	373
Iowa	42,790	17,723	11,309	8,511	37,320	28,086	187	140
Kentucky	838	955	4,142	4,957	24,852	28,255	3,256	2,769
Louisiana	365	324	2,159	1,885	13,602	11,876	1,891	1,330
Maryland	232	256	1,303	1,572	4,691	5,659	155	113
Massachusetts	8	9	95	108	304	356	(Z)	(Z)
Michigan	1,104	1,046	9,305	10,235	29,776	33,776	30	34
Minnesota	4,976	2,228	5,923	4,873	20,731	17,543	518	386
Mississippi	1,462	1,460	5,659	6,145	41,311	44,859	6,568	5,697
Missouri	1,329	1,433	8,036	8,183	36,966	37,642	3,216	2,560
Montana	323	297	54	52	173	172	(Z)	(Z)
Nebraska	4,222	889	4,094	3,706	13,101	12,230	13	12
New York	623	838	3,283	3,899	10,834	12,867	22	26
North Carolina	3,400	3,939	13,841	15,088	96,887	104,107	14,824	12,597
Ohio	12,333	12,337	11,871	12,062	40,361	41,011	444	369
Oklahoma	715	678	2,656	2,637	20,451	19,778	3,374	2,591
Oregon	748	1,353	819	569	2,621	1,878	3	2
Pennsylvania	2,469	2,708	10,538	10,399	38,991	38,476	1,482	923
South Carolina	1,576	1,227	2,784	4,127	16,982	21,873	2,293	1,881
South Dakota	1,517	924	336	176	1,075	581	1	1
Tennessee	383	363	1,960	2,199	15,484	17,372	2,601	2,345
Texas	3,012	3,346	12,975	14,468	64,875	72,340	6,488	5,643
Utah	863	950	2,484	3,003	7,949	9,910	8	10
Vermont	17	11	108	88	486	343	39	12
Virginia	623	1,140	2,459	2,245	17,213	17,062	2,634	2,235
Washington	3,486	5,528	301	321	963	1,059	2	2
West Virginia	262	298	1,567	1,646	12,379	13,168	2,092	1,817
Wisconsin	1,653	1,097	4,204	2,772	15,555	10,534	529	337
Other States ³	4,960	4,480	6,586	8,987	21,974	30,348	204	177
United States	130,679	106,090	196,615	206,008	996,588	1,044,040	103,206	84,869

(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, 2007–2016¹

Year	Number		Pounds (live weight) sold ³	Price per pound live weight ³	Value of sales ³
	Lost ²	Sold ³			
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2007	101,152	168,283	912,875	0.056	51,498
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	106,090	206,008	1,044,040	.....	84,869

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. ³ Sold for slaughter.
 NASS, Livestock Branch, (202) 720-3570.

Table 8-36.—Poultry, meat, and broiler: International trade, 2013–2015

Country	2013	2014	2015
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Principle exporting:			
Argentina	334	278	187
Belarus	105	113	135
Brazil	3,482	3,558	3,841
Canada	150	137	133
Chile	88	87	99
China	420	430	401
European Union	1,083	1,133	1,177
Thailand	504	546	622
Turkey	337	379	321
Ukraine	141	167	159
Others	298	340	331
Total Foreign	6,942	7,168	7,406
United States	3,332	3,312	2,866
Total	10,274	10,480	10,272
Principle importing:			
China	244	260	268
European Union	671	712	728
Hong Kong	272	299	312
Iraq	673	730	630
Japan	854	888	936
Mexico	682	722	790
Russia	535	465	249
Saudi Arabia	838	775	930
South Africa	355	369	436
United Arab Emirates	217	192	262
Others	3,288	3,474	3,059
Total Foreign	8,629	8,886	8,600
United States	55	53	59
Total	8,684	8,939	8,659

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, 2007–2016^{1 2 3}

Year	Number produced	Pounds produced	Value of production
	1,000 head	1,000 pounds	1,000 dollars
2007	8,906,700	49,330,700	21,513,536
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

¹December 1, previous year through November 30, current year. ²Broiler production including other domestic meat-type strains. ³Excludes 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, 2007–2016

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
2007	35,772	498	36,270	737	6,072	721	30,280	100
2008	36,511	559	37,070	721	7,110	748	30,036	99
2009	35,131	500	35,631	748	7,226	618	28,948	94
2010	36,515	503	37,018	618	6,841	777	30,130	97
2011	36,804	521	37,325	777	7,061	592	30,558	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	38,674	675	7,407	683	31,377	98
2015	39,620	522	40,142	683	6,466	840	33,651	105
2016 ³	40,260	548	40,808	840	6,801	786	34,195	106

¹Totals may not add due to rounding. ²Shipments to territories now included in total consumption. ³Preliminary. 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, 2007–2016

Year	Ratios ¹		
	Egg-feed	Broiler-feed	Turkey-feed
	Pounds	Pounds	Pounds
2007	10.2	5.0	6.0
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

¹Number 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, 2015 and 2016¹

State	2015			2016		
	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	1,082,900	6,172,500	3,320,805	1,070,100	5,992,600	2,864,463
Arkansas	962,000	6,156,800	3,312,358	1,009,400	6,561,100	3,136,206
Delaware	244,300	1,759,000	946,342	252,500	1,843,300	881,097
Florida	65,100	377,600	203,149	63,200	366,600	175,235
Georgia	1,339,600	7,903,600	4,252,137	1,367,100	8,065,900	3,855,500
Kentucky	307,700	1,784,700	960,169	300,300	1,831,800	875,600
Maryland	303,500	1,730,000	930,740	303,500	1,851,400	884,969
Minnesota	46,400	278,400	149,779	48,400	295,200	141,106
Mississippi	722,500	4,551,800	2,448,868	739,400	4,658,200	2,226,620
Missouri	294,600	1,414,100	760,786	293,000	1,435,700	686,265
North Carolina	822,700	6,417,100	3,452,400	818,700	6,467,700	3,091,561
Ohio	80,400	450,200	242,208	88,000	475,200	227,146
Oklahoma	217,000	1,432,200	770,524	209,700	1,363,100	651,562
Pennsylvania	190,400	1,066,200	573,616	185,700	1,039,900	497,072
South Carolina	242,600	1,746,700	939,725	244,700	1,810,800	865,562
Tennessee	185,200	981,600	528,101	175,200	928,600	443,871
Texas	608,700	3,773,900	2,030,358	629,500	3,840,000	1,835,520
Virginia	262,800	1,471,700	791,775	269,100	1,533,900	733,204
West Virginia	93,700	356,100	191,582	90,300	352,200	168,352
Wisconsin	53,900	226,400	121,803	54,100	227,200	108,602
Other States ²	562,700	3,325,600	1,789,173	564,800	3,318,700	1,586,339
United States	8,688,700	53,376,200	28,716,398	8,776,700	54,259,100	25,935,852

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, 2007–2016

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>Dollars</i>	<i>Dollars</i>	
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2007	9,590,018	446,562	10,036,580	25.60	69.40	2,605,945
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	2,605,675
2010	9,276,240	490,393	9,766,633	27.00	83.00	2,708,098
2011	9,057,461	478,606	9,536,067	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	585,637	10,056,709	.....	.....	.....

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, 2014–2016

Class	Number slaughtered			Total live weight		
	2014	2015	2016	2014	2015	2016
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens	8,525,393	8,688,462	8,768,427	51,225,964	53,169,030	54,037,067
Mature chickens	144,235	134,230	140,587	822,537	807,037	848,287
Total chickens	8,669,628	8,822,692	8,909,014	52,048,501	53,976,067	54,885,354
Young turkeys	235,189	230,812	241,418	7,150,782	6,972,127	7,142,043
Old turkeys	1,428	1,577	1,837	39,442	44,542	51,966
Total turkeys	236,617	232,389	243,255	7,190,224	7,016,669	7,464,009
Ducks	26,368	27,749	27,268	181,068	190,062	186,715
Other poultry ¹	(NA)	(NA)	(NA)	3,143	3,678	4,054
Total poultry	(NA)	(NA)	(NA)	59,422,936	61,186,476	62,540,132
Pounds condemned						
Class	Ante-mortem (live weight)			Post-mortem (Carcass and parts)		
	2014	2015	2016	2014	2015	2016
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens	108,109	121,020	124,995	341,079	364,274	356,806
Mature chickens	8,853	9,206	10,156	27,984	28,779	30,365
Total chickens	116,962	130,226	135,151	369,063	393,053	387,171
Young turkeys	16,491	16,873	18,680	77,912	79,937	86,939
Old turkeys	536	568	662	1,417	1,628	1,900
Total turkeys	17,027	17,441	19,342	79,329	81,565	88,839
Ducks	469	481	528	3,342	3,738	3,633
Other poultry	4	3	4	23	26	28
Total poultry	134,462	148,151	155,025	451,757	478,382	479,671
Pounds certified (ready-to-cook)						
Class	2014	2015	2016			
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
Young chickens	38,565,192	40,048,276	40,696,232			
Mature chickens	521,176	522,433	548,567			
Total chickens	39,086,368	40,570,709	41,244,799			
Young turkeys	5,725,668	5,593,008	5,942,064			
Old turkeys	29,963	33,640	39,025			
Total turkeys	5,755,631	5,626,648	5,981,089			
Ducks	130,950	137,558	135,821			
Other poultry ²	2,098	2,413	2,655			
Total poultry	44,975,047	46,337,328	47,364,364			

(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, 2007–2016

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>
2007	5,873	218	547	261	5,300	17.5
2008	6,165	261	676	396	5,367	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 ³	5,981	201	568	279	5,386	16.7

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, 2007–2016

Year	Number raised	Pounds (live weight) produced	Price per pound live weight ¹	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
2007	266,828	7,566,315	52.3	3,954,472
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

¹Price per pound discontinued in 2008.
NASS, Livestock Branch, (202) 720-3570.

Table 8-46.—Turkeys: Production and value, by State and United States, 2015–2016 ¹

State	2015			2016		
	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	27,500	561,000	454,971	26,000	525,200	433,815
California	11,500	338,100	274,199	11,400	323,760	267,426
Indiana	19,300	752,700	610,440	19,500	758,550	626,562
Iowa	9,100	353,990	287,086	11,700	460,980	380,769
Michigan	5,200	204,880	166,158	5,400	216,540	178,862
Minnesota	40,500	976,050	791,577	44,500	1,103,600	911,574
Missouri	19,000	600,400	486,924	19,200	625,920	517,010
North Carolina	31,000	1,091,200	884,963	33,500	1,202,650	993,389
Ohio	5,200	209,040	169,531	5,800	236,640	195,465
Pennsylvania	6,500	163,150	132,315	7,300	189,800	156,775
South Dakota	4,300	181,460	147,164	4,200	180,180	148,829
Utah	3,800	95,380	77,353	4,700	121,730	100,549
Virginia	17,000	460,700	373,628	17,200	467,840	386,436
West Virginia	3,000	90,600	73,477	3,700	111,000	91,686
Other States ²	30,200	959,486	778,142	29,900	962,588	795,100
United States	233,100	7,038,136	5,707,928	244,000	7,486,978	6,184,247

¹Based on turkeys placed September 1 through August 31. Excludes young turkeys lost. ²Includes 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, 2015–2016 ¹

Month	Total all breeds		Percent of Previous Year
	2015	2016	
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>
January	22,283	21,991	99
February	20,110	21,550	107
March	21,880	22,537	103
April	21,852	22,480	103
May	21,331	23,291	109
June	23,030	24,322	106
July	22,788	24,432	107
August	21,863	23,497	107
September	19,041	21,581	113
October	20,213	21,381	106
November	20,946	21,334	102
December	22,562	22,980	102
Total	257,899	271,376	105

¹Includes imports and excludes exports.
NASS, Livestock Branch, (202) 720-3570.

Table 8-48.—Turkeys: Poults hatched by commercial hatcheries, United States by Month, 2015–2016

Month	2015	2016	Percent of Previous Year
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>
January	23,921	22,783	95
February	21,712	22,382	103
March	24,178	23,596	98
April	23,263	23,782	102
May	22,164	23,773	107
June	23,148	25,036	108
July	22,976	24,752	108
August	22,006	24,232	110
September	19,528	23,645	121
October	20,621	23,572	114
November	20,996	22,782	109
December	22,642	25,422	112
Total	267,155	285,757	107

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

Table 8-49.—Eggs: Supply, distribution, and per capita consumption, United States, 2007–2016¹

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>
2007	7,588	13	14	250	1,016	11	6,351	252
2008	7,519	11	14	206	996	17	6,338	250
2009	7,569	17	11	242	955	18	6,390	250
2010	7,656	18	12	259	982	19	6,436	249
2011	7,715	19	21	277	950	28	6,501	250
2012	7,883	28	19	302	941	21	6,666	254
2013	8,149	21	17	388	964	23	6,812	258
2014	8,433	23	35	379	981	23	7,108	268
2015	8,053	23	124	314	996	31	6,859	256
2016 ⁴	8,565	31	122	279	1,010	27	7,402	275

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, 2007–2016

Year	Large
	<i>Cents</i>
2007	114.36
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

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, 2015–2016¹

State	Average number of layers		Eggs per layer ²		Total egg production	
	2015	2016	2015	2016	2015	2016
	<i>Thousands</i>	<i>Thousands</i>	<i>Number</i>	<i>Number</i>	<i>Millions</i>	<i>Millions</i>
Alabama	9,403	9,130	232	231	2,185.0	2,110.7
Arkansas	13,373	13,799	245	247	3,275.4	3,411.4
California	11,870	12,082	278	287	3,302.8	3,473.5
Colorado	4,544	4,606	291	296	1,322.8	1,364.0
Florida	9,028	8,565	273	276	2,463.1	2,364.1
Georgia	18,794	18,921	257	259	4,837.5	4,893.8
Illinois	4,816	5,117	282	300	1,356.4	1,534.7
Indiana	28,437	30,467	281	292	8,004.7	8,910.4
Iowa	45,491	49,245	274	276	12,470.6	13,608.0
Kentucky	4,943	4,906	259	266	1,279.4	1,304.1
Louisiana	2,072	2,195	271	246	560.8	541.0
Maryland	2,656	2,713	291	293	773.3	795.9
Massachusetts	144	143	310	284	44.7	40.6
Michigan	12,951	13,364	297	297	3,844.7	3,963.9
Minnesota	10,155	9,958	283	283	2,874.9	2,813.9
Mississippi	5,719	5,605	246	248	1,405.5	1,391.9
Missouri	10,956	10,962	279	293	3,056.4	3,208.9
Montana	456	436	312	312	142.1	135.9
Nebraska	7,696	8,844	298	291	2,290.7	2,570.2
New York	5,117	5,645	298	297	1,523.2	1,673.8
North Carolina	14,459	14,493	253	257	3,659.3	3,729.5
Ohio	33,980	33,278	286	287	9,708.4	9,546.0
Oklahoma	2,993	2,891	234	239	699.0	692.0
Oregon	2,363	2,387	309	307	731.1	732.0
Pennsylvania	25,934	27,214	300	302	7,778.2	8,212.4
South Carolina	4,360	4,246	267	269	1,163.5	1,141.7
South Dakota	2,076	2,147	291	277	604.5	594.2
Tennessee	1,566	1,706	223	231	349.1	394.5
Texas	19,426	20,576	266	271	5,161.1	5,571.8
Utah	4,409	4,571	284	278	1,252.2	1,271.4
Vermont	139	126	276	305	38.4	38.4
Virginia	2,939	2,971	256	263	752.0	782.3
Washington	7,179	6,959	292	288	2,094.9	2,006.5
West Virginia	1,221	1,263	229	227	279.2	287.1
Wisconsin	4,918	5,616	286	288	1,406.3	1,618.8
Other States ³	15,828	18,189	285	287	4,517.0	5,223.4
United States	352,411	365,336	276	279	97,208.2	101,952.7

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.
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Table 8-52.—Eggs: Broken under Federal inspection, United States, 2015–2016

Item	Quantity	
	2015	2016
Shell eggs broken	<i>1,000 dozen</i> 2,104,140	<i>1,000 dozen</i> 2,291,735
Edible product from shell eggs broken	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Whole	1,721,373	1,823,120
White	669,429	739,778
Yolk	333,183	371,690
Total	2,723,985	2,934,588
Inedible product from shell eggs broken	215,443	243,716

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

Table 8-53.—Eggs: Number, rate of lay, production, and value, United States, 2007–2016¹

Year	Layers average number	Eggs per layer ²	Total egg production	Price per dozen ^{3 4}	Value of production
	Thousands	Number	Millions	Dollars	1,000 dollars
2007	346,498	263	91,101	0.885	6,718,853
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	365,336	279	101,953	.....	6,483,307

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. ³ Average mid-month price of all eggs sold by producers including hatching eggs. ⁴ Price per dozen discontinued in 2008.
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Table 8-54.—All Eggs: Production and value by State and United States, 2015–2016¹

State	Eggs produced		Value of production	
	2015	2016	2015	2016
	Millions	Millions	1,000 dollars	1,000 dollars
Alabama	2,185.0	2,110.7	404,090	367,961
Arkansas	3,275.4	3,411.4	572,449	485,411
California	3,302.8	3,473.5	527,701	210,160
Colorado	1,322.8	1,364.0	177,115	67,929
Florida	2,463.1	2,364.1	315,651	110,028
Georgia	4,837.5	4,893.8	764,192	563,152
Illinois	1,356.4	1,534.7	180,895	72,534
Indiana	8,004.7	8,910.4	1,066,159	403,938
Iowa	12,470.6	13,608.0	1,535,042	556,138
Kentucky	1,279.4	1,304.1	191,617	118,592
Louisiana	560.8	541.0	89,081	53,193
Maryland	773.3	795.9	99,117	31,449
Massachusetts	44.7	40.6	5,608	1,425
Michigan	3,844.7	3,963.9	494,947	163,234
Minnesota	2,874.9	2,813.9	366,897	126,454
Mississippi	1,405.5	1,391.9	248,230	221,704
Missouri	3,056.4	3,208.9	421,325	189,889
Montana	142.1	135.9	22,500	7,870
Nebraska	2,290.7	2,570.2	281,147	99,773
New York	1,523.2	1,673.8	193,585	63,470
North Carolina	3,659.3	3,729.5	588,368	444,039
Ohio	9,708.4	9,546.0	1,262,374	411,781
Oklahoma	699.0	692.0	114,807	79,088
Oregon	731.1	732.0	115,960	42,447
Pennsylvania	7,778.2	8,212.4	1,008,202	367,144
South Carolina	1,163.5	1,141.7	167,384	95,367
South Dakota	604.5	594.2	73,798	22,482
Tennessee	349.1	394.5	66,970	76,518
Texas	5,161.1	5,571.8	728,753	361,309
Utah	1,252.2	1,271.4	199,491	73,238
Vermont	38.4	38.4	5,152	1,829
Virginia	752.0	782.3	122,443	96,909
Washington	2,094.9	2,006.5	331,830	117,086
West Virginia	279.2	287.1	54,603	55,890
Wisconsin	1,406.3	1,618.8	187,719	79,083
Other States ²	4,517.0	5,223.4	622,992	244,793
United States	97,208.2	101,952.7	13,608,194	6,483,307

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, 2015– 2016

Month	Frozen eggs							
	Whites		Yolks		Whole & mixed		Unclassified	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	4,933	3,958	1,489	976	11,168	19,604	17,080	17,620
February	4,239	4,819	1,417	1,227	12,843	15,857	17,149	15,497
March	5,001	4,385	949	797	10,586	13,034	15,442	13,525
April	4,753	2,564	960	781	10,632	14,467	14,915	15,858
May	3,099	3,386	785	960	11,274	12,646	13,058	18,969
June	3,094	3,515	767	721	10,472	13,890	12,557	19,834
July	2,526	3,234	927	841	10,891	13,517	13,064	19,617
August	2,453	3,367	1,011	889	13,257	11,174	13,851	16,295
September ...	2,660	3,773	1,035	859	15,302	11,424	13,327	17,028
October	4,766	4,205	1,172	780	15,611	11,115	15,937	18,244
November	3,634	4,558	1,096	1,062	16,419	13,130	14,864	17,740
December	3,817	4,888	1,169	1,067	19,023	11,275	16,887	18,422

Month	Frozen eggs, total		Frozen chicken					
	2015	2016	Broilers (Whole)		Hens		Breast and breast meat	
			2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	34,670	42,158	10,827	14,164	3,888	7,389	155,526	181,756
February	35,648	37,400	14,022	16,694	2,668	6,860	158,716	181,064
March	31,978	31,741	14,836	20,152	1,888	6,116	151,960	183,857
April	31,260	33,670	17,204	23,204	3,776	6,365	150,514	187,316
May	28,216	35,961	17,116	20,203	4,954	7,833	146,329	182,119
June	26,890	37,960	19,943	20,164	5,496	8,652	146,728	169,034
July	27,408	37,209	20,867	24,617	7,320	8,831	139,178	167,789
August	30,572	31,725	20,097	22,965	10,100	10,648	133,678	150,037
September ...	32,324	33,084	12,939	22,290	10,579	11,449	139,304	149,732
October	37,486	34,344	10,522	17,426	15,029	9,018	162,707	157,418
November	36,013	36,490	10,955	15,709	10,382	9,636	171,403	172,231
December	40,896	35,652	15,031	15,322	7,657	8,242	171,896	190,087

Month	Frozen chicken							
	Drumsticks		Leg quarters		Legs		Thigh and thigh quarters	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	28,315	29,391	148,456	126,242	15,926	17,444	10,868	19,151
February	22,963	24,200	162,890	115,237	15,199	11,876	12,532	17,056
March	26,303	26,582	189,412	106,251	13,528	9,645	12,187	14,651
April	32,571	24,455	180,833	110,991	15,889	12,520	10,764	15,142
May	29,550	25,141	166,213	116,785	14,604	12,408	10,667	15,967
June	28,315	23,128	138,577	130,147	13,262	13,956	10,704	13,588
July	25,461	21,013	145,187	145,412	17,030	13,643	12,500	11,472
August	18,733	18,780	146,540	132,610	16,117	12,278	13,723	11,521
September ...	20,167	17,645	164,192	133,031	16,591	12,577	14,097	10,551
October	28,031	17,865	163,454	142,078	19,454	12,960	18,102	9,304
November	31,377	18,709	156,951	139,485	23,599	11,230	17,407	9,217
December	37,153	16,548	140,098	128,179	19,406	10,924	18,121	9,217

Month	Frozen chicken							
	Thigh meat		Wings		Paws and feet		Other	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	25,398	25,199	45,811	69,462	38,837	18,498	246,876	312,730
February	23,251	24,959	44,923	68,231	32,917	20,251	242,009	314,286
March	20,085	22,485	42,596	77,032	30,311	18,040	248,743	308,063
April	21,722	21,419	44,842	78,826	28,518	20,259	258,998	304,457
May	19,358	20,865	44,175	81,993	26,641	21,043	259,782	302,285
June	22,496	20,400	48,995	90,785	27,894	20,416	262,155	303,406
July	27,293	20,748	58,649	92,424	31,732	20,005	281,025	295,827
August	25,974	18,178	68,117	91,085	34,546	20,486	291,475	285,166
September ...	27,038	19,859	71,861	90,373	26,632	20,104	296,820	281,473
October	28,025	21,427	78,458	87,433	21,392	21,698	313,424	282,647
November	27,846	22,066	84,073	86,351	20,209	20,389	327,693	285,842
December	24,267	26,932	78,254	78,316	21,650	18,273	328,106	302,026

See end of table.

Table 8-55.—Poultry and poultry products: Cold storage holdings, end of month, United States, 2015–2016—Continued

Month	Total chicken		Frozen turkey					
	2015	2016	Toms		Hens		Total whole	
			2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	730,728	821,426	58,677	45,861	58,029	59,648	116,706	105,509
February	732,090	800,714	80,220	60,750	79,668	76,268	159,888	137,018
March	751,849	792,874	82,683	67,304	96,487	92,984	179,170	160,288
April	765,631	804,954	97,828	79,302	118,656	102,778	216,484	182,080
May	739,389	806,642	113,518	100,930	139,178	114,385	252,696	215,315
June	724,475	815,001	115,019	120,444	158,570	129,794	273,589	250,238
July	766,242	823,897	125,577	137,318	171,682	137,682	297,259	275,000
August	779,100	773,705	129,926	142,867	160,607	140,852	290,533	283,719
September ...	800,205	769,084	136,648	145,149	129,159	124,064	265,807	269,213
October	858,598	777,596	103,743	107,405	87,912	91,342	191,655	198,747
November	881,895	790,952	24,341	31,162	34,334	39,205	58,675	70,367
December	861,639	804,066	22,375	32,958	31,098	41,934	53,473	74,892

Month	Frozen turkey							
	Breasts		Legs		Mechanically deboned meat		Other	
	2015	2016	2015	2016	2015	2016	2015	2016
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	38,368	52,881	11,950	15,934	7,481	8,788	32,081	28,095
February	42,939	58,986	9,053	14,740	6,598	8,545	27,088	34,754
March	47,509	63,993	10,414	13,859	5,712	8,550	25,710	36,353
April	52,368	70,058	13,510	13,934	6,250	8,761	25,338	37,300
May	54,981	80,361	15,262	16,174	7,733	9,761	26,732	42,597
June	54,542	87,410	14,286	14,288	6,505	9,645	24,550	46,396
July	59,672	86,978	14,171	15,304	5,619	10,340	25,260	44,323
August	58,102	83,041	12,886	14,224	6,055	9,888	25,023	38,124
September ...	56,302	79,044	11,603	10,320	4,633	9,270	21,607	38,641
October	41,813	67,045	10,357	8,314	5,291	8,652	21,566	32,945
November	30,415	55,719	11,200	9,653	7,189	7,547	22,658	30,127
December	35,805	73,157	14,061	12,755	8,098	6,935	26,713	35,613

Month	Frozen turkey				Ducks		Total frozen poultry	
	Unclassified		Total turkey		2015	2016	2015	2016
	2015	2016	2015	2016				
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
January	73,814	78,539	280,400	289,746	2,579	7,310	1,013,707	1,118,482
February	75,771	87,051	321,337	341,094	2,810	7,865	1,056,237	1,149,673
March	77,063	85,030	345,578	368,073	3,280	10,499	1,100,707	1,171,446
April	80,465	86,586	394,415	398,719	5,178	10,412	1,165,224	1,214,085
May	83,984	89,939	441,388	454,147	6,743	8,605	1,187,520	1,269,394
June	88,548	96,408	462,020	504,385	10,818	8,558	1,197,313	1,327,944
July	92,056	98,333	494,037	530,278	7,884	9,391	1,268,163	1,363,566
August	84,980	103,583	477,579	532,579	8,103	9,592	1,264,782	1,315,876
September ...	89,670	104,711	449,622	511,199	7,491	8,631	1,257,318	1,288,914
October	81,146	84,652	351,828	400,355	5,806	5,893	1,216,232	1,183,844
November	60,131	63,449	190,268	236,862	6,488	5,650	1,078,651	1,033,464
December	62,861	75,389	201,011	278,741	6,579	4,905	1,069,229	1,087,712

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Table 8-56.—Dairy products: Cold storage holdings, end of month, United States, 2015–2016

Month	Butter		American cheese	
	2015	2016	2015	2016
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	148,885	192,101	636,019	716,370
February	179,003	235,559	645,670	716,357
March	184,373	243,134	634,270	725,837
April	232,372	295,771	644,113	734,121
May	265,198	324,942	669,464	757,530
June	256,000	328,149	685,745	756,950
July	254,347	332,848	698,029	769,705
August	212,189	318,774	709,029	742,497
September	187,528	269,125	698,875	742,804
October	178,834	228,158	696,781	736,017
November	132,740	161,203	699,794	713,231
December	155,082	166,043	701,073	726,403
Month	Swiss cheese		Other	
	2015	2016	2015	2016
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	22,411	24,100	389,813	437,724
February	23,587	24,703	397,803	441,248
March	24,573	24,629	409,802	440,928
April	23,986	24,592	417,810	450,509
May	21,424	24,967	420,966	466,885
June	20,841	24,492	435,655	468,886
July	21,591	25,702	442,176	480,139
August	22,203	26,019	436,161	472,603
September	22,037	26,055	431,534	466,593
October	21,404	24,428	428,006	461,870
November	22,665	24,749	425,601	444,666
December	24,587	24,200	420,426	447,731
Month	Total natural cheese			
	2015		2016	
	<i>1,000 pounds</i>		<i>1,000 pounds</i>	
January	1,048,243		1,178,194	
February	1,067,060		1,182,308	
March	1,068,645		1,191,394	
April	1,085,909		1,209,222	
May	1,111,854		1,249,382	
June	1,142,241		1,250,328	
July	1,161,796		1,275,546	
August	1,167,393		1,241,119	
September	1,152,446		1,235,452	
October	1,146,191		1,222,315	
November	1,148,060		1,182,646	
December	1,146,086		1,198,334	

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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, 2007–2016

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>
2007	79.0	74.6	83.6	339.6	269.5	70.0
2008	90.9	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	109.9	110.4	99.0	440.4	359.0	81.4
2016	105.2	103.4	90.5	412.0	350.5	61.5

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>
2007	12,321.4	12,000.2	104.6	207.3	167.0
2008	12,427.8	12,502.2	100.9	215.3	178.3
2009	12,126.1	12,094.8	89.3	214.6	175.5
2010	12,739.5	12,477.1	94.2	218.1	182.4
2011	13,352.3	13,254.5	97.1	224.9	193.9
2012	14,061.9	13,915.1	100.0	229.6	199.1
2013	14,444.8	14,073.7	102.0	232.9	203.5
2014	15,144.0	14,818.2	105.1	236.7	212.5
2015	15,739.6	15,553.0	104.4	237.0	209.7
2016	16,052.0	15,928.7	103.1	240.0	204.6

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, 2007–2016

Year	Farms ¹	Land in farms	Average size farm
	<i>Number</i>	<i>1,000 acres</i>	<i>Acres</i>
2007	2,204,950	921,460	418
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

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, land in farms, and average size, by economic sales class, United States, 2015–2016

Economic sales class	Percent of total				Average size farm	
	Farms		Land		2015	2016
	2015	2016	2015	2016		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$ 1,000 - \$ 9,999	50.1	50.1	9.6	9.5	85	84
\$ 10,000 - \$ 99,999	30.1	30.1	21.0	21.1	308	309
\$100,000 - \$249,999	7.0	7.0	14.3	14.3	900	896
\$250,000 - \$499,999	4.7	4.8	13.8	14.0	1,288	1,296
\$500,000 - \$999,999	4.0	4.0	17.1	17.2	1,884	1,897
\$1,000,000 or more	4.0	4.0	24.1	24.0	2,662	2,656
Total ¹	100.0	100.0	100.0	100.0	441	442

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>Acres</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</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, 2015–2016

State	Economic Sales Class: \$1,000-\$9,999			
	Number of Farms		Land in Farms	
	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	25,000	25,700	2,650	2,650
Alaska	380	380	270	270
Arizona	14,700	14,800	700	600
Arkansas	21,700	21,500	1,650	1,700
California	30,400	29,500	1,400	1,300
Colorado	18,500	18,300	2,300	2,200
Connecticut	4,000	4,000	150	150
Delaware	870	870	20	20
Florida	27,100	27,000	1,240	1,240
Georgia	23,000	23,700	2,100	2,400
Hawaii	3,850	3,850	100	100
Idaho	12,200	12,100	800	800
Illinois	29,300	28,500	1,300	1,200
Indiana	27,500	27,600	960	930
Iowa	26,600	26,000	1,100	900
Kansas	22,000	21,400	2,400	2,400
Kentucky	42,000	41,500	2,800	2,800
Louisiana	16,200	16,200	1,180	1,180
Maine	5,000	5,000	480	480
Maryland	6,500	6,500	300	300
Massachusetts	5,000	5,000	210	210
Michigan	25,600	25,500	1,050	1,100
Minnesota	26,500	26,500	2,100	2,100
Mississippi	21,100	21,300	2,700	2,600
Missouri	44,200	44,200	3,700	3,900
Montana	11,600	11,500	2,800	2,700
Nebraska	12,500	12,000	800	900
Nevada	2,300	2,150	150	140
New Hampshire	3,100	3,100	240	240
New Jersey	5,600	5,600	160	160
New Mexico	16,200	16,100	4,200	4,100
New York	16,700	16,900	1,450	1,600
North Carolina	27,500	26,500	1,400	1,300
North Dakota	9,000	9,100	1,500	1,600
Ohio	33,300	33,200	1,600	1,600
Oklahoma	41,100	41,000	5,100	5,000
Oregon	21,000	20,900	1,500	1,440
Pennsylvania	26,100	26,300	1,800	1,800
Rhode Island	710	710	20	20
South Carolina	16,800	17,000	1,800	1,800
South Dakota	8,500	8,600	1,200	1,300
Tennessee	42,400	42,400	2,950	2,900
Texas	151,000	150,000	17,200	16,500
Utah	10,600	10,700	650	700
Vermont	4,050	4,050	340	340
Virginia	25,800	25,500	1,800	1,800
Washington	21,500	21,400	1,020	1,020
West Virginia	14,600	14,400	1,600	1,600
Wisconsin	30,500	30,400	1,950	1,950
Wyoming	5,000	5,000	900	900
United States	1,036,660	1,031,410	87,790	86,940

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, 2015–2016—Continued

State	Economic Sales Class: \$10,000-\$99,999			
	Number of Farms		Land in Farms	
	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	13,300	13,300	3,400	3,450
Alaska	290	290	450	450
Arizona	3,350	3,350	8,200	8,000
Arkansas	14,100	13,700	3,600	3,600
California	26,400	26,200	4,200	4,400
Colorado	10,000	10,000	7,000	6,900
Connecticut	1,550	1,550	110	110
Delaware	(D)	(D)	(D)	(D)
Florida	14,600	14,500	1,900	1,850
Georgia	10,500	10,400	2,200	2,100
Hawaii	2,600	2,600	260	260
Idaho	7,000	7,000	2,050	2,050
Illinois	18,300	18,300	2,700	2,900
Indiana	15,500	15,300	1,830	1,900
Iowa	23,600	23,800	3,100	3,300
Kansas	21,500	21,300	8,000	8,300
Kentucky	27,400	27,600	4,700	4,700
Louisiana	7,300	7,300	1,800	1,800
Maine	2,400	2,400	400	400
Maryland	3,500	3,600	400	400
Massachusetts	2,000	2,000	140	140
Michigan	14,700	14,600	1,650	1,600
Minnesota	21,900	21,600	3,700	3,600
Mississippi	10,800	10,000	2,900	2,800
Missouri	38,300	38,500	8,700	9,300
Montana	7,800	7,900	8,800	8,900
Nebraska	13,900	13,500	4,800	4,700
Nevada	850	830	280	270
New Hampshire	1,050	1,050	150	150
New Jersey	2,350	2,350	160	160
New Mexico	6,200	6,200	11,300	11,100
New York	11,600	11,200	1,800	1,600
North Carolina	12,800	12,800	1,500	1,500
North Dakota	6,200	7,100	2,600	3,400
Ohio	25,300	25,300	2,650	2,650
Oklahoma	28,000	28,100	11,300	11,400
Oregon	9,100	9,000	2,860	2,830
Pennsylvania	19,400	19,800	2,300	2,280
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	5,500	5,400	1,300	1,300
South Dakota	9,400	9,300	4,900	4,900
Tennessee	20,200	19,500	3,700	3,600
Texas	71,000	71,000	41,700	41,000
Utah	5,500	5,500	1,900	2,000
Vermont	2,100	2,100	320	320
Virginia	14,200	14,200	2,800	2,800
Washington	8,400	8,400	1,900	1,900
West Virginia	5,400	5,400	1,400	1,400
Wisconsin	21,000	20,900	2,900	2,850
Wyoming	3,700	3,800	4,800	4,600
Other States ¹	1,010	1,010	60	60
United States	622,850	620,830	191,570	191,980

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, 2015–2016—Continued

State	Economic Sales Class: \$100,000-\$249,999			
	Number of Farms		Land in Farms	
	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	1,100	1,150	750	800
Alaska	50	50	70	70
Arizona	590	570	11,200	11,300
Arkansas	1,600	1,900	1,000	1,200
California	6,100	6,300	3,700	3,700
Colorado	2,600	2,500	5,400	5,500
Connecticut	(D)	(D)	(D)	(D)
Delaware	(D)	(D)	(D)	(D)
Florida	2,300	2,250	940	920
Georgia	1,400	1,500	630	630
Hawaii	280	280	160	160
Idaho	1,900	1,900	1,650	1,650
Illinois	8,500	8,500	2,900	3,100
Indiana	5,300	5,300	1,580	1,540
Iowa	10,400	10,300	3,000	2,900
Kansas	6,500	6,400	7,200	6,900
Kentucky	3,300	3,300	1,200	1,200
Louisiana	850	800	520	520
Maine	340	340	100	100
Maryland	600	600	230	230
Massachusetts	380	380	50	50
Michigan	4,100	4,200	1,050	1,100
Minnesota	8,500	8,600	2,500	2,600
Mississippi	1,000	1,100	600	700
Missouri	7,400	6,200	4,400	3,900
Montana	3,100	3,150	9,700	9,800
Nebraska	7,300	7,600	5,900	5,900
Nevada	270	260	600	580
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	450	450	80	80
New Mexico	1,050	1,050	7,600	7,700
New York	3,300	3,600	850	950
North Carolina	1,800	2,000	600	700
North Dakota	3,600	3,100	3,800	3,700
Ohio	7,100	7,200	1,950	1,950
Oklahoma	4,450	4,450	5,750	5,700
Oregon	1,700	1,700	2,900	2,900
Pennsylvania	5,600	5,500	1,050	1,040
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	600	600	270	270
South Dakota	4,200	4,100	5,300	5,200
Tennessee	2,000	2,000	800	850
Texas	8,700	8,700	21,600	20,500
Utah	900	800	1,400	1,300
Vermont	490	490	140	140
Virginia	1,950	2,050	1,000	1,000
Washington	2,150	2,200	1,550	1,550
West Virginia	400	350	240	240
Wisconsin	7,300	7,300	1,900	1,900
Wyoming	1,300	1,300	4,900	5,000
Other States ¹	530	530	100	100
United States	145,330	144,900	130,810	129,870

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, 2015–2016—Continued

State	Economic Sales Class: \$250,000-\$499,999			
	Number of Farms		Land in Farms	
	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	900	950	450	400
Alaska	(D)	(D)	(D)	(D)
Arizona	230	240	2,600	2,600
Arkansas	1,200	1,000	650	600
California	4,600	4,700	2,500	2,400
Colorado	1,300	1,300	5,800	5,800
Connecticut	(D)	(D)	(D)	(D)
Delaware	(D)	(D)	(D)	(D)
Florida	1,250	1,300	970	1,000
Georgia	900	1,000	470	470
Hawaii	120	120	60	60
Idaho	1,300	1,300	1,400	1,400
Illinois	7,300	7,000	4,500	4,400
Indiana	3,900	4,000	2,100	2,100
Iowa	9,700	9,700	5,100	4,900
Kansas	4,200	4,300	7,400	7,500
Kentucky	1,500	1,500	1,000	900
Louisiana	550	650	450	550
Maine	220	220	110	110
Maryland	650	650	250	250
Massachusetts	(D)	(D)	(D)	(D)
Michigan	2,900	2,900	1,250	1,200
Minnesota	6,300	6,200	3,300	3,300
Mississippi	800	800	500	500
Missouri	3,000	3,500	3,400	3,400
Montana	2,500	2,450	12,200	12,300
Nebraska	5,300	5,600	7,500	7,700
Nevada	440	420	970	970
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	270	270	90	90
New Mexico	550	500	6,300	6,300
New York	1,800	1,700	800	750
North Carolina	1,500	1,600	700	700
North Dakota	3,000	3,000	5,100	5,300
Ohio	3,800	3,800	1,900	1,900
Oklahoma	2,050	2,100	4,550	4,600
Oregon	1,000	1,000	2,290	2,280
Pennsylvania	3,600	3,500	950	960
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	300	300	230	230
South Dakota	3,300	3,100	7,200	7,000
Tennessee	950	950	700	700
Texas	4,600	4,800	16,700	18,300
Utah	600	600	1,550	1,450
Vermont	350	350	150	150
Virginia	1,200	1,200	700	700
Washington	1,250	1,200	2,250	2,250
West Virginia	150	150	110	120
Wisconsin	4,900	4,800	2,050	2,050
Wyoming	850	800	6,400	6,300
Other States ¹	560	560	150	150
United States	97,640	98,080	125,800	127,090

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, 2015–2016—Continued

State	Economic Sales Class: \$500,000-\$999,999			
	Number of Farms		Land in Farms	
	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	1,500	1,500	500	550
Alaska	(D)	(D)	(D)	(D)
Arizona	300	300	400	500
Arkansas	1,500	1,400	1,300	1,100
California	3,200	3,250	2,600	2,800
Colorado	900	800	5,400	5,400
Connecticut	(D)	(D)	(D)	(D)
Delaware	370	370	100	100
Florida	820	820	650	600
Georgia	2,900	2,900	1,680	1,620
Hawaii	70	70	240	240
Idaho	800	800	1,900	2,000
Illinois	5,500	5,400	6,300	6,100
Indiana	3,000	2,900	2,880	2,930
Iowa	9,900	10,000	8,700	8,900
Kansas	3,000	3,000	9,600	9,600
Kentucky	1,100	1,000	1,340	1,290
Louisiana	900	850	1,000	900
Maine	110	110	90	90
Maryland	400	400	250	260
Massachusetts	(D)	(D)	(D)	(D)
Michigan	2,350	2,350	1,800	1,800
Minnesota	5,100	5,100	4,800	4,900
Mississippi	1,100	1,100	950	1,000
Missouri	2,300	2,400	4,000	4,000
Montana	1,500	1,450	13,600	13,500
Nebraska	4,900	5,000	9,800	9,800
Nevada	180	180	1,050	1,100
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	210	210	80	80
New Mexico	370	370	8,100	8,300
New York	1,000	1,000	650	650
North Carolina	1,600	1,600	950	950
North Dakota	4,700	4,200	10,800	10,100
Ohio	2,850	2,850	2,400	2,400
Oklahoma	1,350	1,400	4,000	3,900
Oregon	850	800	2,650	2,650
Pennsylvania	1,950	1,850	750	750
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	400	400	450	450
South Dakota	3,500	3,500	11,300	11,500
Tennessee	850	850	850	900
Texas	3,400	3,700	15,100	15,400
Utah	240	240	4,500	4,550
Vermont	160	160	90	90
Virginia	1,050	1,050	830	830
Washington	1,050	1,050	2,930	2,880
West Virginia	170	170	110	110
Wisconsin	2,850	2,900	2,050	2,050
Wyoming	500	470	6,800	6,800
Other States ¹	260	260	80	80
United States	83,010	82,480	156,400	156,500

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, 2015–2016—Continued

State	Economic Sales Class: \$1,000,000 or more			
	Number of Farms		Land in Farms	
	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Alabama	1,400	1,400	1,150	1,050
Alaska	(D)	(D)	(D)	(D)
Arizona	330	340	2,900	2,900
Arkansas	3,400	3,500	5,600	5,500
California	6,700	6,750	11,000	10,800
Colorado	900	900	5,800	5,900
Connecticut	90	90	100	100
Delaware	380	380	270	270
Florida	1,230	1,230	3,750	3,800
Georgia	2,300	2,300	2,320	2,280
Hawaii	80	80	300	300
Idaho	1,200	1,200	4,000	3,900
Illinois	4,500	4,500	9,100	9,000
Indiana	2,500	2,400	5,350	5,300
Iowa	7,300	7,200	9,500	9,600
Kansas	3,200	3,200	11,400	11,200
Kentucky	1,100	1,100	1,960	2,010
Louisiana	1,100	1,100	2,800	2,800
Maine	130	130	270	270
Maryland	550	550	600	590
Massachusetts	80	80	50	50
Michigan	1,850	1,850	3,150	3,150
Minnesota	5,300	5,300	9,500	9,400
Mississippi	1,900	1,900	3,150	3,100
Missouri	1,900	2,000	4,100	4,000
Montana	1,000	950	12,600	12,500
Nebraska	4,800	4,700	16,400	16,200
Nevada	160	160	2,900	2,900
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	220	220	150	150
New Mexico	330	380	5,700	5,700
New York	1,100	1,100	1,650	1,750
North Carolina	3,600	3,500	3,150	3,050
North Dakota	3,500	3,300	15,400	15,000
Ohio	2,050	2,150	3,500	3,500
Oklahoma	1,050	1,050	3,500	3,600
Oregon	950	1,000	4,200	4,200
Pennsylvania	1,250	1,250	850	800
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	800	800	950	950
South Dakota	2,400	2,400	13,400	13,400
Tennessee	900	900	1,900	1,850
Texas	3,300	3,300	17,700	18,100
Utah	260	260	1,000	1,000
Vermont	150	150	210	210
Virginia	800	800	970	970
Washington	1,650	1,650	5,050	5,100
West Virginia	180	130	140	130
Wisconsin	2,350	2,400	3,550	3,550
Wyoming	250	230	6,600	6,700
Other States ¹	40	40	40	40
United States	82,510	82,300	219,630	218,620

(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, 2015–2016

State	Number of Farms ¹		Land in farms		Average farm size	
	2015	2016	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Acres</i>	<i>Acres</i>
Alabama	43,200	44,000	8,900	8,900	206	202
Alaska	760	760	830	830	1,092	1,092
Arizona	19,500	19,600	26,000	25,900	1,333	1,321
Arkansas	43,500	43,000	13,800	13,700	317	319
California	77,400	76,700	25,400	25,400	328	331
Colorado	34,200	33,800	31,700	31,700	927	938
Connecticut	6,000	6,000	440	440	73	73
Delaware	2,500	2,500	500	500	200	200
Florida	47,300	47,100	9,450	9,410	200	200
Georgia	41,000	41,800	9,400	9,500	229	227
Hawaii	7,000	7,000	1,120	1,120	160	160
Idaho	24,400	24,300	11,800	11,800	484	486
Illinois	73,400	72,200	26,800	26,700	365	370
Indiana	57,700	57,500	14,700	14,700	255	256
Iowa	87,500	87,000	30,500	30,500	349	351
Kansas	60,400	59,600	46,000	45,900	762	770
Kentucky	76,400	76,000	13,000	12,900	170	170
Louisiana	26,900	26,900	7,750	7,750	288	288
Maine	8,200	8,200	1,450	1,450	177	177
Maryland	12,200	12,300	2,030	2,030	166	165
Massachusetts	7,800	7,800	520	520	67	67
Michigan	51,500	51,400	9,950	9,950	193	194
Minnesota	73,600	73,300	25,900	25,900	352	353
Mississippi	36,700	36,200	10,800	10,700	294	296
Missouri	97,100	96,800	28,300	28,500	291	294
Montana	27,500	27,400	59,700	59,700	2,171	2,179
Nebraska	48,700	48,400	45,200	45,200	928	934
Nevada	4,200	4,000	5,950	5,960	1,417	1,490
New Hampshire	4,400	4,400	470	470	107	107
New Jersey	9,100	9,100	720	720	79	79
New Mexico	24,700	24,600	43,200	43,200	1,749	1,756
New York	35,500	35,500	7,200	7,300	203	206
North Carolina	48,800	48,000	8,300	8,200	170	171
North Dakota	30,000	29,800	39,200	39,100	1,307	1,312
Ohio	74,400	74,500	14,000	14,000	188	188
Oklahoma	78,000	78,100	34,200	34,200	438	438
Oregon	34,600	34,400	16,400	16,300	474	474
Pennsylvania	57,900	58,200	7,700	7,630	133	131
Rhode Island	1,240	1,240	70	70	56	56
South Carolina	24,400	24,500	5,000	5,000	205	204
South Dakota	31,300	31,000	43,300	43,300	1,383	1,397
Tennessee	67,300	66,600	10,900	10,800	162	162
Texas	242,000	241,500	130,000	129,800	537	537
Utah	18,100	18,100	11,000	11,000	608	608
Vermont	7,300	7,300	1,250	1,250	171	171
Virginia	45,000	44,800	8,100	8,100	180	181
Washington	36,000	35,900	14,700	14,700	408	409
West Virginia	20,900	20,600	3,600	3,600	172	175
Wisconsin	68,900	68,700	14,400	14,400	209	210
Wyoming	11,600	11,600	30,400	30,300	2,621	2,612
United States	2,068,000	2,060,000	912,000	911,000	441	442

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>
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

¹Excludes Alaska and Hawaii. ²The 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>		Percent
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

¹Columns 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. ²Assumes 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. ³1920 Census of Agriculture, vol. VI, part 1, table 5, p. 19. ⁴Assumes same proportion of owner and part-owner as in 1910. ⁵1964 Census of Agriculture, vol. II, chapter 8, p.757. ⁶The 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, 2013–2016 ¹

Region and State	Total value of land and buildings			
	2013	2014	2015	2016
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Northeast:				
Connecticut	4,884	4,928	4,972	4,928
Delaware	4,085	4,090	4,090	4,200
Maine	3,150	3,016	3,031	3,031
Maryland	14,207	14,007	14,140	14,332
Massachusetts	5,408	5,408	5,408	5,408
New Hampshire	2,026	2,012	2,012	2,045
New Jersey	9,216	9,216	9,360	9,216
New York	18,720	19,386	21,600	21,456
Pennsylvania	41,811	43,232	42,350	42,350
Rhode Island	966	959	966	966
Vermont	4,000	4,075	4,125	4,150
Lake:				
Michigan	42,785	46,765	48,755	47,760
Minnesota	111,370	123,025	121,730	121,730
Wisconsin	59,860	63,800	67,680	68,400
Corn Belt:				
Illinois	190,990	202,288	201,750	198,320
Indiana	94,080	102,165	105,105	105,105
Iowa	235,620	259,250	244,000	239,425
Missouri	80,940	87,730	94,805	96,220
Ohio	71,400	77,700	80,500	79,800
Northern Plains:				
Kansas	80,675	94,300	93,380	86,480
Nebraska	126,840	141,024	137,860	133,340
North Dakota	60,915	71,526	75,264	71,736
South Dakota	73,177	89,631	100,456	97,425
Appalachian:				
Kentucky	39,260	40,950	42,250	43,550
North Carolina	36,456	37,884	37,350	36,935
Tennessee	38,913	39,240	39,785	40,330
Virginia	35,773	35,424	34,992	34,830
West Virginia	9,180	9,216	9,360	9,252
Southeast:				
Alabama	22,500	23,140	23,144	24,030
Florida	49,660	49,875	51,030	51,030
Georgia	31,350	31,020	30,411	31,960
South Carolina	14,811	15,050	15,050	15,000
Delta States:				
Arkansas	37,260	39,330	42,090	42,090
Louisiana	20,018	20,826	21,700	22,475
Mississippi	24,743	25,506	26,136	26,676
Southern Plains:				
Oklahoma	49,880	54,194	58,140	61,560
Texas	218,568	240,500	252,200	254,800
Mountain:				
Arizona ²	18,506	23,922	24,125	24,226
Colorado	40,576	42,930	45,648	45,014
Idaho	26,196	27,848	29,146	29,500
Montana	47,163	51,342	53,133	53,730
Nevada ²	5,113	5,566	5,817	5,710
New Mexico ²	19,929	20,663	20,310	20,663
Utah ²	13,439	15,528	15,669	15,598
Wyoming	18,120	19,152	20,064	20,064
Pacific:				
California	175,950	186,150	196,350	200,660
Oregon	32,505	33,620	34,768	36,080
Washington	34,040	36,750	39,690	41,895
United States ³	2,397,034	2,595,159	2,651,697	2,645,481

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, 2013–2016

Region and State	2013	2014	2015	2016
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast:	4,850	4,930	5,020	5,010
Connecticut	11,100	11,200	11,300	11,200
Delaware	8,170	8,180	8,180	8,400
Maine	2,100	2,080	2,090	2,090
Maryland	6,930	6,900	7,000	7,060
Massachusetts	10,400	10,400	10,400	10,400
New Hampshire	4,310	4,280	4,280	4,350
New Jersey	12,800	12,800	13,000	12,800
New York	2,600	2,700	3,000	2,980
Pennsylvania	5,430	5,600	5,500	5,500
Rhode Island	13,800	13,700	13,800	13,800
Vermont	3,200	3,260	3,300	3,320
Lake:	4,240	4,640	4,740	4,730
Michigan	4,300	4,700	4,900	4,800
Minnesota	4,300	4,300	4,700	4,700
Wisconsin	4,100	4,400	4,700	4,750
Corn Belt:	5,880	6,370	6,350	6,290
Illinois	7,100	7,520	7,500	7,400
Indiana	6,400	6,950	7,150	7,150
Iowa	7,700	8,500	8,000	7,850
Missouri	2,850	3,100	3,350	3,400
Ohio	5,100	5,550	5,750	5,700
Northern Plains:	1,960	2,280	2,340	2,240
Kansas	1,750	2,050	2,030	1,880
Nebraska	2,800	3,120	3,050	2,950
North Dakota	1,550	1,820	1,920	1,830
South Dakota	1,690	2,070	2,320	2,250
Appalachian:	3,610	3,690	3,730	3,760
Kentucky	3,020	3,150	3,250	3,350
North Carolina	4,340	4,510	4,500	4,450
Tennessee	3,570	3,600	3,650	3,700
Virginia	4,310	4,320	4,320	4,300
West Virginia	2,550	2,560	2,600	2,570
Southeast:	3,590	3,630	3,670	3,730
Alabama	2,500	2,600	2,630	2,700
Florida	5,200	5,250	5,400	5,400
Georgia	3,300	3,300	3,270	3,400
South Carolina	2,980	3,010	3,010	3,000
Delta:	2,520	2,640	2,780	2,820
Arkansas	2,700	2,850	3,050	3,050
Louisiana	2,550	2,670	2,800	2,900
Mississippi	2,270	2,340	2,420	2,470
Southern Plains:	1,630	1,790	1,890	1,930
Oklahoma	1,450	1,580	1,700	1,800
Texas	1,680	1,850	1,940	1,960
Mountain:	1,010	1,070	1,100	1,110
Arizona ¹	3,500	3,740	3,780	3,800
Colorado	1,280	1,350	1,440	1,420
Idaho	2,220	2,360	2,470	2,500
Montana	790	860	890	900
Nevada ¹	1,040	1,080	1,130	1,110
New Mexico ¹	500	540	510	520
Utah ¹	1,900	2,030	2,050	2,040
Wyoming	600	630	660	660
Pacific:	4,290	4,520	4,780	4,940
California	6,900	7,300	7,700	7,900
Oregon	1,970	2,050	2,120	2,200
Washington	2,300	2,500	2,700	2,850
United States ²	2,730	2,950	3,020	3,010

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, 2013–2016

Region and State	Cropland			
	2013	2014	2015	2016
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast:	5,260	5,260	5,330	5,390
Delaware	7,870	7,880	7,950	8,200
Maryland	6,470	6,470	6,470	6,530
New Jersey	12,900	13,000	13,500	3,000
New York	2,550	2,530	2,600	2,580
Pennsylvania	5,840	5,840	5,900	6,100
Other States ¹	7,060	7,020	7,090	7,090
Lake:	4,240	4,670	4,730	4,740
Michigan	4,120	4,500	4,550	4,500
Minnesota	4,390	4,870	4,800	4,750
Wisconsin	4,010	4,350	4,700	4,900
Corn Belt:	6,470	7,000	6,840	6,710
Illinois	7,190	7,700	7,650	7,450
Indiana	6,590	7,050	7,000	7,000
Iowa	8,000	8,750	8,200	8,000
Missouri	3,500	3,810	3,810	3,770
Ohio	5,190	5,650	5,850	5,800
Northern Plains:	2,720	3,090	3,130	2,960
Kansas	1,930	2,260	2,210	2,050
Nebraska	4,860	5,180	5,070	4,850
North Dakota	1,750	2,050	2,140	2,000
South Dakota	2,840	3,430	3,730	3,520
Appalachian:	3,690	3,780	3,830	3,840
Kentucky	3,430	3,550	3,720	3,770
North Carolina	4,050	4,200	4,100	3,970
Tennessee	3,340	3,400	3,470	3,600
Virginia	4,450	4,460	4,440	4,430
West Virginia	3,200	3,210	3,250	3,160
Southeast:	3,690	3,730	3,770	3,920
Alabama	2,750	2,850	2,850	2,950
Florida	6,450	6,500	6,560	6,730
Georgia	3,080	3,080	3,160	3,410
South Carolina	2,440	2,460	2,460	2,460
Delta:	2,380	2,510	2,600	2,680
Arkansas	2,380	2,540	2,630	2,710
Louisiana	2,260	2,380	2,500	2,620
Mississippi	2,470	2,570	2,620	2,680
Southern Plains:	1,480	1,630	1,770	1,820
Oklahoma	1,390	1,500	1,590	1,640
Texas	1,520	1,680	1,840	1,890
Mountain:	1,780	1,690	1,740	1,760
Arizona ²	8,290	8,320	8,320	8,300
Colorado	1,770	1,840	1,910	1,910
Idaho	2,850	3,040	3,200	3,300
Montana	890	987	997	1,010
Nevada ²	(D)	2,670	2,670	(D)
New Mexico ²	1,450	1,450	1,440	1,450
Utah ²	3,230	3,260	3,300	3,340
Wyoming	1,360	1,370	1,370	1,370
Pacific:	5,690	5,860	6,160	6,330
California	9,860	10,140	10,690	10,910
Oregon	2,400	2,500	2,600	2,730
Washington	2,420	2,560	2,630	2,760
United States³	3,810	4,100	4,130	4,090

See footnote(s) at end of table.

Table 9-14.—Land values, cropland and pasture: Region, State, and United States, 2013–2016—Continued

Region, State, and land type	Irrigated and Non-Irrigated Cropland			
	2013	2014	2015	2016
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Corn Belt:				
Missouri all cropland	3,500	3,810	3,810	3,770
Irrigated	4,140	4,750	5,130	5,100
Non-irrigated	3,450	3,730	3,700	3,660
Northern Plains:				
Kansas all cropland	1,930	2,260	2,210	2,050
Irrigated	2,760	3,280	3,270	3,000
Non-irrigated	1,840	2,150	2,090	1,940
Nebraska all cropland	4,860	5,180	5,070	4,850
Irrigated	6,700	7,100	6,870	6,560
Non-irrigated	3,730	4,000	3,970	3,800
South Dakota all cropland	2,840	3,430	3,730	3,520
Non-irrigated	2,820	3,400	3,700	3,500
Southeast:				
Florida all cropland	6,450	6,500	6,560	6,730
Irrigated	7,280	7,430	7,570	7,600
Non-irrigated	5,660	5,630	5,610	5,900
Georgia all cropland	3,080	3,080	3,160	3,410
Irrigated	3,120	3,430	3,600	4,000
Non-irrigated	3,070	2,950	3,000	3,200
Delta:				
Arkansas all cropland	2,380	2,540	2,630	2,710
Irrigated	2,790	3,000	3,100	3,200
Non-irrigated	1,760	1,840	1,900	1,950
Louisiana all cropland	2,260	2,380	2,500	2,620
Irrigated	2,150	2,270	2,400	2,550
Non-irrigated	2,300	2,420	2,530	2,650
Mississippi all cropland	2,470	2,570	2,620	2,680
Irrigated	2,760	2,930	3,030	3,150
Non-irrigated	2,330	2,390	2,420	2,460
Southern Plains:				
Oklahoma all cropland	1,390	1,500	1,590	1,640
Non-irrigated	1,370	1,480	1,580	1,620
Texas all cropland	1,520	1,680	1,840	1,890
Irrigated	1,700	1,880	2,050	2,050
Non-irrigated	1,490	1,650	1,800	1,860
Mountain:				
Arizona all cropland ²	8,290	8,320	8,320	8,300
Irrigated	8,290	8,320	8,320	8,300
Colorado all cropland	1,770	1,840	1,910	1,910
Irrigated	4,100	4,450	4,650	4,600
Non-irrigated	1,200	1,200	1,230	1,250
Idaho all cropland	2,850	3,040	3,200	3,300
Irrigated	4,240	4,600	4,830	5,000
Non-irrigated	1,310	1,320	1,400	1,420
Montana all cropland	890	987	997	1,010
Irrigated	2,780	2,950	2,960	2,980
Non-irrigated	710	800	810	820
Nevada all cropland ²	(D)	2,670	2,670	(D)
Irrigated	(D)	2,670	2,670	(D)
New Mexico all cropland ²	1,450	1,450	1,440	1,450
Irrigated	3,910	3,930	3,920	3,930
Non-irrigated	400	390	390	390
Utah all cropland ²	3,230	3,260	3,300	3,340
Irrigated	5,200	5,250	5,300	5,350
Non-irrigated	1,100	1,120	1,140	1,170
Wyoming all cropland	1,360	1,370	1,370	1,370
Irrigated	2,140	2,190	2,190	2,200
Non-irrigated	(D)	780	770	770
Pacific:				
California all cropland	9,860	10,140	10,690	10,910
Irrigated	11,800	12,100	12,700	12,900
Non-irrigated	3,400	3,650	4,000	4,300
Oregon all cropland	2,400	2,500	2,600	2,730
Irrigated	3,940	4,140	4,360	4,650
Non-irrigated	1,830	1,900	1,950	2,020
Washington all cropland	2,420	2,560	2,630	2,760
Irrigated	7,240	7,670	7,850	8,250
Non-irrigated	1,170	1,230	1,280	1,330

See footnote(s) at end of table.

Table 9-14.—Land values, cropland and pasture: Region, State, and United States, 2013–2016—Continued

Region and State	Pasture			
	2013	2014	2015	2016
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast:	3,370	3,460	3,480	3,390
Maryland	(D)	6,000	6,000	6,100
New Jersey	13,500	13,500	13,500	12,500
New York	1,240	1,330	1,430	1,400
Pennsylvania	2,770	2,900	2,850	2,700
Other States ⁴	5,840	5,790	5,840	5,850
Lake:	1,870	1,950	2,060	2,050
Michigan	2,420	2,500	2,680	2,600
Minnesota	1,580	1,600	1,700	1,650
Wisconsin	2,000	2,150	2,250	2,300
Corn Belt:	2,290	2,360	2,440	2,420
Illinois	3,370	3,400	3,550	3,400
Indiana	2,500	2,550	2,600	2,600
Iowa	3,220	3,400	3,400	3,400
Missouri	1,790	1,850	1,950	1,930
Ohio	3,010	3,100	3,140	3,100
Northern Plains:	754	954	1,020	1,020
Kansas	1,150	1,300	1,390	1,290
Nebraska	643	900	870	910
North Dakota	578	750	850	830
South Dakota	667	860	980	1,020
Appalachian:	3,210	3,280	3,340	3,320
Kentucky	2,560	2,700	2,750	2,730
North Carolina	4,530	4,760	4,700	4,700
Tennessee	3,380	3,400	3,500	3,540
Virginia	3,930	3,930	4,000	3,930
West Virginia	1,990	2,000	2,020	2,020
Southeast:	3,770	3,790	3,790	3,900
Alabama	2,000	2,100	2,140	2,180
Florida	4,850	4,910	4,900	5,100
Georgia	3,850	3,650	3,580	3,530
South Carolina	2,820	2,900	2,940	2,940
Delta:	2,190	2,270	2,320	2,410
Arkansas	2,160	2,240	2,290	2,450
Louisiana	2,400	2,500	2,590	2,600
Mississippi	2,070	2,110	2,140	2,190
Southern Plains:	1,410	1,540	1,570	1,580
Oklahoma	1,210	1,360	1,430	1,470
Texas	1,450	1,580	1,600	1,600
Mountain:	594	611	614	617
Arizona ²	(D)	940	(D)	(D)
Colorado	680	760	760	760
Idaho	1,220	1,220	1,250	1,300
Montana	580	640	650	650
Nevada ²	(D)	(D)	(D)	(D)
New Mexico ²	320	360	340	350
Utah ²	950	1,050	1,050	1,040
Wyoming	470	490	510	510
Pacific:	1,590	1,610	1,630	1,640
California	2,650	2,700	2,700	2,700
Oregon	620	630	660	680
Washington	800	810	820	840
United States ³	1,170	1,300	1,330	1,330

(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, 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, 2015–2016

State	2015				2016			
	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	60.50	98.00	59.00	23.00	57.00	101.00	55.00	22.00
Arizona	215.00	215.00			222.00	222.00		2.00
Arkansas	106.00	128.00	54.00	18.00	104.00	128.00	47.00	20.00
California	329.00	425.00		14.00	309.00	440.00	30.00	16.00
Colorado	74.50	140.00	28.00	5.00	73.50	142.00	29.00	5.80
Connecticut							60.00	
Delaware	97.50				110.00	150.00	90.00	
Florida	110.00	200.00	60.00	13.00	102.00	227.00	50.00	15.00
Georgia	110.00	191.00	63.00	28.00	108.00	189.00	63.00	26.00
Hawaii				0	209.00	350.00	160.00	12.00
Idaho	158.00	205.00	65.00	12.00	168.00	225.00	61.00	13.00
Illinois	228.00	240.00	228.00	35.00	221.00	244.00	220.00	36.00
Indiana	197.00	262.00	195.00	0	192.00	250.00	190.00	38.00
Iowa	250.00		250.00	50.00	235.00	240.00	235.00	52.00
Kansas	65.50	124.00	58.00	20.00	64.00	129.00	56.00	19.00
Kentucky	148.00		147.00	27.00	143.00	220.00	142.00	27.00
Louisiana	90.50	115.00	72.00	17.00	84.50	100.00	72.00	18.00
Maine							53.50	
Maryland			95.00	0	104.00	175.00	100.00	45.00
Massachusetts					71.00	212.00	53.00	
Michigan	118.00	220.00	110.00	0	127.00	220.00	120.00	30.00
Minnesota	181.00	210.00	180.00	28.00	170.00	185.00	170.00	30.00
Mississippi	116.00	137.00	87.00	19.00	116.00	140.00	84.00	18.00
Missouri	132.00	173.00	127.00	34.00	129.00	180.00	122.00	32.00
Montana	33.00	83.00	26.00	5.80	32.00	78.00	26.50	6.60
Nebraska	206.00	254.00	160.00	28.50	196.00	243.00	150.00	24.00
Nevada				0	135.00	135.00		16.00
New Hampshire					43.00		41.00	
New Jersey	67.00				72.00	112.00	60.00	40.00
New Mexico	93.00				98.50	155.00	17.00	3.00
New York	59.50		58.00	0	59.00	150.00	58.00	25.00
North Carolina	88.50	102.00	88.00	27.00	83.50	102.00	83.00	27.00
North Dakota	69.00	161.00	68.00	18.00	68.00	166.00	67.00	17.00
Ohio	150.00		150.00	0	150.00	165.00	150.00	27.00
Oklahoma	33.50	67.00	32.00	12.00	32.00	67.00	30.00	13.50
Oregon	146.00	200.00	85.00	15.00	137.00	200.00	80.00	12.00
Pennsylvania	82.50		82.00	0	79.00	155.00	78.00	30.00
South Carolina	44.00	91.00	41.00	0	45.50	100.00	41.00	18.00
South Dakota	126.00	186.00	125.00	27.00	121.00	192.00	120.00	24.00
Tennessee	101.00	165.00	98.00	20.00	97.00	165.00	94.00	20.00
Texas	39.00	82.00	29.00	7.50	38.00	90.00	27.00	6.80
Utah	68.50	92.00			68.50	88.00	25.50	5.00
Vermont				0	48.50		48.00	20.50
Virginia	57.50	95.00	56.00	21.00	57.50	105.00	55.00	20.00
Washington	208.00	345.00	75.00		195.00	345.00	72.00	9.00
West Virginia	40.00		40.00	0	40.00		40.00	12.00
Wisconsin	134.00	225.00	130.00	34.00	137.00	243.00	131.00	35.00
Wyoming					62.00	93.00	14.50	5.30

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-16.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 2007–2016

Item	2007	2008	2009	2010	2011
	<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	1,549.0	1,568.6	1,560.6	1,660.1	1,802.7
Non-real estate:					
Livestock and poultry ¹	89.4	86.2	80.3	90.7	101.4
Machinery and motor vehicles ²	194.8	189.1	191.6	207.6	223.8
Crops ³	54.2	58.8	53.4	57.2	62.5
Purchased inputs	16.0	19.5	18.7	19.8	21.0
Financial	55.6	78.8	67.0	129.6	101.5
Total	1,961.9	2,005.9	1,976.9	2,170.8	2,318.7
Claims					
Liabilities:					
Real estate	131.7	147.9	146.0	154.1	167.2
Non-real estate	109.0	113.2	122.4	124.9	127.3
Total liabilities⁴	240.7	261.1	268.3	278.9	294.5
Equity	1,721.2	1,744.8	1,708.6	1,891.9	2,024.2
Ratio:	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Debt/equity	14.0	15.0	15.7	14.7	14.5
Debt/assets	12.3	13.0	13.6	12.8	12.7
	<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	2,073.7	2,251.0	2,383.2	2,395.4	2,443.4
Non-real estate:					
Livestock and poultry ¹	95.7	110.8	127.9	118.2	109.0
Machinery and motor vehicles ²	244.0	247.3	245.7	239.5	255.4
Crops ³	64.8	60.5	61.7	52.5	55.7
Purchased inputs	21.5	20.6	20.1	16.4	14.9
Financial	131.9	78.2	102.8	80.2	70.8
Total	2,638.2	2,776.1	2,949.2	2,909.7	2,956.5
Claims					
Liabilities:					
Real estate	173.4	185.2	196.8	208.8	225.5
Non-real estate debt to	124.2	130.2	148.4	148.0	147.9
Total liabilities⁴	297.5	315.3	345.2	356.7	373.5
Equity	2,340.7	2,460.8	2,604.0	2,552.9	2,583.1
Ratio:	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Debt/equity	12.7	12.8	13.3	14.0	14.5
Debt/assets	11.3	11.4	11.7	12.3	12.6

Note: Data as of August 30, 2017. 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. ²Horses and mules are excluded. ³Includes only farm share value for trucks and autos. ⁴All non-CCC crops held on farms plus the value above loan rate for crops held under CCC. ⁵Excludes 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, 2008–2016

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

¹ Includes 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. ² Applies to hired workers only (excludes pay for agricultural service workers). ³ The Agriculture (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, 2016¹

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 10–16, 2016</i>					
Northeast I	24	12.17	10.71	11.50	12.26
Northeast II	29	12.14	12.36	12.25	13.20
Appalachian I	18	11.63	10.44	11.00	11.88
Appalachian II	15	11.24	11.26	11.25	11.85
Southeast	22	10.76	9.87	10.40	11.02
Florida	43	10.55	12.70	10.87	11.74
Lake	47	12.13	12.08	12.10	12.59
Cormbelt I	31	11.96	13.54	12.75	13.41
Cormbelt II	19	13.26	12.97	13.05	13.23
Delta	18	10.54	10.25	10.40	10.80
Northern Plains	30	14.39	12.83	13.30	13.96
Southern Plains	48	11.40	11.59	11.50	11.83
Mountain I	19	12.88	11.51	11.80	12.32
Mountain II	11	11.66	12.26	12.00	13.42
Mountain III	22	11.41	11.81	11.55	12.83
Pacific	48	12.26	13.09	12.35	13.22
California	132	12.05	12.65	12.16	13.65
Hawaii	6	12.95	15.40	13.15	15.05
United States	582	11.84	12.02	11.91	12.83
<i>April 10–16, 2016</i>					
Northeast I	34	12.48	10.86	11.90	12.60
Northeast II	33	12.30	11.98	12.15	13.14
Appalachian I	26	10.89	10.73	10.85	11.38
Appalachian II	20	11.24	11.16	11.20	11.81
Southeast	28	10.72	10.05	10.50	11.01
Florida	37	11.05	12.85	11.37	12.33
Lake	58	11.79	11.92	11.85	12.31
Cormbelt I	47	12.66	13.06	12.80	13.23
Cormbelt II	22	12.89	13.26	13.10	13.17
Delta	29	10.45	10.45	10.45	10.70
Northern Plains	34	14.10	13.08	13.50	13.99
Southern Plains	56	11.42	11.65	11.55	11.97
Mountain I	26	12.22	11.27	11.75	12.19
Mountain II	14	11.26	11.95	11.55	12.79
Mountain III	21	11.42	11.88	11.60	13.01
Pacific	59	12.30	12.90	12.35	12.92
California	153	12.35	12.85	12.43	13.61
Hawaii	6	12.70	15.40	12.93	14.85
United States	703	12.00	12.01	12.00	12.75

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, 2016¹—Continued

Region ²	Workers on farms		Type of worker			All hired workers ³
	Hired	Field	Livestock	Field and livestock		
	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>July 10–16, 2016</i>						
Northeast I	42	13.27	11.87	12.75	13.85	
Northeast II	59	11.81	12.41	12.00	12.77	
Appalachian I	49	11.21	11.43	11.25	11.77	
Appalachian II	24	10.57	10.98	10.70	11.22	
Southeast	34	10.50	11.00	10.65	11.22	
Florida	30	10.85	12.30	11.08	12.41	
Lake	58	12.87	12.23	12.60	13.24	
Cormbelt I	40	13.12	12.52	12.90	13.54	
Cormbelt II	27	13.05	13.27	13.15	13.72	
Delta	34	10.26	10.48	10.30	10.60	
Northern Plains	34	15.17	12.83	14.10	14.49	
Southern Plains	52	11.47	11.74	11.60	12.10	
Mountain I	28	11.96	11.33	11.65	12.16	
Mountain II	23	10.93	10.48	10.70	11.09	
Mountain III	20	10.41	10.36	10.40	11.42	
Pacific	100	13.71	13.58	13.70	14.07	
California	180	12.60	13.55	12.76	13.95	
Hawaii	6	12.85	16.90	13.27	14.88	
United States	840	12.32	12.15	12.27	13.02	
<i>October 9–15, 2016</i>						
Northeast I	41	13.64	11.80	13.00	13.99	
Northeast II	53	12.36	12.48	12.40	13.26	
Appalachian I	47	11.38	12.36	11.60	12.24	
Appalachian II	28	10.45	11.35	10.75	11.31	
Southeast	36	10.57	11.44	10.80	11.29	
Florida	33	11.00	12.50	11.20	12.48	
Lake	59	14.82	12.78	14.10	14.67	
Cormbelt I	42	13.85	12.72	13.50	13.87	
Cormbelt II	35	13.33	12.84	13.15	13.64	
Delta	32	10.40	10.42	10.40	10.68	
Northern Plains	34	15.33	12.50	14.15	14.56	
Southern Plains	51	11.33	12.06	11.70	12.19	
Mountain I	27	12.01	10.94	11.50	12.12	
Mountain II	20	10.84	10.31	10.55	11.03	
Mountain III	21	10.22	10.13	10.20	11.13	
Pacific	68	14.48	14.20	14.45	14.94	
California	165	12.65	13.50	12.79	13.95	
Hawaii	6	12.80	16.65	13.20	14.86	
United States	798	12.59	12.25	12.50	13.25	

¹ Includes 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. ² Multi-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. ³ Includes field workers, livestock workers, supervisors, and others, excluding agricultural service workers.

NASS, Economic, Environmental and Demographics Branch, (202) 720-6146.

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, 2014–2016¹

Characteristics	Workers			Median Weekly Earnings ²		
	2014	2015	2016	2014	2015	2016
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
All workers	828	877	925	400	440	481
15–19 years old	72	65	74	184	192	204
20–24 years old	101	88	95	400	368	480
25–34 years old	203	226	221	450	462	559
35–44 years old	161	192	196	438	441	500
45–54 years old	142	157	189	462	464	518
55 years old and older	149	148	150	470	450	480
Male	670	701	741	447	461	520
Female	158	176	184	360	360	400
White ³	404	410	436	461	480	550
Black and other races ³	44	46	39	*	*	*
Hispanic	380	421	450	400	420	480
Schooling completed						
Less than 5th grade	69	68	66	360	420	450
5th–8th grade	155	162	160	400	400	400
9th–12th grade (no diploma) ..	156	171	175	380	400	416
High school diploma	238	256	291	440	440	536
Beyond high school	211	220	233	550	600	610
Full-time (35 or more hours per week) ⁴	681	734	789	455	480	538
Part-time (less than 35 hours per week) ⁴	146	140	135	201	208	200

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, 2007–2016

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>
2007	98,318	53,999	304,376	320,369	3,033.5	3,904.5
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	96,450	47,401	306,161	319,242	2,565.9	4,738.7

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, Temples, 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, 2015–2016

Crop	Area harvested		Yield per acre		
	2015	2016	Unit	2015	2016
	1,000 acres	1,000 acres			
Grains and hay:					
Barley	3,158	2,558	Bushels	69.1	77.9
Corn for grain	80,753	86,748	Bushels	168.4	174.6
Corn for silage	6,237	6,186	Tons	20.4	20.3
Hay, all	54,447	53,461	Tons	2.47	2.52
Alfalfa	17,778	16,885	Tons	3.32	3.45
All other	36,669	36,576	Tons	2.06	2.09
Oats	1,276	981	Bushels	70.2	66.0
Proso millet	418	413	Bushels	33.9	30.4
Rice	2,585	3,097	Pounds	7,472	7,237
Rye	365	414	Bushels	31.8	32.5
Sorghum for grain	7,851	6,163	Bushels	76.0	77.9
Sorghum for silage	306	298	Tons	14.6	14.0
Wheat, all	47,318	43,890	Bushels	43.6	52.6
Winter	32,346	30,222	Bushels	42.5	55.3
Durum	1,911	2,365	Bushels	44.0	44.0
Other spring	13,061	11,303	Bushels	46.2	47.2
Oilseeds:					
Canola	1,713.5	1,685.7	Pounds	1,680	1,824
Cottonseed	(X)	(X)	Tons	(X)	(X)
Flaxseed	456	367	Bushels	22.1	23.7
Mustard Seed	40.1	98.2	Pounds	671	980
Peanuts	1,560.9	1,547.0	Pounds	3,845	3,675
Rapeseed	1.1	10.5	Pounds	1,382	1,840
Safflower	161.1	154.4	Pounds	1,356	1,425
Soybeans for beans	81,732	82,736	Bushels	48.0	52.1
Sunflower	1,799.4	1,534.0	Pounds	1,625	1,731
Cotton, tobacco and sugar crops:					
Cotton, all	8,074.9	9,521.7	Pounds	766	855
Upland	7,920.0	9,332.0	Pounds	755	844
American Pima	154.9	189.7	Pounds	1,342	1,411
Sugarbeets	1,145.4	1,126.2	Tons	30.9	32.7
Sugarcane	874.7	915.6	Tons	36.7	36.0
Tobacco	328.7	319.7	Pounds	2,188	1,967
Dry beans, peas and lentils:					
Austrian winter peas	21.0	28.0	Cwt	1,238	1,704
Dry edible beans	1,708.4	1,558.6	Cwt	1,759	1,842
Chickpeas, all	202.3	320.0	Cwt	1,242	1,702
Large	130.6	209.2	Cwt	1,230	1,677
Small	71.7	110.8	Cwt	1,264	1,749
Dry edible peas	1,083.5	1,329.8	Cwt	1,687	2,086
Lentils	475.0	908.0	Cwt	1,108	1,397
Wrinkled seed peas	(NA)	(NA)	Cwt	(NA)	(NA)
Potatoes and miscellaneous:					
Hops	43.6	50.9	Pounds	1,807	1,713
Maple Syrup	(NA)	(NA)	Pounds	(NA)	(NA)
Mushrooms	(NA)	(NA)	Pounds	(NA)	(NA)
Peppermint oil	65.3	65.3	Pounds	90	89
Potatoes, all	1,054.4	1,007.7	Cwt	418	437
Spring	72.5	48.0	Cwt	286	316
Summer	47.1	60.7	Cwt	334	323
Fall	934.8	899.0	Cwt	433	452
Spearmint oil	25.8	24.5	Pounds	114	131
Sweet potatoes	153.1	163.3	Cwt	203	193
Taro (Hawaii)	0.3	(D)	Pounds	10,300	(D)

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

Table 9-23.—Crops: Production and value, United States, 2015–2016

Crop	Production			Value of production	
	Unit	2015	2016	2015	2016
		Thousands	Thousands	1,000 dollars	1,000 dollars
Grains and hay:					
Barley	Bushels	218,187	199,282	1,149,831	942,180
Corn for grain	Bushels	13,601,964	15,148,038	49,339,261	51,703,698
Corn for silage	Bushels	127,311	125,670	.....	.....
Hay, all	Tons	134,502	134,781	16,548,834	15,625,517
Alfalfa	Tons	58,974	58,263	8,471,797	7,472,392
All other	Tons	75,528	76,518	8,077,037	8,153,125
Oats	Bushels	89,535	64,770	214,575	151,335
Proso millet	Bushels	14,159	12,558	41,547	33,689
Rice	Cwt	193,148	224,145	2,421,955	2,370,845
Rye	Bushels	11,616	13,451	75,497	69,237
Sorghum for grain	Bushels	596,751	480,261	2,064,638	1,351,427
Sorghum for silage	Bushels	4,475	4,171	.....	.....
Wheat, all	Bushels	2,061,939	2,309,675	10,018,323	9,104,215
Winter	Bushels	1,374,690	1,671,532	6,555,216	6,109,342
Durum	Bushels	84,009	104,116	615,160	621,267
Other Spring	Bushels	603,240	534,027	2,847,947	2,373,606
Oilseeds:					
Canola	Pounds	2,878,470	3,075,200	448,552	493,833
Cottonseed	Tons	4,043.0	5,418.0	932,894	1,060,034
Flaxseed	Bushels	10,095	8,680	90,561	70,232
Mustard Seed	Pounds	26,927	96,270	8,567	31,607
Peanuts	Pounds	6,001,357	5,684,610	1,160,560	1,077,480
Rapeseed	Pounds	1,520	19,320	656	4,867
Safflower	Pounds	218,451	220,090	53,515	45,475
Soybeans for beans	Bushels	3,926,339	4,306,671	35,192,058	40,943,775
Sunflower	Pounds	2,923,730	2,654,735	574,156	470,120
Cotton, tobacco and sugar crops:					
Cotton, all	Bales	12,888.0	16,958.5	3,988,978	5,672,081
Upland	Bales	12,455.0	16,401.0	3,743,765	5,302,092
American Pima	Bales	433.0	557.5	245,213	369,989
Sugarbeets	Tons	35,371	36,881	1,667,874	1,310,125
Sugarcane	Tons	32,122	32,988	995,122	1,043,953
Tobacco	Pounds	719,171	628,720	1,440,645	1,269,025
Dry Beans, peas and lentils:					
Austrian winter peas	Cwt	260	477	6,092	9,230
Dry edible beans	Cwt	30,057	28,712	866,222	871,407
Chickpeas, all	Cwt	2,513	5,447	61,044	128,019
Large	Cwt	1,607	3,509	38,449	77,889
Small	Cwt	906	1,938	22,595	50,130
Dry edible peas	Cwt	18,283	27,737	229,391	298,208
Lentils	Cwt	5,263	12,685	162,247	350,985
Wrinkled seed peas	Cwt	384	439	11,347	13,191
Potatoes and miscellaneous:					
Hops	Pounds	78,846.0	87,139.6	345,388	498,420
Maple Syrup	Gallons	3,434	4,207	125,890	147,208
Mushrooms	Pounds	927,823	945,639	1,191,357	1,190,672
Peppermint oil	Pounds	5,888	5,800	128,610	121,474
Potatoes, all	Cwt	441,205	440,725	3,865,538	3,922,711
Spring	Cwt	20,770	15,171	.....	.....
Summer	Cwt	15,734	19,602	.....	.....
Fall	Cwt	404,701	405,952	.....	.....
Spearmint oil	Pounds	2,930	3,208	53,664	55,864
Sweet potatoes	Cwt	31,016	31,546	675,583	705,690
Taro (Hawaii)	Pounds	3,502	(D)	2,381	2,312

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

Table 9-24.—Fruits and nuts: Bearing acreage and yield, United States, 2015–2016

Crop	Bearing acreage		Yield per acre		
	2015	2016	Unit	2015	2016
	Acres	Acres			
Noncitrus fruits:					
Apples	323,780	322,600	Tons	15.50	17.50
Apricots	10,220	9,700	Tons	4.47	6.60
Avocados	59,280	57,430	Tons	3.86	3.01
Bananas (Hawaii) ¹	800	700	Tons	5.75	4.00
Blackberries (Oregon) ^{1 2}	6,920	7,000	Tons	3.68	4.15
Blueberries Cultivated ¹	91,220	92,800	Tons	3.07	3.17
Blueberries Wild (Maine) ³	22,400	23,100	Tons	2.26	2.20
Boysenberries (Oregon) ¹	350	340	Tons	3.50	3.16
Cherries, Sweet	91,830	91,700	Tons	3.65	3.82
Cherries, Tart	38,050	37,400	Tons	3.32	4.40
Coffee (Hawaii)	6,900	7,000	Tons	2.30	2.09
Cranberries	40,900	41,500	Tons	10.30	11.50
Dates (California)	10,200	12,400	Tons	3.82	3.07
Figs (California)	6,400	6,100	Tons	4.95	5.18
Grapes	1,025,700	1,013,000	Tons	7.43	7.57
Guava (Hawaii) ²	(NA)	(NA)	Tons	(NA)	(NA)
Kiwifruit (California)	3,900	3,700	Tons	5.36	7.65
Nectarines	21,200	20,200	Tons	8.28	8.31
Olives (California)	36,000	35,000	Tons	4.97	4.56
Papayas (Hawaii) ¹	1,500	1,300	Tons	9.10	7.60
Peaches	99,790	94,070	Tons	8.49	8.46
Pears	48,940	46,300	Tons	16.70	16.00
Plums (California)	17,800	18,700	Tons	5.96	7.25
Prunes (California)	47,000	45,000	Tons	6.91	3.48
Prunes and plums ⁴	2,420	(NA)	Tons	4.00	(NA)
Raspberries ¹	21,920	21,660	Tons	6.60	7.00
Strawberries ¹	58,010	52,500	Tons	26.40	29.85
Tree nuts:					
Almonds (California) ⁵	920,000	940,000	Tons	1.78	1.92
Hazelnuts (Oregon) ⁵	34,000	37,000	Tons	0.91	1.19
Macadamia (Hawaii) ⁵	16,000	16,000	Tons	1.47	1.32
Pecans ¹	(NA)	392,700	Tons	(NA)	0.34
Pistachios (California) ⁵	233,000	239,000	Tons	0.58	1.88
Walnuts (California) ⁵	300,000	315,000	Tons	2.02	2.18
Citrus fruits:					
Oranges ⁶	551,400	529,900	Boxes	257	227
Grapefruit ⁶	64,100	60,400	Boxes	303	274
Lemons ⁶	54,500	54,300	Boxes	415	408
Tangelos (Florida) ⁶	2,500	(NA)	Boxes	156	(NA)
Tangerines and Mandarins ⁶	65,300	66,400	Boxes	354	384

(NA) Not available. ¹Harvested acreage. Yield based on utilized production. ²Cultivated. ³Bearing acreage and yield not estimated. ⁴Idaho, Michigan, Oregon, and Washington. ⁵Yield based on in-shell basis. ⁶Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the the year of harvest.

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

Table 9-25.—Fruits and nuts: Production and value, United States, 2015–2016

Crop	Total production		Value of utilized production	
	2015	2016	2015	2016
	1,000 tons ¹	1,000 tons ¹	1,000 dollars	1,000 dollars
Noncitrus fruits:				
Apples	5,023.0	5,636.8	4,983.2	5,414.7
Apricots	45.7	64.1	45.5	64.0
Avocados	229.0	172.6	229.0	171.4
Bananas (Hawaii) ²	4.6	2.8	4.5	2.8
Blackberries (Oregon)	25.6	29.2	38.0	26.4
Blueberries Cultivated	283.3	296.8	825.5	720.2
Blueberries Wild (Maine)	50.6	50.9	47.2	27.7
Boysenberries (Oregon)	1.2	1.1	2.7	1.3
Cherries, Sweet	335.5	350.2	333.9	343.1
Cherries, Tart	126.3	164.7	125.6	161.9
Coffee	15.9	14.6	15.1	14.3
Cranberries	428.2	481.4	261.1	292.3
Dates (California)	39.0	38.0	39.0	38.0
Figs (California)	31.7	31.6	31.7	31.6
Grapes	7,621.2	7,669.0	7,621.1	7,666.9
Guava (Hawaii) ²	(NA)	(NA)	(NA)	(NA)
Kiwifruit (California)	20.9	28.3	20.9	28.3
Nectarines	175.5	168.0	173.2	167.8
Olives (California)	179.0	159.6	179.0	159.6
Papayas (Hawaii) ²	13.7	9.9	12.6	9.9
Peaches	847.2	795.6	605.8	628.7
Pears	816.5	738.8	803.1	735.9
Plums (California)	106.0	135.5	105.0	134.5
Prunes (California)	324.8	156.6	319.0	156.6
Prunes and plums ³	9.7	(NA)	9.7	(NA)
Raspberries	146.5	151.9	144.5	151.7
Strawberries ⁴	(NA)	1,566.1	1,532.8	1,566.0
Nuts:				
Almonds, shelled (California)	(NA)	(NA)	5,868,750	5,158,160
Hazelnuts, in-shell (Oregon)	(NA)	(NA)	86,800	118,800
Macadamia, in-shell (Hawaii)	(NA)	(NA)	45,590	42,000
Pecans, in-shell	(NA)	(NA)	560,216	696,806
Pistachios, in-shell (California)	(NA)	(NA)	888,300	1,506,120
Walnuts, in-shell (California)	(NA)	(NA)	1,012,020	1,241,660
Citrus fruits^{2,4}:				
Grapefruit	803	682	254,318	249,960
Lemons	904	886	755,086	773,233
Oranges	6,088	5,164	1,152,606	1,107,327
Tangelos (Florida)	18	(NA)	8,784	(NA)
Tangerines and mandarins	935	1,033	490,217	571,473

(NA) Not available. ¹Tons refers to the 2,000 lb. short Tons. ²Only utilized production estimated. ³Production is shelled basis. ⁴Value of production is packinghouse-door equivalent.
 NASS, Crops Branch, (202) 720-2127.

Table 9-26.—Vegetables, commercial: Area harvested and yield, United States, 2015–2016

Crop	Area harvested		Yield per harvested acre		
	2015	2016 ¹	Unit	2015	2016 ¹
	Acres	Acres			
Fresh market:					
Artichokes ²	6,800	6,800	Cwt	135	145
Asparagus ²	21,700	22,000	Cwt	29	32
Beans, lima	0	28,000	Cwt	0	33
Beans, snap	71,170	236,000	Cwt	56	85
Broccoli ²	124,400	131,300	Cwt	176	171
Cabbage	55,920	57,300	Cwt	361	396
Cantaloups	52,100	54,000	Cwt	260	255
Carrots	74,550	84,000	Cwt	345	361
Cauliflower ²	37,210	37,000	Cwt	176	180
Celery ²	27,700	28,900	Cwt	618	590
Corn, sweet	229,090	482,500	Cwt	122	149
Cucumbers	37,980	118,700	Cwt	177	150
Garlic ²	25,200	24,600	Cwt	162	320
Honeydews	14,400	11,000	Cwt	262	377
Lettuce					
Head	119,000	126,300	Cwt	362	224
Leaf	55,100	59,200	Cwt	258	301
Romaine	87,000	96,200	Cwt	303	542
Onions ²	133,600	132,600	Cwt	503	48
Pea, green	0	142,300	Cwt	0	337
Peppers, bell ²	40,900	46,300	Cwt	371	235
Peppers, chile ²	18,100	20,000	Cwt	223	241
Pumpkins ²	40,900	66,600	Cwt	184	150
Spinach	41,190	47,500	Cwt	148	169
Squash ²	38,690	36,300	Cwt	155	153
Tomatoes	92,200	356,900	Cwt	286	805
Watermelons	116,450	113,600	Cwt	303	354
Processing:					
Beans, lima	29,200	.....	Tons	1.72	.....
Beans, snap	158,920	.....	Tons	4.81	.....
Carrots	11,020	.....	Tons	26.68	.....
Corn, sweet	307,500	.....	Tons	8.09	.....
Cucumbers	85,110	.....	Tons	6.27	.....
Peas, green	166,200	.....	Tons	2.47	.....
Spinach	7,200	.....	Tons	10.44	.....
Tomatoes	310,600	.....	Tons	47.5	.....

¹Beginning 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. 2016 includes only total harvested acres and total yield. ²Includes processing total for dual usage crops.

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

Table 9-27.—Vegetables, commercial: Production and value, United States, 2015–2016

Crop	Production			Value of utilized production	
	Unit	2015	2016 ¹	2015	2016 ¹
		Thousands	Thousands	1,000 dollars	1,000 dollars
Fresh market:					
Artichokes ²	Cwt	918	986	80,600	69,119
Asparagus ²	Cwt	629	546	67,864	61,694
Beans, lima	Cwt	-	13	2,057	2,057
Beans, snap	Cwt	3,952	4,168	234,934	282,655
Broccoli ²	Cwt	21,888	21,938	1,058,770	838,455
Cabbage	Cwt	20,178	18,449	389,340	402,119
Cantaloups	Cwt	13,552	13,764	264,131	207,498
Carrots	Cwt	25,740	22,207	784,265	771,174
Cauliflower ²	Cwt	6,559	6,616	401,747	388,154
Celery ²	Cwt	17,110	16,698	424,664	354,692
Corn, sweet	Cwt	6,725	23,593	787,581	665,521
Cucumbers	Cwt	4,089	6,982	175,762	182,297
Garlic ²	Cwt	3,769	1,181	321,006	218,485
Honeydews	Cwt	43,108	3,520	85,343	67,584
Lettuce					
Head	Cwt	14,233	47,601	1,253,150	1,319,535
Leaf	Cwt	26,335	13,264	850,238	658,962
Romaine	Cwt	67,184	28,946	1,046,571	902,476
Onions ²	Cwt	-	44,625	1,039,325	743,347
Pea, green	Cwt	15,155	67	7,850	7,850
Peppers, bell ²	Cwt	4,034	13,602	732,699	700,337
Peppers, chile ²	Cwt	7,538	2,292	135,743	81,864
Pumpkins ²	Cwt	6,076	10,305	90,214	185,039
Spinach	Cwt	6,016	5,566	343,575	281,793
Squash ²	Cwt	27,952	4,584	174,259	149,897
Tomatoes	Cwt	26,375	23,593	1,221,270	963,028
Watermelons	Cwt	35,475	40,125	488,383	578,800
Processing:					
Beans, lima	Tons	50,255	45,223	29,950	23,340
Beans, snap	Tons	764,900	791,891	178,578	158,610
Carrots	Tons	294,000	404,950	36,095	47,009
Corn, sweet	Tons	533,460	2,516,634	255,480	231,149
Cucumbers	Tons	411,320	535,281	172,715	162,003
Peas, green	Tons	75,200	340,480	131,568	87,866
Spinach	Tons	2,488,110	78,450	10,394	10,790
Tomatoes	Tons	14,754,350	13,189,801	1,381,956	1,092,749

¹Beginning 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 includes fresh market utilized production and value of production and processing utilized production and value of production. ²Includes processing total for dual usage crops.

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

Table 9-28.—Livestock and livestock products: Production and value, United States, 2014–2016

Product	Production ¹			Value of production		
	2014	2015	2016	2014	2015	2016
	Millions	Millions	Millions	1,000 dollars	1,000 dollars	1,000 dollars
Eggs	100,879	97,208	101,953	10,257,972	13,608,194	6,483,307
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars
Cattle and calves	40,171,339	41,339,613	42,724,691	59,921,694	59,835,760	48,625,860
Hogs	32,182,241	34,855,829	35,611,034	24,152,893	18,877,308	17,215,130
Broilers ²	51,378,700	53,376,200	54,259,100	32,728,234	28,716,398	25,935,852
Mature chickens	952,136	996,588	1,044,040	96,151	103,206	84,869
Turkeys ³	7,217,006	7,038,136	7,486,978	5,304,501	5,707,928	6,184,247
Milk	206,054,000	208,597,000	212,436,000	49,589,494	35,904,346	34,710,080
Catfish ^{3,4}	320,741	328,985	331,370	351,940	363,610	385,985
Trout ^{3,4}	62,720	60,004	60,921	103,216	104,393	104,941
Honey	178,270	156,544	161,882	387,381	326,081	335,905
Wool (shorn)	26,680	27,015	25,740	38,909	39,205	37,214
Mohair	880	765	800	4,272	4,052	3,650

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, 2015–2016

Commodity	Unit	Marketing year average price ¹		Parity price ²	
		2015	2016	2015	2016
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Basic commodities:					
Cotton:					
Upland	pound	0.612	0.680	1.95	1.94
Extra long staple(American Pima)	pound	1.18	1.37	4.02	3.85
Wheat	bushel	4.89	3.89	18.50	18.10
Rice	cwt	12.20	10.40	39.70	39.70
Corn	bushel	3.61	3.36	13.10	13.00
Peanuts	pound	0.193	0.197	0.71	0.666
Tobacco:					
Flue-cured, types (class 1)	pound	1.87	1.96	5.36	5.21
Types 21	pound	2.68	2.70	7.66	7.38
Burley, type 31	pound	1.93	1.92	5.36	5.18
Maryland, type 32 ³	pound	1.80	1.86	5.06	4.95
Dark air-cured, types 35–36	pound	2.37	2.39	6.92	6.66
Sun-cured, type 37	pound	(NA)	(NA)	6.95	6.81
Pa., seedleaf, type 41	pound	2.30	2.47	5.36	5.33
Cigar binder type 51	pound	(D)	(NA)	18.70	18.20
Puerto Rican filler, type 46	pound	(NA)	(NA)	4.59	4.49
Cigar wrapper, type 61	pound	(NA)	(NA)	74.90	70.40
Designated nonbasic commodities:					
All milk, sold to plants	cwt	17.21	16.34	54.10	52.10
Honey, all	pound	2.083	2.075	4.44	4.55
Wool and mohair:					
Wool ⁴	pound	1.45	1.45	3.46	3.50
Mohair ⁵	pound	5.30	4.56	11.20	11.40
Other nonbasic commodities:					
Field crops and miscellaneous:					
Austrian winter peas	cwt	21.00	18.30	(NA)	(NA)
Barley	bushel	5.52	4.96	13.80	14.00
Beans, dry edible	cwt	27.30	30.20	96.20	93.00
Cottonseed	ton	227	195	568	579
Crude pine gum	barrel	(NA)	(NA)	411	403
Flaxseed	bushel	8.95	8.10	34.60	33.30
Hay, all, baled	ton	145	129	439	426
Hops	pound	4.38	5.72	9.62	9.79
Lentils	cwt	31	28.5	67.5	68.9
Oats	bushel	2.12	2.06	8.73	8.57
Peas, dry edible	cwt	12.80	11.00	55.90	54.70
Peppermint oil	pounds	21.80	20.90	57.70	57.90
Popcorn, shelled basis	cwt	(NA)	(NA)	53.60	52.40
Potatoes	cwt	8.76	9.08	25.00	24.80
Rye	bushel	6.50	5.12	18.20	18.20
Sorghum grain	cwt	5.91	4.98	22.40	22.50
Soybeans	bushel	8.95	9.47	32.00	31.30
Spearmint oil	pound	18.30	17.40	48.50	49.20
Sweet potatoes	cwt	21.80	20.70	61.50	60.20
Fruits:					
Citrus (equiv. on-tree): ⁶					
Grapefruit	box	7.44	10.58	23.90	19.10
Lemons	box	25.10	27.04	44.09	46.90
Oranges	box	10.60	9.65	23.80	25.10
Tangerines	box	18.85	24.39	51.70	51.80
Deciduous and other:					
Apples:					
For fresh consumption ⁷	pound	0.441	0.412	0.975	0.956
For processing ⁸	ton	201	213	535	530
Apricots:					
For fresh consumption ⁹	ton	1,580	1,200	3,520	3,360
Dried, California (dried basis) ⁸	ton	3,990	6,170	7,600	7,270
For processing (excl dried) ⁸	ton	.....	.....	1,140	1,080
Avocados ⁹	ton	1,890	1,840	5,400	5,150

See footnote(s) at end of table.

Table 9-31.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2015–2016—Continued

Commodity	Unit	Marketing year average price ¹		Parity price ²	
		2015	2016	2015	2016
		Dollars	Dollars	Dollars	Dollars
Deciduous and other—Continued					
Berries for processing:					
Blackberries (Oregon)	pound	0.682	0.411	18.30	18.00
Boysenberries (Oregon)	pound	1.12	0.626	2.0	2.55
Gooseberries	pound	(NA)	(NA)	1.09	1.07
Loganberries (Oregon)	pound	(NA)	(NA)	1.78	1.74
Raspberries, black (California, Oregon & Washington)	pound	(D)	(D)	3.14	3.07
Raspberries, red (California, Oregon & Washington)	pound	(D)	(D)	2.49	2.43
Cherries:					
Sweet	ton	2.25	2.25	6.36	6.05
Tart	pound	0.347	0.276	0.975	0.927
Cranberries ¹⁰	barrel	31.00	30.60	131	125
Dates, California ⁹	ton	1,560	1,780	4,490	4,260
Grapes:					
For all sales	ton	776	816	(NA)	(NA)
Raisin varieties dried, California (dried basis) ⁸	ton	1,560	1,030	4,260	4,050
Wine dried grapes	ton	781	904	1,970	1,880
Kiwi	ton	1,470	1,570	2,660	2,650
Nectarines (California):					
For fresh consumption ¹⁷	ton	944	911	1,800	1,750
For processing ¹⁸	ton	(NA)	(NA)	124	122
Olives (California): ¹¹					
For all sales	ton	894	865	(NA)	(NA)
Crushed for oil	ton	726	706	1,760	1,670
For all sales (excl crushed)	ton	1,120	1,040	2,550	2,430
For canning	ton	1,300	1,210	2,830	2,700
Papayas	pound	0.419	0.492	1.21	1.19
Peaches:					
For all sales	ton	734	807	(NA)	(NA)
For fresh consumption ⁷	ton	1,100	1,220	2,570	2,460
Dried, California (dried basis) ⁸	ton	588	583	1,370	1,340
For processing California (excl dried):					
Clingstone ¹¹	ton	470	518	990	944
Freestone ⁸	ton	418	442	789	753
Pears:					
For all sales	ton	615	646	(NA)	(NA)
For fresh consumption ⁷	ton	769	782	1,710	1,620
For processing (excl dried) ⁸	ton	341	349	1,400	683
Plums (California):					
For all sales ⁹	ton	998	813	(NA)	(NA)
For fresh consumption ¹⁷	ton	(D)	(D)	1,840	1,750
For processing ¹⁸	ton	(D)	(D)	500	319
Prunes, dried (California) ⁸	ton	2,050	1,600	4,650	4,460
Prunes and plums (excl California):					
For fresh consumption ¹²	ton	699	(NA)	1,860	1,770
For processing (excl dried) ⁸	ton	318	(NA)	707	689
Strawberries:					
For fresh consumption ¹³	cwt	79.90	82.20	267	258
For processing ⁸	cwt	46.70	43.70	100	99.60
Sugar crops:					
Sugarbeets	ton	47.20	35.50	158	152
Sugarcane for sugar	ton	31.20	32.50	105	102
Tree nuts: ¹⁴					
Almonds	pound	3.13	2.44	6.98	6.57
Hazelnuts	ton	2,800	2,700	6,570	6,280
Macadamia	pound	0.97	1.00	(NA)	(NA)
Pecans, all	pound	2.20	2.59	5.15	4.92
Pistachios	pound	3.29	1.68	6.72	6.57
Walnuts	ton	1,670	1,810	6,600	6,830

See footnote(s) at end of table.

Table 9-31.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2015–2016—Continued

Commodity	Unit	Marketing year average price ¹		Parity price ²	
		2015	2016	2015	2016
		Dollars	Dollars	Dollars	Dollars
Vegetables for fresh market: ¹³					
Artichokes, California	cwt	(NA)	70.10	135	132
Asparagus	cwt	116	113	331	327
Broccoli	cwt	49.10	38.20	112	112
Cabbage	cwt	19.30	21.80	63.00	61.70
Cantaloups	cwt	19.50	15.10	40.80	40.00
Carrots ¹⁵	cwt	30.50	34.70	77.80	77.30
Cauliflower ¹⁵	cwt	61.50	58.70	123	124
Celery ¹⁵	cwt	(NA)	21.20	58.90	59.40
Cucumbers	cwt	26.10	26.10	67.50	66.00
Eggplant	cwt	(NA)	(NA)	71.30	69.80
Escarole/Endive	cwt	(NA)	(NA)	91.70	89.80
Garlic	cwt	(NA)	185	86.70	84.90
Green peppers ¹⁵	cwt	48.30	47.10	107	104
Honeydew melons	cwt	22.60	19.20	58.60	56.80
Lettuce	cwt	29.10	27.70	64.20	65.40
Onions ¹⁵	cwt	15.50	16.70	41.70	41.10
Snap beans	cwt	59.40	67.80	133	131
Spinach	cwt	56.50	50.60	117	114
Sweet corn	cwt	28.20	28.20	79.30	76.20
Tomatoes	cwt	46.30	40.70	125	120
Watermelons	cwt	13.80	14.40	25.00	24.50
Vegetables for processing: ⁸					
Asparagus	ton	1650	1670	4200	4170
Beets	ton	(NA)	(NA)	231	226
Cabbage	ton	(NA)	228	178	174
Cucumbers	ton	324	305	(NA)	(NA)
Green peas	ton	320	258	1,040	1,000
Lima beans	ton	596	516	1,980	1,940
Snap beans	ton	233	200	654	654
Spinach	ton	138	138	429	420
Sweet corn	ton	103	91.80	311	310
Tomatoes	ton	93.70	82.80	236	235
Livestock and livestock products:					
All beef cattle	cwt	147	119	320	321
Cows	cwt	103	74.30	(NA)	(NA)
Steers and heifers	cwt	148	121	(NA)	(NA)
Calves	cwt	247	160	453	469
Beeswax	pound	(NA)	(NA)	8.61	8.43
Chickens:					
Broilers, live ¹⁸	pound	0.529	0.478	1.48	1.45
All Eggs	dozen	1.65	0.765	2.78	2.98
Hogs	cwt	55.30	49.30	172	165
Lambs	cwt	(NA)	(NA)	320	330
Milk cows ¹⁶	head	1990	1760	(NA)	(NA)
Sheep	cwt	(NA)	(NA)	113	127
Turkeys, live	pound	0.811	0.825	1.80	1.82

(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. Weighted average of prices at points of first sale. ¹⁴ Prices are in-shell basis except almonds which are shelled basis. ¹⁵ Includes some processing. ¹⁶ Simple average of States weighted by estimated Jan. 1 head for U.S. average. ¹⁷ Prices for fresh and processing breakdown no longer published to avoid disclosure of individual operations. ¹⁸ 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, 2007–2016
[1982=100]

Year	Total finished goods	Consumer foods	Total consumer goods	Total intermediate materials	Total crude materials
2007	166.6	167.0	173.5	170.7	207.1
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	190.5	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

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, 2007–2016¹
[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
2007	637	706	1,204	1,177	393	994	862	40
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)	754	(3)	(3)	(3)	1,317	1,021	34
2016	(3)	749	(3)	(3)	(3)	1,098	934	32

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, 2007–2016¹
(2011=100)

Year	Food grain	Feed grain	Cotton ²	Tobacco ²	Oilseed	Fruit & tree nut ³	Vegetable & melon	Other crop
2007	78.4	60.8	56.8	88.5	64.4	94.7	100.5	89.9
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	133.5	103.3	94.7
2015	75.5	62.7	.....	.....	75.9	138.2	108.8	83.9
2016	62.1	58.6	.....	.....	75.0	138.5	104.0	79.4

Year	Potato ⁴ & dry edible bean ⁵	Crop Production	Meat animal	Dairy product	Poultry & egg	Livestock Production	Agricultural Production	Parity ratio ⁶
2007	73.9	81.0	78.3	95.0	93.6	85.7	83.6	106.0
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 .....	.....	86.5	119.9	85.2	127.8	113.4	99.0	90.0
2016 .....	.....	85.9	96.1	81.1	100.4	94.5	90.5	85.0

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, 2007–2016
(2011=100)

Production indexes ¹										
Year	Production all commodities	Feed	Livestock & Poultry	Seeds	Fertilizer	Agricultural chemicals	Fuels	Supplies & Repairs	Autos & trucks	
2007	74.6	65.8	84.7	61.6	65.6	89.2	72.9	89.9	96.0	
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	110.3	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	110.4	106.7	147.1	114.3	87.2	106.5	63.5	105.8	105.5	
2016	103.4	101.4	105.2	111.5	71.8	107.7	55.6	106.0	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
2007	78.5	90.5	89.1	71.8	97.6	90.2	92.4	77.2	92.2	79.0
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	104.8	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	120.9	98.5	123.6	111.9	110.6	105.4	109.9
2016	115.4	107.6	115.6	117.3	105.0	122.8	115.9	105.0	106.7	105.2

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, 2007–2016¹
[1910–14=100]

Year	Family living	Production indexes							
		Production all commodities	Feed	Livestock & poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies & repairs
2007	1,969	1,552	725	1,671	2,024	790	801	2,038	1,060
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	2,298	1,168	2,904	3,754	1,050	957	1,775	1,248
2016	2,280	2,153	1,118	2,076	3,662	864	967	1,556	1,251

Year	Production indexes—Continued				Interest	Taxes	Wage rates	Production, interest, taxes, & wage rates	Commodities, interest, taxes, & wage rates ²
	Autos & trucks	Farm machinery	Building materials	Farm services & rent					
2007	2,949	4,794	2,104	1,746	3,560	5,356	6,618	2,178	2,138
2008	2,862	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	7,730	3,190	3,031
2015	3,243	7,003	2,497	2,474	3,592	7,335	8,015	3,120	2,974
2016	3,259	7,051	2,504	2,469	3,827	7,287	8,295	2,960	2,847

¹ Based on Consumer Price Index-Urban of Bureau of Labor Statistics. ² The index known as the Parity Index is the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Wage Rates expressed on the 1910–14=100 base.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-37.—Prices paid by farmers: April prices, by commodities, United States, 2012–2014¹

Commodity	Unit	2012	2013	2014
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fuels and energy:				
Diesel fuel ^{2 3}	Gal	3.740	3.570	3.537
Gasoline, service station, unleaded ⁴	Gal	3.837	3.684	3.595
Gasoline, service station, bulk delivery ⁴	Gal	3.862	3.696	3.569
L. P. gas, bulk delivery ²	Gal	2.233	2.009	2.151
Feeds:				
Alfalfa Meal	Cwt	26.60	31.20	32.10
Alfalfa Pellets	Cwt	27.10	30.90	31.90
Bran	Cwt	26.40	29.70	30.70
Beef Cattle Concentrate, 32-36% Protein	Ton	525.00	602.00	617.00
Corn Meal	Cwt	20.40	22.30	23.00
Cottonseed Meal, 41%	Cwt	27.80	31.40	32.90
Dairy Feed				
14% Protein	Ton	437.00	474.00	487.00
16% Protein	Ton	442.00	481.00	502.00
18% Protein	Ton	431.00	447.00	470.00
20% Protein	Ton	407.00	414.00	434.00
32% Protein Conc.	Ton	550.00	630.00	654.00
Hog Feed				
14-18% Protein	Ton	475.00	490.00	507.00
38-42% Protein Conc.	Ton	592.00	646.00	666.00
Molasses, Liquid	Cwt	23.20	24.70	25.70
Poultry Feed				
Broiler Grower	Ton	591.00	639.00	654.00
Chick Starter	Ton	597.00	628.00	644.00
Laying Feed	Ton	527.00	552.00	581.00
Turkey Grower	Ton	589.00	604.00	619.00
Soybean meal				
44%	Cwt	26.50	32.50	34.10
over 44%	Cwt	24.10	29.40	31.00
Stock Salt	50 Lb	6.33	6.43	6.60
Trace mineral blocks	50 Lb	7.59	7.80	8.07

See footnote(s) at end of table.

Table 9-37.—Prices paid by farmers: April prices, by commodities, United States, 2012–2014¹—Continued

Commodity	Unit	2012	2013	2014
		Dollars	Dollars	Dollars
Fertilizer:⁵				
0-15-40	Ton	(NA)	(NA)	(NA)
0-18-36	Ton	621.00	595.00	595.00
0-20-20	Ton	(NA)	(NA)	(NA)
3-10-30	Ton	527.00	504.00	480.00
5-10-10	Ton	(NA)	(NA)	(NA)
5-10-15	Ton	(NA)	(NA)	(NA)
5-10-30	Ton	547.00	596.00	600.00
5-20-20	Ton	601.00	590.00	580.00
6- 6- 6	Ton	(NA)	(NA)	(NA)
6- 6-18	Ton	555.00	571.00	575.00
6-12-12	Ton	(NA)	(NA)	(NA)
6-24-24	Ton	687.00	703.00	690.00
8- 8- 8	Ton	(NA)	(NA)	(NA)
8-20- 5	Ton	(NA)	(NA)	(NA)
8-32-16	Ton	(NA)	(NA)	(NA)
9-23-30	Ton	654.00	626.00	623.00
10- 3- 3	Ton	(NA)	(NA)	(NA)
10- 6- 4	Ton	(NA)	(NA)	(NA)
10-10-10	Ton	514.00	535.00	518.00
10-20-10	Ton	(NA)	(NA)	(NA)
10-20-20	Ton	638.00	613.00	572.00
10-34- 0	Ton	755.00	629.00	611.00
11-52- 0	Ton	719.00	691.00	620.00
13-13-13	Ton	601.00	606.00	620.00
15-15-15	Ton	(NA)	(NA)	(NA)
16- 0-13	Ton	(NA)	(NA)	(NA)
16- 4- 8	Ton	585.00	593.00	616.00
16- 6-12	Ton	537.00	529.00	522.00
16-16-16	Ton	(NA)	(NA)	(NA)
16-20- 0	Ton	626.00	646.00	619.00
17-17-17	Ton	641.00	640.00	598.00
18-46- 0 (DAP)	Ton	675.00	640.00	611.00
19-19-19	Ton	662.00	637.00	590.00
24- 8- 0	Ton	433.00	427.00	436.00
Ammonium Nitrate	Ton	574.00	544.00	560.00
Anhydrous Ammonia	Ton	785.00	847.00	851.00
Aqua Ammonia	Ton	266.00	262.00	253.00
Limestone, Spread on field	Ton	57.50	54.90	56.60
Muriate of Potash, 60–62% K2O	Ton	665.00	595.00	601.00
Nitrate of Soda	Ton	(NA)	(NA)	(NA)
Nitrogen Solutions.				
28% N	Ton	388.00	397.00	372.00
30% N	Ton	403.00	410.00	359.00
32% N	Ton	425.00	441.00	416.00
Sulfate of Ammonia	Ton	503.00	522.00	533.00
Superphosphate, 44-46% P2O5	Ton	729.00	701.00	621.00
Urea, 44-46% Nitrogen	Ton	644.00	592.00	571.00
Farm Machinery:				
Baler, Pick-Up, Automatic Tie, P.T.O.				
Square Conventional, Under 200 Lb Bales	Each	23,000	24,100	24,900
Round, 1200-1500 Lb Bale	Each	28,000	28,500	29,700
Round, 1900-2200 Lb Bale	Each	38,900	40,400	42,400
Chisel Plow, Maximum 1 Foot Depth				
Tillage, Chisel or Sweep Type, Drawn.				
Mounted, 16-20 Foot	Each	27,800	29,100	29,600
Mounted, 21-25 Foot	Each	39,300	41,600	42,100
Combine, Self Propelled with Grain head				
Extra-large capacity	Each	363,000	371,000	388,000
Large capacity	Each	295,000	305,000	315,000
Corn Head for combine				
6 Row	Each	42,700	45,300	47,400
8 Row	Each	57,800	60,200	62,100
Cotton Picker, Self Propelled, with spindle,				
6-Row	Each	585,000	602,000	610,000
Cultivator, Row Crop				
6-Row	Each	(NA)	(NA)	(NA)
8-Row	Each	18,000	18,200	18,600
12-Row, Flexible	Each	32,700	33,000	33,800
Disk Harrow, Tandem, Drawn⁶				
15-17 Foot	Each	21,800	22,100	22,300
18-20 foot	Each	31,400	31,800	32,800
21-25 foot	Each	38,800	39,600	41,700

See footnote(s) at end of table.

Table 9-37.—Prices paid by farmers: April prices, by commodities, United States, 2012–2014¹—Continued

Commodity	Unit	2012	2013	2014
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Farm Machinery (continued):				
Elevator, Portable, Without Power Unit, Auger Type, 8 Inch Diameter, 60 Foot	Each	9,030	9,350	9,740
Feed Grinder-Mixer, Trailer Mtd., P.T.O.	Each	34,700	37,200	37,800
Field Cultivator, Mounted or Drawn				
17-19 Foot	Each	21,800	23,100	23,800
20-25 Foot, Flexible	Each	30,600	31,700	32,500
Forage Harvester, P.T.O., Shear Bar,				
With Pick-Up Attachment	Each	47,600	49,500	51,600
With Row Crop Unit, 2-Row	Each	51,200	53,600	57,300
Forage Harvester, Self-propelled, Shear Bar				
With 4–6 row	Each	414,000	422,000	454,000
Front-End Loader, Hydraulic, Tractor Mounted				
1800-2500 Lb. Capacity, 60 Inch Bucket	Each	7,140	7,160	7,360
Grain Drill, Most Common Spacing				
Plain, 15-17 Openers	Each	21,000	22,100	23,600
Press, 23-25 Openers	Each	40,500	41,400	44,300
With Fertilizer Attachment, 20-24 Openers	Each	32,700	34,000	34,700
Min/No-Till W/Fert. Attach., 15 Foot	Each	42,300	44,300	45,100
Hayrake, Side-Delivery, or Wheel Rake,				
Traction Drive, 8-12 Foot Working Width	Each	7,430	7,880	7,960
Hay Tedder, 15-18 Foot	Each	7,090	7,570	7,610
Manure Spreader, Conveyor Type, P.T.O.,				
2-Wheel, with Tires.				
141-190 Bushel Capacity	Each	10,300	11,300	12,200
225-300 Bushel Capacity	Each	15,700	16,200	17,100
Mower-Conditioner, P.T.O., Pull Type, with				
8-10 Foot, Sickle (Cutter) Bar or Disc	Each	21,700	22,400	23,400
14-16 Foot, Sickle (Cutter) Bar or Disc	Each	33,500	34,200	36,200
Mower, Mounted or Drawn,				
7-8 ft Sickle (Cutter) Bar	Each	7,930	8,020	8,440
13-14 Foot, Sickle (Cutter) Bar or Disc	Each	17,600	17,900	19,000
Planter, Row Crop				
With Fertilizer Attachment, 4-Row	Each	24,300	25,700	26,500
With Fertilizer Attachment, 8-Row	Each	47,800	49,600	50,400
With Fertilizer Attachment, 24-Row	Each	164,000	173,000	190,000
12-Row Conservation (No-Till Cond), w/Fert ..	Each	86,100	87,400	88,900
Rotary Hoe, 20-25 Foot	Each	13,900	14,300	15,900
Rotary Cutter, 7-8 Foot	Each	4,200	4,330	4,450
Sprayer, Field Crop, Power, Boom Type				
(Excl. Self-Propelled and Orchard).				
Tractor Mounted, w/ 300 Gal. Spray Tank	Each	7,530	7,960	8,310
Trailer Type, w/ 500-700 Gal. Spray Tank	Each	17,000	17,000	17,300
Tractor, 2-Wheel Drive				
30-39 P.T.O. horsepower	Each	19,000	19,900	20,600
50-59 P.T.O. horsepower	Each	25,800	26,700	27,500
70-89 P.T.O. horsepower	Each	43,000	44,000	45,100
110 - 129 P.T.O. horsepower	Each	81,400	84,000	85,800
140 - 159 P.T.O. horsepower	Each	128,000	133,000	135,000
190 - 220 P.T.O. horsepower	Each	185,000	190,000	197,000
Tractor, 4-Wheel Drive				
200 - 280 P.T.O. horsepower	Each	217,000	226,000	233,000
281 - 350 Engine horsepower	Each	272,000	277,000	294,000
351-500 Engine horsepower	Each	301,000	309,000	321,000
Wagon, Gravity Unload, W/Box and Running				
Gear, and Tires,				
200-400 Bushel Capacity				
Without Side Extensions	Each	7,850	8,350	8,820
Wagon, Running Gear, W/O Box				
8-10 Ton Capacity	Each	2,450	2,480	2,600
Windrower, Self-Propelled,				
14-16 Foot	Each	115,000	119,000	129,000

See footnote(s) at end of table.

Table 9-37.—Prices paid by farmers: April prices, by commodities, United States, 2012–2014 ¹—Continued

Commodity	Unit	2012	2013	2014
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Agricultural Chemicals: ⁷				
Fungicides:				
Calcium Polysulfide (Lime Sulfur) Liq.Conc	Gal	(NA)	(NA)	(NA)
Captan 50% WP	Lb	7.84	7.92	8.14
Captan 80% WP	Lb	8.47	8.61	8.75
Chlorothalonil (Bravo), 6 pounds/gallon EC	Gal	43.80	45.30	47.20
Copper Hydroxide (Kocide 200), 35% WP	Lb	6.40	6.64	6.88
Copper Hydroxide (Kocide 101), 77% WP	Lb	5.29	5.40	5.51
Dodine (Cyprex), 65% WP	Lb	(NA)	(NA)	(NA)
Fenarimol (Rubigan), 1 pounds/gallon EC	Gal	375.00	386.00	392.00
Ferbam (Carbamate), 76% WP	Lb	4.81	5.03	5.17
Fosetyl-AL (Aliette), 80% WP	Lb	15.10	15.30	15.80
Mancozeb (Dithane 80% WP, Manzate 75% DF)	Lb	5.11	5.23	5.40
Maneb (Manex), 4 pounds/gallon	Lb	40.10	41.80	42.40
Maneb, 80% WP, 75% DF	Lb	(NA)	(NA)	(NA)
Myclobutanil (Systhane, Nova, Rally), 40% WP	Lb	68.90	71.50	73.20
Oxytetracycline (Mycoshield), 17% WP	Lb	22.50	22.90	23.80
Sulfur, 80% - Microthiol Disperssm Kumulus DF	Lb	0.89	0.93	0.99
Triadimefon (Bayleton), 50% WP	Lb	107.00	109.00	113.00
Ziram, 76% WP	Lb	4.44	4.52	4.67
Herbicides:				
2,4-D, 4 pounds/gallon EC	Gal	20.10	20.40	20.90
Acetochlor (Surpass), 6.4–7 pounds/gallon EC	Gal	70.80	74.50	78.40
Alachlor (Lasso), 4 pounds/gallon EC	Gal	29.60	30.40	31.40
Atrazine (AAtrex), 4 pounds/gallon L	Gal	17.60	17.80	18.40
Bentazon (Basagran), 4 pounds/gallon EC	Gal	110.00	111.00	114.00
Butylate (Sutan), 6.7 pounds/gallon EC	Gal	34.40	35.40	37.30
Chlorimuron-ethyl (Classic), 25% DF	oz	16.00	16.60	17.10
Chlorsulfuron (Glean), 75%	oz	21.30	22.30	23.10
DCPA (Dacthal), 75% WP	Lb	21.50	22.00	23.10
Dicamba (Banvel), 4 pounds/gallon EC	Gal	(NA)	(NA)	(NA)
Diuron (Karmex, Diurex), 80% WP	Lb	6.38	6.52	6.67
EPTC (Eptan), 7E-(Eradicane), 6.7 pounds/gallon EC	Gal	46.00	47.60	48.40
Glyphosate (Roundup), 4.5 pounds/gallon EC	Gal	17.90	18.20	18.70
Glyphosate (Roundup), 5 pounds/gallon EC	Gal	26.00	26.10	26.80
Linuron (Lorox, Linex), 50% DF	Lb	21.60	22.60	23.00
MCPA, 4 pounds/gallon EC	Gal	21.90	22.10	22.90
Metribuzin (Lexone or Sencor), 75% DF	Lb	17.40	17.80	18.00
Napropamide (Devrinol), 50% WP	Lb	12.10	12.40	12.60
Pendimethalin (Prowl), 3.3–3.8 pounds/gallon EC	Gal	40.40	41.60	42.60
Sethoxydim (Poast), 1.5 pounds/gallon EC	Gal	87.00	89.10	91.50
Simazine (Princep), 4 pounds/gallon EC	Gal	25.40	26.40	26.80
Terbacil (Sinbar), 80% WP	Lb	43.60	45.20	46.20
Trifluralin (Treflan), 4 pounds/gallon EC	Gal	26.20	26.80	27.60

See footnote(s) at end of table.

Table 9-37.—Prices paid by farmers: April prices, by commodities, United States, 2012–2014¹—Continued

Commodity	Unit	2012	2013	2014
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Insecticides:				
Acephate (Orthene), 75% SP	Lb	11.50	12.20	12.60
Acephate (Orthene), 90% SP	Lb	9.13	9.41	9.62
Aldicarb (Temik), 15% G	Lb	4.03	4.27	4.32
Azinphos-methyl (Guthion), 50% WP	Lb	14.50	15.10	15.70
Bt (Dipel 2X), WP	Lb	12.50	13.50	14.00
Carbaryl, (Sevin), 80% S, SP or WP	Lb	7.29	7.45	7.61
Carbaryl, (Sevin), 4 pounds/gallon 4F or XLR Plus WP	Lb	46.90	48.80	50.40
Carbofuran (Furadan), 4F	Gal	83.50	87.30	91.70
Chlorpyrifos (Lorsban), 4 pounds/gallon EC	Gal	37.60	38.80	40.10
Cyfluthrin (Baythroid) 2 pounds/gallon EC	Gal	302.00	303.00	308.00
Dicofol, 4 pounds/gallon 4E WP	Lb	44.90	47.90	49.00
Dicrotophos (Bidrin), 8 pounds/gallon EC	Gal	134.00	138.00	143.00
Dimethoate (Cygon), 2.67 pounds/gallon EC	Gal	49.00	49.60	51.00
Disulfoton (Di-Syston), 8 pounds/gallon EC	Gal	(NA)	(NA)	(NA)
Endosulfon (Thiodan, Phaser), 3 pounds/gallon EC	Gal	32.40	33.40	34.10
Esfenvalerate (Asana XL), 0.66 pounds/gallon EC	Gal	101.00	102.00	105.00
Malathion, 5 pounds/gallon EC	Gal	44.00	46.80	48.30
Malathion, (Fyfanon ULV AG), 9.9 pounds/gallon EC ..	Gal	58.10	61.50	63.70
Methidathion (Supracide), 25% WP	Lb	10.50	10.60	10.80
Methomyl (Lannate LV), 2.4 pounds/gallon EC	Gal	70.50	71.10	73.10
Methyl Parathion (PennCap-M), 2 pounds/gallon EC ..	Gal	40.20	44.80	46.40
Oil (Oil, Superior Oil, Supreme, Volck)	Gal	10.40	10.70	11.20
Oxamyl (Vydate-L), 2 pounds/gallon L	Gal	101.00	104.00	107.00
Oxydemeton-methyl (MSR Spray), 2 pounds/gallon EC	Gal	138.00	146.00	150.00
Phorate (Thimet), 20% G	Lb	2.95	3.06	3.14
Phosmet (Imidan), 50% WSP	Lb	10.40	10.10	9.86
Phosmet (Imidan), 70% WSP	Lb	10.60	11.40	12.30
Propargite (Comite, Omite), 32% WP	Lb	7.70	7.91	8.01
Synthetic Pyrethroids,				
(Pounce, Ambush) 2–3.2 pounds/gallon	Gal	86.30	93.30	95.45
Terbufos (Counter), 15% G	Lb	3.07	3.38	3.48
Zeta-Cypermethrin (Zeta -cype), 0.8 pounds/gallon EC	Gal	136.00	134.00	133.00
Zeta-Cypermethrin (Fury), 1.5 pounds/gallon EC	Gal	178.00	187.00	191.00
Other:				
Gibberellic Acid (Pro-Gibb) 4.0% L	Gal	118.00	114.00	113.00
NAD Naphthaleneacetamide (Amid-Thin W), 8.4% WP	Lb	69.00	84.40	63.80

(NA) Not available. ¹ Data series discontinued. Prices paid by farmers are collected, for the most part, from retail establishments located in smaller cities and towns in rural areas. Prior to 1995, recorded prices reflected a modified annual average based on frequency item was surveyed during the year. Recorded item values, 1995-99, are the U.S. April average price. ² Includes Federal, State, and local per gallon taxes where applicable. ³ Excludes Federal excise tax. ⁴ Includes Federal, State, and local per gallon taxes. ⁵ Excludes cost of application, except for limestone. ⁶ With hydraulic lift, transport wheels, and tires. ⁷ Active Ingredient, (Common Names), and Formulation abbreviations: EC-Emulsifiable Concentrate, DF-Dry Flowable, DG-Dry Granular, G-Granular, L-Liquid, S-Solution, P-Soluble Powder, and WP-Wettable Powder. ⁸ Insufficient data.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-38.—Agricultural commodities: Support prices per unit, United States, 2012–2016¹

Commodity	Unit	2012	2013	2014 ²	2015	2016
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Basic commodities:						
Corn:						
Target/reference price	Bushel	2.63	2.63	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	71.25	(NA)	(NA)	(NA)
Loan rate	do	52.00	52.00	52.00	52.00	52.00
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	495.00	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	10.50	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	4.17	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	2.63	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	4.70	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	1.79	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	12.68	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	6.00	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	8.32	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	10.36	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	12.81	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	12.81	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	9.35	(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, 2012–2016¹

Commodity	2012	2013	2014	2015	2016
	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
All commodities	401,433,056	403,552,908	424,216,926	376,949,315	352,437,409
Livestock and products	169,818,778	182,704,665	212,799,230	189,460,303	162,858,224
Cattle and calves	66,090,126	67,457,442	81,478,368	78,128,981	63,944,678
Hogs	22,092,108	23,761,227	26,517,815	20,623,942	18,856,798
Sheep and lambs	(NA)	(NA)	(NA)	(NA)	(NA)
Dairy products	37,064,731	40,276,790	49,352,950	35,732,794	34,543,067
Broilers	24,827,800	30,761,669	32,728,234	28,716,398	25,935,852
Farm chickens	79,208	87,939	96,151	103,206	84,869
Chicken eggs	7,929,104	8,678,859	10,257,972	13,608,194	6,483,307
Turkeys	5,452,135	4,839,562	5,304,501	5,707,928	6,184,247
Miscellaneous livestock	6,283,566	6,841,177	7,063,239	6,838,860	6,825,406
Crops	231,614,279	220,848,243	211,417,696	187,489,013	189,579,185
Food grains	19,292,117	17,230,685	16,050,095	12,282,154	11,337,137
Feed crops	82,136,536	70,835,571	65,873,669	56,919,159	54,826,541
Cotton	8,230,448	6,515,834	7,111,320	4,756,100	5,922,105
Tobacco	1,347,847	1,546,501	1,715,575	1,604,909	1,336,427
Oil crops	46,925,602	47,274,387	42,620,534	35,509,006	40,229,141
Vegetables	17,412,740	19,417,988	18,871,455	20,230,462	19,143,388
Fruits/nuts	28,107,818	29,904,334	31,930,824	28,417,919	28,714,923
All other crops	28,161,171	28,122,943	27,244,224	27,769,304	28,069,522

Data as of August 30, 2017. (NA) Data are not available/applicable. ¹USDA 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, 2007–2016

Item	2007	2008	2009	2010	2011
	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Total gross farm income	339.6	364.5	336.6	356.5	420.4
Value of Production	327.7	352.3	324.4	344.1	410.0
Crops	151.1	173.8	164.7	168.1	199.3
Livestock and products	138.4	139.4	119.5	140.2	163.8
Services and forestry	38.1	39.1	40.2	35.8	46.9
Direct government payments	11.9	12.2	12.2	12.4	10.4
Total production expenses ¹	269.5	286.5	274.4	279.4	306.9
Net farm income	70.0	78.1	62.2	77.1	113.6
Gross cash income	318.0	349.5	327.3	353.6	407.1
Cash expenses	240.6	264.5	253.0	257.3	283.9
Net cash income	77.4	85.0	74.3	96.3	123.2
Item	2012	2013	2014	2015	2016
Total gross farm income	449.8	483.8	483.1	440.4	412.0
Value of production	439.2	472.8	473.3	429.6	399.0
Crops	212.9	233.6	206.0	183.9	189.0
Livestock and product	169.1	181.0	214.4	194.1	165.5
Services and forestry	57.1	58.2	52.9	51.5	44.5
Direct government payments	10.6	11.0	9.8	10.8	13.0
Total production expenses ¹	353.3	360.1	390.7	359.0	350.5
Net farm income	96.5	123.8	92.4	81.4	61.5
Gross cash income	451.3	455.5	470.6	422.1	393.3
Cash expenses	316.1	320.0	339.0	315.9	304.1
Net cash income	135.3	135.6	131.6	106.2	89.2

Data as of August 30, 2017. 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>.

Table 9-41.—Expenses: Farm production expenses, United States, 2009–2016

Item	2009	2010	2011	2012
	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Total production expenses	274.4	279.4	306.9	353.3
Feed purchased	45.0	45.4	54.6	60.5
Livestock and poultry purchased	17.9	20.4	23.7	24.8
Seed purchased	15.5	16.3	17.8	20.9
Fertilizer and lime	20.1	21.0	25.1	28.9
Pesticides	11.5	10.7	11.8	14.0
Fuel and oil	13.2	13.8	16.2	16.5
Electricity	4.6	4.6	4.9	5.4
Other ¹	59.1	56.8	61.7	66.3
Interest ²	17.6	16.9	16.0	16.9
Contract and hired labor expenses	29.0	27.5	27.0	32.1
Net rent to landlords	13.6	16.9	17.4	20.5
Capital consumption ²	16.2	17.6	18.5	34.2
Property taxes ²	11.1	11.5	12.0	12.2
Item	2013	2014	2015	2016
Total production expenses	360.1	390.7	359.0	350.5
Feed purchased	62.4	63.7	58.5	55.6
Livestock and poultry purchased	25.5	31.2	30.4	22.4
Seed purchased	21.9	22.1	21.3	21.8
Fertilizer and lime	28.3	28.1	25.5	23.5
Pesticides	14.6	15.8	14.6	15.2
Fuel and oil	17.3	17.7	13.2	12.2
Electricity	5.5	5.9	5.7	5.6
Other ¹	64.2	70.9	66.5	65.6
Interest ²	14.9	15.7	16.4	17.3
Contract and hired labor expenses	32.3	34.5	32.1	34.4
Net rent to landlords	22.9	20.7	20.1	19.5
Capital consumption ²	37.8	49.9	40.9	44.7
Property taxes and fees ²	12.4	14.3	13.5	12.6

Data as of August 30, 2017. ¹Includes repair and maintenance, machine hire and custom work, marketing, storage and transportation, insurance premiums, and miscellaneous other expenses. ²Includes 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>.

Table 9-42.—Principal Farm Operator Households: Farm and Off-farm Income, United States, 2013–2016

Item	2013	2014	2015	2016
Number of family farms	2,045,352	2,053,008	2,032,300	2,027,269
	Dollars per farm operator household			
Median household income from farming	(644)	(118)	(765)	(940)
Median off-farm income	62,500	70,000	67,500	66,468
Earned income	40,737	42,257	38,270	40,000
Unearned income	20,742	27,439	25,013	24,962
Median household income of farm operators	73,219	81,637	76,735	76,250
Average household income of farm operators	121,120	134,164	119,880	117,918
	Dollars per U.S. household			
U.S. Median household income ¹	53,585	53,657	56,516	59,039
U.S. Average household income ¹	75,195	75,738	79,263	83,143
	Percent			
Median farm household income as a percent of median U.S. household income	136.6	152.1	135.8	129.2
Average farm household income as a percent of average U.S. household income	161.1	177.1	151.2	141.8

¹Estimates of U.S. Household Income are produced by the U.S. Census Bureau, Current Population Reports, p60-259, *Income and Poverty in the United States: 2016*.

ERS, Farm Economy Branch, farmincometeam@ERS.usda.gov. Source: USDA, Economic Research Service and National Agricultural Statistics Service, 2011-2016 Agricultural Resource Management Survey. Data as of November 29, 2017.

Table 9-43.—Grazing fees: Rates for cattle by selected States and regions, 2015–2016

State	Monthly lease rates for private non-irrigated grazing land ¹					
	Animal unit ²		Cow-calf		Per head	
	2015	2016	2015	2016	2015	2016
	<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	9.00	(S)	(S)	(S)	(S)
California	19.10	23.00	25.50	23.50	23.50	21.50
Colorado	17.00	17.50	21.00	21.00	19.00	19.00
Idaho	17.00	18.00	20.00	22.00	18.50	18.50
Kansas	19.00	18.50	24.00	24.00	21.50	21.00
Montana	23.00	24.00	26.00	26.00	23.00	24.00
Nebraska	39.00	41.00	45.00	46.30	36.00	41.00
Nevada	(S)	10.00	(S)	(S)	(S)	16.70
New Mexico	15.50	14.00	(S)	(S)	15.50	14.50
North Dakota	20.50	21.00	23.00	25.00	(S)	20.00
Oklahoma	(S)	12.50	(S)	(S)	(S)	11.50
Oregon	16.50	17.00	21.00	20.00	19.00	18.50
South Dakota	32.00	31.50	39.00	37.00	32.50	31.00
Texas	(S)	12.50	(S)	(S)	12.00	11.50
Utah	16.00	16.50	20.00	20.00	17.00	17.00
Washington	13.00	14.00	17.00	16.00	15.50	15.00
Wyoming	21.00	21.50	23.00	23.50	21.00	21.00
17-State ³	20.20	20.30	24.20	23.50	20.10	20.30
16-State ⁴	22.10	22.70	26.40	26.10	22.60	23.00
11-State ⁵	18.40	19.20	22.20	21.90	20.00	19.80
9-State ⁶	20.70	20.50	24.70	23.80	20.00	20.20

(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.

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	2002-2016	36	11	13	26	0	6	7	0	0	1
All other citrus trees	2001-2016	0	0	2	12	0	0	0	0	0	86
All other grapefruit	2001-2009	0	0	0	18	0	82	0	0	0	0
Almonds	1981-2016	9	4	52	31	0	3	0	0	0	0
Annual Forage	2014-2016	0	0	0	0	0	0	0	0	0	100
Apiculture	2009-2016	0	0	0	0	0	0	0	0	0	100
Apples	1963-2016	8	29	4	55	0	2	0	0	0	1
Avocado trees	1996-2013	0	0	4	9	0	87	0	0	0	0
Avocados	1998-2016	39	0	1	33	0	22	0	0	1	3
Banana	2012-2013	100	0	0	0	0	0	0	0	0	0
Barley	1956-2016	43	15	30	5	0	2	2	2	0	0
Blueberries	1995-2016	6	11	13	55	0	2	0	2	0	11
Buckwheat	2010-2016	40	24	22	10	0	3	0	0	0	0
Burley tobacco	1997-2016	43	3	38	3	6	2	0	5	0	1
Cabbage	1999-2016	17	1	37	21	1	12	5	3	0	3
Camelina	2012-2015	100	0	0	0	0	0	0	0	0	0
Canola	1995-2016	18	10	55	11	0	3	1	1	1	0
Cherries	1963-2016	19	4	34	33	0	3	0	0	7	0
Chile peppers	2000-2016	1	22	11	27	5	20	8	4	0	1
Cigar:											
binder tobacco ..	1997-2016	10	13	24	3	0	2	0	47	0	1
filler tobacco	1998-2015	90	0	3	0	0	0	1	6	0	0
wrapper tobacco ..	1997-2015	0	0	47	4	0	0	0	49	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	2001-2016	0	0	0	16	0	4	0	2	0	78
Clary sage	2016	0	0	94	6	0	0	0	0	0	0
Coffee	2009-2016	74	0	23	0	0	1	3	0	0	0
Corn	1948-2016	53	5	25	3	2	2	0	1	10	0
Cotton	1948-2016	55	13	14	3	1	11	1	0	2	0
ex long staple	1984-2016	81	2	5	9	0	2	1	0	0	0
Crambe	1999-2003	32	10	26	7	0	21	0	4	0	0
Cranberries	1984-2016	16	16	16	39	1	2	4	1	0	5
Cucumbers	2014-2016	8	4	85	1	0	1	0	1	0	0
Cultivated wild rice ..	1999-2016	41	9	6	11	1	18	1	1	0	13
Dark air tobacco	1997-2016	15	5	61	2	4	5	0	7	0	1
Dry beans	1948-2016	17	18	48	11	0	2	0	2	1	0
Dry peas	1963-2016	33	29	29	4	0	1	1	1	1	0
Early & midseason oranges	1998-2017	0	8	21	37	0	33	0	0	0	0
Figs	1988-2016	18	0	50	30	0	2	0	0	0	0
Fire cured tobacco	1997-2016	17	7	48	3	6	6	0	4	0	7
Flax	1948-2016	40	8	42	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	1997-2016	33	5	30	2	0	14	0	15	0	0
Forage production	1979-2016	68	3	7	20	0	0	1	0	0	0
Forage seeding	1978-2016	29	0	22	45	1	2	0	0	0	0
Fresh:											
Apricots	1997-2016	8	18	22	49	0	4	0	0	0	0
Freestone peaches	1997-2016	14	24	18	42	0	3	0	0	0	0
Market beans	2000-2016	2	0	59	13	0	15	2	9	0	0
Market sweet corn	1985-2016	11	2	34	33	0	16	1	2	0	1
Market tomatoes	1984-2016	7	5	44	29	0	9	1	6	0	0
Nectarines	1997-2016	9	36	19	33	0	2	0	0	0	0
Plum	1990-1997	1	32	41	25	0	0	0	0	0	0
Grain sorghum	1959-2016	78	2	9	4	0	4	1	0	2	0
Grapefruit	1997-2017	20	2	0	43	0	35	0	0	0	0
Grapefruit trees	2001-2014	0	0	1	6	0	0	0	0	0	93
Grapes	1967-2016	20	5	15	56	0	2	0	0	0	0
Grass Seed	2012-2016	1	3	91	5	0	1	0	0	0	0
Green peas	1962-2016	47	4	38	7	0	2	0	1	0	0
Hybrid corn seed	1983-2016	58	5	20	3	2	11	0	1	0	0
Hybrid corn seed	1983-2016	0	0	100	0	0	0	0	0	0	0
Hybrid see rice	1988-2016	28	20	5	17	0	28	0	1	0	0
Late oranges	1998-2016	0	10	27	21	0	42	0	0	0	0
Lemons	1997-2016	13	1	2	79	0	4	0	0	0	0
Lime trees	1998-2005	0	0	7	0	0	0	0	0	0	99
Macadamia nuts	1996-2016	72	0	7	8	0	4	8	0	0	1
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	62	1	1	34	0	2	0	0	0	0
Mango trees	1997-2010	0	0	0	59	0	41	0	0	0	0
Maryland tobacco	1997-2016	60	5	6	3	0	8	0	18	0	0
Millet	1996-2016	72	13	10	2	0	2	0	0	0	0
Minneola tangelos	1998-2014	12	1	6	77	0	4	0	0	0	0
Mint	2000-2016	36	3	24	30	1	3	1	2	0	0
Mustard	1999-2016	47	23	18	5	0	6	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	19	11	21	8	14	0	0
Nursery (fg&c)	2001-2017	1	10	6	18	7	52	4	0	0	1
Oats	1956-2016	58	10	23	5	0	2	1	1	0	0
Olives	2012-2016	45	4	11	29	0	11	0	0	0	0
Onions	1988-2016	21	8	41	10	1	2	0	17	0	0
Orange trees	1996-2016	0	0	4	7	0	0	0	0	0	89
Oranges	1958-2017	33	3	1	59	0	3	0	0	1	0
Orlando tangelos	1998-2012	0	0	0	100	0	0	0	0	0	0
Papaya	2007-2015	0	0	4	0	0	22	7	67	0	0
Papaya tree	2014-2015	0	0	0	10	0	84	0	5	0	0
Pastures/Range-land forage	2007-2016	0	0	0	0	0	0	0	0	0	100
Peaches	1957-2016	3	14	3	76	0	0	0	0	0	3
Peanuts	1962-2016	70	0	19	2	0	2	0	6	0	1
Pears	1990-2016	19	22	5	49	0	3	0	1	0	0
Pecans	1998-2016	21	8	23	32	0	11	0	4	1	0
Peppers	1984-2016	1	5	53	24	0	15	0	2	0	0
Pistachios	2012-2016	89	0	6	4	0	1	0	0	0	0
Plums	1998-2016	14	29	16	38	0	3	0	0	0	0
Popcorn	1984-2016	44	19	22	6	2	2	0	1	3	0
Potatoes	1962-2016	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	1997-2016	9	8	34	44	0	5	0	0	0	0
Beans	1988-2016	49	6	34	5	0	3	0	2	0	0
Cling peaches	1997-2016	19	17	29	33	0	2	0	0	0	0
Cucumbers	2000-2005	40	3	46	5	0	2	0	4	0	0
Freestone	1998-2016	17	14	17	51	0	1	0	0	0	0
Prunes	1986-2016	31	3	33	23	0	10	0	0	0	0
Pumpkins	2009-2016	13	0	72	14	0	0	0	0	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	1960-2016	31	0	48	5	4	5	0	2	4	1
Rio red & star ruby	1998-2016	0	5	31	32	0	30	0	0	0	0
Ruby red grapefruit	1998-2016	0	11	38	18	0	32	0	0	0	0
Rye	1980-2016	38	16	29	16	0	1	0	0	0	0
Safflower	1964-2016	55	5	17	12	0	7	2	2	0	0
Sesame	2011-2016	54	3	34	4	0	5	0	0	0	1
Silage sorghum	2005-2016	82	7	2	1	0	9	1	0	0	0
Soybeans	1955-2016	48	6	31	2	3	1	0	0	8	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	1965-2016	12	5	47	20	1	6	1	9	0	0
Sugarcane	1967-2016	28	0	15	35	1	9	3	9	0	1
Sunflowers	1976-2016	28	7	48	6	0	3	2	2	2	2
Sweet corn	1978-2016	55	2	24	12	0	4	0	1	0	1
Sweet oranges	1998-2014	23	0	7	64	0	6	0	0	0	0
Sweet potatoes	1998-2016	39	0	48	0	0	8	4	0	0	1
Table grapes	1984-2016	35	8	29	26	0	2	0	0	0	0
Tangelos	1997-2017	27	5	0	55	0	13	0	0	0	0
Tangors	2014-2016	0	0	0	22	0	78	0	0	0	0
Tobacco	1948-1996	32	10	32	2	1	11	0	11	0	1
Tomatoes	1963-2016	33	2	43	9	1	2	2	8	0	0
Valencia oranges ..	1998-2014	24	3	2	66	0	4	0	0	0	0
Walnuts	1984-2016	27	7	27	34	0	5	0	0	0	0
Watermelons	1999	22	2	11	5	0	7	0	48	0	6
Wheat	1948-2016	44	11	21	13	0	3	0	2	3	0
Whole Farm Revenue Protection	2015-2016	28	11	17	7	0	1	0	1	35	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, 2014–2016

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		Number	1,000 acres	1,000 dollars
Adjusted gross revenue:								
2014	230	357	0	396,469	14,332	100	0	41,220
Adjusted gross revenue-lite:								
2014	1,706	435	0	125,450	5,168	150	0	14,023
Alfalfa seed:								
2014	13	373	32	37,367	2,809	123	7	3,297
2015	13	347	32	36,467	2,775	88	6	3,204
2016	24	577	46	65,016	4,612	254	13	10,478
All other citrus trees:								
2014	28	498	0	47,933	850	1	0	13
2015	28	466	0	46,683	830	0	0	0
2016	28	414	0	42,985	647	0	0	0
All other grapefruit:								
2014	3	1	0	0	0	0	0	0
2015	3	0	0	0	0	0	0	0
2016	3	0	0	0	0	0	0	0
Almonds:								
2014	16	6,025	721	2,185,773	82,576	648	51	40,050
2015	16	6,111	737	2,908,891	102,618	886	57	62,495
2016	32	6,404	750	3,580,197	135,406	502	34	41,181
Annual Forage:								
2014	648	1,362	179	22,753	5,210	849	0	6,937
2015	648	2,267	322	36,925	8,730	1,177	0	6,510
2016	711	1,570	171	37,624	7,855	572	0	4,823
Apiculture:								
2014	2,059	5,150	0	77,381	17,015	2,764	0	15,670
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
Apples:								
2014	334	6,628	249	1,087,767	101,683	1,021	19	48,407
2015	334	7,096	239	1,167,303	103,449	1,620	30	88,087
2016	600	7,246	226	1,164,590	115,328	1,671	30	102,511
Avocado trees:								
2014	1	161	0	21,363	764	0	0	0
2015	1	166	0	23,995	868	0	0	0
2016	1	154	0	27,182	960	0	0	0
Avocados:								
2014	7	1,143	38	84,506	9,376	299	0	6,458
2015	7	1,117	37	84,457	8,026	261	7	5,145
2016	7	1,027	35	78,828	5,710	147	2	2,108
Banana tree:								
2014	4	1	0	462	26	0	0	0
2015	4	1	0	685	19	0	0	0
2016	4	1	0	512	14	0	0	0
Bananas:								
2014	4	4	0	1,487	36	0	0	0
2015	4	4	0	719	8	0	0	0
2016	4	2	0	32	1	0	0	0
Barley:								
2014	3,021	19,057	2,188	442,412	53,391	5,364	693	61,413
2015	3,696	20,835	2,639	534,619	69,068	4,627	556	37,428
2016	5,331	16,440	2,172	428,456	58,849	2,763	341	27,572
Blueberries:								
2014	76	1,181	66	176,751	13,504	100	2	3,032
2015	77	1,218	69	194,127	11,378	235	7	8,675
2016	161	1,304	64	224,464	12,901	278	6	12,729
Buckwheat:								
2014	22	130	11	1,852	382	45	4	277
2015	22	150	12	2,114	368	62	4	349
2016	32	95	8	1,450	257	7	1	69
Burley tobacco:								
2014	253	7,905	86	259,101	35,278	2,719	38	78,598
2015	253	6,136	69	180,251	25,132	3,356	42	73,032
2016	497	5,843	67	17,424	30,981	3,871	50	85,842

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2014–2016—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
Cabbage:								
2014	29	305	14	25,852	2,221	55	2	2,705
2015	29	310	14	28,094	2,047	79	2	3,178
2016	29	307	14	29,571	2,101	65	2	2,253
Camelina:								
2014	52	0	0	0	0	0	0	0
2015	52	1	0	10	1	1	0	6
2016	52	1	0	13	4	0	0	0
Canola:								
2014	504	13,580	1,705	350,846	59,725	5,713	533	70,296
2015	552	12,722	1,719	321,720	56,784	4,056	484	27,365
2016	966	11,745	1,643	313,258	60,699	1,512	187	16,383
Carambola trees:								
2014	2	11	0	1,716	59	0	0	0
2015	2	10	0	1,640	56	0	0	0
2016	2	9	0	1,764	62	0	0	0
Cherries:								
2014	63	3,468	90	468,217	42,430	971	24	58,819
2015	64	3,532	89	471,917	42,861	1,116	26	53,565
2016	64	3,454	86	488,630	49,990	1,224	25	61,455
Chile Peppers:								
2014	3	21	2	939	54	0	0	0
2015	3	20	2	904	39	1	0	14
2016	3	22	2	1,028	50	1	0	13
Cigar binder tobacco:								
2014	16	337	3	15,849	4,310	98	1	3,584
2015	16	331	3	17,585	4,527	47	0	2,308
2016	21	318	3	15,770	4,473	17	0	512
Cigar filler tobacco:								
2014	3	8	0	231	4	0	0	0
2015	3	8	0	235	4	1	0	0
2016	3	11	0	228	3	0	0	0
Cigar wrapper tobacco:								
2014	5	14	0	5,600	448	0	0	0
2015	5	11	0	3,589	199	7	0	452
2016	5	7	0	1,917	222	0	0	0
Clams:								
2014	13	116	0	20,041	657	14	0	1,004
2015	9	88	0	17,272	430	21	0	1,965
2016	9	48	0	15,285	373	5	0	108
Clary sage:								
2016	4	139	18	12,576	1,351	50	7	1,702
Coffee:								
2014	4	79	4	8,542	269	14	0	168
2015	4	92	4	12,375	378	31	0	393
2016	4	116	4	15,930	428	25	0	415
Coffee tree:								
2014	4	29	0	14,023	49	0	0	0
2015	4	45	0	17,644	58	0	0	0
2016	4	40	0	21,347	78	0	0	0
Corn:								
2014	9,549	734,788	79,062	43,987,275	3,649,636	248,383	30,968	3,843,016
2015	15,951	711,277	78,400	40,317,311	3,685,692	124,691	12,266	1,679,119
2016	17,208	714,573	82,143	39,571,024	3,533,455	97,512	9,515	949,174
Cotton:								
2014	2,352	119,508	10,374	4,049,131	723,537	41,783	4,824	723,888
2015	5,922	131,861	8,587	2,990,681	657,825	36,340	3,947	390,488
2016	5,922	133,001	9,442	3,338,193	651,415	20,012	2,877	303,615
Cotton exlong staple:								
2014	29	1,235	277	251,872	33,351	540	126	89,973
2015	29	1,230	256	212,894	33,164	635	144	94,042
2016	58	1,144	248	215,969	25,068	454	131	61,464
Cranberries:								
2014	30	684	32	99,913	3,041	79	3	2,951
2015	30	682	33	86,549	2,501	86	3	3,061
2016	30	631	31	104,862	2,905	52	1	1,423
Cucumbers:								
2014	40	377	28	19,494	1,492	66	5	1,595
2015	40	424	31	20,511	1,639	102	6	1,952
2016	55	4314	28	19,237	1,614	157	10	2,480

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2014–2016—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
Fresh nectarines:								
2014	24	700	17	34,460	2,462	72	1	581
2015	24	721	15	49,916	3,005	91	1	808
2016	24	750	15	55,023	3,249	44	0	384
Grain sorghum:								
2014	3,852	75,940	5,304	948,980	210,265	23,889	1,814	127,177
2015	5,196	91,899	6,785	1,103,625	255,724	17,153	1,343	84,019
2016	7,074	72,559	5,373	843,546	189,710	11,901	946	50,326
Grapefruit:								
2014	41	888	47	79,527	4,067	55	0	1,017
2015	41	829	46	80,227	4,032	27	1	532
2016	41	764	41	73,199	3,655	27	1	595
Grapefruit trees:								
2014	31	1,228	0	178,677	4,773	1	0	5
2015	31	1,188	0	185,613	5,036	0	0	0
2016	31	1,117	0	178,972	4,591	0	0	0
Grapes:								
2014	110	18,067	606	1,490,843	58,731	1,803	41	33,727
2015	110	17,381	585	1,454,186	54,553	3,491	62	62,753
2016	200	17,006	571	1,448,482	50,113	1,327	25	19,514
Grass seed:								
2014	6	101	29	4,061	637	1	0	35
2015	6	98	31	7,074	727	12	4	363
2016	20	134	50	11,860	1,220	9	2	273
Green peas:								
2014	170	2,038	141	63,210	6,970	830	52	10,424
2015	170	2,034	139	62,522	6,549	507	35	8,722
2016	321	1,764	126	59,661	6,253	547	37	8,823
Hybrid corn seed:								
2014	229	5,281	356	303,744	19,384	416	22	9,282
2015	229	4,179	272	207,456	13,056	444	26	7,072
2016	458	5,628	377	276,577	17,179	343	19	4,850
Hybrid seed rice:								
2016	50	133	14	16,238	1,431	59	5	1,950
Hybrid sorghum seed:								
2014	23	625	43	23,558	2,623	73	5	1,793
2015	26	488	36	16,230	1,748	30	2	885
2016	52	356	21	8,604	1,024	67	4	898
Hybrid sweet corn seed:								
2016	15	0	0	0	0	0	0	0
Late oranges:								
2014	3	88	1	889	145	5	0	17
2015	3	97	1	1,414	241	19	0	39
2016	3	95	1	1,555	251	10	0	38
Lemons:								
2014	19	813	43	118,634	6,450	66	0	2,007
2015	19	843	43	134,927	7,620	63	2	2,589
2016	19	858	44	140,316	8,332	20	1	1,076
Lime trees:								
2014	3	0	0	0	0	0	0	0
2015	3	1	0	37	1	0	0	0
2016	6	3	0	612	15	0	0	0
Macadamia nuts:								
2014	3	101	12	19,955	617	36	0	1,523
2015	3	102	12	20,678	637	1	0	33
2016	3	103	12	18,233	411	6	1	503
Macadamia trees:								
2014	3	107	13	57,698	588	0	0	0
2015	3	132	13	52,399	537	0	0	0
2016	3	36	12	51,390	362	0	0	0
Mandarins:								
2014	12	556	29	138,656	13,877	146	0	16,341
Mandarins/ Tangerines:								
2014	29	328	5	7,022	297	0	0	0
2015	41	973	40	192,912	19,020	70	2	3,624
2016	41	1,003	44	228,577	21,461	74	5	11,764
Mango trees:								
2014	1	13	0	401	16	0	0	0
2015	1	13	0	436	17	0	0	0
2016	1	13	0	531	20	0	0	0
Maryland tobacco:								
2014	6	25	0	207	10	5	0	12
2015	6	2	0	2	0	2	0	2
2016	6	1	0	1	0	1	0	1
Millet:								
2014	68	5,195	412	43,112	10,253	729	64	3,088
2015	68	4,701	364	29,016	6,450	682	55	2,148
2016	138	4,381	348	24,173	5,666	922	79	2,611

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2014–2016—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
Cultivated wild rice:								
2014	11	76	23	15,652	980	17	4	1,788
2015	11	91	26	21,290	1,381	15	7	1,939
2016	22	97	27	26,164	1,336	4	0	98
Dark air tobacco:								
2014	30	801	4	18,057	654	46	0	423
2015	30	809	5	18,513	677	156	1	1,583
2016	59	805	4	18,503	751	501	3	6,102
Dry beans:								
2014	484	17,804	1,361	578,333	85,211	4,619	345	70,216
2015	484	15,861	1,383	537,819	75,556	4,342	418	57,801
2016	938	13,408	1,218	398,047	55,757	3,344	308	59,422
Dry Peas:								
2014	372	11,490	1,353	208,394	30,404	2,936	297	25,688
2015	373	13,006	1,718	312,910	47,189	4,428	537	49,089
2016	725	16,382	2,401	445,303	75,645	2,819	397	37,630
Early and Midseason oranges:								
2014	3	210	4	2,776	160	25	0	86
2015	3	285	4	4,011	235	26	0	75
2016	3	181	4	3,590	143	28	0	96
Figs:								
2014	4	64	4	5,821	295	6	1	81
2015	4	64	4	6,518	317	4	1	245
2016	4	56	4	7,081	265	2	0	110
Fired cured tobacco:								
2014	41	1,365	14	69,879	3,022	123	1	2,100
2015	41	1,314	14	67,927	2,867	174	2	4,553
2016	63	1,315	12	67,467	3,345	625	6	18,179
Flax:								
2014	142	3,362	297	47,596	7,024	794	56	4,794
2015	142	4,541	426	52,844	7,672	719	57	3,002
2016	265	3,432	339	38,252	5,463	437	41	2,202
Flue cured tobacco:								
2014	146	11,986	242	870,559	64,072	2,250	46	71,157
2015	146	11,226	216	663,243	48,267	3,504	69	106,453
2016	291	11,750	210	666,318	56,538	3,977	85	127,081
Forage production:								
2014	772	25,021	3,074	649,446	74,009	2,019	215	22,289
2015	780	20,381	2,716	562,737	52,558	3,268	352	35,856
2016	1,404	17,856	2,444	445,247	38,808	4,922	846	36,312
Forage seeding:								
2014	589	3,836	159	26,541	3,528	1,213	45	5,312
2015	590	4,798	215	37,269	4,923	1,261	49	5,140
2016	589	3,714	166	28,397	3,841	1,457	57	6,570
Fresh apricots:								
2014	29	146	3	9,643	1,277	14	0	668
2015	29	148	3	11,779	1,543	23	1	1,239
2016	29	136	3	10,645	1,395	13	0	369
Fresh freestone peaches:								
2014	25	681	19	33,067	1,214	41	0	201
2015	25	727	18	53,357	1,459	60	1	614
2016	25	693	17	57,958	1,454	37	0	256
Fresh market beans:								
2014	15	28	4	1,968	255	0	0	0
2015	15	26	5	2,653	301	10	2	376
2016	15	27	4	2,192	193	16	2	538
Fresh market sweet corn:								
2014	230	738	51	48,527	4,533	93	4	2,529
2015	230	665	43	43,574	3,225	86	3	1,727
2016	230	687	46	47,286	3,468	108	4	2,513
Fresh market tomatoes:								
2014	59	586	44	177,051	20,758	177	6	14,033
2015	59	518	39	144,739	14,388	109	4	8,626
2016	57	521	33	122,692	13,057	173	5	12,279

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2014–2016—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
Minneola Tangelos:								
2014	10	244	7	15,974	1,407	46	1,336	1,458
Mint:								
2014	31	256	25	22,203	989	56	2	810
2015	31	247	20	17,965	695	63	2	504
2016	48	345	22	20,869	1,080	79	3	941
Mustard:								
2014	45	119	18	2,528	544	33	5	447
2015	50	165	23	2,784	629	51	8	376
2013	75	468	68	9,310	2,322	89	15	1,466
Navel Oranges:								
2014	17	2,868	119	237,794	16,270	662	0	27,623
Nursery (FG & C):								
2014	2,799	3,044	0	1,563,248	33,906	50	0	3,407
2015	2,799	2,784	0	1,462,389	31,072	35	0	664
2016	2,799	2,666	0	1,376,494	25,286	49	0	5,797
Oats:								
2014	1,505	10,551	493	49,968	9,039	1,899	74	4,135
2015	1,505	11,519	539	54,598	9,382	1,435	59	3,373
2016	2,805	8,951	435	42,172	7,474	1,941	98	5,443
Olives:								
2014	13	468	26	28,935	2,913	256	11	7,331
2015	13	456	26	37,296	3,541	80	2	1,630
2016	13	439	25	29,395	2,940	71	3	1,425
Onions:								
2014	101	1,843	112	213,744	40,028	679	23	29,807
2015	100	1,702	103	200,672	35,998	868	28	41,239
2016	176	1,759	108	213,887	38,760	699	25	33,145
Orange trees:								
2014	31	3,332	0	1,311,749	20,685	2	0	33
2015	31	3,041	0	1,272,206	19,888	1	0	48
2016	31	2,777	0	1,218,188	14,231	1	0	94
Oranges:								
2014	29	4,339	369	451,339	13,735	4	0	127
2015	48	7,574	497	711,242	33,111	456	12	8,813
2016	48	6,720	470	664,345	31,253	262	6	5,250
Orlando Tangelos:								
2014	5	2	0	20	1	0	0	0
Papaya:								
2014	4	6	0	242	4	2	0	55
2015	4	56	0	1,795	46	9	0	200
2016	4	30	0	1,046	22	1	0	2
Papaya tree:								
2014	4	3	0	133	4	1	0	4
2015	4	10	0	345	6	5	0	38
2016	4	9	0	277	4	0	0	0
Pasture/Range-land/Forage:								
2014	2,059	111,017	52,763	974,348	201,449	54,631	0	180,123
2015	2,069	119,569	54,657	1,045,619	216,376	37,686	0	126,537
2016	3,069	118,230	51,786	1,390,409	280,704	45,174	0	178,682
Peaches:								
2014	222	1,477	34	80,398	18,408	625	13	24,096
2015	222	1,456	33	81,152	19,876	491	9	16,835
2016	383	1,412	32	82,365	21,536	525	9	13,359
Peanuts:								
2014	355	24,805	1,259	698,296	65,130	5,733	241	73,634
2015	1,065	25,320	1,502	737,960	72,659	6,941	366	96,440
2016	2,103	24,322	1,411	690,572	67,307	6,707	339	84,768
Pears:								
2014	29	1,866	34	97,748	2,174	87	2	1,653
2015	29	1,809	33	134,670	2,843	123	2	2,022
2016	29	1,894	32	147,476	3,361	113	2	2,111
Pecans:								
2014	147	1,784	158	237,766	14,835	481	31	13,673
2015	147	1,730	157	234,047	14,704	331	23	9,320
2016	138	1,797	159	276,535	15,795	247	13	8,095
Peppers:								
2014	13	110	6	23,689	3,788	14	0	1,211
2015	13	114	7	21,327	2,271	34	1	2,757
2016	13	129	6	25,384	3,225	56	2	4,850

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2014–2016—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>
Pistachios:								
2014	24	567	92	295,970	11,495	99	10	19,961
2015	24	613	106	431,536	15,676	332	76	193,093
2016	24	762	138	898,744	47,233	23	2	1,877
Plums:								
2014	23	800	14	22,972	2,745	93	1	731
2015	23	754	14	30,890	3,203	212	2	2,494
2016	23	713	12	36,664	3,891	98	1	1,110
Popcorn:								
2014	624	2,858	256	154,229	12,516	478	46	9,649
2015	2,634	2,221	218	132,375	10,458	542	57	12,467
2016	3,273	2,210	224	136,653	10,275	317	30	2,750
Potatoes:								
2014	315	6,160	864	1,178,954	98,353	788	48	37,212
2015	314	5,765	843	1,131,478	82,966	936	58	44,052
2016	531	5,535	764	1,082,413	79,050	874	63	43,578
Processing apricots:								
2014	13	67	3	4,685	721	5	0	343
2015	13	66	3	5,488	804	32	2	1,437
2016	13	59	3	6,465	944	19	1	1,595
Processing beans:								
2014	148	1,540	98	46,990	4,562	277	15	3,980
2015	146	1,497	94	49,684	4,545	328	16	4,551
2016	252	1,505	93	47,094	4,451	381	20	4,849
Processing cling peaches:								
2014	10	877	16	46,791	2,024	53	1	417
2015	10	818	15	54,825	2,115	33	0	642
2016	10	841	14	53,156	1,978	46	1	1,337
Processing freestone:								
2014	8	99	3	6,116	263	7	0	20
2015	8	90	2	7,379	236	6	0	84
2016	8	91	2	11,398	322	2	0	68
Prunes:								
2014	14	807	46	78,579	15,465	188	10	9,533
2015	14	773	44	113,650	23,347	146	8	9,707
2016	28	723	40	114,526	24,667	564	28	55,263
Pumpkins:								
2014	11	140	6	4,136	246	12	1	64
2015	11	180	8	5,150	296	142	6	1,916
2016	22	216	10	6,700	418	26	1	322
Raisins:								
2014	7	2,412	0	191,246	8,294	34	0	100
2015	7	2,510	0	243,488	11,118	354	0	1,737
2016	7	2,155	0	174,565	6,595	18	0	97
Rice:								
2014	402	18,633	2,668	1,783,743	93,828	3,395	429	142,095
2015	771	23,434	2,647	1,505,408	69,144	5,334	660	188,922
2016	999	21,386	2,744	1,697,077	87,570	5,006	595	104,901
Rio Red & Star Ruby:								
2014	3	340	12	14,398	3,064	50	0	397
2015	3	330	12	15,196	3,226	72	1	750
2016	3	324	12	16,383	2,230	74	1	893
Ruby red grapefruit:								
2014	3	51	1	475	79	8	0	15
2015	3	48	1	561	94	17	0	75
2016	3	46	1	529	57	13	0	58
Rye:								
2014	48	363	32	3,305	602	196	19	1,015
2015	48	568	45	5,420	976	157	9	613
2016	89	687	56	6,044	1,098	185	12	797
Safflower:								
2014	83	740	125	13,678	3,028	189	23	2,063
2015	83	639	122	10,467	1,884	113	20	868
2016	164	590	110	11,651	2,113	84	15	1,112
Sesame:								
2014	35	717	43	7,807	1,318	215	13	878
2015	53	1,148	68	10,502	2,131	421	27	2,518
2016	102	231	18	1,738	424	70	4	240

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2014–2016—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
Silage Sorghum:								
2014	97	948	82	19,971	2,898	123	11	1,421
2015	97	770	63	15,391	2,117	88	8	1,013
2016	194	548	51	11,533	1,621	36	3	366
Soybeans:								
2014	8,010	722,661	73,902	27,484,811	2,261,042	171,925	16,205	1,224,057
2015	13,263	709,262	74,556	24,285,443	2,107,369	147,735	12,632	1,156,210
2016	14,187	686,553	73,255	22,153,729	1,850,302	74,278	5,523	382,989
Strawberries:								
2014	6	1	0	325	22	0	0	0
2015	6	16	1	22,034	719	1	0	111
2016	6	17	1	22,048	971	0	0	0
Sugar beets:								
2014	120	14,201	1,062	736,568	40,307	1,896	129	22,865
2015	120	14,011	1,040	817,279	41,518	919	55	10,115
2016	239	13,784	1,025	922,791	50,574	1,820	115	37,727
Sugarcane:								
2014	31	4,791	584	257,586	7,183	210	13	3,442
2015	31	4,832	760	226,401	3,697	194	9	978
2016	62	5,647	782	263,496	3,971	142	6	1,082
Sunflowers:								
2014	915	10,186	1,593	334,533	56,444	4,125	621	74,013
2015	915	10,510	1,697	306,477	52,318	2,687	359	31,482
2016	1,794	8,236	1,436	269,000	46,958	1,602	199	20,625
Sweet corn:								
2014	166	2,710	226	102,611	5,248	364	24	4,483
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
Sweet oranges:								
2014	6	75	0	923	70	12	0	84
Sweet potatoes:								
2014	9	25	7	5,579	718	0	0	0
2015	9	18	7	4,105	320	1	0	12
2016	9	27	9	7,472	727	6	2	1,172
Table grapes:								
2014	10	1,204	81	286,090	10,792	106	3	4,374
2015	10	1,141	78	294,140	8,779	135	4	9,612
2016	10	1,168	77	313,289	9,244	119	3	6,349
Tangelos:								
2014	29	247	2	1,537	68	0	0	0
2015	39	477	9	18,573	1,548	25	0	395
2016	39	446	9	19,407	1,601	21	1	727
Tangerine trees:								
2014	3	15	17	394	15	0	0	0
2015	3	13	9	319	14	0	0	0
2016	3	12	9	383	17	0	0	0
Tangors:								
2014	29	282	6	9,998	541	1	0	14
2015	29	248	5	10,115	535	0	0	0
2016	29	210	5	9,900	503	2	0	43
Tomatoes:								
2014	93	3,150	297	556,703	11,601	130	11	4,103
2015	93	3,198	297	678,911	14,194	163	11	8,254
2016	148	2,893	262	603,646	13,779	130	12	8,481
Valencia oranges:								
2014	13	1,153	30	47,423	4,269	214	0	3,930
Walnuts:								
2014	26	1,721	149	349,066	10,396	36	1	1,402
2015	26	1,750	154	436,225	9,910	50	2	1,208
2016	52	1,785	158	307,235	6,912	79	3	2,170
Wheat:								
2014	8,376	455,437	47,964	9,269,403	1,453,403	194,304	19,449	1,643,145
2015	10,530	461,628	46,816	8,415,917	1,284,677	182,419	16,555	1,218,591
2016	15,516	410,006	42,808	6,771,938	1,109,986	70,837	8,042	499,809
Whole Farm Revenue Protection:								
2015	2,544	1,119	0	1,142,857	52,872	322	0	67,849
2016	3,140	2,183	0	2,331,618	119,232	396	0	81,530

RMA, Requirements, Analysis and Validation Branch, (816) 926-7910.

Table 10-3.—Farm real estate debt: Amount outstanding by lender, United States, Dec. 31, 2007–2016¹

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>
2007	57.8	2.6	2.8	41.1
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	5.4	5.5	84.4

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>
2007	16.3	10.8	0.3	131.7
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	225.5

Data as of August 30, 2017.
¹Beginning 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, 2007–2016

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>
2007	54.0	31.4	3.1	20.5	109.0
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	3.5	21.8	147.9

Data as of August 30, 2017.
¹Beginning 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, 2007–2016¹

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>
2007	3,865	1,268,809	8,518,399	18,477	674
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

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>
2007	8,673	1,789,590	5,732,012	691	74,898	920,453
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

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>
2007	47,914	3,317	1,184	7	173,095
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

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, 2007–2016

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>
2007	1,385	1,094	116	2,595	814	1,605	40	2,459
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

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>
2007	94.103	86.129	49.784	38.569	4.132	148.019	128.830
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

¹Reports of cooperatives are included for the calendar year. ²Includes 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. ³Includes cooperatives whose major activity is providing services related to marketing and farm supply activities. ⁴Includes 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.) ⁵Estimated 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. ⁶Estimated net business represents the value at the first level at which cooperatives transact business for farmers, adjusted for duplication resulting from intercooperative business. ⁷Receipts for services related to marketing or purchasing activities 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, 2015–2016

Item	Gross business		Net business ¹	
	2015	2016	2015	2016
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Products marketed:				
Beans and peas (dry edible)	0.210	0.208	0.207	0.205
Cotton and cotton products	2.768	2.330	2.653	2.187
Dairy products	41.007	39.818	38.328	38.562
Fish	0.224	0.228	0.224	0.228
Fruits and vegetables	8.301	8.276	5.889	5.913
Grain and oilseeds ²	49.320	44.912	48.347	44.294
Livestock and livestock products	4.793	3.779	4.792	3.779
Nuts	1.725	1.747	1.723	1.745
Poultry products	0.788	0.672	0.788	0.672
Rice	0.875	0.741	0.875	0.741
Sugar products	7.569	5.708	4.727	4.539
Tobacco	0.339	0.291	0.339	0.291
Wool and mohair	0.005	0.005	0.005	0.005
Other products ³	6.969	5.872	6.514	5.442
Total farm products	124.893	114.587	115.409	107.526
Supplies purchased:				
Crop protectants	10.935	10.044	7.315	6.486
Feed	12.261	11.107	9.932	9.093
Fertilizer	15.051	12.465	12.326	10.425
Petroleum	32.277	25.780	21.390	17.031
Seed	5.397	6.020	3.188	3.423
Other supplies ⁴	5.787	5.631	4.873	5.132
Total farm supplies	81.708	71.047	59.023	51.590
Receipts for services: ⁵				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous	5.458	5.440	5.458	5.440
Total business	212.059	191.075	179.890	165.632

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, 2015–2016

State	Cooperatives headquartered in State		Memberships in State ¹		Net business ¹	
	2015	2016	2015	2016	2015	2016
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Million dollars</i>	<i>Million dollars</i>
Alabama	46	44	26,969	25,502	751.84	851.50
Arkansas	30	29	33,632	34,096	2,401.98	2,165.62
California	107	103	34,507	34,989	10,766.02	10,452.62
Colorado	26	25	17,599	17,513	1,242.52	1,044.90
Florida	27	24	18,899	19,851	1,206.60	1,769.71
Georgia	11	10	14,080	13,928	1,204.29	1,232.30
Hawaii	12	10	606	518	21.77	21.53
Idaho	23	22	12,000	12,518	1,474.34	1,397.70
Illinois	97	94	110,475	113,372	13,765.26	11,968.02
Indiana	30	29	42,741	53,037	3,825.87	3,240.19
Iowa	88	80	100,976	96,779	18,340.76	16,819.32
Kansas	89	84	96,376	97,213	7,909.39	7,149.87
Kentucky	25	23	168,839	161,729	1,330.12	1,336.64
Louisiana	30	29	10,765	9,993	1,878.60	1,919.63
Maine	21	21	5,356	4,850	203.11	206.58
Maryland	11	10	35,900	35,768	616.35	660.29
Massachusetts	7	7	4,215	4,226	279.09	282.25
Michigan	39	38	39,158	38,441	3,954.22	3,759.91
Minnesota	184	178	120,575	122,992	22,311.32	19,918.94
Mississippi	44	40	47,680	42,928	1,324.11	1,237.78
Missouri	59	58	97,984	94,610	8,857.23	7,107.68
Montana	39	39	22,974	22,036	2,316.38	2,023.39
Nebraska	45	43	62,952	61,836	10,069.55	8,536.69
New Jersey	10	10	1,345	1,340	232.10	225.50
New York	49	48	4,515	7,337	1,827.00	3,268.73
North Carolina	12	11	22,756	22,358	817.85	769.08
North Dakota	138	134	77,634	76,684	8,899.71	7,965.19
Ohio	39	37	37,834	40,380	4,832.90	4,235.19
Oklahoma	49	49	37,251	36,864	1,829.16	1,603.73
Oregon	29	27	30,964	28,204	4,806.75	4,337.31
Pennsylvania	35	32	7,700	8,328	2,154.31	2,081.85
South Dakota	67	65	64,823	62,390	6,769.37	6,016.08
Tennessee	60	58	72,074	70,706	1,858.23	1,949.74
Texas	172	166	73,310	72,221	5,526.34	5,451.27
Utah	11	10	8,526	9,499	1,023.76	559.26
Virginia	52	46	128,229	124,391	1,727.73	1,855.90
Washington	60	57	27,645	26,043	6,087.13	5,400.59
West Virginia	12	12	60,938	60,921	99.53	113.64
Wisconsin	113	106	116,263	111,519	11,134.83	10,299.59
Wyoming	9	9	4,640	4,382	552.68	485.12
Other States ²	40	36	18,898	18,841	3,109.64	3,233.29
United States	2,047	1,953	1,920,603	1,901,133	179,339.76	164,954.13
Foreign ³			420	285	550.34	677.80
Total	2,047	1,953	1,921,023	1,901,418	179,890.10	165,631.92

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, 2007-2016

Year	Operating capital loans	Facility loans
	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2007	10,956,633	22,119,209
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

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 2016¹ (Inventory quantity)

Year	Barley	Butter and butter oil	Cheese and products	Corn	Cotton extra long staple	Cotton upland	Sorghum and products
	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million bushels</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>Million bushels</i>
2007	0	0	0	1	0	0	(³)
2008	0	0	0	0	0	0	(²)
2009	0	0	0	0	0	0	0
2010	0	(³)	0	0	0	0	(³)
2011	0	0	0	0	0	0	(³)
2012	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	(³)
2014	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0

Year	Milk and products	Oils and oilseeds	Oats and products	Rice and products ⁴	Peanut and products	Soybeans	Beans, dry edible
	<i>Million pounds</i>	<i>Million cwt</i>	<i>Million bushels</i>	<i>Million cwt</i>	<i>Million pounds</i>	<i>Million bushels</i>	<i>Million bushels</i>
2007	14	(²)	(²)	(³)	0	1	(³)
2008	0	0	0	(²)	0	0	(²)
2009	224	0	0	(²)	(²)	0	0
2010	7	0	0	(³)	0	0	(⁵)
2011	0	0	0	(²)	0	0	(²)
2012	0	0	0	0	0	0	0
2013	0	0	0	(³)	0	0	0
2014	0	0	0	(³)	4	0	0
2015	0	0	0	0	168	0	0
2016	0	0	0	0	0	0	0

Year	Wheat	Blended Foods	Poultry	Meat	Fish	Vegetable Oil Products	Value of all commodities owned
	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million dollars</i>
2007	39	0	0	0	0	6	185
2008	0	8	0	0	0	2	11
2009	0	13	0	0	0	6	205
2010	(²)	16	0	0	0	5	48
2011	0	16	0	0	0	33	53
2012	0	2	0	0	0	12	14
2013	0	25	0	0	0	23	71
2014	0	18	0	0	0	32	40
2015	2	13	0	0	0	23	55
2016	0	27	0	0	0	10	24

¹Commodities which were owned by CCC in some years but not shown in this table are as follows: tobacco, honey, sugar and products, dry whole peas, lentils, and potatoes. 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 2015–2016 ¹

Commodity	Unit	2015		2016 ³	
		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	2,556	4,871	3,794	7,061
Corn	1,000 bushels	44,185	110,902	59,619	116,982
Cotton, ELS & Upland ²	1,000 bales	188	51,479	(99)	71,149
Cotton, ELS & Upland ²	1,000 bales			1,878	981
Seed cotton, ELS & Upland	1,000 pounds ..	0		0	0
Sugar Cane and Beet	1,000 pounds ..	0	0	0	0
Flaxseed	1,000 cwt	11	108	38	379
Honey	1,000 pounds ..	1,666	1,149	2,771	1,878
Oats	1,000 bushels	443	596	552	733
Peanuts	1,000 pounds ..	330,202	68,156	254,476	38,460
Rice	1,000 cwt	4,384	31,467	4,589	29,727
Wool	1,000 pounds ..	0	0	0	0
Grain sorghum	1,000 bushels	31	62	302	569
Soybeans	1,000 bushels	3,990	29,951	1,736	13,338
Wheat	1,000 bushels	38,173	116,493	92,799	280,067
Sunflower Seed	1,000 cwt	52	537	67	685
Canola Seed	1,000 cwt	185	1,873	289	2,984
Safflower Seed	1,000 cwt	0	0	9	72
Mustard Seed	1,000 cwt	0	0	28	284
Sunflower Seed (non-oil)	1,000 cwt	32	642	79	807
Crambe Oilseed	1,000 cwt	0	0	0	0
Mohair	1,000 pounds ..	0	0	0	0
Chickpeas	1,000 cwt	7	81	20	229
Dry Whole Peas	1,000 cwt	372	3,586	488	2,583
Lentil Dry	1,000 cwt	68	2,049	138	1,463

¹Includes loans pledge directly by Commodity Credit Corporation. ²Includes extra long staple cotton and upland cotton. ³Loan pledges are made through fiscal year 2016.
 FSA, Office and Budget and Finance, Budget Division, (202) 720-0174.

Table 11-3.—Commodity Credit Corporation: Loan transactions for fiscal year 2016, by commodities ¹

Commodity	Unit	Loans out-standing Oct. 1, 2015 ²	New loans made	Loans repayments	Collateral acquired in settle-ment	Loans written off and trans-ferred to accounts receiv-able ³	Loans outstanding Sept. 30, 2016	
							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	110,915	1,447,667	(1,431,207)	.....	(10,393)	116,982	59,619
Cotton (Upland and ELS)	Bale	51,479	1,792,444	(1,557,338)	(13)	(215,243)	71,330	271
Cotton (Upland and ELS)	CLPS lbs	0	110,613	(22,808)	(83,743)	(3,262)	0	0
Seed cotton	Pound	0	1,732	(1,732)	.....	0	0	0
Peanuts	Pound	38,430	1,216,519	(775,545)	(8,081)	(432,863)	38,460	254,476
Rice	Cwt	31,467	269,456	(257,395)	.....	(13,801)	29,727	4,589
Tobacco	Pound	0	.....	.....	.....	0	0	0
Wheat	Bushel	116,558	467,829	(230,590)	(55,600)	(18,128)	280,067	92,799
Total ⁴ .....	.....	348,849	5,306,259	(4,276,615)	(147,437)	(693,690)	536,565	411,755
Designated nonbasic commodities								
Barley	Bushel	4,871	16,917	(14,427)	0	(300)	7,061	3,794
Sorghum	Bushel	62	4,914	(4,314)	0	(93)	569	302
Honey	Pound	1,149	4,797	(4,010)	0	(58)	1,878	2,771
Oats	Bushel	608	1,564	(1,424)	0	(16)	733	552
Raw sugar, cane	Pound	0	216,595	(216,595)	0	0	0	0
Refined sugar, cane	Pound	0	.....	.....	0	0	0	0
Raw sugar beet	Pound	0	583,799	(570,370)	0	(13,429)	0	0
Refined sugar beet	Pound	0	225,303	(225,303)	0	0	0	0
FlaxSeed	Cwt	108	1,656	(1,338)	0	(48)	379	38
Sunflower seed (oil)	Cwt	537	11,456	(11,250)	0	(58)	685	67
Canola seed	Cwt	1,873	15,919	(14,328)	0	(479)	2,984	289
Safflower seed	Cwt	0	120	(48)	0	0	72	9
Rapeseed	Cwt	0	.....	.....	0	0	0	0
Mustard seed	Cwt	0	314	(30)	0	0	284	28
Crambe oilseed	Cwt	0	.....	.....	0	0	0	0
Sunflower seed, non oil	Cwt	642	2,849	(2,593)	0	(91)	807	79
Total ⁴ .....	.....	9,850	1,086,203	(1,066,029)	0	(14,571)	15,454	7,929
Other nonbasic commodities:								
Soybeans	Bushel	29,982	615,644	(629,682)	0	(2,605)	13,338	1,736
Mohair	Pound	0	.....	.....	0	0	0	0
Chickpeas	Pound	81	403	(255)	0	0	229	20
Lentils	Pound	132	1,827	(496)	0	0	1,463	138
Peas, dry whole	Pound	1,422	4,533	(3,373)	0	0	2,583	488
Wool	Pound	0	.....	.....	0	0	0	0
Total ⁴ .....	.....	31,617	622,407	(633,806)	0	(2,605)	17,612	2,382
Grand total ⁵ .....	.....	390,316	7,014,869	(5,976,451)	(147,347)	(710,866)	569,632	422,066

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, 2016

Program and commodity	Unit	Quantity					
		Inventory Oct. 1, 2015	Purchases	Collateral acquired from loans	Other addition deduction	Sales and other dispositions ¹	Inventory Sept. 30, 2016
		Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
Feed grains:							
Barley	Bushel	0	0	0	0	0	0
Corn	Bushel	0	156	0	0	156	0
Corn products	Pound	0	67,500	0	0	61,129	6,371
Grain sorghum	Bushel	0	19,523	0	0	19,492	31
Sorghum grits	Pound	0	0	0	0	0	0
Oats	Bushel	0	0	0	0	0	0
Food grains, cotton and tobacco:							
Wheat	Bushel	0	31,874	18,748	0	50,622	0
Wheat flour	Pound	0	26,280	0	0	26,280	0
Bulgur	Pound	1,894	5,965	0	0	7,859	0
Rice, milled	Cwt	0	1,432	0	0	1,400	32
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	5,721	0	5,721	0
Upland cotton	CLPS lbs.	0	0	161,434	0	161,434	0
Tobacco Products	Pound	0	0	0	0	0	0
Dairy products:							
Butter	Pound	0	0	0	0	955	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	168,132	0	44,576	13,626	226,333	0
Roasted peanuts	Pound	0	0	1,102	0	1,102	0
Peanut butter	Pound	0	0	4,471	0	4,471	0
Soybeans	Bushel	0	0	0	0	0	0
Soybean products	Pound	0	47,113	0	0	47,113	0
Dry edible beans	Cwt	0	292	0	0	222	71
Flaxseed	Cwt	0	0	0	0	0	0
Blended foods	Pound	13,424	119,182	0	0	105,414	27,192
Dry whole peas and lentils	Cwt	168	3,726	0	0	3,667	227
Sugar cane and beet	Pound	0	0	0	0	0	0
Vegetable oil products	Pound	22,862	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 .....	.....	2,110	6,784	0	0	8,894	0
Total inventory operations	.....	208,589	539,087	236,052	13,626	953,290	44,063

See footnote(s) at end of table.

Table 11-4.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, as of September 30, 2016—Continued

Program and commodity	Unit	Value					Inventory Sept. 30, 2016
		Inventory Oct. 1, 2015	Purchases	Collateral acquired from loans	Other addition deduction	Sales and other dispositions ¹	
		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	7,635	0	0	7,635	0
Corn products	Pound	0	10,291	133	0	9,662	762
Grain sorghum	Bushel	0	91,631	0	115	91,489	257
Sorghum grits	Pound	0	0	0	0	0	0
Oats	Bushel	0	0	0	0	0	0
Food grains, cotton and tobacco:							
Wheat	Bushel	0	183,590	55,600	19	239,210	0
Wheat flour	Pound	0	5,396	0	0	5,396	0
Bulgur	Pound	241	888	0	0	1,129	0
Rice, milled	Cwt	0	29,507	96	136	28,928	812
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	1,437,895	(14)	1,437,881	0
Upland cotton	CLPS lbs	0	0	83,743	0	83,743	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	29,726	0	8,081	2,555	40,362	0
Peanut butter	Pound	0	0	1,433	0	1,433	0
Soybeans	Bushel	0	0	8,102	0	8,102	0
Soybean products	Pound	0	13,679	0	0	13,679	0
Dry edible beans	Cwt	0	10,373	0	0	7,925	2,448
Flaxseed	Cwt	0	0	0	0	0	0
Blended foods	Pound	2,669	32,338	260	2,120	27,899	9,488
Dry whole peas and lentils	Cwt	4,081	118,609	0	1,395	118,585	5,499
Sugar, cane and beet	Pound	0	0	0	0	0	0
Vegetable oil products	Pound	12,125	106,703	93	230	113,434	5,716
Wool	Pound	0	0	0	0	0	0
Mohair	Pound	0	0	0	0	0	0
Other ²		5,746	15,762	(4,319)	0	18,601	(536)
Total inventory operations		54,588	626,403	1,591,116	6,556	2,255,093	24,447

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 2016 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	133	0	133
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	106	106
Wheat flour	0	0	0	0	0
Wheat product, Other	0	0	0	0	0
Rice, milled	0	0	96	(10)	86
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	32,549	32,549
Peanut butter	0	0	3,752	0	3,752
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	260	(107)	153
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	93	(2)	91
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	4,334	32,533	36,867

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 2016¹—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	7,074	561	7,635	7,635
Corn products	0	0	9,530	9,530	9,663
Grain sorghum	0	0	91,489	91,489	91,489
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	888	888	888
Wheat	0	31,486	152,105	183,591	183,697
Wheat flour	0	0	5,396	5,396	5,396
Wheat product, Other	0	0	0	0	0
Rice, milled	0	11,207	17,635	28,842	28,928
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	32,549
Peanut butter	0	0	0	0	3,752
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	13,679	0	13,679	13,679
Fruit fresh apples	0	0	0	0	0
Blended foods	0	0	27,746	27,746	27,899
Potatoes	0	0	2,149	2,149	2,149
Grains and seeds:					
Feed for Government facilities	0	0	0	0	0
Foundation seeds	0	0	0	0	0
Lentils dry	0	0	22,530	22,530	22,530
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	95,864	95,864	95,861
Dry edible beans	0	0	7,925	7,925	7,925
Honey	0	0	0	0	0
Sugar	0	0	0	0	0
Vegetable oil products	0	23,204	90,140	113,344	113,435
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	1,711	14,742	16,453	16,453
Total	0	88,361	538,700	627,061	663,928

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, 2006–2016 ¹

Year Month	Inventory investment	Loan investment	Total investment
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
2006:			
March	84	5,503	5,587
June	93	3,016	3,109
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

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 2016 as of September 30, by State and Territories ¹

State or Territory	Barley	Corn	Cotton-	Cotton-	Dry whole	Flaxseed
	1,000 dollars	1,000 dollars	bales	CLIPS lbs.	peas	
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Alabama	0	1,188	34,153	883	0	0
Alaska	16	0	0	0	0	0
Arizona	0	1,805	0	0	0	0
Arkansas	0	8,018	74,713	23,580	0	0
California	0	0	414,241	6,420	0	0
Colorado	85	17,378	0	0	0	0
Connecticut	0	0	0	0	0	0
Delaware	0	1,501	0	0	0	0
Florida	0	136	0	96	0	0
Georgia	0	1,842	0	5,885	0	0
Hawaii	0	0	0	0	0	0
Idaho	2,364	906	0	0	180	0
Illinois	0	119,453	0	0	0	0
Indiana	0	119,446	0	0	0	0
Iowa	0	353,543	0	0	0	0
Kansas City Commodity	0	27,361	0	0	0	0
Kansas	0	0	0	0	0	0
Kentucky	70	21,115	0	0	0	0
Louisiana	0	200	0	25,245	0	0
Maine	59	0	0	0	0	0
Maryland	0	4,716	0	0	0	0
Massachusetts	0	7	0	0	0	0
Michigan	0	49,452	0	0	0	0
Minnesota	516	397,663	0	0	59	0
Mississippi	0	6,097	598,740	22,109	0	0
Missouri	0	44,071	0	3,802	0	0
Montana	5,428	149	0	0	3,976	168
Nebraska	33	129,188	0	0	0	20
Nevada	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0
New Jersey	0	819	0	0	0	0
New Mexico	0	1,065	0	0	0	0
New York	4	23,615	0	0	0	0
North Carolina	15	3,573	24,156	0	0	0
North Dakota	3,206	60,196	0	0	1,688	959
Ohio	1	58,674	0	0	0	0
Oklahoma	0	1,078	0	0	0	0
Oregon	0	0	0	0	0	0
Pennsylvania	0	10,099	0	0	0	0
Rhode Island	0	0	0	0	0	0
South Carolina	0	1,309	0	0	0	0
South Dakota	91	96,627	0	0	0	0
Tennessee	0	5,595	272,953	90,378	0	0
Texas	0	13,850	913,698	883	0	0
Utah	6	0	0	0	0	0
Vermont	0	0	0	0	0	0
Virginia	33	4,385	0	0	0	0
Washington	79	0	0	0	393	0
West Virginia	0	1,467	0	0	0	0
Wisconsin	21	65,042	0	0	0	0
Wyoming	2	728	0	0	0	0
Total ²	12,031	1,653,356	2,332,655	179,281	6,295	1,147

See footnote(s) at end of table.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2016 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	5,069	0	0
Alaska	0	0	0	0	0	0
Arizona	0	0	0	0	0	0
Arkansas	0	0	0	0	126,307	0
California	359	0	0	0	109,428	0
Colorado	0	0	335	0	0	0
Connecticut	0	0	0	0	0	0
Delaware	0	0	0	0	0	0
Florida	29	0	0	14,890	0	0
Georgia	0	0	0	622,240	0	0
Hawaii	0	0	0	0	0	0
Idaho	341	32	228	0	0	0
Illinois	5	0	0	0	0	0
Indiana	0	0	0	0	0	0
Iowa	263	9	0	0	0	0
Kansas City Commodity	4	0	0	0	0	0
Kansas	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0
Louisiana	0	0	0	0	10,125	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	0	0	0
Minnesota	69	26	338	0	0	0
Mississippi	0	0	0	2,946	20,495	0
Missouri	0	0	.....	0	11,946	0
Montana	374	0	785	0	0	0
Nebraska	0	16	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	1,750	0	0
New York	0	10	4	0	0	0
North Carolina	0	0	0	33,132	0	0
North Dakota	0	26	14,563	0	0	0
Ohio	0	3	0	0	0	0
Oklahoma	45	0	0	1,739	0	3,712
Oregon	91	0	0	0	0	0
Pennsylvania	25	15	0	0	0	0
Rhode Island	0	0	0	0	0	0
South Carolina	0	0	0	3,033	0	0
South Dakota	439	80	7,489	0	0	0
Tennessee	3	0	0	0	174	0
Texas	0	0	0	50,193	13,415	2,985
Utah	0	0	0	0	0	0
Vermont	0	0	0	0	0	0
Virginia	0	0	0	52,785	0	0
Washington	9	26	38	0	0	0
West Virginia	0	0	0	0	0	0
Wisconsin	9	8	0	0	0	0
Wyoming	0	0	0	0	0	0
Total ²	2,065	366	23,790	787,777	291,890	6,697

See footnote(s) at end of table.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2016 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	260	0
Colorado	687	0	150,403	11,877	0
Connecticut	0	0	0	0	0
Delaware	0	373	0	0	0
Florida	0	0	72,000	0	0
Georgia	0	86	0	58	0
Hawaii	0	0	0	0	0
Idaho	0	0	386,351	13,195	0
Illinois	0	38,404	0	1,064	0
Indiana	0	67,399	0	84	0
Iowa	0	95,885	0	0	0
Kansas City Commod	2,095	7,546	0	7,617	0
Kansas	0	0	0	0	0
Kentucky	0	11,526	0	3,175	0
Louisiana	0	38	215,833	0	0
Maine	0	20	0	0	0
Maryland	0	2,570	0	319	0
Massachusetts	0	0	0	0	0
Michigan	0	21,289	75,617	454	0
Minnesota	9	87,923	163,381	5,820	0
Mississippi	0	3,208	0	0	0
Missouri	702	32,364	0	570	0
Montana	0	0	0	41,674	4
Nebraska	24	20,760	0	2,546	0
Nevada	0	0	0	0	0
New Hampshire	0	0	0	0	0
New Jersey	0	91	0	0	0
New Mexico	0	0	0	0	0
New York	0	6,238	0	256	0
North Carolina	30	1,891	0	242	0
North Dakota	0	15,289	0	28,387	0
Ohio	0	55,486	0	327	0
Oklahoma	671	149	0	4,341	0
Oregon	0	0	0	1,763	4
Pennsylvania	0	4,764	0	260	0
Rhode Island	0	0	0	0	0
South Carolina	8	1,224	0	24	0
South Dakota	1,662	27,554	0	6,526	0
Tennessee	0	2,722	0	369	0
Texas	345	0	0	2,114	0
Utah	0	0	0	585	0
Vermont	0	0	0	0	0
Virginia	0	2,424	0	201	0
Washington	0	0	0	17,400	0
West Virginia	0	1,114	0	0	0
Wisconsin	0	15,770	0	129	0
Wyoming	0	0	10,907	549	0
Total ²	6,241	526,929	1,074,491	152,188	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 2015–2016

Program and commodity	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Acreage grazing payments	0	8,750
Additional risk coverage	4,378,513	6,074,195
American indian - livestock feed	0	0
Aquaculture block grant	0	0
Auto conservation reserve program (CRP)-cost shares	72,597	114,208
Avg crop revenue election program	18,822	1,879
Bioenergy program	0	0
Biomass crop assistance	7,919	7,016
Cotton ginning cost share	0	326,750
Cotton transition program	29,056	2,030
Cottonseed payment program	0	0
Crop assistance program	12	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	1,580,750	1,665,213
CRP incentives	69,869	127,586
CRP transition incentive	4,144	6,173
Dairy economic loss assistance	0	0
Dairy indemnity	462	161
Dairy market loss assistance	0	0
Direct and counter cyclical program	11,187	5,816
Durum wheat quality program	0	0
Extra long staple special provision program	0	0
Emergency Assistance program	21,905	23,696
Emergency conservation program	21,066	30,198
Emergency forest restoration	3,769	3,666
Environment quality incentives	0	0
Feed indemnity program	0	0
Finalty rule	0	0
FL hurricane citrus disaster	0	0
Forestry conservation reserve	4,511	4,549
Forgiven interest	5	549
FL nursery disaster	0	0
FL vegetable disaster	0	0
Florida sugarcane program	0	0
Grasslands reserve program	9,131	9,401
Geographic disadvantaged program	2,009	1,992
Hard white winter wheat	0	0
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	1,296,327	394,628
Livestock indemnity program	37,708	41,982
Loan deficiency	155,734	167,301
Margin protection-Dairy	688	10,614
Market gains	53,234	40,158
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	1,440	4
Noninsured assistance program	142,304	144,126
Peanut quota buyout program	0	0
Pima cotton trust fund program	14,832	14,788
Price loss coverage	755,177	1,946,059
Speciality crop - nursery	0	0
Speciality crop - tropical fruit	0	0
Specialty crop - citrus	0	0
Specialty crop - fruit/vegetable	0	0
Storage forgiven	9,908	9,820
Sugar beet disaster program	0	0
Supplemental assistance program	4,231	1,305
Texas sugarcane storage & transportation	0	0
Tobacco quota holder-interest	10	0
Trade adjustment assistance	13	312
Tree assistance program	13,892	10,700
TTPP tobacco producer	307	0
Upland cotton assistance	48,377	45,581
Wetlands reserve	0	0
Wool manufacturers trust fund	29,158	27,836
01 - 02 crop disaster assistance	0	0
05 - 07 crop disaster assistance	0	0
05 - 07 dairy disaster program	0	0
05 - 07 livestock compensation	0	0
05 - 07 livestock indemnity program	0	0
Grand Total	8,799,065	11,269,042

Table 11-9.—Farm Service Agency programs: Payments received, by States, calendar year 2015–2016

State	Payments	
	2015	2016
	1,000 dollars	1,000 dollars
Alabama	75,619	155,898
Alaska	1,055	1,071
Arizona	31,122	21,241
Arkansas	267,292	431,612
California	143,305	137,964
Colorado	164,683	196,845
Connecticut	1,371	1,205
Delaware	778	8,267
District of Columbia	44	14
Florida	52,313	57,782
Georgia	245,235	387,544
Hawaii	9,054	7,209
Idaho	62,793	110,974
Illinois	380,279	1,094,197
Indiana	190,489	588,026
Iowa	1,174,773	1,052,670
Kansas	461,665	531,988
Kentucky	107,462	112,307
Louisiana	122,169	228,549
Maine	1,940	2,796
Maryland	13,967	32,521
Massachusetts	1,172	1,996
Michigan	166,723	179,885
Minnesota	789,788	557,491
Mississippi	117,334	254,717
Missouri	157,173	388,587
Montana	79,158	185,543
Nebraska	695,213	784,862
Nevada	26,342	12,971
New Hampshire	730	758
New Jersey	3,449	6,718
New Mexico	54,022	53,481
New York	50,363	67,052
North Carolina	65,017	161,973
North Dakota	268,806	544,408
Ohio	283,950	455,855
Oklahoma	477,250	232,078
Oregon	110,226	107,562
Pennsylvania	34,664	50,756
Rhode Island	37	168
South Carolina	44,975	75,911
South Dakota	336,432	380,002
Tennessee	31,521	82,233
Texas	856,156	889,077
Utah	30,705	21,616
Vermont	3,426	4,268
Virginia	35,398	47,978
Washington	178,262	204,114
West Virginia	3,211	3,545
Wisconsin	252,650	239,701
Wyoming	40,910	21,561
KCCO	92,366	88,204
Puerto Rico	4,033	2,938
Virgin Islands	20	279
Guam	135	59
MI	35	4
AS	1	8
Total ¹	8,799,065	11,269,039

¹Total 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, 2015-16 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	195,030
Texas oranges and grapefruit	170	80,749
Deciduous fruits		
California olives	1,000	160,043
California desert grapes	41	73,121
California kiwifruit	175	30,893
Florida avocados	300	20,562
Washington apricots	94	6,517
Washington sweet cherries	1,500	408,408
Washington and Oregon pears ¹	1,500	354,311
Tart cherries (7 States) ²	600	87,037
Cranberries (10 States) ³	1,200	277,527
Dried fruits		
California dates	70	68,016
California plums	800	221,100
California raisins	3,000	696,796
Vegetables		
Florida tomatoes	100	318,349
Idaho and Eastern Oregon onions	250	111,241
South Texas onions	85	19,680
Georgia onions (Vidalia)	80	85,387
Onions (Walla Walla, Washington)	21	6,401
Potatoes⁴		
Colorado	180	140,024
Idaho and Eastern Oregon	450	185,278
Washington	267	63,971
Tree Nuts		
California almonds	6,400	5,325,000
California, Arizona, and New Mexico pistachios ⁵	1,040	669,600
California walnuts	4,100	976,860
Oregon and Washington hazelnuts	650	86,800
Spearmint oil⁶		
.....	130	31,040
Peanuts⁷		
.....	6,182	1,186,903
Total 28 programs⁸		11,886,643

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

Practice code	Practice	Acres
CP1	Introduced grasses and legumes	3,283,494
CP2	Native grasses	5,924,337
CP3	Tree planting	825,355
CP4	Wildlife habitat with woody vegetation	1,817,661
CP5	Field windbreaks	88,900
CP6	Diversions	18
CP7	Erosion control structures	14
CP8	Grass waterways	126,100
CP9	Shallow water areas for wildlife	28,722
CP10	Existing grasses and legumes ¹	3,870,553
CP11	Existing trees	355,198
CP12	Wildlife food plots	40,688
CP15	Contour grass strips	63,032
CP16	Shelterbelts	31,773
CP17	Living snow fences	6,446
CP18	Salinity reducing vegetation	221,852
CP21	Filter strips (grass)	809,554
CP22	Riparian buffers (trees)	771,740
CP23	Wetland restoration	1,096,305
CP24	Cross wind trap strips	101
CP25	Rare and declining habitat	1,438,614
CP26	Sediment retention	51
CP27	Farmable wetland pilot (wetland)	100,592
CP28	Farmable wetland pilot (upland)	225,888
CP29	Wildlife habitat buffer (marginal pasture)	119,590
CP30	Wetland buffer (marginal pasture)	43,955
CP31	Bottomland hardwood	143,740
CP32	Hardwood trees	7,008
CP33	Upland bird habitat buffers	253,525
CP34	Flood control structure	69
CP36	Longleaf pine	159,100
CP37	Duck nesting habitat	367,243
CP38	State acres for wildlife enhancement	1,350,855
CP39	FWP--Constructed wetlands	435
CP40	FWP--Aquaculture wetlands	17,129
CP41	FWP--Flooded prairie wetlands	55,791
CP42	Pollinator Habitat ²	235,222
CP88	Grasslands-Introduced grass	431
	Total	23,881,082

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 year¹, as of August 2016

Sign up	Before 2008	2008	2009	2010	2011	2012
1-28	1,416,951					
29	716,475					
30	262,585					
31	326,365					
32	47	2,180,006	816,911	520,485	236,592	
33	798,320	78				
35	149,691	346,021				
36	44	201,594	173,288			
37	4		220,351	224,271		90
38				215,532	380,961	
39					3,670,384	
40					170,468	
41						
42						490,607
43						3,464,226
44						22,972
45						
46						
47						
48						
200						
All	3,670,482	2,727,700	1,210,551	960,288	4,458,406	3,977,895

Sign up	2013	2014	2015	2016	Total
1-28					1,416,951
29					716,475
30					262,585
31					326,365
32					3,754,041
33					798,398
35					495,712
36					374,926
37					444,717
38					596,493
39					3,670,384
40	308,544				479,012
41	2,491,602				2,491,602
42	116,607				607,214
43					3,464,226
44		506,362			529,334
45		1,549,108			1,549,108
46		3,222	523,598		526,821
47			174,113	697,784	871,897
48				505,702	505,702
200				447	447
All	2,916,753	2,058,692	697,711	1,203,932	23,882,410

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. Continuous Sign-up Numbers: 14, 17, 19, 21-25, 27, 28, 30, 31, 35-38, 40, 42, 44, 46, 47.
 FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-1.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, August 2016
(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	13,663	779,965	69.45	3,136	159,385	87.96
Alaska	2,033	0	.....	.....	0	.....
Arkansas	4,043	253,396	86.01	4,354	638,517	180.62
California	20,009	783,459	149.59	185	12,210	351.87
Colorado	67,218	3,345,790	65.57	828,632	46,897,945	69.98
Delaware	31	11,105	358.23	23	16,310	700.00
Florida	249	0	.....	108	3,718	143.00
Georgia	841	62,206	100.62	81	10,962	812.00
Hawaii .....	.....	0	.....	.....	0	.....
Idaho	206,253	13,624,270	78.38	41,153	2,849,178	78.82
Illinois	176,560	8,039,022	66.71	49,661	7,715,501	223.50
Indiana	21,666	1,173,006	84.83	14,651	1,786,996	202.76
Iowa	221,437	6,855,199	44.43	129,963	19,551,291	228.41
Kansas	13,167	434,855	46.14	701,881	29,118,551	47.77
Kentucky	33,946	2,727,716	136.06	22,699	1,946,361	147.38
Louisiana	974	32,098	67.31	1,474	194,200	204.17
Maine	2,619	439,001	201.89	.....	0	.....
Maryland	8,407	577,766	163.41	2,239	230,305	205.58
Massachusetts .....	.....	0	.....	.....	0	.....
Michigan	24,760	2,611,186	136.07	18,892	2,878,107	206.11
Minnesota	72,164	2,038,848	43.62	55,431	2,392,821	90.62
Mississippi	20,878	251,646	114.16	2,660	61,809	142.35
Missouri	465,100	22,637,989	90.24	159,114	14,276,385	176.96
Montana	427,741	4,782,835	21.39	306,134	3,760,416	31.07
Nebraska	29,979	2,809,515	104.99	283,894	18,854,018	81.06
Nevada .....	.....	.....	.....	.....	.....	.....
New Hampshire .....	.....	0	.....	.....	0	.....
New Jersey	303	5,620	200.00	124	0	.....
New Mexico	46,609	3,334,823	89.90	292,007	21,817,878	114.82
New York	6,015	1,358,187	267.00	699	322,548	560.76
North Carolina	1,050	53,883	86.28	205	93,282	1,132.07
North Dakota	164,924	5,875,861	49.06	18,962	1,205,851	85.61
Ohio	14,022	798,882	123.43	50,074	4,251,632	117.91
Oklahoma	113,347	5,379,726	61.14	336,095	17,286,007	71.39
Oregon	208,229	12,426,802	70.90	93,984	7,405,609	91.00
Pennsylvania	79,691	9,213,112	150.05	28,450	3,435,324	178.84
Puerto Rico .....	.....	0	.....	.....	0	.....
South Carolina	883	45,105	220.16	182	0	.....
South Dakota	50,360	1,402,191	34.34	78,206	4,555,369	87.91
Tennessee	31,348	1,421,106	120.67	23,832	2,910,857	202.96
Texas	265,016	16,353,110	88.04	1,774,749	123,345,944	87.59
Utah	69,865	2,305,019	42.59	14,257	1,018,778	75.95
Vermont	7	0	.....	.....	0	.....
Virginia	2,951	507,913	350.65	1,295	210,379	457.74
Washington	249,082	12,863,505	62.21	554,975	35,754,110	90.73
West Virginia	208	17,792	134.89	.....	0	.....
Wisconsin	48,653	3,607,135	95.85	28,433	2,752,819	166.25
Wyoming	97,042	1,751,073	30.94	1,418	49,436	86.38
United States	3,283,494	153,004,524	68.68	5,924,337	379,770,808	85.85

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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	119,435	10,488,387	117.32	7,605	864,056	288.76
Alaska	0	0	.....	0	0	.....
Arkansas	41,722	3,650,836	118.99	2,315	131,992	77.36
California	64	0	.....	9,851	1,275	250.00
Colorado	17	0	.....	392,530	23,158,044	82.59
Delaware	2,575	906,228	375.63	791	214,096	377.47
Florida	17,098	928,442	163.92	1,080	0	.....
Georgia	72,941	8,703,326	147.38	2,597	257,986	242.26
Hawaii	13	55,854	4,168.21	0	0	.....
Idaho	5,751	435,612	93.94	74,442	2,301,224	52.69
Illinois	44,106	9,180,574	282.39	101,847	24,700,405	380.85
Indiana	16,685	3,018,835	293.50	7,487	946,853	266.34
Iowa	15,673	4,272,011	369.88	125,377	3,065,828	145.51
Kansas	405	43,623	191.60	317,872	16,217,532	57.36
Kentucky	3,949	815,146	251.49	327	68,027	340.94
Louisiana	59,693	5,640,685	123.32	32,667	2,988,083	122.75
Maine	129	84,326	938.00	38	0	.....
Maryland	907	200,674	538.72	1,608	157,178	237.90
Massachusetts	0	0	.....	0	0	.....
Michigan	6,051	809,574	213.46	11,687	421,419	124.16
Minnesota	25,110	2,413,928	141.71	161,005	1,636,851	93.24
Mississippi	246,953	6,216,711	121.98	4,227	286,714	528.82
Missouri	13,348	995,429	238.20	3,079	205,693	155.12
Montana	31	0	.....	12,075	586,155	220.52
Nebraska	597	55,703	260.88	44,927	2,846,151	74.36
Nevada	0	0	.....	0	0	.....
New Hampshire	0	0	.....	0	0	.....
New Jersey	99	12,750	250.00	0	0	.....
New Mexico	0	0	.....	140	16,800	120.00
New York	851	392,241	593.53	491	260,187	668.00
North Carolina	26,787	6,313,371	300.71	765	472,446	1,051.05
North Dakota	475	33,272	179.16	290,396	13,702,612	75.42
Ohio	8,107	2,377,906	520.82	11,152	411,401	106.69
Oklahoma	288	21,105	110.90	620	31,570	98.11
Oregon	2,106	152,354	320.10	8,197	831,062	157.63
Pennsylvania	988	817,045	1,089.93	4,302	1,360,271	405.50
Puerto Rico	16	1,510	151.00	20	0	.....
South Carolina	24,997	837,870	74.06	1,516	60,917	194.22
South Dakota	21	946	220.00	50,353	2,825,025	73.06
Tennessee	24,389	1,807,516	175.48	3,147	86,396	162.21
Texas	1,465	49,738	95.48	18,504	699,529	77.76
Utah	0	0	.....	13	0	.....
Vermont	0	0	.....	0	0	.....
Virginia	8,661	1,097,169	180.28	445	100,382	476.19
Washington	1,978	129,648	73.65	107,730	7,074,602	115.52
West Virginia	22	4,602	464.85	0	0	.....
Wisconsin	30,848	5,409,045	296.97	3,847	397,861	296.67
Wyoming	1	0	.....	591	0	.....
United States	825,355	78,373,993	174.88	1,817,661	109,386,622	99.59

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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	1,419	981,550	981.29	.....	0	.....	.....	0	.....
Delaware	0	0	.....	.....	0	.....	.....	0	.....
Florida	0	0	.....	.....	0	.....	.....	0	.....
Georgia	0	0	.....	.....	0	.....	.....	0	.....
Hawaii	0	0	.....	.....	0	.....	.....	0	.....
Idaho	241	509,445	2,709.09	.....	0	.....	.....	0	.....
Illinois	2,312	427,060	256.32	15	0	.....	4	0	.....
Indiana	1,527	274,525	225.54	.....	0	.....	0	0	.....
Iowa	6,458	1,382,550	300.01	.....	0	.....	5	38	25.00
Kansas	1,635	604,353	518.72	.....	0	.....	.....	0	.....
Kentucky	0	0	.....	.....	0	.....	.....	0	.....
Louisiana	0	0	.....	.....	0	.....	.....	0	.....
Maine	0	0	.....	.....	0	.....	.....	0	.....
Maryland	0	0	.....	.....	0	.....	.....	0	.....
Massachusetts	0	0	.....	.....	0	.....	.....	0	.....
Michigan	2,294	597,097	303.00	1	0	.....	.....	0	.....
Minnesota	8,469	2,332,093	336.92	.....	0	.....	0	0	.....
Mississippi	0	0	.....	.....	0	.....	.....	0	.....
Missouri	82	23,330	481.03	3	0	.....	3	0	.....
Montana	160	69,112	521.05	.....	0	.....	.....	0	.....
Nebraska	31,726	15,290,220	716.37	.....	0	.....	.....	0	.....
Nevada	0	0	.....	.....	0	.....	.....	0	.....
New Hampshire	0	0	.....	.....	0	.....	.....	0	.....
New Jersey	8	37,146	4,780.69	.....	0	.....	.....	0	.....
New Mexico	0	0	.....	.....	0	.....	.....	0	.....
New York	3	1,684	647.69	.....	0	.....	.....	0	.....
North Carolina	26	2,395	145.15	.....	0	.....	.....	0	.....
North Dakota	4,168	2,342,750	674.02	.....	0	.....	.....	0	.....
Ohio	3,405	1,038,181	392.15	.....	0	.....	.....	0	.....
Oklahoma	35	5,837	1,423.66	.....	0	.....	.....	0	.....
Oregon	4	525	145.83	.....	0	.....	.....	0	.....
Pennsylvania	0	0	.....	.....	0	.....	.....	0	.....
Puerto Rico	0	0	.....	.....	0	.....	.....	0	.....
South Carolina	33	2,602	93.06	.....	0	.....	.....	0	.....
South Dakota	24,497	15,480,771	797.72	.....	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	128	40,243	467.13	.....	0	.....	1	0	.....
Wyoming	225	199,753	1,560.57	.....	0	.....	.....	0	.....
United States	88,900	41,670,889	630.45	18	.....	.....	14	38	25.00

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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		117	31,959	544.54
Alaska	0	0			0	
Arkansas	5	66	12.74	549	50,254	267.41
California	0	0		15	9,750	650.00
Colorado	518	6,648	154.89	18	0	
Delaware	6	0		211	222,572	1,627.11
Florida	0	0			0	
Georgia	31	13,664	935.89	23	14,424	1,109.54
Hawaii	0	0			0	
Idaho	0	0		23	224	70.00
Illinois	32,030	25,866,317	1,596.25	4,656	1,337,036	674.15
Indiana	18,840	50,694,997	5,437.90	947	217,690	972.22
Iowa	36,843	24,390,186	1,120.89	10,257	886,223	193.37
Kansas	8,213	2,758,602	526.98	1,003	144,259	447.81
Kentucky	4,526	8,589,535	2,701.29	1,843	501,183	1,020.70
Louisiana	5	0		431	64,867	358.38
Maine	57	285,552	6,460.46		0	
Maryland	251	815,530	6,545.71	1,081	1,482,967	2,555.52
Massachusetts	0	0			0	
Michigan	579	1,013,281	4,619.05	1,731	908,107	744.79
Minnesota	3,488	1,385,542	956.63	209	1,180	39.07
Mississippi	58	298	93.71	527	68,491	1,254.41
Missouri	1,982	1,269,141	1,395.49	1,803	62,277	284.90
Montana	83	1,827	56.74	11	0	
Nebraska	1,260	307,162	420.67	187	49,067	585.38
Nevada	*	*	*	*	*	*
New Hampshire	0	0			0	
New Jersey	156	1,831,560	12,655.89		0	
New Mexico	0	0			0	
New York	41	89,306	3,541.07	3	3,462	1,018.24
North Carolina	268	587,830	2,642.41	278	172,063	830.82
North Dakota	88	17,745	419.52	1	0	
Ohio	11,258	32,584,002	5,836.67	523	240,698	1,533.79
Oklahoma	166	5,149	276.83	79	16,109	449.97
Oregon	27	194	58.08		0	
Pennsylvania	310	629,065	3,211.81	33	17,602	1,248.37
Puerto Rico	0	0			0	
South Carolina	17	4,978	1,382.70	34	41,000	2,113.40
South Dakota	1,354	432,854	507.77	41	0	
Tennessee	171	194,047	2,408.43	73	8,000	800.00
Texas	1,504	971,088	1,014.93	92	34,866	1,040.78
Utah	14	347	43.38		0	
Vermont	16	12,615	1,025.61		0	
Virginia	88	279,915	3,974.37	57	131,780	2,619.88
Washington	371	3,852	52.39	51	3,151	201.47
West Virginia	0	0			0	
Wisconsin	1,475	1,771,635	2,607.88	1,813	717,386	897.98
Wyoming	0	0			0	
United States	126,100	156,814,530	2,297.73	28,722	7,438,646	634.11

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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	21,244	669,616	72.90	38,526	2,365,362	130.11	955	0	.....
Alaska	14,919	0	.....	.....	0	.....	.....	0	.....
Arkansas	4,575	63,457	164.48	12,014	88,390	242.55	290	0	.....
California	45,891	0	.....	298	0	.....	5	0	.....
Colorado	481,488	4,459,151	28.53	22	0	.....	207	0	.....
Delaware	25	0	.....	.....	0	.....	8	0	.....
Florida	207	0	.....	10,930	12,500	690.61	23	0	.....
Georgia	1,036	24,000	568.72	22,797	545,692	133.23	376	0	.....
Hawaii .....	.....	0	.....	.....	0	.....	.....	0	.....
Idaho	117,130	16,602	9.17	934	0	.....	134	0	.....
Illinois	71,085	54,547	60.71	9,900	10,135	59.13	4,836	0	.....
Indiana	17,600	6,298	17.77	5,321	7,002	42.41	527	30	50.00
Iowa	176,939	2,386,437	103.15	5,651	442,535	705.80	4,162	0	.....
Kansas	201,193	180,413	8.98	201	12,000	2,926.83	3,292	12	12.00
Kentucky	8,413	21,084	25.79	634	1,012	34.66	564	0	.....
Louisiana	1,278	134	10.00	11,862	1,475	5.72	609	0	.....
Maine	2,613	0	.....	274	0	.....	0	0	.....
Maryland	1,703	13,167	126.48	289	634	36.86	34	0	.....
Massachusetts .....	.....	0	.....	.....	0	.....	.....	0	.....
Michigan	13,318	18,791	54.55	2,384	14,909	42.49	994	0	.....
Minnesota	59,605	32,033	51.60	8,583	143,331	315.19	3,553	638	57.95
Mississippi	31,094	879	32.30	155,052	1,064,725	200.12	2,251	0	.....
Missouri	127,673	109,778	63.79	6,084	14,051	247.38	3,159	0	.....
Montana	423,741	236,972	4.73	389	0	.....	1,109	0	.....
Nebraska	92,025	907,073	42.04	613	37,546	578.25	582	50	50.00
Nevada .....	.....	0	.....	.....	0	.....	.....	0	.....
New Hampshire .....	.....	0	.....	.....	0	.....	.....	0	.....
New Jersey	14	4,382	9.68	.....	0	.....	2	0	.....
New Mexico	90,181	400,077	105.10	734	44,910	218.75	72	0	.....
New York	13,687	0	.....	9,913	1,473,074	371.62	14	0	.....
North Carolina	1,022	0	.....	301	101	43.02	2,310	0	.....
North Dakota	310,790	2,035,364	22.97	2,407	2,099	34.83	378	0	.....
Ohio	23,302	16,382	27.84	151	0	.....	911	0	.....
Oklahoma	227,952	583,121	11.29	490	151,416	1,202.67	104	300	600.00
Oregon	122,525	863,620	29.67	303	2,079	44.05	1,073	17	51.52
Pennsylvania	12,407	358,626	116.43	117	0	.....	.....	0	.....
Puerto Rico	188	0	.....	20,536	127,221	36.39	190	0	.....
South Carolina	1,661	1,185	28.07	93	0	.....	3,213	0	.....
South Dakota	84,681	28,974	13.58	7,259	0	.....	347	0	.....
Tennessee	17,834	5,710	50.26	3,028	0	.....	2,717	1,880	100.00
Texas	738,858	12,779,492	122.35	.....	0	.....	14	0	.....
Utah	81,393	5,454	3.00	.....	0	.....	.....	0	.....
Vermont	45	0	.....	5,181	100,579	139.37	27	0	.....
Virginia	2,937	58,188	388.96	740	4,168	54.14	462	80	80.00
Washington	110,256	139,691	23.25	.....	0	.....	0	0	.....
West Virginia	164	0	.....	.....	0	.....	0	0	.....
Wisconsin	41,933	435,908	89.05	11,173	93,954	219.88	1,163	0	.....
Wyoming	73,912	0	.....	12	0	.....	18	0	.....
United States ...	3,870,553	26,916,604	46.05	355,198	6,760,901	172.01	40,688	3,007	87.83

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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	.....	3,892	3,328,335	989.42	32	9,600	979.59
Delaware	4	1,290	300.00	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	169	1,007	10.58	53	96,945	1,994.75	62	41,357	668.13
Illinois	912	21,439	61.07	144	30,757	311.02	53	10,637	246.80
Indiana	21	257	85.67	18	3,418	273.44	0	0	.....
Iowa	12,340	404,411	118.67	2,150	1,657,026	1,008.45	670	151,208	267.75
Kansas	3,297	76,232	50.98	726	268,284	522.54	67	32,182	569.59
Kentucky	30	0	.....	0	0	.....	0	0	.....
Louisiana	0	0	.....	0	0	.....	0	0	.....
Maine	0	0	.....	0	0	.....	0	0	.....
Maryland	1	0	.....	0	0	.....	0	0	.....
Massachusetts	0	0	.....	0	0	.....	0	0	.....
Michigan	5	1,069	509.05	39	10,183	316.24	14	4,232	313.48
Minnesota	746	21,433	62.88	3,845	1,167,130	372.54	4,144	717,908	217.02
Mississippi	27	0	.....	0	0	.....	0	0	.....
Missouri	865	13,575	90.62	57	25,799	722.66	0	0	.....
Montana	0	0	.....	183	81,465	589.00	39	17,324	589.25
Nebraska	314	7,115	66.80	1,904	895,321	568.59	109	31,931	417.89
Nevada	*	*	*	*	*	*	*	*	*
New Hampshire	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	.....	4,710	3,046,152	738.78	595	324,486	661.00
Ohio	15	34	52.31	80	20,060	319.93	0	0	.....
Oklahoma	0	0	.....	21	2,951	143.95	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	32	111	30.25	13,869	9,810,959	877.96	630	350,076	752.58
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	4	286	130.00	0	0	.....	0	0	.....
Washington	43,423	334,507	63.35	8	22,397	7,465.67	0	0	.....
West Virginia	0	0	.....	0	0	.....	0	0	.....
Wisconsin	529	6,068	94.56	15	5,331	394.89	30	5,541	251.88
Wyoming	0	0	.....	49	71,719	1,451.80	1	697	995.71
United States	63,032	896,051	79.02	31,773	20,549,066	788.96	6,446	1,697,179	330.05

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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		348	17,592	145.21
Alaska	0	0			0	
Arkansas	0	0		5,380	338,732	101.92
California	0	0			0	
Colorado	7	0		109	10,813	283.95
Delaware	0	0		738	251,309	409.56
Florida	0	0			0	
Georgia	0	0		314	25	10.87
Hawaii	0	0			0	
Idaho	0	0		660	53,775	100.16
Illinois	4	261	104.40	109,393	6,058,409	96.81
Indiana	0	0		48,928	3,646,956	146.60
Iowa	0	0		194,440	12,848,658	116.88
Kansas	875	0		24,629	1,026,672	64.70
Kentucky	0	0		20,463	1,264,099	124.60
Louisiana	0	0		423	10,894	45.81
Maine	0	0		59	850	404.76
Maryland	0	0		28,542	3,197,465	159.39
Massachusetts	0	0		10	7,074	714.55
Michigan	0	0		39,130	4,743,825	149.91
Minnesota	4,380	171,368	56.55	120,938	6,431,100	85.12
Mississippi	0	0		5,457	260,750	111.89
Missouri	0	0		30,772	1,096,712	89.54
Montana	95,057	155,230	8.72	203	3,133	21.39
Nebraska	541	9,438	36.52	16,230	847,346	68.28
Nevada	*	*	*	*	*	*
New Hampshire	0	0			0	
New Jersey	0	0		359	74,916	234.52
New Mexico	0	0			0	
New York	0	0		423	155,624	443.56
North Carolina	0	0		1,373	424,536	419.58
North Dakota	103,119	1,401,665	38.03	8,074	277,516	50.33
Ohio	0	0		70,468	3,774,444	90.82
Oklahoma	1,862	12,746	47.67	602	14,397	65.24
Oregon	0	0		1,778	120,832	143.48
Pennsylvania	0	0		1,031	123,966	212.06
Puerto Rico	0	0			0	
South Carolina	0	0		1,385	30,156	95.91
South Dakota	15,546	570,591	45.40	9,170	356,514	52.49
Tennessee	0	0		6,851	602,190	147.06
Texas	436	20	0.13	1,048	84,725	186.58
Utah	0	0		38	1,413	94.83
Vermont	0	0		215	50,584	243.08
Virginia	0	0		3,792	326,765	106.86
Washington	24	0		34,167	1,519,707	89.41
West Virginia	0	0		562	152,062	696.25
Wisconsin	0	0		21,053	2,156,103	142.97
Wyoming	0	0			0	
United States	221,852	2,321,320	32.72	809,554	52,362,640	109.02

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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	31,293	3,648,778	158.13	5	0	.....
Alaska	50	0	.....	0	0	.....
Arkansas	60,445	4,702,994	118.45	51,454	14,931,143	546.46
California	1,078	433,643	474.34	572	0	.....
Colorado	643	578,393	1,025.14	725	18,335	81.40
Delaware	63	23,021	381.14	262	216,394	1,011.66
Florida	64	0	.....	0	0	.....
Georgia	1,027	541,175	779.85	403	0	.....
Hawaii	962	3,607,478	3,673.23	0	0	.....
Idaho	4,738	1,842,456	516.42	401	2,125	83.99
Illinois	103,698	16,531,958	214.23	38,967	6,520,939	206.80
Indiana	5,421	813,102	262.86	9,076	1,174,388	240.29
Iowa	50,301	13,550,551	375.09	127,352	19,659,674	194.35
Kansas	2,853	160,066	154.63	8,714	429,487	76.08
Kentucky	22,143	6,513,803	327.53	256	20,706	215.24
Louisiana	5,077	486,754	124.04	118,115	8,343,940	177.90
Maine	46	101,768	5,219.90	0	0	.....
Maryland	13,417	4,394,871	573.34	2,560	1,920,731	1,081.01
Massachusetts .....	.....	0	.....	0	0	.....
Michigan	2,841	812,007	458.61	22,929	5,482,863	265.36
Minnesota	37,513	5,685,139	211.27	282,036	23,422,474	110.11
Mississippi	169,072	7,573,672	76.46	13,963	826,048	178.07
Missouri	27,738	4,171,964	279.38	17,005	1,604,341	191.76
Montana	2,803	318,394	192.13	1,306	744	8.01
Nebraska	2,096	565,116	404.65	8,841	489,878	100.11
Nevada .....	.....	.....	.....	.....	.....	.....
New Hampshire	13	11,593	1,332.53	0	0	.....
New Jersey	271	259,446	961.20	0	0	.....
New Mexico	5,102	1,989,061	493.44	0	0	.....
New York	10,488	9,543,871	1,121.64	94	9,634	296.43
North Carolina	17,338	1,574,006	117.92	1,775	296,360	174.92
North Dakota	321	176,516	661.73	189,823	1,562,214	45.56
Ohio	6,978	1,447,700	376.43	11,696	5,879,838	826.22
Oklahoma	1,681	478,127	418.32	1,982	83,444	60.93
Oregon	36,144	19,564,015	753.79	233	15,256	127.35
Pennsylvania	24,064	28,168,378	1,372.12	944	1,045,479	1,259.01
Puerto Rico	257	12,180	60.00	0	0	.....
South Carolina	11,574	419,299	85.04	172	0	.....
South Dakota	5,395	2,705,717	704.87	169,901	3,574,958	34.91
Tennessee	6,015	1,201,221	279.75	628	28,818	101.79
Texas	29,319	5,144,221	240.02	8,425	113,576	62.84
Utah	72	27,972	514.19	0	0	.....
Vermont	2,603	3,287,199	1,393.51	0	0	.....
Virginia	22,930	27,068,670	1,461.16	147	41,039	394.61
Washington	23,307	19,031,550	1,195.90	62	9,867	211.28
West Virginia	5,611	5,256,305	1,030.39	0	0	.....
Wisconsin	12,679	3,995,350	415.13	5,486	770,214	292.01
Wyoming	4,150	1,097,739	308.43	0	0	.....
United States	771,740	209,517,257	393.87	1,096,305	98,494,905	157.87

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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	.....	0	.....	.....	0	.....
Alaska .....	.....	0	.....	.....	0	.....	.....	0	.....
Arkansas .....	.....	0	.....	.....	0	.....	.....	0	.....
California .....	.....	0	.....	.....	0	.....	.....	0	.....
Colorado	1,984	70,725	86.72	.....	0	.....	2	0	.....
Delaware .....	.....	0	.....	.....	0	.....	.....	0	.....
Florida .....	.....	0	.....	.....	0	.....	.....	0	.....
Georgia .....	.....	0	.....	.....	0	.....	.....	0	.....
Hawaii .....	.....	0	.....	.....	0	.....	.....	0	.....
Idaho	79	4,120	100.00	.....	0	.....	4	606	173.14
Illinois	2,254	345,555	169.20	.....	0	.....	575	127,903	255.59
Indiana	2,045	382,981	187.82	.....	0	.....	345	466,550	1,854.33
Iowa	155,350	36,896,026	265.50	.....	0	.....	25,473	5,059,506	240.14
Kansas	694,857	43,064,521	70.43	.....	0	.....	750	16,056	127.66
Kentucky	38,544	8,156,447	222.75	.....	0	.....	.....	0	.....
Louisiana .....	.....	0	.....	.....	0	.....	.....	0	.....
Maine .....	.....	0	.....	.....	0	.....	.....	0	.....
Maryland	468	128,076	273.43	.....	0	.....	1	1,062	885.00
Massachusetts .....	.....	0	.....	.....	0	.....	.....	0	.....
Michigan	160	21,258	153.00	51	149,562	3,844.79	32	3,535	282.80
Minnesota	144,423	14,387,774	111.27	.....	0	.....	16,979	1,762,748	136.73
Mississippi .....	.....	0	.....	.....	0	.....	40	5,109	129.34
Missouri	47,086	6,172,400	156.02	.....	0	.....	6	2,258	525.12
Montana	83,525	4,818,673	70.90	.....	0	.....	203	344	23.24
Nebraska	161,705	15,947,969	109.02	.....	0	.....	1,593	65,722	133.66
Nevada .....	.....	*	.....	.....	*	.....	.....	*	.....
New Hampshire .....	.....	0	.....	.....	0	.....	.....	0	.....
New Jersey .....	.....	0	.....	.....	0	.....	.....	0	.....
New Mexico .....	.....	0	.....	.....	0	.....	.....	0	.....
New York .....	.....	0	.....	.....	0	.....	.....	0	.....
North Carolina .....	.....	0	.....	.....	0	.....	.....	0	.....
North Dakota	11,210	897,770	84.50	.....	0	.....	25,759	1,091,111	63.67
Ohio	5,808	1,989,568	446.00	.....	0	.....	87	395,261	5,028.77
Oklahoma	23,035	1,934,521	90.43	.....	0	.....	9	7,316	2,090.29
Oregon	34,216	1,079,684	98.03	.....	0	.....	.....	0	.....
Pennsylvania .....	.....	0	.....	.....	0	.....	.....	0	.....
Puerto Rico .....	.....	0	.....	.....	0	.....	.....	0	.....
South Carolina .....	.....	0	.....	.....	0	.....	.....	0	.....
South Dakota	16,923	1,284,212	100.49	.....	0	.....	28,702	806,318	59.74
Tennessee .....	.....	0	.....	.....	0	.....	.....	0	.....
Texas .....	.....	0	.....	.....	0	.....	.....	0	.....
Utah .....	.....	0	.....	.....	0	.....	.....	0	.....
Vermont .....	.....	0	.....	.....	0	.....	.....	0	.....
Virginia .....	.....	0	.....	.....	0	.....	.....	0	.....
Washington	1,166	88,535	156.98	.....	0	.....	2	0	.....
West Virginia .....	.....	0	.....	.....	0	.....	.....	0	.....
Wisconsin	13,373	3,880,236	332.00	.....	0	.....	32	1,072	126.12
Wyoming .....	.....	0	.....	.....	0	.....	.....	0	.....
United States ...	1,438,614	141,568,673	113.41	51	149,562	3,844.79	100,592	9,812,477	148.38

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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		229	2,016	97.86		0	
Alaska		0			0		422	128,957	305.51
Arkansas	0	0		510	228,343	480.72	3,389	6,502	6,502.00
California		0		106	15,000	141.78		0	
Colorado	4	0		64	630	420.00	32	5,857	450.54
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	306	69,476	414.07	178	14,845	99.76
Illinois	868	115,052	152.83	266	40,622	225.18	33	4,226	129.67
Indiana	626	70,255	133.17	66	75,703	1,251.29	51	9,398	185.00
Iowa	61,071	5,423,480	106.00	9,648	2,691,538	374.56	2,184	264,230	191.06
Kansas	1,427	49,908	49.06	4	224	56.00		0	
Kentucky		0		71,290	10,996,609	162.34	5	1,508	295.69
Louisiana	0	0			0		176	0	
Maine		0		5	18,088	36,176.00	12	37,630	3,084.43
Maryland	4	0		1,041	229,553	504.37	149	7,992	583.36
Massachusetts		0			0			0	
Michigan	64	4,382	141.35	4	0		307	264,474	1,023.43
Minnesota	37,197	2,865,732	96.66	835	24,948	75.74	7,732	372,355	117.03
Mississippi	157	20,462	130.17	29	4,325	681.10	24	2,466	104.49
Missouri	12	2,416	525.22	1,314	427,020	453.23	2,024	1,118,948	766.04
Montana	184	1,819	33.14	98	5,876	62.38		0	
Nebraska	2,506	143,878	68.75	1,344	300,978	272.13	288	33,400	203.45
Nevada									
New Hampshire		0			0			0	
New Jersey		0			0			0	
New Mexico		0			0			0	
New York		0		2,502	1,783,917	840.24	1,152	826,994	805.20
North Carolina	0	0		40	59,455	4,573.46		0	
North Dakota	60,879	2,914,739	74.60	35	0			0	
Ohio	198	17,383	99.27	2,954	333,250	156.10	137	194,759	2,552.88
Oklahoma	21	465	62.84	6	4,324	697.42	9	850	100.00
Oregon		0		13,298	2,898,603	366.09	442	476,101	1,076.93
Pennsylvania		0		1,223	439,460	530.27	431	103,601	404.06
Puerto Rico		0		449	12,180	60.00		0	
South Carolina		0		40	116,331	2,945.09	73	147,539	2,012.81
South Dakota	60,609	3,104,212	64.79	5,003	306,644	103.41	24,313	497,454	49.21
Tennessee		0		75	16,939	1,032.85		0	
Texas		0		2,302	359,744	176.73	2	2,973	1,351.36
Utah		0		9	2,100	247.06		0	
Vermont		0			0		1	1,612	2,302.86
Virginia		0		730	1,073,503	1,630.55	20	0	
Washington	8	0		863	195,442	719.62	340	427,075	1,294.60
West Virginia		0			0			0	
Wisconsin	50	2,077	112.27	1,160	207,668	231.32	30	17,184	570.90
Wyoming		0		1,716	413,194	390.30		0	
United States	225,888	14,736,321	85.36	119,590	23,363,166	233.51	43,955	4,968,930	254.48

* Data withheld to avoid disclosure of individual operators.
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 12-11.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, August 2016
(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	1,235	95,711	119.53	.....	0	.....	854	78,392	109.58
Alaska .....	.....	0	.....	.....	0	.....	.....	0	.....
Arkansas	16,987	1,079,312	123.41	614	6,000	594.06	5,065	420,002	136.03
California .....	.....	0	.....	.....	0	.....	.....	0	.....
Colorado .....	.....	0	.....	.....	0	.....	1,179	70,531	95.76
Delaware .....	.....	0	.....	.....	0	.....	.....	0	.....
Florida .....	.....	0	.....	.....	0	.....	.....	0	.....
Georgia	25	2,000	103.63	.....	0	.....	1,748	56,786	72.84
Hawaii .....	.....	0	.....	.....	0	.....	.....	0	.....
Idaho .....	.....	0	.....	.....	0	.....	.....	0	.....
Illinois	5,398	1,050,298	218.75	382	.....	.....	62,583	6,828,715	123.80
Indiana	6,458	1,322,447	254.16	448	5,562	51.64	12,102	1,431,992	152.92
Iowa	3,707	995,711	333.23	1,398	44,195	280.07	27,267	4,239,367	184.93
Kansas	215	36,865	231.07	.....	0	.....	35,045	1,158,690	45.39
Kentucky	466	142,780	313.33	152	9	.....	6,651	855,379	147.41
Louisiana	51,921	3,225,297	104.35	731	0	.....	339	16,501	90.37
Maine .....	.....	0	.....	.....	0	.....	.....	0	.....
Maryland .....	.....	0	.....	.....	0	.....	677	89,919	157.75
Massachusetts .....	.....	0	.....	.....	0	.....	.....	0	.....
Michigan	11	7,300	675.93	6	.....	.....	899	119,147	178.74
Minnesota	596	16,340	246.83	1,115	9,675	247.44	516	44,534	94.62
Mississippi	50,841	1,190,261	94.22	744	0	.....	1,726	70,457	122.36
Missouri	1,781	116,668	157.63	475	0	.....	33,549	2,477,471	101.36
Montana .....	.....	0	.....	.....	0	.....	26	0	.....
Nebraska	9	4,778	542.95	.....	0	.....	7,407	434,645	85.27
Nevada .....	.....	0	.....	.....	0	.....	.....	0	.....
New Hampshire .....	.....	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	.....	6,771	403,596	92.15
North Dakota .....	.....	0	.....	.....	0	.....	.....	0	.....
Ohio	109	24,427	336.00	28	473	105.11	14,578	1,298,063	111.14
Oklahoma	443	63,174	152.04	52	0	.....	860	24,253	58.51
Oregon .....	.....	0	.....	.....	0	.....	.....	0	.....
Pennsylvania .....	.....	0	.....	.....	0	.....	73	5,548	145.24
Puerto Rico .....	.....	0	.....	.....	0	.....	.....	0	.....
South Carolina	5	174	33.53	.....	0	.....	2,759	87,871	58.63
South Dakota .....	.....	0	.....	.....	0	.....	1,494	87,827	65.88
Tennessee	3,097	256,881	117.05	1	0	.....	3,849	289,980	87.85
Texas	381	53,558	140.54	.....	0	.....	22,811	757,791	115.01
Utah .....	.....	0	.....	.....	0	.....	.....	0	.....
Vermont .....	.....	0	.....	.....	0	.....	.....	0	.....
Virginia .....	.....	0	.....	.....	0	.....	1,364	107,918	117.03
Washington .....	.....	0	.....	.....	0	.....	1,043	40,796	110.13
West Virginia .....	.....	0	.....	.....	0	.....	.....	0	.....
Wisconsin .....	.....	0	.....	862	27	14.21	290	51,181	189.42
Wyoming .....	.....	0	.....	.....	0	.....	.....	0	.....
United States	143,740	9,687,961	137.17	7,008	65,932	205.33	253,525	21,547,374	115.29

* Data withheld to avoid disclosure of individual operators.
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 12-12.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, August 2016
(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	0	0	13,628	2,507,342	207.14	0	0	0
Alaska	0	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	0	0	0	0	0
California	0	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0
Florida	0	0	0	2,116	528,506	257.52	0	0	0
Georgia	0	0	0	122,4628	21,919,855	290.90	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0
Illinois	0	0	0	0	0	0	0	0	0
Indiana	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	2,602	225,773	125.44
Kansas	0	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	59	7,030	119.97	0	0	0
Maine	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	0	0	0	0	0	0
Michigan	0	0	0	0	0	0	0	0	0
Minnesota	69	5,623	112.91	0	0	0	16,530	1,361,710	93.40
Mississippi	0	0	0	418	32,207	97.27	0	0	0
Missouri	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	1,978	23,211	18.39
Nebraska	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0
New York	0	0	0	0	0	0	0	0	0
North Carolina	0	0	0	7,201	1,117,018	221.28	0	0	0
North Dakota	0	0	0	0	0	0	165,254	5,277,678	48.83
Ohio	0	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0
Pennsylvania	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	12,712	1,386,478	141.78	0	0	0
South Dakota	0	0	0	0	0	0	180,879	5,823,111	40.55
Tennessee	0	0	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	503	58,525	124.97	0	0	0
Washington	0	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	0	0
United States	69	5,623	112.91	159,100	27,556,962	261.96	367,243	12,711,483	47.20

* Data withheld to avoid disclosure of individual operators.
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, August 2016
(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	0	.....
Arkansas	16,662	862,778	157.20	0	0	.....
California	0	0	.....	0	0	.....
Colorado	36,496	2,192,237	76.84	0	0	.....
Delaware	0	0	.....	0	0	.....
Florida	0	0	.....	0	0	.....
Georgia	11,915	736,263	105.34	0	0	.....
Hawaii	0	0	.....	0	0	.....
Idaho	112,730	8,074,083	76.27	0	0	.....
Illinois	22,887	3,725,654	222.60	25	0	.....
Indiana	41,791	4,780,426	135.05	0	0	.....
Iowa	181,580	27,162,332	163.56	260	61,220	277.42
Kansas	113,362	3,495,118	46.53	4	830	350.21
Kentucky	12,630	1,126,517	190.77	0	0	.....
Louisiana	477	47,126	117.43	0	0	.....
Maine	2,135	384,722	419.21	0	0	.....
Maryland	0	0	.....	0	0	.....
Massachusetts	0	0	.....	0	0	.....
Michigan	7,842	1,909,809	347.06	0	0	.....
Minnesota	71,239	6,057,089	102.51	71	18,278	258.53
Mississippi	8,904	1,684,398	378.58	0	0	.....
Missouri	36,991	4,358,310	218.46	0	0	.....
Montana	49,984	3,569,276	131.58	0	0	.....
Nebraska	90,090	6,079,008	81.41	0	0	.....
Nevada	*	*	*	*	*	*
New Hampshire	0	0	.....	0	0	.....
New Jersey	706	138,843	235.31	0	0	.....
New Mexico	2,600	0	.....	0	0	.....
New York	1,275	129,204	220.45	0	0	.....
North Carolina	834	95,774	211.29	0	0	.....
North Dakota	133,811	3,221,071	45.15	0	0	.....
Ohio	23,680	2,135,235	149.24	58	54,829	2,383.89
Oklahoma	8,386	2,743,021	504.25	0	0	.....
Oregon	1,046	49,637	55.35	0	0	.....
Pennsylvania	0	0	.....	0	0	.....
Puerto Rico	0	0	.....	0	0	.....
South Carolina	1,105	190,040	214.37	0	0	.....
South Dakota	132,259	3,745,436	43.74	14	0	.....
Tennessee	8,018	988,448	140.28	0	0	.....
Texas	109,644	9,742,157	99.59	0	0	.....
Utah	0	0	.....	0	0	.....
Vermont	0	0	.....	0	0	.....
Virginia	331	37,305	121.05	0	0	.....
Washington	85,137	11,690,748	154.84	0	0	.....
West Virginia	0	0	.....	0	0	.....
Wisconsin	12,506	1,933,655	184.09	0	0	.....
Wyoming	9,688	852,240	87.97	0	0	.....
United States	1,350,855	114,064,924	111.80	435	135,157	426.70

* Data withheld to avoid disclosure of individual operators.
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-16 AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Table 12-14.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, August 2016
(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	37	504	36.52	0	0	0
Alaska	0	0	0	0	0	0
Arkansas	2,203	573,523	314.28	0	0	0
California	0	0	0	0	0	0
Colorado	446	29,853	67.01	0	0	0
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	0	0	0	0	0	0
Illinois	0	0	0	0	0	0
Indiana	0	0	0	0	0	0
Iowa	0	0	0	125	23,160	185.12
Kansas	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0
Louisiana	3,358	612,773	182.46	0	0	0
Maine	0	0	0	0	0	0
Maryland	0	0	0	0	0	0
Massachusetts	0	0	0	0	0	0
Michigan	0	0	0	0	0	0
Minnesota	0	0	0	843	51,458	72.86
Mississippi	10,804	1,527,615	170.34	0	0	0
Missouri	206	0	0	0	0	0
Montana	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0
Nevada	*	*	*	*	*	*
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	0	0	0	0	0
North Carolina	58	692	197.71	0	0	0
North Dakota	17	674	40.60	41,957	1,319,764	42.16
Ohio	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0
Oregon	0	0	0	0	0	0
Pennsylvania	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0
South Dakota	0	0	0	12,863	557,900	46.67
Tennessee	0	0	0	0	0	0
Texas	0	0	0	0	0	0
Utah	0	0	0	0	0	0
Vermont	0	0	0	0	0	0
Virginia	0	0	0	0	0	0
Washington	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0
United States	17,129	2,745,634	187.66	55,791	1,952,282	44.28

* Data withheld to avoid disclosure of individual operations. 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 12-15.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, August 2016
(CP42 and CP88)

State	CP42 Pollinator Habitat ¹			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
Alabama	21	3,800	200.00			
Alaska	0	0				
Arkansas	32	6,553	412.15			
California	1,821	0				
Colorado	13,495	1,083,961	104.05			
Delaware	4	2,800	700.00			
Florida	0	0				
Georgia	0	0				
Hawaii	0	0				
Idaho	7,698	738,351	101.25			
Illinois	49,350	21,161,100	435.74			
Indiana	3,174	425,265	142.30			
Iowa	97,869	50,650,170	520.34	114	0	0
Kansas	2,812	111,413	81.31			
Kentucky	1,559	402,128	265.45			
Louisiana	17	1,413	83.60			
Maine	0	0				
Maryland	21	600	300.00			
Massachusetts	0	0				
Michigan	785	126,464	165.52			
Minnesota	3,585	884,651	259.95			
Mississippi	0	0				
Missouri	11,289	1,380,314	155.39			
Montana	4,865	185,893	50.02	317	0	0
Nebraska	9,972	753,140	89.28			
Nevada	*	*	*			
New Hampshire	0	0				
New Jersey	14	5,584	407.00			
New Mexico	738	84,804	120.00			
New York	23	9,825	514.37			
North Carolina	5	4,365	900.00			
North Dakota	3,105	525,642	178.53			
Ohio	1,653	96,902	115.19			
Oklahoma	142	7,091	105.34			
Oregon	352	13,728	85.85			
Pennsylvania	0	0				
Puerto Rico	0	0				
South Carolina	0	0				
South Dakota	1,955	304,745	168.03			
Tennessee	1,873	259,174	167.29			
Texas	12,196	1,051,602	138.93			
Utah	766	64,790	84.58			
Vermont	0	0				
Virginia	76	3,576	236.82			
Washington	3,082	334,085	124.26			
West Virginia	0	0				
Wisconsin	843	253,190	379.04			
Wyoming	15	2,310	150.00			
United States	235,222	80,942,223	377.16	431	0	0

* Data withheld to avoid disclosure of individual operations. ¹ Does not include about 40,000 acres from Signup 39 before CP42 was implemented. ² 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 2007–2016¹

Year	Emergency Conservation Program	
	<i>1,000 dollars</i>	
2007		30,754
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		26,076

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, August 2016

State ¹	Number of contracts	Number of farms	Acres	Annual rent (\$1,000)	Avg Payments ² (\$/acre)
Alabama	6,081	4,449	254,863	11,524	45.22
Alaska	36	28	17,424	612	35.14
Arkansas	5,688	3,228	232,607	16,770	72.10
California	273	205	79,895	3,521	44.07
Colorado	10,478	5,510	1,832,487	64,167	35.02
Connecticut	6	5	52	4	69.51
Delaware	468	252	4,742	573	120.87
Florida	761	629	31,876	1,492	46.80
Georgia	7,208	4,892	238,646	14,315	59.98
Hawaii	19	15	996	49	49.65
Idaho	4,116	2,356	573,140	30,023	52.38
Illinois	78,642	43,603	894,781	149,958	167.59
Indiana	35,385	19,873	235,791	36,769	155.94
Iowa	107,107	53,627	1,688,635	318,282	188.48
Kansas	39,311	22,798	2,138,697	90,723	42.42
Kentucky	13,838	7,442	251,089	36,409	145.00
Louisiana	4,701	3,044	289,700	24,634	85.03
Maine	330	233	7,986	372	46.58
Maryland	5,636	3,170	63,399	10,995	173.43
Massachusetts	3	3	10	2	207.20
Michigan	12,115	6,793	157,807	18,189	115.26
Minnesota	56,847	30,145	1,153,009	114,951	99.70
Mississippi	17,242	11,006	725,919	45,915	63.25
Missouri	30,797	18,071	992,664	104,854	105.63
Montana	8,193	3,663	1,412,246	41,652	29.49
Nebraska	22,630	13,219	790,740	62,458	78.99
Nevada	*	*	*	62,458	*
New Hampshire	3	3	13	1	69.04
New Jersey	330	212	2,055	178	86.39
New Mexico	2,021	1,293	437,377	16,288	37.24
New York	2,306	1,693	38,560	3,086	80.02
North Carolina	5,605	3,744	75,781	5,516	72.78
North Dakota	24,521	12,698	1,541,065	72,372	46.96
Ohio	36,407	20,255	263,155	40,241	152.92
Oklahoma	6,241	4,251	718,755	24,673	34.33
Oregon	4,206	2,276	523,175	31,474	60.16
Pennsylvania	9,527	6,336	155,373	18,234	117.36
Puerto Rico	16	16	1,107	73	66.35
Rhode Island	*	*	*	*	*
South Carolina	3,827	2,220	79,876	3,199	40.05
South Dakota	30,497	14,075	972,377	82,816	85.17
Tennessee	5,744	3,842	138,824	12,402	89.34
Texas	19,985	14,384	2,992,525	110,084	36.79
Utah	842	527	166,480	5,664	34.02
Vermont	417	303	2,886	303	105.05
Virginia	5,184	3,967	51,542	3,279	63.62
Washington	11,189	5,165	1,218,301	71,165	58.41
West Virginia	524	428	6,568	517	78.75
Wisconsin	16,354	10,294	238,404	27,884	116.96
Wyoming	790	527	188,839	5,017	26.57
United States	654,449	366,770	23,882,410	1,733,682	72.59

* Data withheld to avoid disclosure of individual operations. ¹ State in which land is located. ² Payments made October 2016.
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, 2012¹

Region	Total forest land ²	Timberland ³							
		All own-erships	Federal			State, county, and mu-nicipal	Private		
			Total	National forest	Other		Total	Forest industry	Farmer and other private 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	84,846	79,822	3,122	2,443	679	10,454	66,246	21,290	44,956
North Central	90,730	87,556	9,049	7,902	1148	16,706	61,802	7,602	54,199
North	175,575	167,378	12,172	10,345	1,827	27,159	128,047	28,892	99,155
Southeast	89,844	86,755	7,763	5,230	2,533	5,561	73,430	26,499	46,931
South Central	154,872	123,292	10,304	7,466	2,838	3,788	109,200	34,712	74,488
South	244,716	210,048	18,067	12,696	5,371	9,351	182,631	61,212	121,419
Great Plains	6,724	6,179	1,272	1,071	201	232	4,675	136	4,539
Intermountain	124,614	64,844	46,790	43,870	2,920	2,906	15,148	3,772	11,376
Rocky Mountains	131,338	71,023	48,062	44,941	3,121	3,138	19,823	3,908	15,915
Alaska	128,577	12,817	4,699	3,677	1,022	4,822	3,297	2,776	521
Pacific Northwest	52,222	42,197	19,860	17,512	2,348	3,700	18,638	10,428	8,210
Pacific Southwest ⁵ ..	33,805	17,690	9,451	9,137	313	500	7,740	4,064	3,677
Pacific Coast	214,604	72,705	34,010	30,326	3,684	9,020	29,675	17,268	12,407
All regions	766,234	521,154	112,310	98,308	14,002	48,668	360,175	111,279	248,896

¹ Forest Resources of the United States, 2012. 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	152,096	36,463	115,634	169,834	40,537	129,296
North Central	115,707	22,298	93,409	138,625	25,419	113,207
North	267,803	58,761	209,043	308,459	65,956	242,503
Southeast	134,872	62,061	72,812	157,981	65,724	92,257
South Central	171,751	66,895	104,855	200,586	70,556	130,031
South	306,623	128,956	177,667	385,567	136,280	222,288
Great Plains	4,760	2,021	2,739	8,285	2,548	5,737
Intermountain	131,145	122,068	9,077	150,347	139,341	11,006
Rocky Mountains	135,905	124,089	11,816	158,632	141,889	16,743
Alaska	35,762	32,453	3,309	37,458	33,967	3,491
Pacific Northwest	158,206	145,473	12,732	166,312	153,099	13,213
Pacific Southwest ⁴	68,096	57,887	10,209	72,125	61,377	10,748
Pacific Coast	262,063	235,813	26,250	275,895	248,444	27,451
All regions	972,395	547,619	424,776	1,101,554	592,568	508,985

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, 2011 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	4,988	3,647	1,241	4,752	3,494	1,257	236	152	84
Pulpwood	5,033	3,353	1,680	4,483	3,064	1,419	550	289	261
Veneer logs	700	624	76	680	608	73	19	16	3
Other products ⁴	283	223	60	209	159	50	74	64	10
Fuelwood ⁵	1,804	515	1,289	633	135	498	1,170	379	791
Total	12,808	8,362	4,346	10,757	7,460	3,297	2,049	900	1,149
Logging residues ⁶	3,730	1,941	1,790	1,031	465	566	2,700	1,475	1,224
Other removals ⁷	1,633	526	1,106	1,065	393	672	568	133	435
Total	5,363	2,467	2,896	2,096	858	1,238	3,268	1,608	1,659

¹ Forest Resources of the United States, 2012. 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 such items as cooperage, pilings, poles, posts, shakes, shingles, board mills, charcoal and export logs. 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 non-growing 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 growth, removals and mortality: Net annual growth, removals, and mortality of growing stock on timberland by softwoods and hardwoods and regions, 2011 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	3,548	896	2,652	1,119	376	743	1,235	347	888
North Central	2,968	616	2,352	1,240	264	977	1,246	217	1,029
North	6,516	1,512	5,004	2,360	640	1,720	2,481	564	1,917
Southeast	6,135	3,908	2,227	3,844	2,658	1,186	1,145	627	518
South Central	7,674	4,899	2,775	4,204	2,676	1,528	1,710	621	1,089
South	13,809	8,808	5,002	8,048	5,335	2,714	2,855	1,248	1,607
Great Plains	103	21	82	36	28	8	58	29	29
Intermountain	818	717	101	391	382	9	2,018	1,919	99
Rocky Mountains	921	739	183	427	410	17	2,076	1,947	128
Alaska	253	133	121	66	59	7	303	275	27
Pacific Northwest	3,331	2,040	291	1,599	1,521	78	933	822	111
Pacific Southwest ⁵	1,582	1,433	149	355	355	0	367	305	62
Pacific Coast	5,167	4,605	561	1,020	1,935	85	1,603	1,402	201
All regions	26,413	15,663	10,750	12,854	8,319	4,535	9,015	5,162	3,853

¹ Forest Resources of the United States, 2012. 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.—Timber volume: Net volume of sawtimber on timberland in the West, by regions and species, 2012¹

Species	Total West	Inter-mountain	Alaska	Pacific Northwest	Pacific South-west ²	Great Plains
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
Softwoods:						
Douglas-fir	127,075	30,129	0	77,829	19,117	0
Ponderosa and Jeffrey pines	41,424	16,938	0	12,221	10,390	1,875
True fir	53,662	22,885	19	16,531	14,227	0
Western hemlock	35,190	1,397	12,785	20,885	123	0
Sugar pine	3,678	0	0	704	2,974	0
Western white pine	1,085	400	0	380	305	0
Redwood	5,366	0	0	19	5,347	0
Sitka spruce	11,995	0	10,372	1,422	201	0
Engelmann and other spruces	25,174	19,283	4,282	1,601	8	0
Western larch	6,126	4,013	3	2,110	0	0
Incense cedar	4,206	0	0	810	3,396	0
Lodgepole pine	24,083	19,569	86	3,390	1,038	0
Other	20,839	7,453	4,906	7,573	762	145
Total	359,902	122,068	32,453	145,473	57,887	2,021
Hardwoods:						
Cottonwood and aspen	11,761	8,844	1,079	776	106	956
Red alder	6,866	20	130	6,348	368	0
Oak	5,439	0	0	605	4,351	483
Other	13,998	213	2,100	5,002	5,383	1,300
Total	38,066	9,077	3,309	12,732	10,209	2,739
All species	397,969	131,145	35,762	158,206	68,096	4,760

¹ Forest Resources of the United States, 2012. 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.—Timber volume: Net volume of sawtimber on timberland in the East, by regions and species, 2012¹

Species	Total East	North			South		
		Total	Northeast	North Central	Total	Southeast	South Central
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
Softwoods:							
Longleaf and slash pines	17,129	0	0	0	17,129	12,729	4,400
Loblolly and shortleaf pines	93,937	1,837	813	1,024	92,100	37,343	54,757
Other yellow pines	8,744	2,199	1,827	372	6,545	4,785	1,760
White and red pines	24,196	21,349	12,567	8,782	2,847	2,284	563
Jack pine	988	988	8	980	0	0	0
Spruce and balsam fir	13,221	13,148	8,904	4,244	73	73	0
Eastern hemlock	11,200	19,244	8,919	1,325	956	460	496
Cypress	7,286	23	14	9	7,263	3,917	3,346
Other	11,016	8,972	3,410	5,562	2,044	470	1,574
Total	187,717	58,761	36,463	22,298	128,956	62,061	66,895
Hardwoods:							
Select white oaks	35,696	16,125	5,962	10,163	19,571	7,417	12,154
Select red oaks	27,986	18,502	11,592	6,911	9,484	3,362	6,122
Other white oaks	23,356	7,683	5,461	2,222	15,673	5,704	9,969
Other red oaks	46,157	14,286	6,051	8,235	31,871	11,792	20,079
Hickory	23,036	9,391	4,029	5,362	13,645	3,765	9,880
Yellow birch	4,748	4,659	3,910	749	89	81	8
Hard maple	26,749	24,127	14,029	10,098	2,622	504	2,118
Soft maple	41,869	33,267	22,220	11,047	8,602	5,148	3,454
Beech	9,069	6,445	5,376	1,069	2,624	888	1,736
Sweetgum	20,181	944	658	286	19,237	7,914	11,323
Tupelo and black gum	12,227	1,140	833	307	11,087	6,243	4,844
Ash	19,352	13,577	6,886	6,691	5,775	1,782	3,993
Basswood	6,178	5,407	1,975	3,432	771	333	438
Yellow-poplar	31,941	10,141	7,246	2,895	21,800	13,364	8,436
Cottonwood and aspen	15,607	14,933	3,881	11,052	674	113	561
Black walnut	3,064	2,304	459	1,845	760	213	547
Black cherry	10,198	8,997	6,635	2,362	1,201	429	772
Other	29,295	17,118	8,433	8,685	12,177	3,658	8,419
Total	386,710	209,043	115,634	93,409	177,667	72,812	104,855
All species	574,426	267,803	152,096	115,707	306,623	134,872	171,751

¹ Forest Resources of the United States, 2012. 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, 2007-2016

Year	Jan. 1	July 1
	<i>Millions</i>	<i>Millions</i>
2007	299.0	300.4
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	316.2	317.3
2015	318.6	319.7
2016	320.9	321.9

Monthly Population Estimates for the United States: April 1, 2010 to December 1, 2017. Source: U.S. Census Bureau, Population Division. Release Dates: Monthly, April 2010 to December 2016.
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

¹ Quantity in pounds, retail weight unless otherwise shown. ² Boneless, trimmed weight equivalent. ³ Total may not add due to rounding. ⁴ Total dairy products reported on a milk-equivalent, milkfat basis. All other dairy categories reported on a product weight basis. ⁵ Natural equivalent of cheese and cheese products. ⁶ Farm weight. ⁷ White, whole wheat, semolina, and durum flour. ⁸ Annual data and per capita estimates for rice were discontinued after 2010, reducing totals for flour and cereal products from 2011 forward. ⁹ White, whole wheat, semolina, and durum flour. ¹⁰ High fructose, glucose, and dextrose. ¹⁰ Chocolate 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 2016¹

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	21.50	28.70	32.60	39.80	93.10	124.30	141.00	172.60
2-3 year	23.60	30.10	36.30	44.20	102.10	130.20	157.20	191.40
4-5 years	24.70	31.10	38.60	47.20	106.90	134.50	167.10	204.30
6-8 years	31.40	43.60	52.70	62.50	136.00	188.80	228.30	270.70
9-11 years	35.40	47.20	61.10	71.10	153.50	204.60	264.80	308.10
Male:								
12-13 years	38.20	54.20	68.00	79.70	165.50	234.70	294.60	345.50
14-18 years	39.30	54.90	70.00	80.20	170.10	238.00	303.30	347.60
19-50 years	42.20	54.60	68.50	84.30	183.10	236.70	296.70	365.30
51-70 years	38.50	51.50	64.00	77.50	166.90	223.30	277.50	335.70
71+ years	38.80	50.90	63.20	78.20	168.30	220.70	273.70	338.90
Female:								
12-13 years	38.20	46.60	56.30	68.90	165.40	202.10	243.80	298.50
14-18 years	37.50	46.60	56.50	69.60	162.50	202.10	244.90	301.50
19-50 years	37.50	47.30	58.50	74.80	162.50	205.10	253.50	323.90
51-70 years	37.10	46.10	57.50	69.40	160.60	199.70	249.10	300.70
71+ years	36.10	45.60	56.60	68.40	156.30	197.40	245.40	296.20
Families:								
Family of 2 (Male and Female): ⁴								
19-50 years	87.70	112.20	139.70	175.00	380.10	486.00	605.20	758.20
51-70 years	83.10	107.40	133.70	161.60	360.30	465.30	579.20	700.10
Family of 4:								
Couple (Male and Female), 19-50 years and children.								
2-3 and 4-5 years	128.00	163.10	201.80	250.40	554.60	706.60	874.40	1,084.90
6-8 and 9-11 years	146.60	192.80	240.80	292.70	635.20	835.30	1,043.20	1,268.10

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) (<http://www.cnpp.usda.gov/Publications/FoodPlans/MiscPubs/TFP2006Report.pdf>) and *The Low-Cost, Moderate-Cost, and Liberal Food Plans, 2007* (2007) (<http://www.cnpp.usda.gov/Publications/FoodPlans/MiscPubs/FoodPlans2007AdminReport.pdf>). 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 2007–2016

Fiscal year ¹	Average monthly participation ²		Recipient benefits <i>1,000 dollars</i>	Total cost ³ <i>1,000 dollars</i>	Average monthly benefit ⁴	
	Persons	Households			Per person	Per household
	<i>1,000</i>	<i>1,000</i>			<i>Dollars</i>	<i>Dollars</i>
2007	26,316	11,788	30,373,271	33,173,525	96.18	214.72
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	79,859,070	133.07	274.98
2014	46,664	22,744	69,998,836	74,058,464	125.01	256.47
2015	45,767	22,522	69,645,138	73,980,835	126.81	257.69
2016	44,219	21,778	66,593,008	70,974,493	125.50	254.82

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 2007–2016 ¹

Fiscal year ²	Child Nutrition					WIC ⁶ <i>1,000 dollars</i>	Special Milk <i>1,000 dollars</i>	Food Distribution Programs ⁷ <i>1,000 dollars</i>
	Cash payments				Cost of food distribution programs ⁵ <i>1,000 dollars</i>			
	School Lunch <i>1,000 dollars</i>	School Breakfast <i>1,000 dollars</i>	Child & Adult Care ³ <i>1,000 dollars</i>	Summer Food ⁴ <i>1,000 dollars</i>				
2007	7,706,080	2,163,478	2,023,104	254,680	1,112,559	5,409,580	13,619	487,968
2008	8,264,807	2,365,478	2,168,750	286,880	1,141,080	6,188,804	14,859	543,025
2009	8,874,484	2,582,645	2,288,288	304,350	1,216,486	6,471,624	14,112	873,582
2010	9,751,746	2,859,231	2,397,546	314,794	1,223,249	6,689,911	11,926	895,761
2011	10,105,030	3,034,160	2,471,495	327,232	1,298,925	7,180,797	12,296	829,756
2012	10,414,297	3,276,990	2,589,624	350,378	1,278,919	6,801,320	12,295	756,034
2013	11,057,633	3,513,983	2,720,503	375,013	1,288,860	6,499,426	10,721	998,071
2014	11,356,095	3,685,351	2,849,511	409,403	1,437,582	6,350,407	10,499	939,075
2015	11,696,825	3,892,135	3,009,836	427,870	1,457,400	6,210,948	10,509	839,701
2016	12,258,118	4,212,565	3,218,842	418,642	1,466,851	5,966,222	9,057	971,921

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 2016 ¹

State/Territory	Child Nutrition Program (cash payments only) ²					Special Supplemental Food (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					
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars					
Alabama	51,206	7,228	24	219,359	78,781	70,626	1,254,835	10,293	23,867	1,716,217
Alaska	8,755	1,453	2	35,920	12,236	12,261	175,483	1,643	3,230	250,983
Amer. Samoa ⁴	0	0	0	0	0	5,359	0	0	0	5,359
Arizona	47,900	2,994	46	278,319	93,167	88,569	1,402,230	13,127	41,110	1,967,462
Arkansas	56,655	5,404	0	135,474	53,161	41,730	577,775	5,645	18,794	894,638
California	415,810	20,690	328	1,489,773	509,315	651,222	7,237,700	76,564	199,487	10,600,891
Colorado	24,249	4,134	152	134,129	49,268	42,831	728,043	8,601	20,014	1,011,421
Connecticut	16,776	4,428	124	99,606	30,795	25,999	685,510	5,137	10,579	878,952
Delaware	15,425	1,777	25	36,382	13,861	8,709	220,683	2,128	6,825	305,816
District of Columbia	8,423	2,183	6	27,841	11,157	7,542	210,436	1,896	2,828	272,313
Florida	250,891	37,274	15	822,277	256,901	243,058	5,216,754	34,897	97,805	6,959,874
Georgia	112,622	13,982	12	530,949	191,473	121,526	2,663,018	21,262	57,982	3,712,828
Guam	416	0	0	7,940	2,769	6,758	106,334	490	35	124,741
Hawaii	6,702	525	0	45,193	11,602	19,182	484,225	1,716	4,484	573,629
Idaho	7,351	3,875	120	54,098	19,526	16,192	255,424	3,318	8,158	368,064
Illinois	138,980	10,133	1,978	463,830	139,586	141,059	3,040,977	24,746	54,646	4,015,936
Indiana	54,935	8,059	154	262,117	78,793	64,372	1,068,459	12,286	39,496	1,588,671
Iowa	25,089	3,632	65	108,458	27,283	22,690	507,597	4,968	17,742	717,524
Kansas	29,719	3,873	63	106,850	31,403	26,870	342,325	4,583	15,379	561,063
Kentucky	36,664	7,138	24	222,025	88,103	54,021	980,977	8,811	29,658	1,427,421
Louisiana	90,212	8,822	18	227,857	79,520	72,068	1,547,434	9,964	38,866	2,074,761
Maine	9,075	2,166	16	34,532	12,582	9,950	254,899	2,876	4,713	330,811
Maryland	54,333	8,544	284	174,287	70,123	74,639	1,079,152	8,391	23,131	1,492,883
Massachusetts	61,734	7,483	241	188,854	58,166	53,807	1,189,716	9,775	29,402	1,599,178
Michigan	64,393	10,394	239	304,727	111,278	108,955	2,167,715	20,055	54,109	2,841,864
Minnesota	57,201	8,074	707	166,430	51,446	61,509	602,564	7,366	30,482	985,777
Mississippi	42,185	7,161	3	177,024	64,665	54,786	814,421	6,629	20,921	1,187,794
Missouri	50,016	12,476	430	212,354	76,492	55,347	1,182,958	11,547	34,274	1,635,894
Montana	9,988	1,837	14	27,907	9,276	9,311	166,365	1,851	9,123	235,672
Nebraska	30,070	2,416	65	69,798	17,717	18,957	240,677	2,550	15,133	397,384
Nevada	10,267	1,813	147	99,326	36,150	30,562	629,520	5,638	13,478	826,900
New Hampshire ..	4,603	812	157	23,249	5,537	5,618	120,552	1,507	4,828	166,863
New Jersey	76,666	8,078	354	261,179	95,597	100,223	1,223,052	14,995	30,886	1,811,030
New Mexico	31,595	5,456	0	101,000	44,883	22,608	693,427	5,055	14,926	918,950
New York	252,786	54,679	657	709,155	223,543	295,403	4,922,406	33,809	92,686	6,585,125
North Carolina	93,280	12,382	128	380,906	134,649	123,822	2,248,947	18,832	49,035	3,061,981
North Dakota ..	9,486	672	23	20,389	5,390	7,299	78,701	903	9,784	132,647
Northern Marianas ⁴ ..	0	0	0	0	0	2,753	0	0	0	2,753
Ohio	85,710	11,140	346	372,125	125,745	89,556	2,396,033	22,058	57,098	3,159,811
Oklahoma	55,956	3,967	19	171,395	61,548	47,880	885,643	6,644	49,874	1,282,927
Oregon	33,074	5,389	94	119,014	39,798	42,053	1,072,982	7,115	14,258	1,333,777
Pennsylvania ..	111,348	12,728	310	380,672	114,922	127,632	2,729,025	22,112	60,780	3,559,528
Puerto Rico ⁴ ..	28,127	9,965	0	117,237	31,025	165,215	0	8,878	14,529	374,976
Rhode Island ..	9,210	1,361	51	30,886	10,030	11,002	272,678	1,859	4,369	341,446
South Carolina	33,433	7,829	6	210,065	80,398	57,974	1,222,104	9,547	21,737	1,643,093
South Dakota	8,341	1,340	24	30,207	8,089	10,638	144,590	817	11,403	215,450
Tennessee	66,400	9,453	19	287,410	114,346	71,855	1,672,282	12,467	24,063	2,258,296
Texas	350,590	35,467	18	1,445,113	566,474	309,383	5,308,545	47,348	168,551	8,231,489
Utah	26,383	1,129	55	99,723	22,102	25,727	301,870	4,000	14,864	495,852
Vermont	5,996	1,334	34	15,989	6,074	7,371	116,470	1,407	2,722	157,397
Virginia	43,967	9,570	127	242,035	83,427	56,195	1,169,413	10,549	25,101	1,640,384
Virgin Islands ..	1,468	505	0	4,736	999	4,004	56,767	308	369	69,156
Washington	45,391	5,268	223	201,947	55,895	86,229	1,452,894	12,640	26,768	1,887,254
West Va	15,076	1,535	17	76,434	40,226	19,983	499,059	4,666	10,064	667,062
Wisconsin	37,429	7,804	1,061	170,321	51,408	50,017	922,851	9,264	30,401	1,280,556
Wyoming	4,484	810	30	15,002	3,867	4,184	48,510	817	3,234	80,938
DoD ⁵	0	0	0	8,294	0	0	0	0	1,997	10,291
Total ⁴	3,218,842	418,642	9,057	12,258,118	4,212,565	3,965,090	66,593,008	586,350	1,670,079	92,931,750

¹ Excludes all administrative and program evaluation costs. ² Excludes totals for Food Safety Education and \$14.8 million for 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 of \$2,001 million for Puerto Rico, \$22.5 million for the Northern Marianas, and \$23.0 million for American Samoa. ⁵ Dept. of Defense represents food service to children of armed forces personnel in overseas schools.
 FNS, Budget Division/Program Reports, Analysis and Monitoring Branch (703) 305-2165.

Table 13-11.—Food and Nutrition Service Programs: Persons participating, fiscal years 2007–2016

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
2007	30,630	10,119	3,207	1,977	8,285
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	30,490	14,045	4,182	2,570	8,024
2016	30,390	14,569	4,405	2,823	7,696

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, 2007–2016¹
[1982–84=100]

Year	Food	Nonfood items					All items
		Apparel and upkeep	Housing		Transportation	Medical care	
			Total	Rent			
2007	202.9	119.0	209.6	250.8	184.7	351.1	207.3
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

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 2006–2016, fruits for 2016, and vegetables for 2014. 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, 2006–2016¹

Crop	Nitrogen <i>Percent</i>	Phosphate <i>Percent</i>	Potash <i>Percent</i>	Sulfur <i>Percent</i>
2006:				
Rice	97	67	54	18
Soybeans	18	23	25	3
Wheat, Durum	92	74	7	4
Wheat, Other Spring	95	85	27	13
Wheat, Winter	80	57	17	14
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

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
	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>
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	.....	.....

* Insufficient number of reports to publish data. ** Amount applied is less than 500 lbs. ¹ 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

* Insufficient number of reports to publish data. ** Area applied is less than 0.5 percent. *** Amount 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.

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, 2005–2015^{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:								
2005	98	1,186	74	192	2	3	89	697
2007	98	941	55	88	*	*	75	423
2015	100	997	76	107	(D)	(D)	97	673
Arizona:								
2015	85	353	30	12	(D)	(D)	67	46
Arkansas:								
2005	95	2,997	84	2,669	6	18	87	1,910
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
California:								
2005	92	551	96	574	4	2	96	1,570
2007	90	565	90	506	2	1	93	1,414
2015	93	295	89	97	(D)	(D)	78	266
Georgia:								
2005	99	2,958	88	1,145	**	1	95	2,539
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
Louisiana:								
2005	98	1,897	94	1,358	3	7	99	888
2007	98	992	99	562	*	*	100	567
Mississippi:								
2005	100	3,947	92	1,917	6	28	98	1,880
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
Missouri:								
2007	100	995	83	270	*	*	100	867
2010	100	1,191	92	279	*	*	99	556
2015	100	590	78	193	(D)	(D)	100	470
North Carolina:								
2005	99	2,181	82	597	7	41	92	1,642
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
South Carolina:								
2007	100	535	92	85	13	13	86	291
2015	100	739	87	227	.....	.....	83	211
Tennessee:								
2005	99	1,339	87	253	11	23	94	1,030
2007	100	1,482	94	228	*	*	99	985
2010	98	1,291	94	146	*	*	97	790
2015	100	511	49	69	.....	.....	48	180
Texas:								
2005	93	8,677	53	5,946	.....	.....	47	3,075
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

Planted acres are in table 2-2.
¹Insufficient number of reports to publish data. ²Area applied is less than 0.5 percent. (D) Withheld to avoid disclosing data for individual operations. ³Data not available for all States for all years. ⁴2007 data are for all cotton (pima and upland). ⁵Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-7.—Cotton, Upland: Fertilizer usage, 2005–2015^{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
	<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:								
2005	98	51.4	87	27.0	90	37.0	39	3.4
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
Arizona:								
2015	98	12.5	50	2.3	15	0.2	8	0.1
Arkansas:								
2005	96	112.8	73	33.3	82	71.2	33	8.5
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
California:								
2005	96	79.8	32	10.2	22	8.3	4	0.2
2007	96	53.6	39	13.2	20	4.3	*	*
2015	94	14.9	28	1.4	33	2.6	5	0.1
Georgia:								
2005	97	112.6	88	63.8	90	103.7	56	11.7
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
Louisiana:								
2005	99	47.5	47	12.3	49	23.3	35	1.3
2007	100	29.3	70	8.1	63	16.1	*	*
Mississippi:								
2005	99	144.5	35	22.6	58	82.7	17	2.8
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
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
North Carolina:								
2005	95	57.9	74	25.7	95	79.0	40	7.1
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
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:								
2005	100	60.6	90	31.1	99	58.3	42	2.1
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
Texas:								
2005	77	310.9	64	144.9	32	35.4	40	32.3
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

*Insufficient number of reports to publish data. ¹Data not available for all States for all years. ²2007 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
	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands
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
	Percent	Millions	Percent	Millions	Percent	Millions	Percent	Millions
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

Planted acres are in table 1-48.
 (D) Withheld to avoid disclosing data for individual operations. ¹ Data not available for all States for all years.
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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

Planted acres are in table 1-48.

(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.

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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
	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands
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**

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 14-15.—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

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	*	*	.....	.....

Planted acres are in table 1-65.
 *Insufficient number of reports to publish data. ¹Data not available for all States for all years.
 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

Planted acres are in table 1-65.
 *Insufficient number of reports to publish data. ¹Data not available for all States for all years. ²Estimates began in 2005.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-18.—Soybeans: Pesticide usage, 2012 and 2015¹

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:								
2012	97	7,531	36	238	27	132	.....	.....
2015	89	6,565	23	129	10	57	.....	.....
Illinois:								
2012	98	15,478	16	384	11	105	*	*
2015	99	19,119	7	89	12	173	3	37
Indiana:								
2012	99	8,730	16	362	13	95	*	*
2015	96	11,216	11	118	8	60	.....	.....
Iowa:								
2012	99	16,093	21	486	16	173	*	*
2015	93	17,021	25	425	18	235	(D)	(D)
Kansas:								
2012	96	7,337	*	*	*	*	.....	.....
2015	98	9,017	9	62	(D)	(D)	(D)	(D)
Kentucky:								
2012	98	2,553	13	6	7	9	.....	.....
2015	97	3,199	23	55	20	74	(D)	(D)
Louisiana:								
2012	99	3,224	84	604	71	130	*	*
2015	97	4,186	63	.....	43	107	(D)	(D)
Michigan:								
2012	97	3,650	25	194	*	*	.....	.....
2015 .....	.....	3,041	(D)	(D)	9	63	(D)	(D)
Minnesota:								
2012	100	11,017	26	493	8	54	*	*
2015	96	11,723	56	656	11	118	(D)	(D)
Mississippi:								
2012	100	5,448	38	364	33	60	*	*
2015	97	7,493	38	123	25	103	7	718
Missouri:								
2012	91	9,287	15	120	4	18	.....	.....
2015	90	8,460	6	19	(D)	(D)	.....	.....
Nebraska:								
2012	98	8,947	*	*	5	23	.....	.....
2015	98	9,967	9	25	7	44	.....	.....
North Carolina:								
2012	90	2,852	31	40	14	29	.....	.....
2015	97	3,620	19	54	13	64	(D)	(D)
North Dakota:								
2012	99	8,719	10	125	3	17	.....	.....
2015	99	9,737	37	367	7	79	(D)	(D)
Ohio:								
2012	98	7,941	6	45	8	40	.....	.....
2015	96	8,377	7	13	10	67	(D)	(D)
South Dakota:								
2012	97	7,771	17	363	5	77	.....	.....
2015	93	9,025	29	291	5	33	.....	.....
Tennessee:								
2012	95	2,861	12	6	23	33	.....	.....
2015	100	4,427	22	14	15	40	(D)	(D)
Virginia:								
2012	99	1,138	37	29	26	17	.....	.....
2015	96	1,224	37	25	16	19	(D)	(D)
Wisconsin:								
2012	100	2,404	29	177	5	8	.....	.....
2015	96	2,829	(D)	(D)	11	30	(D)	(D)

Planted acres are in table 3-32.
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. ²Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-19.—Soybeans: Fertilizer usage, 2012 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
Arkansas:								
2012	7	8.5	49	84.2	53	149.2	*	*
2015	(D)	(D)	59	113.6	64	168.2	(D)	(D)
Illinois:								
2012	19	44.7	23	148.8	39	387.5	4	8.6
2015	21	53.2	28	190.3	44	486.0	3	4.8
Indiana:								
2012	18	13.8	30	83.9	47	224.5	.....	.....
2015	35	35.9	39	115.9	50	317.3	6	2.2
Iowa:								
2012	13	19.2	26	134.5	36	270.0	7	8.8
2015	15	32.1	30	156.8	32	264.3	5	7.3
Kansas:								
2012	29	14.7	31	44.0	14	24.3	3	1.1
2015	33	18.9	36	45.3	20	23.5	12	2.2
Kentucky:								
2012	24	5.1	44	34.6	54	64.9	*	*
2015	37	17.8	54	59.6	58	85.0	4	0.8
Louisiana:								
2012	6	0.9	22	10.3	24	17.8	*	*
2015	(D)	(D)	29	22.0	29	27.9	7	1.8
Michigan:								
2012	44	11.2	43	30.4	69	107.2	*	*
2015	36	10.2	33	27.5	49	85.1	11	1.8
Minnesota:								
2012	27	24.0	30	80.2	27	101.0	6	4.4
2015	19	19.4	27	102.7	29	131.2	6	4.6
Mississippi:								
2012	14	6.2	13	12.0	26	43.7	*	*
2015	8	2.7	26	37.6	33	68.3	(D)	(D)
Missouri:								
2012	24	23.3	45	130.4	46	190.9	8	3.3
2015	20	16.8	41	103.1	46	159.9	7	4.9
Nebraska:								
2012	42	27.4	52	129.6	14	24.6	21	10.1
2015	36	30.5	45	115.8	15	24.3	25	19.1
North Carolina:								
2012	50	15.8	44	31.6	61	80.3	16	2.3
2015	53	21.8	49	42.0	64	96.8	12	3.2
North Dakota:								
2012	51	27.3	61	106.0	14	12.2	3	0.9
2015	48	28.0	51	114.0	14	23.3	13	7.2
Ohio:								
2012	25	17.2	31	74.1	58	267.4	4	1.8
2015	32	25.9	34	82.3	49	232.2	4	3.1
South Dakota:								
2012	43	25.4	49	110.5	22	33.4	2	1.2
2015	41	22.3	49	102.5	27	36.4	4	1.6
Tennessee:								
2012	48	15.7	68	45.4	72	73.6	13	3.2
2015	48	22.1	66	78.1	70	116.5	17	2.9
Virginia:								
2012	53	7.3	50	13.3	56	27.3	9	1.5
2015	58	9.2	64	19.6	79	40.6	25	2.0
Wisconsin:								
2012	45	13.4	42	25.5	75	114.9	28	11.6
2015	39	13.1	44	34.4	71	116.7	29	6.9

Planted acres are in table 3-32.

*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.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-20.—Wheat: Pesticide usage, 2012 and 2015 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:								
2012	81	3,875	*	*	*	*	.....	.....
2015	75	2,816	(D)	(D)	36	127	.....	.....
Idaho:								
2012	95	444	*	*	46	45	*	*
2015	90	.....	(D)	(D)	56	50	(D)	(D)
Illinois:								
2012	50	59	15	4	36	32	.....	.....
2015	45	56	9	1	25	21	(D)	(D)
Kansas:								
2012	67	4,567	*	*	21	227	.....	.....
2015	58	3,043	(D)	(D)	17	174	.....	.....
Missouri:								
2012	36	54	21	5	30	33	.....	.....
2015	40	98	22	5	27	38	.....	.....
Montana:								
2012	95	2,365	.....	.....	7	16	.....	.....
2015	97	3,299	(D)	(D)	18	42	.....	.....
Nebraska:								
2012	61	588	*	*	17	30	.....	.....
2015	69	607	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina:								
2015	78	127	41	7	29	21	.....	.....
Ohio:								
2012	39	37	9	1	23	18	.....	.....
2015	35	50	7	5	23	19	(D)	(D)
Oklahoma:								
2012	41	1,089	*	*	*	*	.....	.....
2015	44	1,539	(D)	(D)	(D)	(D)	.....	.....
Oregon:								
2012	98	886	*	*	39	44	*	*
2015	100	865	(D)	(D)	15	20	(D)	(D)
South Dakota:								
2012	75	799	6	1	56	61	.....	.....
2015	86	959	(D)	(D)	32	57	.....	.....
Texas:								
2012	27	997	4	81	8	68	.....	.....
2015	41	2,528	12	234	11	102	.....	.....
Washington:								
2012	99	1,181	*	*	62	166	.....	.....
2015	95	1,569	(D)	(D)	44	98	(D)	(D)
Durum								
Montana:								
2012	96	604	.....	.....	9	3	.....	.....
2015	98	678	(D)	(D)	26	12	.....	.....
North Dakota:								
2012	100	1,146	5	8	51	88	.....	.....
2015	100	673	(D)	(D)	72	116	.....	.....
Other Spring								
Minnesota:								
2012	97	664	41	37	76	144	.....	.....
2015	97	676	41	47	76	241	.....	.....
Montana:								
2012	93	2,642	*	*	10	25	.....	.....
2015	98	3,197	(D)	(D)	16	38	.....	.....
North Dakota:								
2012	99	3,855	10	81	64	460	.....	.....
2015	96	4,288	(D)	(D)	62	597	.....	.....
South Dakota:								
2012	93	519	*	*	39	43	.....	.....
2015	90	612	9	5	38	74	.....	.....

Planted acres are in table 1-8. *Insufficient number of reports to publish data. (D) Withheld to avoid disclosing data for individual operations. ¹Data not available for all States for all years. ²Amount applied excludes biologicals. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-21.—Wheat: Fertilizer usage, 2012 and 2015 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
	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>	<i>Percent</i>	<i>Millions</i>
Winter Wheat								
Colorado:								
2012	72	59.2	40	21.3	3	1.4	11	1.2
2015	79	75.3	52	25.5	6	0.9	16	1.6
Idaho:								
2012	94	91.9	61	14.0	34	6.2	58	10.4
2015	96	88.2	65	13.5	31	4.9	80	14.4
Illinois:								
2012	88	63.3	78	41.2	81	54.2	10	1.3
2015	90	38.8	72	27.5	58	33.1	10	1.2
Kansas:								
2012	94	456.2	65	183.1	8	24.4	9	4.4
2015	94	518.7	63	174.4	9	33.1	11	4.8
Missouri:								
2012	99	72.3	85	37.6	82	47.0	33	3.3
2015	92	55.4	80	33.4	80	42.5	19	1.6
Montana:								
2012	91	135.3	88	57.4	21	5.2	23	3.9
2015	99	154.4	93	69.5	32	7.9	31	5.6
Nebraska:								
2012	83	63.0	64	30.7	7	1.3	23	3.1
2015	83	65.6	58	30.2	3	0.8	23	3.2
North Carolina:								
2015	80	39.7	43	11.9	61	32.7	24	3.6
Ohio:								
2012	89	39.6	83	22.5	80	25.1	25	1.6
2015	88	35.4	74	20.9	70	26.0	22	1.8
Oklahoma:								
2012	85	288.8	43	72.1	8	5.7	5	2.6
2015	94	264.3	65	95.0	12	10.2	5	1.6
Oregon:								
2012	100	64.2	22	3.7	11	3.4	50	7.5
2015	97	33.3	15	1.4	13	1.4	60	3.8
South Dakota:								
2012	84	81.5	75	29.7	9	1.3	34	3.3
2015	99	118.2	79	46.3	13	2.2	33	3.3
Texas:								
2012	65	203.5	32	55.6	7	6.6	21	14.5
2015	67	209.2	42	63.4	10	14.7	22	10.7
Washington:								
2012	97	133.3	40	13.4	8	2.6	74	15.7
2015	99	129.6	59	16.6	14	2.2	86	18.3
Durum								
Montana:								
2012	98	32.2	90	12.7	12	0.6	15	0.5
2015	98	39.9	97	16.8	23	1.8	23	1.2
North Dakota:								
2012	99	95.0	89	31.4	12	1.7	11	0.6
2015	99	88.7	94	37.8	36	6.1	35	3.2
Other Spring								
Minnesota:								
2012	98	151.8	88	48.8	58	23.1	13	2.2
2015	95	147.2	87	49.0	69	34.5	30	4.6
Montana:								
2012	93	146.4	84	70.4	17	7.3	28	8.7
2015	94	158.6	81	55.5	28	11.7	36	7.7
North Dakota:								
2012	98	515.0	90	195.3	29	45.3	18	8.9
2015	99	633.9	95	244.8	41	49.5	30	13.8
South Dakota:								
2012	97	84.8	78	32.9	10	3.8	24	3.0
2015	98	116.6	80	43.4	21	8.2	24	3.2

Planted acres are in table 1-8. * Insufficient number of reports to publish data. ¹ Data not available for all States for all years.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 14-22.—Fruits, Pesticides: Percent of bearing acres receiving applications, for surveyed States, 2015 ¹

Crop	Herbicide	Insecticide	Fungicide	Other
<i>Percent</i>				
Apples	37	91	81	80
Apricots	55	77	70	58
Avocados	35	40	(D)	42
Blackberries	95	83	76	24
Blueberries	66	85	86	20
Cherries, Sweet	36	83	83	72
Cherries, Tart	54	90	95	68
Dates	23	8		
Figs	36	36	36	26
Grapefruit	70	94	84	85
Grapes, All	55	53	83	45
Grapes, Raisin	51	71	91	61
Grapes, Table	74	60	96	80
Grapes, Wine	53	48	81	35
Kiwifruit	50	12	(D)	59
Lemons	60	74	34	66
Nectarines	49	55	55	54
Olives	39	26	43	10
Oranges	72	90	72	76
Peaches	43	78	82	57
Pears	45	92	90	95
Plums	47	70	51	66
Prunes	57	63	63	40
Raspberries	91	94	92	25
Tangelos	75	97	96	90
Tangerines	76	88	72	71

¹ Insufficient number of reports to publish data. ¹ Refers to acres receiving one or more applications of a specific agricultural chemical.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

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.
 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 2007–2016

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>	
2007	1,110,805	82,220	7	1,906,928	70,063	4	12,157
2008	1,297,574	114,911	9	2,152,782	79,320	4	35,591
2009	1,059,869	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	103,871	5	37,269
2014	1,617,435	152,326	9	2,334,187	109,258	5	43,068
2015	1,546,235	139,761	9	2,289,605	114,235	5	25,526
2016	1,443,819	129,622	9	2,177,838	113,037	5	16,586

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 2007–2016 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>
2007	6,579	1,273	9,783	9,339	1,143	4,305	32,568
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	1,844	10,774	21,925	1,042	3,450	44,458
Fiscal year	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>
	<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>
2007	29,636	3,306	59,051	31,592	180	3,128	127,756
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	3,823	59,119	55,101	156	2,202	144,308

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 2014–2016 ¹

Country	2014	2015	2016
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Canada	21,783.5	21,420.5	20,392.9
China	25,695.5	22,612.1	19,167.9
Mexico	19,489.2	18,005.0	17,616.7
European Union-28	12,695.1	12,308.7	11,664.4
Japan	13,366.0	11,694.5	10,602.6
Korea, South	6,870.0	6,422.3	5,693.3
Hong Kong	4,051.6	3,932.7	3,505.5
Taiwan	3,492.1	3,293.4	3,072.7
Philippines	2,774.6	2,417.4	2,470.3
Indonesia	2,964.0	2,441.6	2,376.0
Vietnam	2,229.9	2,405.8	2,354.4
Colombia	2,310.7	2,583.2	2,257.2
Thailand	1,612.7	1,713.3	1,464.9
Turkey	2,089.9	1,572.7	1,384.6
Australia(*)	1,537.0	1,453.1	1,304.3
Saudi Arabia	1,404.8	1,268.8	1,293.2
India	988.3	1,108.9	1,244.2
Peru	958.3	1,246.6	1,138.1
United Arab Emirates	1,258.9	1,318.8	1,132.2
Dominican Republic	1,292.9	1,179.2	1,109.3
Guatemala	1,101.4	1,113.0	1,078.6
Chile	856.7	801.8	826.8
Brazil	1,642.4	778.3	801.6
Malaysia	1,010.1	861.9	797.9
Egypt	1,858.3	1,092.5	744.3
Singapore	801.2	724.0	675.1
Costa Rica	601.0	679.4	654.8
Venezuela	1,322.9	896.6	652.6
Panama	668.2	652.8	646.2
Honduras	619.1	577.4	638.4
Bangladesh	289.7	412.7	561.4
Pakistan	271.2	453.8	531.3
Israel(*)	713.2	512.4	531.0
El Salvador	525.5	525.0	513.7
Switzerland(*)	389.6	482.3	449.8
Nigeria	901.2	684.1	397.4
Jamaica	418.1	369.3	377.9
Russia	1,165.2	406.2	370.0
Trinidad and Tobago	398.1	382.4	360.7
New Zealand(*)	424.0	441.4	357.1
Haiti	363.9	352.9	351.2
Morocco	444.6	323.1	312.9
Ecuador	437.7	382.1	311.6
South Africa	281.4	212.5	291.5
Bahamas, The	240.1	253.8	243.7
Jordan	237.7	227.3	242.1
Algeria	245.5	157.9	239.5
Tunisia	158.6	159.7	233.5
Kuwait	237.1	227.9	214.8
Netherlands Antilles(*)	199.0	204.1	213.4
Other Countries	4,638.5	4,013.2	3,756.8
World Total ²	152,326.4	139,760.6	129,622.3

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 2013–2016¹

Commodity	2013	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total Merchandise Exports	1,563,016,139	1,617,435,259	1,546,234,948	1,443,819,241
Nonagricultural U.S. Exports (Na)	1,421,876,735	1,465,108,904	1,406,474,358	1,314,196,934
Total Agricultural exports	141,139,404	152,326,355	139,760,590	129,622,307
Animals and animal products	30,560,638	32,965,837	28,510,992	24,917,631
Animals, live	826,564	660,263	517,004	457,565
Cattle	365,913	194,642	108,568	67,762
Horses,mules,burros-live	423,072	441,663	385,936	372,177
Swine, live	30,833	17,899	17,259	13,709
Sheep, live	5,621	4,930	3,624	2,280
Other live Animals	1,125	1,129	1,618	1,637
Red meat and products	12,628,097	14,055,350	13,076,784	12,265,824
Beef and Veal	5,217,009	6,038,125	5,849,503	5,197,469
Beef and Veal, fresh/frozen	5,019,130	5,760,092	5,556,825	4,967,378
Beef prep/pres	197,879	278,033	292,678	230,091
Horsemeat, fresh/frozen	58	60	3	204
Lamb and Goat, fr/frozen	16,734	17,322	12,202	11,525
Pork	5,166,701	5,751,064	4,975,735	4,737,195
Pork, fresh/frozen	4,469,141	4,997,616	4,226,602	3,992,852
Pork, prep/pres	697,560	753,448	749,133	744,343
Variety meats	1,556,832	1,595,205	1,599,321	1,660,243
Beef variety meats	719,981	784,852	878,909	897,749
Pork variety meats	778,046	745,729	653,463	689,227
Other variety meats	58,805	64,624	66,950	73,267
Other meats, fresh/frozen	670,763	653,574	640,019	659,188
Poultry and products	6,489,175	6,407,549	5,479,685	4,550,835
Poultry, live	206,944	211,355	175,244	165,604
Baby chicks	193,219	196,389	162,478	148,858
Other live poultry	13,724	14,966	12,766	16,745
Poultry meats	5,190,080	5,045,790	4,258,219	3,595,787
Chickens, fresh/frozen	4,070,856	3,857,247	3,143,071	2,587,301
Turkeys, fresh/frozen	590,610	634,029	521,586	437,249
Other poultry, fresh/frozen	5,752	5,103	7,525	4,920
Poultry meats, prep	522,862	549,411	586,037	566,317
Poultry, misc	469,847	524,926	385,074	235,934
Eggs	622,304	625,478	661,149	553,510
Dairy products	6,212,219	7,498,185	5,654,736	4,625,274
Evaporated/condensed milk	92,844	67,067	41,562	35,198
Nonfat dry milk	1,875,358	2,435,437	1,549,007	1,184,303
Butter and milkfat	247,159	309,429	80,254	48,924
Cheese	1,242,131	1,702,148	1,447,076	1,174,679
Whey,fluid/dried	895,943	1,045,922	744,391	548,469
Other dairy products	1,858,784	1,938,182	1,792,446	1,633,701
Fats, oils, and greases	715,539	671,228	478,352	489,558
Lard	51,184	60,312	51,533	55,835
Tallow, inedible	371,268	372,758	242,136	206,771
Other animal fats	293,088	238,158	184,683	226,952
Hides and skins	3,058,069	2,989,280	2,625,654	1,887,730
Bovine hides, whole	1,289,832	1,435,026	1,338,812	1,018,548
Other cattle hides	90,244	53,050	10,051	12,945
Calf skins, whole	116,369	98,323	60,999	47,385
Horse hides, whole	445,581	404,756	328,179	80,186
Sheep and lamb skins	23,133	21,011	14,389	14,100
Other hides and Skin	487,213	478,489	381,902	421,596
Furskins	605,697	498,624	491,322	292,969
Mink pelts	541,561	418,697	454,158	272,258
Other furskins	64,136	79,926	37,164	20,712
Wool and mohair	22,948	21,811	22,111	18,459
Sausage casings	225,866	241,401	242,230	245,525
Bull semen	136,458	157,350	164,628	160,576
Miscellaneous animal products	245,703	263,420	249,808	216,285
Grains and feeds	31,693,528	36,678,121	31,980,371	29,817,850
Wheat,unmilled	10,126,210	8,260,238	5,913,809	5,134,299
Wheat flour	142,726	133,046	154,665	171,612
Other wheat products	180,993	186,796	195,253	153,565
Rice-paddy, milled	2,212,059	2,001,825	2,035,957	1,844,127
Feed grains and products	6,739,797	12,996,140	11,534,618	11,231,110
Feed grain	6,198,169	12,480,434	11,056,967	10,774,029
Barley	46,522	87,072	68,494	40,168
Corn	5,570,645	11,083,800	8,797,355	9,140,164
Grain sorghum	570,124	1,296,939	2,183,324	1,580,421
Oats	4,147	6,595	4,566	7,248
Rye	6,731	6,028	3,228	6,027
Feed grain products	541,628	515,707	477,650	457,081

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 2013–2016¹—Continued

Commodity	2013	2014	2015	2016
	<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	103,944	119,597	119,418	95,115
Blended food products	69,710	60,014	60,375	50,173
Other grain products	3,754,740	3,893,364	3,842,679	3,670,182
Feeds and fodders	8,363,350	9,027,101	8,123,598	7,467,668
Corn by-products	914,538	921,329	729,183	624,845
Alfalfa meal and cubes	59,124	63,586	63,716	73,571
Beef pulp	110,911	114,381	105,044	97,747
Citrus pulp pellets	36,643	19,938	3,468	1,056
Other feeds and fodders	7,242,134	7,907,867	7,222,186	6,670,449
Fruit and prep	6,603,792	6,753,824	6,537,619	6,140,859
Fruits, fresh	4,987,543	4,998,336	4,778,567	4,492,666
Citrus fruits	1,004,067	973,938	981,998	983,917
Grapefruit	144,746	125,396	121,652	106,192
Lemons and limes	140,851	219,310	214,686	180,105
Oranges and tangerines	704,452	621,260	626,805	679,593
Other citrus	14,017	7,972	18,855	18,026
Noncitrus Fruits	3,983,476	4,024,399	3,796,569	3,508,749
Apples	1,161,541	1,052,293	1,094,508	894,165
Berries	746,732	751,386	711,261	678,613
Cherries	412,197	470,149	431,269	476,386
Grapes	827,400	949,583	825,889	765,252
Melons	159,219	163,099	151,182	153,563
Peaches	173,358	167,191	160,759	140,168
Pears	223,261	224,422	199,433	176,004
Plums	72,279	67,104	58,006	59,117
Other noncitrus	207,491	179,172	164,261	165,481
Fruits, dried	659,392	711,890	653,819	577,175
Raisin	364,553	432,625	342,718	321,686
Prunes	187,258	172,651	186,235	165,000
Other dried fruits	107,582	106,614	124,866	90,489
Fruits, canned	547,432	583,367	657,273	606,098
Fruits, frozen	147,750	158,842	129,205	135,438
Other fruits, prep	261,675	301,388	318,755	329,483
Fruits, juices	1,285,220	1,252,851	1,105,534	1,095,856
Apple juice	39,186	40,351	45,769	46,510
Grape juice	97,668	85,083	71,468	68,295
Grapefruit juice	56,303	46,952	40,782	36,797
Orange juice	461,506	465,770	388,810	382,741
Other fruit juices	630,557	614,697	558,704	561,513
Wine	1,474,169	1,447,094	1,524,058	1,528,793
Nuts and prep	7,767,312	8,645,138	9,454,845	8,234,402
Almonds	3,876,665	4,553,459	5,112,837	4,645,463
Filberts	93,185	113,445	114,335	74,184
Peanuts	603,497	513,346	543,439	595,962
Pistachios	1,131,643	1,236,325	1,066,101	775,538
Walnuts	1,258,140	1,421,828	1,653,175	1,250,930
Pecans	430,842	372,657	503,545	465,097
Other nuts	373,340	434,077	461,412	427,228
Vegetables and prep	6,587,168	7,029,028	6,936,242	7,148,232
Vegetables fresh	2,329,880	2,404,821	2,396,169	2,479,996
Asparagus	32,540	30,417	22,610	48,250
Broccoli	129,714	135,234	123,610	117,210
Carrots	122,418	116,156	111,339	111,209
Cabbage	42,182	35,583	37,191	48,456
Celery	96,514	81,309	83,532	96,756
Cauliflower	132,140	142,525	132,701	135,057
Corn sweet	52,422	46,327	43,855	46,772
Cucumbers	16,589	16,421	17,202	14,493
Garlic	13,055	15,958	14,514	14,949
Lettuce	493,796	473,157	502,520	488,795
Mushrooms	33,478	33,728	30,897	26,848
Onions and shallots	186,725	205,957	166,534	196,627
Peppers	86,812	91,828	82,702	79,941
Potatoes	213,313	201,900	185,347	202,455
Tomatoes	152,265	165,672	145,996	122,999
Other fresh vegetables	525,916	612,648	695,619	729,180
Vegetables, frozen	1,352,215	1,435,378	1,344,076	1,482,318
Corn, sweet	89,164	93,353	98,775	107,487
Potatoes	1,063,918	1,131,183	1,030,075	1,137,669
Other frozen vegetables	199,134	210,842	215,226	237,163
Vegetables, canned	651,404	765,407	731,848	633,631
Pulses	747,017	797,947	698,461	776,779
Dried Beans	361,777	359,406	321,625	298,078
Dried Peas	178,971	252,458	197,783	255,952
Dried Lentils	138,152	141,278	147,097	173,308
Dried chickpeas	68,117	44,804	31,957	49,441
Other vegetables, prep/pres	1,506,652	1,625,476	1,765,688	1,775,508

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 2013–2016¹—Continued

Commodity	2013	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Oilseeds and products	31,992,691	34,903,011	31,541,025	29,194,541
Oilcake and meal	5,587,337	5,827,071	5,309,655	4,226,373
Bran and residues	29,152	19,164	16,281	12,558
Corn oilcake and meal	8,543	47,558	30,700	3,033
Soybean meal	5,472,503	5,703,891	5,226,921	4,155,428
Other oilcake and meal	77,139	56,459	35,753	55,354
Oilseeds	22,455,561	25,757,921	23,179,005	21,924,851
Rapeseed	105,708	110,359	107,133	106,103
Safflower seeds	1,433	1,438	1,032	981
Soybeans	20,886,753	24,103,715	21,623,701	20,428,360
Sunflowerseeds	156,398	138,988	119,873	101,451
Peanuts, oilstock	215,846	174,443	120,392	213,436
Other oilseeds	121,978	113,385	112,852	82,948
Protein substances	967,446	1,115,594	1,094,021	991,571
Vegetable oils	3,949,794	3,318,019	3,052,365	3,043,318
Soybean oil	1,147,763	812,251	772,997	842,844
Cottonseed oil	60,005	41,029	35,644	21,495
Sunflower oil	44,503	57,570	41,772	51,367
Corn oil	567,261	464,858	391,447	430,201
Peanut oil	13,840	10,407	14,950	11,611
Rapeseed oil	246,541	123,307	95,483	94,429
Safflower oil	32,303	19,799	29,735	26,555
Other vegetable oils/waxes	1,837,576	1,788,799	1,670,338	1,564,816
Tobacco, unmfng	1,192,610	1,113,661	1,250,303	1,042,425
Tobacco, light air	262,622	210,593	239,592	160,616
Tobacco, flue	705,626	685,739	745,158	671,652
Other tobacco, unmfng	224,362	217,329	265,553	210,156
Cotton, excluding linters	5,604,211	4,598,451	4,132,816	3,442,834
Cotton linters	44,764	15,464	12,701	7,475
Essential oils	1,688,082	1,711,091	1,811,359	1,834,224
Seeds, field and garden	1,573,695	1,688,178	1,538,150	1,574,209
Sugar and tropical products	5,258,929	5,268,251	5,080,931	5,032,867
Sugar and related products	2,017,537	1,857,771	1,769,962	1,733,150
Sugar, cane or beet	162,624	151,244	93,872	73,142
Related sugar products	1,854,914	1,706,527	1,676,090	1,660,009
Coffee	983,629	959,765	914,023	936,550
Cocoa	218,494	218,252	216,217	235,772
Chocolate and prep	1,424,414	1,558,246	1,550,002	1,512,446
Tea, including herbal	391,530	424,100	375,696	381,856
Spices	153,874	175,054	189,142	184,499
Rubber, crude	66,312	71,635	61,870	45,130
Fibers, excluding cotton	3,140	3,428	4,018	3,463
Other hort products	5,710,382	5,999,435	5,989,039	6,277,596
Hops, including extract	206,611	204,794	223,219	243,603
Starches, not wheat/corn	126,163	141,617	148,691	137,038
Yeasts	93,135	100,095	98,126	92,580
Misc hort products	5,284,473	5,552,929	5,519,003	5,804,374
Nursery & greenhouse	390,306	399,204	398,038	401,855
Beverages, excluding juice	1,711,907	1,857,715	1,956,567	1,930,656

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 2013–2016¹

Product	2013	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total merchandise imports	2,262,243,815	2,334,187,363	2,289,604,720	2,177,838,027
Non-agricultural U.S. imports	2,158,373,238	2,224,928,905	2,175,369,638	2,064,801,255
Total agricultural imports	103,870,577	109,258,458	114,235,082	113,036,772
Animals & prods.	13,859,259	16,159,989	19,552,590	16,594,094
Animals - live, excluding poultry	2,466,606	2,909,956	3,477,351	2,634,366
Cattle and calves	1,784,224	2,128,140	2,641,307	1,688,945
Horses, mules, burros	327,427	333,505	406,371	548,568
Swine	329,321	410,098	369,828	334,417
Sheep, Live	273	482	212	1,224
Other live animals	25,361	37,731	59,633	61,212
Red meat & products	6,009,357	7,488,181	10,069,144	8,239,663
Beef & veal	3,672,658	4,727,055	7,203,200	5,371,864
Beef & veal - fresh or frozen	3,363,683	4,407,107	6,775,861	4,997,235
Beef & veal - prep. or pres.	308,975	319,948	427,338	374,629
Pork	1,381,328	1,658,019	1,668,243	1,657,934
Pork - fr. or froz.	1,092,292	1,346,306	1,350,379	1,335,882
Pork - prep. or pres.	289,036	311,714	317,864	322,052
Mutton, goat & lamb	623,144	726,861	765,147	775,142
Horsemeat - fr. or froz.	1,482	1,799	2,173	1,875
Variety meats - fr. or froz.	210,473	262,627	305,178	300,625
Other meats - fr. or froz.	41,185	45,471	48,847	45,336
Other meats & prods.	79,087	68,348	76,355	86,888
Poultry and prods.	650,274	700,067	810,912	863,321
Poultry - live	45,456	42,887	44,915	50,020
Poultry meat	360,170	377,147	467,868	527,524
Eggs	40,957	57,216	111,736	169,880
Poultry, misc.	203,690	222,817	186,394	115,897
Dairy products	3,173,471	3,442,395	3,599,504	3,395,207
Milk & cream, fresh or dried	110,713	110,054	112,480	105,038
Butter & butterfat mixtures	64,415	67,670	154,896	185,823
Cheese	1,148,953	1,230,484	1,314,099	1,274,612
Casein & mixtures	621,859	702,819	675,189	529,484
Other dairy prods.	1,227,531	1,331,368	1,342,840	1,300,250
Fats, oils, & greases	190,766	181,336	178,954	184,127
Hides & skins	282,069	293,245	255,344	177,606
Sheep & lamb skins	760	867	390	357
Other hides & skins	51,344	58,271	57,057	41,486
Furskins	229,966	234,107	197,897	135,763
Wool - unmg.	24,209	21,718	21,334	17,726
Apparel grade wool	14,650	11,844	11,499	8,904
Carpet grade wool	9,559	9,874	9,834	8,822
Sausage casings	166,277	192,720	208,941	182,695
Bull semen	31,827	41,741	39,206	43,400
Misc. animal prods	864,117	888,238	891,660	855,734
Silk, raw	286	392	239	249
Grains & feeds	11,453,460	11,012,266	11,101,456	11,081,863
Wheat, ex. seed	1,003,536	1,085,280	774,420	511,095
Corn, unmilled	1,176,437	150,545	227,223	371,116
Oats, unmilled	361,101	516,782	442,779	318,223
Barley, unmilled	135,746	151,536	121,875	100,794
Rice	712,847	772,255	744,299	666,839
Biscuits & wafers	2,996,181	3,104,502	3,408,778	3,823,944
Pasta & noodles	566,383	614,904	618,153	593,327
Other grains & preps.	2,790,631	2,895,187	3,013,014	3,003,037
Feeds & fodders, excluding oilcake	1,710,598	1,721,276	1,750,916	1,693,489
Fruits & preps.	11,410,683	12,586,866	13,743,764	14,869,081
Fruits - fr. or froz.	8,977,530	10,130,525	11,051,182	12,058,825
Apples, fresh	219,653	237,196	211,044	264,701
Avocados	1,003,422	1,480,955	1,626,106	1,717,897
Berries, excl. strawberries	1,231,621	1,415,920	1,733,779	1,986,251
Bananas & plantains - fresh or frozen	2,141,374	2,185,461	2,238,481	2,271,361
Citrus, fresh	588,558	782,157	821,272	955,802
Grapes, fresh	1,190,056	1,195,207	1,291,933	1,449,269
Kiwifruit, fresh	85,324	100,522	117,998	127,963
Mangoes	450,658	468,569	525,461	545,951
Melons	539,482	560,575	611,680	691,252
Peaches	48,490	40,388	65,753	76,867
Pears	106,961	119,468	134,854	111,145
Pineapples - fr. or froz.	555,252	655,188	644,879	663,304
Plums	42,912	30,259	49,893	53,915
Strawberries - fr. or froz.	446,977	503,926	580,620	725,172
Other fruits - fr. or froz.	326,787	354,734	397,430	417,978
Fruits - prep. or pres.	2,433,154	2,456,342	2,692,582	2,810,256
Bananas & plantains - prep. or pres.	116,561	125,107	136,767	143,426
Pineapples - canned or prep.	328,325	303,838	378,972	389,835
Other fruits - prep. or pres.	1,988,268	2,027,397	2,176,843	2,276,994
Fruit juices	1,894,440	1,839,956	1,838,631	1,760,632
Apple juice	680,949	597,027	500,987	476,474
Grape juice	169,039	129,266	80,206	73,390
Grapefruit juice	1,391	652	736	1,293
Lemon juice	59,067	90,043	127,333	114,142
Lime juice	22,090	28,870	27,013	30,173
Orange juice	567,613	587,723	617,729	556,712
Pineapple juice	114,120	113,823	127,480	118,602
Other fruit juice	280,172	292,551	357,148	389,847

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 2013–2016 ¹—Continued

Product	2013	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Nuts & preps	1,922,555	2,192,749	2,699,507	2,724,839
Brazil nuts	52,616	60,683	74,463	72,549
Cashew nuts	933,191	986,209	1,224,411	1,234,762
Chestnuts	13,014	13,733	12,997	15,789
Coconut meat	151,125	196,118	251,260	220,925
Filberts	46,702	53,090	40,039	34,799
Macadamia nuts	111,438	116,480	151,546	140,624
Pecans	243,447	298,087	390,564	484,073
Pistachio nuts	8,304	6,074	10,558	10,803
Other nuts	362,719	462,275	543,670	510,515
Vegetables & preps	11,192,347	11,463,255	11,855,875	13,158,733
Vegetables, fresh	6,551,970	6,662,936	6,910,348	8,009,387
Tomatoes	1,935,648	1,938,697	1,953,924	2,221,354
Asparagus	578,374	497,845	551,115	609,777
Beans	96,128	96,076	104,924	121,866
Cabbage	32,179	33,868	36,798	47,581
Carrots	73,577	74,899	88,205	94,992
Cauliflower & broccoli, fresh	157,531	176,838	216,176	267,797
Celery	25,845	22,612	26,297	26,576
Cucumbers	556,948	628,890	613,887	704,485
Eggplant	64,267	58,930	60,383	68,154
Endive	4,650	4,648	3,880	3,978
Garlic	191,795	127,358	160,414	205,430
Lettuce	190,079	202,486	245,074	276,629
Okra	19,730	27,099	25,002	25,721
Onions	338,304	354,319	402,509	469,759
Peas	78,598	72,164	74,435	74,879
Peppers	1,183,174	1,274,270	1,209,770	1,451,460
Potatoes	126,043	173,785	147,724	186,635
Radishes	19,713	19,269	21,199	21,185
Squash	305,618	303,497	326,282	383,247
Other fresh vegetables	573,771	575,385	642,349	747,883
Vegetables - prep. or pres.	2,719,742	2,816,558	2,954,688	3,029,855
Bamboo shoots, preserved	34,353	28,132	26,801	26,263
Cucumbers, preserved	52,123	43,155	57,977	57,176
Garlic, dried	63,663	63,219	65,039	75,892
Olives - prep. or pres.	384,794	428,775	411,584	415,202
Mushrooms, canned	102,113	110,670	110,223	109,136
Mushrooms, dried	26,891	32,683	34,526	28,285
Onions, preserved	38,488	38,851	44,249	48,921
Artichokes - prep.	137,132	137,841	137,560	138,255
Asparagus - prep.	41,569	24,450	14,665	20,962
Tomatoes, incl. paste & sauce	173,760	180,822	193,052	204,835
Waterchestnuts	30,652	30,857	32,831	21,440
Peppers & pimentos, prep.	99,393	95,211	103,783	110,096
Veg Starches, excluding wheat & corn	137,829	147,075	166,467	171,950
Soups & sauces	361,020	396,921	433,330	464,544
Other vegetables - prep. or pres.	1,035,963	1,057,897	1,122,601	1,136,898
Vegetables, frozen	1,701,398	1,719,917	1,728,429	1,867,974
Tomatoes	5,127	6,395	5,059	7,109
Asparagus	13,970	15,667	10,439	16,021
Beans	84,402	78,251	71,640	69,359
Carrots	4,601	4,839	4,977	7,796
Cauliflower & broccoli	299,442	321,328	342,645	356,639
Okra	7,487	10,184	15,081	16,494
Peas	39,036	42,499	41,012	40,940
Potatoes	795,787	758,328	729,827	772,098
Other frozen vegetables	451,547	482,427	507,751	581,520
Pulses	219,236	263,844	262,409	251,517
Dried peas	53,662	66,871	48,511	44,816
Dried beans	124,154	140,979	160,376	143,666
Dried lentils	19,552	30,996	28,891	28,147
Dried chickpeas	21,867	24,998	24,631	34,889
Sugar & related prods.	4,340,940	4,471,095	4,633,936	4,477,667
Sugar - cane & beet	1,714,158	1,645,062	1,756,315	1,660,994
Molasses	184,901	144,233	153,125	161,512
Confectionery prods.	1,534,328	1,653,670	1,634,391	1,727,637
Other sugar & related prods.	907,553	1,028,131	1,090,106	927,524
Cocoa & products	4,083,919	4,742,280	4,750,450	4,939,191
Coffee & products	6,056,712	6,015,172	6,400,269	5,933,934
Tea	704,044	695,617	734,605	750,157
Spices & herbs	1,420,601	1,581,684	1,808,641	1,859,476
Pepper	764,392	816,223	977,738	991,728
Other spices & herbs	656,209	765,461	830,902	867,747

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 2013–2016 ¹—Continued

Product	2013	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Drugs, crude & natural	1,564,449	1,638,374	1,702,778	1,809,405
Essential oils	2,374,077	2,585,617	2,711,483	2,626,640
Fibers, excl. cotton	78,292	89,405	110,142	127,833
Rubber & gums	2,672,674	2,138,416	1,574,684	1,306,736
Tobacco - unmfng.	866,192	889,594	783,586	793,396
Tobacco - filler	834,275	855,269	757,951	763,423
Tobacco - scrap	23,714	22,892	16,558	10,770
Other tobacco	8,203	11,434	9,077	19,202
Beverages, ex. fruit juice	11,569,843	12,372,359	13,093,885	13,958,659
Wine	5,306,943	5,437,166	5,429,441	5,526,809
Malt beverages	3,595,254	4,107,639	4,381,477	4,831,746
Other beverages	2,667,646	2,827,555	3,282,968	3,600,105
Oilseeds & products	8,539,102	9,637,686	8,506,466	8,225,270
Oilseeds & oilnuts	1,266,536	1,983,428	1,121,474	827,111
Flaxseed	118,234	126,607	116,413	68,950
Rapeseed	259,468	468,438	256,683	186,652
Soybeans	684,079	1,097,997	491,670	361,446
Sunflower seeds	42,735	46,636	54,236	45,170
Other oilseeds & oilnuts	162,021	243,750	202,471	164,892
Oils & waxes - vegetable	5,958,319	6,091,774	6,092,842	6,152,970
Castor oil	79,187	80,634	87,130	69,675
Coconut oil	561,591	734,355	865,613	774,419
Cottonseed oil	9,337	13,498	6,737	2,508
Olive oil	1,070,099	1,137,708	1,181,410	1,323,412
Palm oil	1,142,199	1,029,905	841,665	828,862
Palm kernel oil	282,433	312,751	332,007	351,795
Peanut oil	21,577	27,752	17,261	29,633
Rapeseed oil	1,619,207	1,596,365	1,488,966	1,516,264
Soybean oil	114,527	79,066	97,405	99,425
Sesame oil	65,420	70,008	80,719	76,695
Other vegetable oils	992,743	1,009,730	1,093,930	1,080,283
Oilcake & meal	1,314,246	1,562,485	1,292,150	1,245,189
Cotton, excl. linters	6,679	9,143	5,103	11,226
Cotton, linters	-	488	489	1,868
Seeds - field & garden	1,644,131	1,380,349	988,007	1,003,790
Cut flowers	1,000,903	1,013,966	1,025,669	1,103,016
Nursery stock, bulbs, etc.	669,436	705,108	714,154	719,674
Other hort products	4,545,841	4,037,021	3,898,912	3,199,591
Hops, including extract	41,373	44,007	51,532	58,478
Starches, ex wheat/corn	105,419	117,403	114,381	126,399
Yeasts	278,700	292,725	299,196	300,287
Misc horticultural products	4,120,349	3,582,887	3,433,802	2,714,426

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 2014–2016¹

Commodity	Value		
	2014	2015	2016
	1,000 dollars	1,000 dollars	1,000 dollars
Total agricultural exports	25,695,467	22,612,109	19,167,934
Animals and animal products	3,382,024	2,624,087	2,146,150
Animals Live, ex. Poultry	9,878	4,564	593
Cattle, live	-	-	6
Horses, live	3,652	2,085	355
Swine, Live	6,226	2,479	232
Other live animals	-	-	-
Red meat and Products	569,331	353,731	558,696
Beef and Veal	121	3	-
Beef and Veal, fresh or frozen	121	3	-
Beef, prep or pres	-	-	-
Lamb, goat, fr-ch-froz	-	-	-
Pork	287,046	169,795	310,448
Pork-fresh or frozen	279,180	169,729	308,973
Pork-prep or pres	7,866	67	1,475
Variety meats, Ed Offals	205,351	141,276	207,125
Beef variety meats	150	-	-
Pork variety meats	204,284	139,868	204,126
Other variety meats	917	1,408	3,000
Other meats-fr or froz	76,813	42,657	41,123
Poultry and poultry products	379,918	169,250	53,224
Poultry-Live	31,212	14,899	-
Baby chicks	28,436	14,887	-
Other live poultry	2,775	12	-
Poultry meats	210,425	97,037	40,054
Chickens, fresh or frozen	144,451	53,229	5,935
Turkeys, fresh or frozen	52,591	16,563	117
Other poultry, fresh or frozen	191	-	-
Poultry meats, prep or pres.	13,191	27,245	34,002
Poultry misc.	136,667	55,744	12,298
Eggs	1,614	1,569	871
Dairy prods	768,311	487,619	357,380
Evap and condensed milk	4,924	5,041	2,062
Nonfat dry milk	245,078	73,348	43,173
Butter and Milkfat	1,633	170	1,280
Cheese	58,954	52,307	43,081
Whey, fluid or dried	268,826	174,217	149,463
Other dairy products	188,896	182,536	118,321
Fats, oils and greases	2,937	2,676	5,159
Lard	2,088	1,873	3,780
Other animal fats	849	803	1,379
Hides and skins include furs	1,506,696	1,396,432	936,104
Bovine hides, whole	919,302	891,094	638,786
Other cattle hides, pieces	34,686	2,705	1,590
Calf skins, whole	31,587	28,482	25,742
Horse hides whole	245,501	207,190	37,948
Sheep and lamb skins	15,230	11,393	13,190
Other hides and skins, ex. furs	186,826	127,517	164,690
Furskins	73,564	128,051	54,158
Mink pelts	66,121	123,491	51,360
Other furskins	7,443	4,560	2,799
Wool and Mohair	6,929	10,800	7,370
Sausage casings	96,835	131,915	154,463
Bull semen	15,500	18,016	22,982
Misc animal products-other	25,690	49,084	50,180
Grains and feeds	4,586,902	4,625,573	3,022,046
Wheat, unmilled	439,795	145,285	197,741
Wheat flour	145	547	435
Other wheat products	2,349	1,098	1,095
Rice-paddy,milled parb	253	-	4
Feed grains and products	1,669,815	2,241,833	1,352,106
Feed grains	1,664,605	2,235,910	1,347,990
Corn	571,144	176,837	69,404
Grain sorghums	1,093,444	2,059,069	1,278,582
Oats	18	4	4
Rye	-	-	-
Feed grain products	5,211	5,923	4,116
Popcorn	17,422	24,016	12,338
Blended food products	1,290	926	451
Other grain prods	84,376	93,520	94,613
Feeds and fodders, ex. oilcakes	2,371,455	2,118,348	1,363,263
Corn by-products	1,779	1,081	263
Alfalfa meal and cubes	14,836	21,660	29,102
Citrus pulp pellet	-	-	-
Other feeds and fodder	2,354,840	2,095,607	1,333,898

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 2014–2016¹—Continued

Commodity	Value		
	2014	2015	2016
	1,000 dollars	1,000 dollars	1,000 dollars
Fruits and prep. excluding juice	172,036	237,049	263,589
Fruits, fresh	103,936	144,643	170,767
Citrus fruits	13,374	29,401	43,088
Grapefruit	411	541	717
Lemons and limes	7,446	6,734	4,212
Oranges and tangerines	5,518	21,607	37,405
Other citrus fruits	-	520	755
Noncitrus fruits	90,562	115,241	127,678
Apple	933	21,232	17,014
Berries	157	96	123
Cherries	49,970	65,583	73,546
Grapes	32,770	20,240	22,301
Melons	-	-	-
Peaches	116	101	180
Pears	2,851	4,812	3,062
Plums	2,518	2,944	11,374
Other noncitrus	1,246	233	79
Fruits, dried	32,499	38,929	34,542
Raisins	22,953	25,213	25,549
Prunes	2,099	2,269	3,098
Other dried fruits	7,447	11,447	5,896
Fruits-canned, excluding juice	31,257	45,734	47,760
Fruits-frozen, excluding juice	881	1,441	1,717
Other fruits, prep. or pres	3,464	6,302	8,803
Fruit juices, including frozen	51,221	32,980	14,634
Apple juice	314	356	134
Grape juice	3,108	2,137	1,770
Grapefruit juice	2,344	2,390	1,360
Orange juice	4,741	3,769	1,396
Other fruit juices	40,714	24,329	9,975
Wine	74,999	61,946	72,639
Nuts and prep	308,702	229,384	238,817
Almonds	104,828	88,107	80,354
Filberts	2,870	1,620	752
Peanuts, shelled or prep	3,031	3,420	45,714
Pistachios	84,681	32,547	26,276
Walnuts	102,508	81,717	41,659
Pecans	2,364	7,822	15,983
Other nuts	8,420	14,150	28,080
Vegetables and prep	191,969	174,872	199,498
Vegetables, fresh	2,536	3,740	2,771
Asparagus	-	-	-
Broccoli	-	-	-
Carrots	-	-	94
Celery	442	320	14
Cauliflower	-	-	4
Corn, sweet	180	349	122
Cucumbers	-	-	-
Garlic	139	-	179
Lettuce	-	-	-
Mushrooms	-	-	-
Onion and Shallots	3	69	27
Peppers	79	208	182
Potatoes	11	151	304
Tomatoes	713	953	719
Other fresh vegetables	970	1,690	1,125
Vegetables, frozen	112,034	111,412	140,838
Corn, sweet	10,237	11,511	11,151
Potatoes	100,714	97,566	128,013
Other frozen vegetables	1,084	2,335	1,675
Vegetables, canned	25,560	2,280	2,066
Pulses	27,277	30,210	29,249
Dried beans	524	969	428
Dried peas	25,917	28,539	28,166
Dried lentils	836	702	470
Dried chick peas	-	-	184
Other vegetables, prep or pres	24,562	27,230	24,573

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 2014–2016¹—Continued

Commodity	Value		
	2014	2015	2016
	1,000 dollars	1,000 dollars	1,000 dollars
Oilseeds and products	14,841,895	12,861,191	12,092,820
Oilcake and meal	37,986	34,470	6,507
Bran and residues	-	-	-
Corn oilcake and meal	31,449	21,638	66
Soybean meal	6,501	12,816	6,429
Other oilcake and meal	36	16	12
Oilseeds	14,588,826	12,776,429	11,993,850
Rapeseed	-	329	-
Soybeans	14,552,618	12,738,862	11,859,257
Sunflowerseeds	2,134	1,010	100
Peanuts, including oilstock	9,851	14,037	112,473
Other oilseeds	4,916	1,390	2,315
Protein substances	19,308	20,802	19,705
Vegetable oils	215,083	50,292	92,463
Soybean oil	164,943	88	43,846
Cottonseed oil	-	-	-
Sunflower oil	570	164	326
Corn oil	225	184	67
Peanut oil	1,360	1,822	1,918
Rapeseed oil	312	381	277
Safflower oil	139	226	125
Other Vegetable oils and Waxes	47,534	47,428	45,905
Tobacco-unmanufactured	213,475	197,977	177,116
Tobacco-light air cured	460	-	1,653
Tobacco-flue cured	205,465	197,846	175,463
Other tobacco-unmanufactured	7,549	131	-
Cotton, excluding linters	1,249,616	1,013,559	395,058
Cotton linters	4,001	5,736	2,775
Essential oils	129,013	130,422	118,951
Seeds-field and garden	118,070	107,206	99,085
Sugar and tropical products	103,130	82,044	84,075
Sugar and related products	18,464	19,669	21,907
Sugar, cane or beet	1,157	249	279
Related sugar product	17,307	19,420	21,629
Coffee	15,007	10,406	13,469
Cocoa	17,058	13,734	10,481
Chocolate and prep	23,554	19,886	20,208
Tea, including herbal	25,790	14,416	15,238
Spices	1,855	1,967	1,603
Rubber, crude	1,390	1,941	1,084
Fibers, excluding cotton	11	25	85
Other hort products	238,212	197,173	216,279
Hops, including extract	15,332	16,448	12,882
Starches, not wheat/corn	549	509	873
Yeasts	5,777	4,792	4,077
Misc hort products	216,554	175,424	198,447
Nursery and greenhouse	4,914	6,332	5,639
Beverages, excluding juice	25,288	24,578	18,761

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 2014–2016 ¹

Country	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Mexico	18,877,834	20,679,945	22,506,716
Canada	22,845,284	22,390,965	21,431,150
European Union-28	18,741,313	19,707,999	20,396,674
China	4,339,834	4,330,670	4,253,999
Australia(*)	3,344,985	4,653,356	3,382,255
Brazil	3,674,567	3,534,301	3,301,426
Chile	2,743,598	2,808,419	3,021,738
Indonesia	3,093,722	2,911,922	2,802,810
New Zealand(*)	2,460,598	2,995,954	2,579,569
Thailand	2,241,520	2,292,687	2,297,095
Colombia	2,358,326	2,472,105	2,292,031
India	2,971,673	2,951,666	2,096,398
Vietnam	1,658,555	1,876,592	1,996,122
Guatemala	1,825,728	1,944,112	1,877,140
Peru	1,556,814	1,589,286	1,742,122
Costa Rica	1,552,097	1,503,198	1,595,778
Argentina	1,566,506	1,457,103	1,418,294
Switzerland(*)	1,095,381	1,277,656	1,333,248
Ecuador	1,074,953	1,213,379	1,200,540
Philippines	1,099,017	1,179,250	1,085,170
Malaysia	1,501,903	1,251,366	1,063,066
Cote d'Ivoire	1,136,841	918,270	1,005,375
Turkey	784,268	736,583	984,620
Honduras	600,522	665,777	746,226
Japan	556,219	554,278	615,822
Nicaragua	503,699	607,361	564,742
Korea, South	441,933	472,379	499,320
Dominican Republic	367,630	423,188	401,872
Israel(*)	344,429	337,735	368,921
Taiwan	332,010	344,888	324,014
Uruguay	264,866	390,116	313,138
South Africa	260,758	273,623	280,970
Ghana	211,002	216,796	252,868
El Salvador	206,212	248,548	225,131
Madagascar	79,618	126,696	178,647
Morocco	164,842	181,152	178,069
Sri Lanka	110,588	174,190	160,550
Ethiopia(*)	114,115	146,932	145,839
Kenya	99,266	144,132	128,468
Tunisia	78,115	190,820	124,619
Bolivia	206,949	150,102	114,205
Egypt	96,298	109,135	108,650
Pakistan	113,014	120,697	106,030
Jamaica	81,565	95,700	101,525
Hong Kong	84,591	94,646	101,066
Paraguay	170,688	111,248	100,762
Norway(*)	84,817	83,888	90,274
Singapore	101,848	116,834	80,837
Ukraine	47,194	160,408	77,821
Papua New Guinea	80,817	82,418	75,763
Other countries	909,536	934,611	907,287
Total U.S. Agricultural Imports ²	109,258,458	114,235,082	113,036,772

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, 2007–2016

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>
2007	10,279	285,430	106,527	402,236
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	361,756	142,006	515,619
2012	10,996	350,066	132,840	493,901
2013	13,627	376,866	133,519	524,013
2014	14,294	377,157	135,134	526,585
2015	13,474	328,281	121,409	463,165
2016	10,136	323,657	96,223	430,017

¹Data 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: 2011–2015 ¹

Species	Landings				
	2011	2012	2013	2014	2015
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Fish:					
Cod, Atlantic	18	11	5	5	3
Flounder	707	703	717	713	555
Haddock	13	4	4	10	12
Halibut	43	34	30	23	24
Herring, sea	276	270	298	309	246
Jack mackerel	0	*	2	4	3
Menhaden	1,875	1,771	1,466	1,256	1,618
Ocean perch, Atlantic	4	8	7	10	11
Pollock	2,827	2,872	3,003	3,145	3,263
Salmon, Pacific	780	636	1,069	720	1,066
Tuna	50	60	56	59	57
Whiting (silver hake)	17	16	14	16	14
Shellfish:					
Clams (meats)	86	91	91	91	86
Crabs	369	367	332	295	326
Lobsters, American	126	150	149	148	146
Oysters (meats)	29	33	35	34	27
Scallops (meats)	59	57	41	34	36
Shrimp	313	303	283	295	327
	Value				
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Fish:					
Cod, Atlantic	33	22	10	9	6
Flounder	160	177	198	175	144
Haddock	16	8	6	11	13
Halibut	213	152	117	115	119
Herring, sea	38	49	49	42	32
Jack mackerel	(²)	(²)	(²)	(²)	(²)
Menhaden	144	128	129	117	166
Ocean perch, Atlantic	3	6	4	6	6
Pollock	363	343	406	400	442
Salmon, Pacific	618	489	757	617	460
Tuna	136	164	146	135	138
Whiting (silver hake)	11	10	9	11	10
Shellfish:					
Clams (meats)	187	193	209	215	206
Crabs	650	681	714	686	679
Lobsters, American	424	429	460	567	617
Oysters (meats)	132	155	193	240	214
Scallops (meats)	587	561	470	428	440
Shrimp	518	490	565	681	488

*Total is less than the weight threshold. ¹Landings 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. ²Less than \$500,000.

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, 2011–2015

Product	Production				
	2011	2012	2013	2014 ²	2015
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Fish fillets ¹	775	692	783	816	760
Cod	66	64	72	79	68
Flounder	18	16	14	17	12
Haddock	26	11	11	14	14
Ocean perch, Atlantic	1	1	1	2	1
Rockfish	2	2	2	2	3
Pollock, Atlantic	2	2	2	2	1
Pollock, Alaska	461	415	473	479	461
Other	199	181	181	221	200
	Value				
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Fish fillets ¹	1,773	1,844	2,230	2,361	2,051
Cod	173	216	245	266	271
Flounder	55	51	62	63	51
Haddock	101	54	56	69	65
Ocean perch, Atlantic	5	4	5	5	4
Rockfish	6	8	5	7	9
Pollock, Atlantic	7	8	8	7	5
Pollock, Alaska	568	643	715	712	625
Other	858	861	1,134	1,232	1,020

¹ Fresh and frozen. ² Data for 2014 has been revised.
 U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-11.—Canned fishery products: Production and value, 2011–2015

Product	Production				
	2011	2012	2013	2014	2015
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Tuna ¹	385	387	384	391	400
Salmon	148	120	203	89	168
Clam products ²	106	72	73	77	120
Sardines, Maine	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Shrimp ³	(⁴)	(⁴)	(⁴)	1	(⁴)
Crabs	1	(⁵)	(⁵)	(⁵)	(⁵)
Oysters	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total ⁶	947	881	964	733	1,003
	Value				
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Tuna ¹	769	886	852	783	773
Salmon	377	410	572	354	355
Clam products ²	100	66	90	74	147
Sardines, Maine	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Shrimp ⁴	(⁴)	(⁴)	(⁴)	4	(⁴)
Crabs	(⁵)	2	(⁵)	(⁵)	(⁵)
Oysters	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total ⁶	1,476	1,615	1,780	1,376	1,520

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 Less than 500,000 pounds or \$500,000. ⁶ 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, 2014–2015 by area

Area	1977 ¹			2014		2015	
	Fishermen	Fishing vessels	Fishing boats ²	Total catch	Value	Total catch	Value
	1,000	Number	1,000	Million pounds	Million dollars	Million pounds	Million dollars
New England States	31.7	929	15.4	643	1,199	591	1,239
Middle Atlantic States	17.3	573	11.3	601	471	642	511
South Atlantic States	11.6	1,463	6.7	104	185	109	214
Gulf States	29.3	5,328	11.0	1,205	989	1,535	816
Pacific Coast States	54.0	7,643	15.4	6,884	2,481	6,791	2,296
Great Lakes States	1.2	217	0.5	16	21	15	22
Hawaii	2.7	101	1.3	33	101	35	103
United States	182.1	17,545	89.2	9,486	5,448	9,718	5,203

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. 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, 2006–2015

Year	Quantity ¹			Ex-vessel value	Average price per lb.
	Total	For human food	For industrial products ²		
	Million pounds	Million pounds	Million pounds	Million dollars	Cents
2006	9,483	7,842	1,641	4,024	42.4
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

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, 2011–2015¹

Disposition	2011	2012	2013	2014	2015
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Fresh and frozen	7,817	7,541	8,009	7,916	7,622
Canned	371	299	365	196	364
Cured	52	82	45	63	65
Reduced to meal, oil, etc	1,618	1,712	1,451	1,311	1,667
Total	9,858	9,634	9,870	9,486	9,718

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 2011–2015²

Item	2011	2012	2013	2014	2015
	Million pounds				
For human food	18,732	18,066	18,572	19,115	18,848
Finfish	13,644	13,159	13,787	14,061	13,862
Shellfish ³	5,088	4,906	4,786	5,054	4,986
For industrial use	2,374	2,692	2,416	2,317	2,579
Domestic catch	9,858	9,634	9,870	9,486	9,718
Percent of total	46.7	46.4	47	44	45
For human food	7,909	7,477	8,043	7,828	7,750
Finfish	6,540	6,163	6,777	6,588	6,621
Shellfish ³	1,369	1,314	1,266	1,240	1,129
For industrial use	1,949	2,157	1,827	1,658	1,968
Imports ⁴	11,248	11,123	11,118	11,945	11,709
Percent of total	53.3	53.6	53	56	55
For human food	10,823	10,588	10,529	11,286	11,098
Finfish	7,104	6,996	7,009	7,473	7,241
Shellfish ³	3,719	3,592	3,520	3,814	3,857
For industrial use ⁵	425	535	589	659	611
Total	21,106	20,757	20,988	21,431	21,427

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, 2013–2015¹

Item	Production			Value		
	2013	2014	2015	2013	2014	2015
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Fresh and frozen:						
Fillets	775	816	767	2,186	2,361	2,051
Steaks	8	6	6	44	31	30
Fish sticks	58	67	66	87	101	96
Fish portions	147	153	153	256	265	282
Breaded shrimp	109	105	108	311	315	380
Canned products ²	964	733	1,003	1,780	1,377	1,520
Fish and shellfish	662	562	714	1,534	1,227	1,303
Animal feed	302	171	289	246	150	216
Industrial products	(X)	(X)	(X)	479	591	699
Meal and scrap	508	515	611	242	300	397
Oil (body and liver)	176	139	140	57	85	97
Other	(X)	(X)	(X)	180	206	205

(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, 2013–2015¹

Product	Quantity		
	2013	2014	2015
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Imports			
Edible	5,513	5,565	5,738
Fresh and frozen	4,652	4,698	4,847
Salmon ²	225	214	266
Tuna	412	317	343
Groundfish fillets, blocks ³	328	388	340
Other fillets and steaks	1,293	1,340	1,371
Scallops (meats)	60	59	48
Lobster, American and spiny	111	117	125
Shrimp and prawn	1,108	1,245	1,282
Canned	682	688	698
Sardines, in oil	26	27	29
Sardines and herring, not in oil ...	38	44	40
Tuna	347	342	313
Oysters	10	9	11
Pickled or salted	58	52	56
Cod, haddock, hake, pollock, cusk	8	8	7
Nonedible scrap and meal	105	118	110
Exports			
Canned salmon	100	95	87
Fish oil, nonedible	152	177	121
Product	Value		
	2013	2014	2012
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Imports			
Edible	18,102	20,256	18,798
Fresh and frozen	15,723	17,817	16,404
Salmon ²	712	699	750
Tuna	841	709	695
Groundfish fillets, blocks ³	783	848	735
Other fillets and steaks	3,932	4,440	4,153
Scallops (meats)	366	389	345
Lobster, American and spiny	928	1,073	1,161
Shrimp and prawn	5,240	6,658	5,398
Canned	1,838	1,890	1,811
Sardines, in oil	69	68	73
Sardines and herring, not in oil ...	56	64	59
Tuna	762	667	577
Oysters	30	26	32
Pickled or salted	106	96	97
Cod, haddock, hake, pollock, cusk	22	19	15
Nonedible scrap and meal	73	87	92
Exports			
Canned salmon	229	208	197
Fish oil, nonedible	147	166	144

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, 2006–2015 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>
2006	27,712	5,401	13,355	14,357	17,760	2,967	4,238	13,522
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	12,580	22,386	2,733	4,389	17,997
2011	30,943	5,349	16,618	14,326	26,183	3,265	5,442	20,742
2012	31,108	5,384	16,691	14,417	27,388	3,254	5,470	21,917
2013	33,254	5,514	18,102	15,151	29,116	3,324	5,584	23,533
2014	35,906	5,565	20,256	15,651	29,974	3,402	5,754	24,221
2015	34,311	5,738	18,798	15,513	28,396	3,141	5,567	22,829

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, 2012–2015

Subregion	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
North Atlantic	6,164	6,286	6,651	5,036
Mid-Atlantic	14,434	14,217	14,347	12,421
South Atlantic ¹	17,793	16,618	17,646	16,539
Gulf	24,331	26,384	22,125	20,768
Total	62,722	63,505	60,769	54,764
Subregion	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Pacific: ²				
Southern California	3,862	3,781	3,718	2,470
Northern California	1,574	1,584	1,482	1,235
Oregon	187	214	235	214
Washington	143	144	191	173
Hawaii	1,520	1,513	1,375	1,431
Alaska	473	595	583	632
Total	7,759	7,831	7,584	6,155

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. U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-20.—Fish harvested: Estimated number of fish harvested by marine recreational anglers by subregion and year, Atlantic, Gulf Coasts, and Pacific Coasts, 2012–2015

Subregion	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
North Atlantic	11,099	13,064	13,088	11,208
Mid-Atlantic	22,015	25,851	25,262	20,148
South Atlantic ¹	29,632	36,211	35,309	33,312
Gulf	65,015	82,018	68,137	71,814
Total	127,761	157,144	141,796	136,482
Pacific: ²				
Southern California	5,717	5,134	5,159	4,683
Northern California	2,365	2,875	3,155	3,706
Oregon	451	526	613	671
Washington	531	582	614	586
Hawaii	2,763	3,651	3,720	4,642
Alaska	1,203	1,572	1,471	1,611
Total	13,030	14,340	14,732	15,899

Note: "Harvested" includes dead discards and fish used for bait but does not include fish released alive; totals may not match due to rounding.

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.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-21.—Fish harvested: Estimated number of fish harvested by marine recreational anglers by mode and year, Atlantic, Gulf Coasts, and Pacific Coasts, 2012–2015

Mode	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf: ¹				
Shore	40,258	49,377	49,747	40,840
Party/charter ²	10,921	12,213	11,436	12,065
Private/rental	76,582	95,554	80,613	83,577
Total	127,761	157,144	141,796	136,482
Pacific: ²				
Shore	5,426	5,773	5,066	6,614
Party/charter	3,417	3,626	4,399	3,773
Private/rental	2,984	3,369	3,796	3,901
Total	11,827	12,768	13,261	14,288

Note: "Harvested" includes dead discards and fish used for bait but does not include fish released alive; totals may not match due to rounding.

¹ Does not include trips from headboats (party boats) in the South Atlantic or Gulf of Mexico. ² Data do not include recreational trips in Alaska. Pacific state estimates do not include salmon data collected by recreational surveys.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-22.—Fish harvested: Estimated number of fish harvested by marine recreational anglers by species group and year, Atlantic and Gulf coasts, 2012–2015 ¹

Species group	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic Cod	338	391	282	57
Atlantic Croaker	7,193	9,438	8,663	6,803
Atlantic Mackerel	3,282	3,717	3,273	5,144
Black Drum	1,126	1,431	617	463
Black Sea Bass	2,408	1,716	2,626	2,528
Blue Runner	998	2,955	3,190	2,213
Conger Eels	1	22	1	2
Creville Jack	319	756	714	603
Cunner	23	99	71	38
Epinephelus Groupers	322	480	294	307
Florida Pompano	385	858	395	463
Freshwater Catfishes	708	461	623	824
Gray Snapper	1,297	2,230	2,558	1,885
Greater Amberjack	90	93	91	115
Gulf Flounder	335	364	327	225
King Mackerel	443	400	506	483
Kingfishes	5,978	7,120	6,741	5,711
Lane Snapper	206	368	372	334
Little Tunny/Atlantic Bonito	374	319	307	400
Moray Eels	-	-	-	-
Mycteroperca Groupers	188	278	156	149
Pigfish	876	697	716	981
Pinfishes	5,320	5,064	6,193	5,008
Pollock	208	568	376	234
Red Drum	3,518	4,896	1,473	1,431
Red Hake	76	103	187	40
Red Porgy	274	537	479	407
Red Snapper	633	1,308	519	634
Saltwater Catfishes	1,034	843	309	329
Sand Seatrout	5,191	3,344	2,134	2,753
Scup	3,670	5,040	4,400	4,207
Sheepshead	2,126	1,971	1,874	1,522
Silver Perch	504	147	270	207
Skates/Rays	44	72	71	71
Southern Flounder	1,249	1,503	655	532
Spanish Mackerel	2,672	4,472	2,592	2,395
Spot	4,759	8,156	8,712	6,149
Spotted Seatrout	15,413	13,883	3,515	4,044
Striped Bass	1,492	2,194	1,778	1,253
Striped Mullet	4,882	3,545	2,686	2,214
Summer Flounder	2,277	2,530	2,456	1,622
Tautog	495	539	1,040	545
Vermilion Snapper	365	835	940	774
Weakfish	236	137	84	111
White Grunt	1,825	2,184	2,371	1,526
White Perch	1,907	2,582	1,267	1,527
Winter Flounder	98	51	135	61
Yellowtail Snapper	439	818	820	762
Other Barracudas	93	84	134	125
Other Bluefish	5,640	6,021	6,095	4,148
Other Cods/Hakes	233	312	267	247
Other Dolphins	1,132	1,151	985	1,566
Other Drum	60	394	245	275
Other Eels	38	11	7	11
Other Flounders	108	123	151	121
Other Grunts	360	960	851	375
Other Harrings	22,165	31,202	32,315	35,722
Other Jacks	1,404	2,021	1,768	2,973
Other Mulletts	4,175	6,419	4,788	5,311
Other Porgies	313	344	408	376
Other Puffers	708	494	123	917
Other Sculpins	-	3	3	3
Other Sea Basses	132	141	344	137
Other Searobins	120	354	137	237
Other Sharks	158	269	218	152
Other Snappers	124	142	159	151
Other Temperate Basses	-	-	-	2
Other Toadfishes	17	42	37	11
Other Triggerfishes/Filefishes	266	334	324	195
Other Tunas/Mackerels	545	595	485	335
Other Wrasses	203	174	193	289
Other fishes	2,170	4,039	11,900	12,717
Total²	127,761	157,144	141,796	136,482

Note: "Harvested" includes dead discards and fish used for bait but does not include fish released alive.
 - Represents zero. ¹ Data do not include headboats (party boats) in the South Atlantic and the Gulf of Mexico. ² Totals may not add due to rounding.
 U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division (301) 427-8103.

Table 15-23.—Fish harvested: Estimated number of fish harvested by marine recreational anglers by species group and year, Pacific coast, 2012–2015¹

Species group	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Albacore	-	-	1	-
Barred Sand Bass	152	64	69	72
Barred Surfperch	544	368	566	763
Bigeye Scad	347	810	731	1,036
Bigeye Trevally	2	3	5	-
Bigscale Soldierfish	8	11	24	32
Black Perch	42	33	24	15
Black Rockfish	718	1,037	1,005	971
Blackspot Sergeant	29	12	13	10
Blacktail Snapper	31	23	16	13
Blue Rockfish	162	276	343	445
Bluefin Trevally	60	88	107	104
Bluestripe Snapper	22	21	87	34
Bocaccio	210	186	187	136
Brown Rockfish	132	138	220	151
Cabezon	32	28	32	34
California Corbina	9	6	6	6
California Halibut	38	23	23	14
California Sheephead	31	48	40	27
Canary Rockfish	52	45	58	66
Chilipepper Rockfish	37	31	55	30
Chub Mackerel	837	572	1,016	1,681
Conger Eels	6	3	3	-
Convict Tang	141	109	65	91
Copper Rockfish	118	159	155	174
Giant Trevally	36	34	28	49
Goldring Surgeonfish	136	95	123	35
Gopher Rockfish	136	101	139	127
Greater Amberjack	3	2	3	2
Green Jobfish	30	8	19	22
Greenspotted Rockfish	52	32	29	28
Halfmoon	26	37	21	15
Hawaiian Flagtail	105	143	110	138
Hawaiian Hogfish	6	4	8	2
Highfin Ruddertfish	21	7	6	9
Island Jack	8	10	9	9
Jacksnelt	239	248	200	273
Kawakawa	6	5	46	32
Kelp Bass	130	54	116	85
Kelp Greenling	34	36	28	34
Lingcod	228	289	321	378
Mackerel Scad	260	79	166	210
Manybar Goatfish	41	23	43	26
Moray Eels	6	8	3	10
Northern Anchovy	54	356	178	124
Olive Rockfish	68	50	78	106
Opaleye	41	31	40	24
Pacific Barracuda	50	18	27	23
Pacific Bonito	-	9	165	182
Pacific Cod	42	38	61	58
Pacific Hake	-	-	-	-
Pacific Herring	184	128	39	7
Pacific Tomcod	-	-	-	-
Pile Perch	10	8	5	4
Pink Snapper	47	46	42	23
Queenfish	66	34	22	9
Quillback Rockfish	14	7	5	9
Razortishes	94	63	32	49
Redtail Surfperch	50	39	45	64
Rock Sole	1	-	-	-
Sanddabs	439	602	889	313
Shiner Perch	72	59	113	68
Silver Surfperch	16	21	30	123
Skates/Rays	5	7	4	4
Skipjack Tuna	197	380	199	268
Smallmouth Bonefish	27	23	30	26
Spiny Dogfish	-	1	-	-
Spotted Sand Bass	23	5	3	4
Squirrel Fishes	3	1	3	1
Starry Flounder	-	-	1	-
Striped Bass	14	7	29	51
Striped Mullet	16	34	27	24

See footnote(s) at end of table.

Table 15-23.—Fish harvested: Estimated number of fish harvested by marine recreational anglers by species group and year, Pacific coast, 2012–2015¹—Continued

Species group	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Striped Seaperch	24	34	36	44
Surf Smelt	4	-	6	10
Unicornfishes	10	5	12	13
Wahoo	31	36	43	55
Walleye Surfperch	149	144	70	42
White Croaker	85	73	77	48
White Seaperch	17	7	12	8
Whitemouth Trevally	-	-	-	-
Whitesaddle Goatfish	11	4	7	5
Whitetail Soldierfish	3	3	-	7
Widow Rockfish	10	40	36	13
Yellowfin Tuna	182	150	219	292
Yellowstripe Goatfish	96	791	379	758
Yellowtail	13	16	158	130
Yellowtail Rockfish	169	175	207	261
Other Anchovies	61	19	1	-
Other Barracudas	9	2	6	8
Other Cods/Hakes	-	-	-	-
Other Damselishes	27	20	16	3
Other Dolphins	163	94	92	78
Other Drum	140	92	58	45
Other Flounders	417	485	434	445
Other Goatfishes	11	54	109	263
Other Greenlings	14	1	8	1
Other Groupers	10	10	16	3
Other Herrings	849	634	89	58
Other Jacks	36	38	49	163
Other Mulletts	9	39	48	40
Other Rockfishes	1,481	1,581	1,534	1,465
Other Sablefishes	18	18	12	23
Other Scorpionfishes	260	245	272	170
Other Sculpins	13	14	3	3
Other Sea Basses	-	-	1	1
Other Sea Chubs	16	33	39	27
Other Sharks	11	17	6	11
Other Silversides	195	207	221	173
Other Smelts	94	50	17	86
Other Snappers	67	55	58	28
Other Soldierfishes	2	45	54	19
Other Sturgeons	-	-	-	-
Other Surfperches	98	89	85	88
Other Surgeonfishes	68	63	77	79
Other Tunas/Mackerels	173	152	240	292
Other Wrasses	29	23	16	22
Other fishes	1,159	1,506	1,573	1,666
Total²	13,030	14,340	14,732	15,899

- Represents zero. ¹ Pacific estimates do not include salmon data collected by state recreational surveys. ² Totals may not add exactly due to rounding.
 Note: "Harvested" includes dead discards and fish used for bait but does not include fish released alive.
 U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-24.—Fish harvested: Estimated number of fish harvested by marine recreational anglers, by area of fishing and year, Atlantic and Gulf and Pacific Coast, 2012–2015

Area	2012	2013	2014	2015
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf: ¹				
Inland	84,359	95,700	81,158	75,749
State Territorial Sea ²	32,318	46,282	39,338	40,190
Federal Exclusive Economic Zone ³	11,084	15,162	15,026	13,276
Total	127,761	157,144	141,796	136,482
Pacific: ⁴				
Inland	1,147	1,061	1,218	1,719
State Territorial Sea ²	8,634	9,719	9,750	10,385
Federal Exclusive Economic Zone ³	2,046	1,988	2,293	2,184
Total	11,827	12,768	13,261	14,288

Note: "Harvested" includes dead discards and fish used for bait but does not include fish released alive.
¹ Data does not include trips from headboats (party boats) in the South Atlantic or the Gulf of Mexico. ² Open Ocean extending 0 to 3 miles from shore, except West Florida (10 miles). ³ Open ocean extending to 200 miles offshore from the outer edge of the State Territorial Seas. ⁴ Does not include recreational catch from Alaska. Pacific estimates do not include salmon data collected by recreational surveys.
 U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427-8103.

Table 15-25.—Catfish production: Water surface acre usage by State and United States, 2016–2017

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
2016						
Alabama	14,500	260	30	260	(D)	310
Arkansas	3,300	1,400	230	270	20	175
California	1,100	190	60	135	-	(D)
Mississippi	26,700	6,200	1,300	2,300	65	710
North Carolina	1,100	70	(D)	65	(D)	(D)
Texas	1,800	80	100	140	(D)	690
Other States ¹	1,315	555	190	100	115	220
United States	49,815	8,675	1,910	3,270	200	2,105
2017						
Alabama	14,700	100	10	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	65	50	(D)	320
Other States ¹	1,090	510	180	30	235	285
United States	49,120	7,495	1,880	2,045	835	2,725

- 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 15-26.—Catfish: Number of operations and water surface acres used for production, 2016–2017, and total sales, 2015–2016, by State and United States

State	Water surface acres used for production during Jan 1 - July 30		Total sales	
	2016	2017	2015	2016
	Acres	Acres	1,000 dollars	1,000 dollars
Alabama	15,000	15,000	108,866	119,989
Arkansas	5,000	5,000	18,456	19,086
California	1,400	1,300	5,774	5,230
Mississippi	36,100	34,400	201,450	213,372
North Carolina	1,300	1,200	3,878	4,164
Texas	2,000	1,900	18,123	17,722
Other States ¹	2,240	1,990	7,063	6,422
United States	63,040	60,790	363,610	385,985

¹ Other States include State estimates not shown and States suppressed due to disclosure. NASS, Livestock Branch, (202) 720-3570.

Table 15-27.—Catfish: Sales by size category, by State and United States, 2015–2016

Size category and State	Number of fish		Live weight		Sales			
	2015	2016	2015	2016	Total		Average price per pound	
					2015	2016	2015	2016
	1,000	1,000	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	Dollars	Dollars
Foodsize:								
Alabama	63,000	62,300	107,500	109,000	108,575	119,900	1.01	1.10
Arkansas	9,560	10,300	14,500	16,300	15,225	16,952	1.05	1.04
California	1,050	1,150	2,200	1,640	5,632	5,051	2.56	3.08
Mississippi	110,000	105,000	171,700	172,000	190,587	196,080	1.11	1.14
North Carolina	2,120	1,930	3,250	3,500	3,803	4,060	1.17	1.16
Texas	7,880	8,020	15,600	15,400	17,940	17,402	1.15	1.13
Other States ¹	1,900	1,880	2,694	2,334	4,618	3,953	1.71	1.69
United States	195,510	190,580	317,444	320,174	346,380	363,398	1.09	1.14
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)
Mississippi	33,400	(D)	3,650	(D)	109	(D)	1.29	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States ¹	28,145	30,795	3,015	3,444	107	(D)	1.38	1.59
United States	61,545	30,795	6,665	3,444	108	112	1.33	1.59
Fingerlings and fry:								
Alabama	690	400	15	16	115	86	7.65	5.35
Arkansas	9,870	15,800	262	472	383	1,416	1.46	3.00
California	670	780	9	11	63	103	6.95	9.35
Mississippi	101,000	165,000	3,600	6,650	5,724	13,766	1.59	2.07
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States ¹	18,840	12,550	648	460	1,532	1,542	2.36	3.35
United States	131,070	194,530	4,534	7,609	7,817	16,913	1.72	2.22
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	-	-	-	-	-	-	-	-
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States ¹	65	30	342	143	537	197	1.57	1.38
United States	65	30	342	143	537	197	1.57	1.38

- 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 15-28.—Trout: Value of fish sold and distributed, by State (excluding eggs), and United States (including and excluding eggs), 2015–2016

State	Total value of fish sold		Total value of distributed fish	
	2015	2016	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Arkansas	-	-	2,612	3,198
California	5,390	3,958	7,761	9,952
Colorado	2,045	2,196	8,918	6,339
Georgia	483	406	1,075	1,266
Idaho	49,362	50,298	10,198	11,111
Michigan	1,347	1,360	2,629	5,106
Missouri	2,518	2,686	3,342	2,614
New York	636	617	2,835	3,361
North Carolina	8,469	8,563	(D)	(D)
Oregon	(D)	(D)	9,476	9,547
Pennsylvania	6,122	5,909	10,317	13,124
Utah	630	633	7,706	10,239
Virginia	1,610	1,442	1,464	1,365
Washington	(D)	(D)	19,453	18,053
West Virginia	1,052	1,231	(D)	(D)
Wisconsin	1,462	1,558	2,837	2,699
Other States ¹	23,267	24,084	28,558	33,232
United States				
Value excluding eggs	104,393	104,941	119,181	131,206
Value including eggs	113,099	113,862	(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 15-29.—Trout: Egg Sales, United States, 2013–2016

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>
2013	445,805	19.40	8,639
2014	427,125	20.50	8,774
2015	431,475	20.20	8,706
2016	422,904	21.10	8,921

¹ Total sales may not add due to rounding.
NASS, Livestock Branch, (202) 720-3570.

Table 15-30.—Trout: Sales by size category, by State and United States, 2015–2016

Size category and State	Number of fish		Live weight		Sales			
	2015	2016	Total ¹		Total ²		Average price per pound	
			2015	2016	2015	2016	2015	2016
	1,000	1,000	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	Dollars	Dollars
12 inch or longer:								
Arkansas	-	-	-	-	-	-	-	-
California	1,350	(D)	1,600	(D)	5,056	(D)	3.16	(D)
Colorado	310	380	405	441	1,770	1,923	4.37	4.36
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	32,700	33,000	39,100	39,700	48,875	50,022	1.25	1.26
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missouri	730	760	767	734	1,818	1,879	2.37	2.56
New York	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	3,220	3,960	3,700	4,400	7,807	7,656	2.11	1.74
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	910	980	1,050	1,090	5,156	4,949	4.91	4.54
Utah	90	100	113	128	444	436	3.93	3.41
Virginia	590	460	567	427	1,435	1,204	2.53	2.82
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	550	630	464	569	984	1,223	2.12	2.15
Wisconsin	440	(D)	414	(D)	1,399	(D)	3.38	(D)
Other States ³	4,460	6,035	9,767	11,598	21,693	27,742	2.22	2.39
United States	45,350	46,305	57,947	59,087	96,437	97,034	1.66	1.64
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	80	95	37	39	194	188	5.25	4.82
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	240	(D)	91	(D)	376	(D)	4.13	(D)
Pennsylvania	420	500	176	196	906	894	5.15	4.56
Utah	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	1,630	(D)	605	(D)	1,779	(D)	2.94	(D)
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	(D)	65	(D)	21	(D)	86	(D)	4.10
Other States ³	2,530	5,280	924	1,443	3,167	5,448	3.43	3.78
United States	4,900	5,940	1,833	1,699	6,422	6,616	3.50	3.89
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	145	120	6	4	60	66	416	551
Utah	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	105	(D)	2	(D)	40	(D)	382
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States ³	8,325	5,650	218	129	1,474	1,185	177	210
United States	8,470	5,875	224	135	1,534	1,291	181	220

- 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 15-31.—General storages: Gross and usable cooler and freezer space, by State and United States, October 1, 2015¹

State	Cooler		Refrigerated		Total	
	Gross	Usable	Gross	Usable	Gross	Usable
1,000 Cubic Feet						
Alabama	2,591	2,307	33,948	28,647	36,539	30,954
Alaska	945	777	2,700	2,318	3,645	3,095
Arizona	3,735	2,895	15,007	12,268	18,742	15,164
Arkansas	(D)	(D)	(D)	(D)	92,854	80,114
California	222,017	177,718	347,919	290,112	569,936	467,830
Colorado ..	(D)	(D)	(D)	(D)	28,251	23,284
Connecticut	(D)	(D)	(D)	(D)	6,018	5,099
Delaware	(D)	(D)	(D)	(D)	30,249	23,164
Florida	108,106	82,011	177,493	148,112	285,598	230,123
Georgia	61,467	49,664	188,738	156,185	250,205	205,849
Hawaii	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	(D)	(D)	(D)	60,728	49,231
Illinois	27,944	23,833	172,350	137,973	200,294	161,806
Indiana	(D)	(D)	(D)	(D)	113,995	95,711
Iowa	22,094	16,519	69,155	57,681	91,249	74,199
Kansas	7,588	4,913	39,972	29,451	47,560	34,364
Kentucky	1,710	1,534	22,694	19,389	24,404	20,923
Louisiana	943	812	14,741	10,642	15,684	11,454
Maine	(D)	(D)	(D)	(D)	9,729	7,182
Maryland	4,758	4,198	34,770	29,256	39,528	33,454
Massachusetts	12,432	10,147	82,595	71,039	95,028	81,185
Michigan	12,355	9,900	89,543	72,943	101,898	82,842
Minnesota	23,898	16,407	69,665	57,082	93,563	73,489
Mississippi	(D)	(D)	(D)	(D)	15,630	12,123
Missouri	24,185	20,467	87,913	76,713	112,098	97,180
Montana	507	408	724	578	1,231	986
Nebraska	5,219	2,808	49,028	38,650	54,247	41,459
Nevada	(D)	(D)	(D)	(D)	8,835	8,432
New Hampshire	(D)	(D)	(D)	(D)	10,552	8,432
New Jersey	58,794	51,734	108,728	94,475	167,522	146,209
New Mexico	(D)	(D)	(D)	(D)	5,336	3,711
New York	34,917	28,290	67,772	57,653	102,689	85,943
North Carolina	4,303	3,236	59,729	42,954	64,032	46,190
North Dakota	(D)	(D)	(D)	(D)	10,325	7,800
Ohio	6,067	5,054	73,514	61,265	79,581	66,318
Oklahoma	(D)	(D)	(D)	(D)	14,498	12,103
Oregon	14,713	12,253	119,656	98,365	134,369	110,618
Pennsylvania	43,848	35,149	198,097	174,525	241,945	209,674
Rhode Island	(D)	(D)	(D)	(D)	(D)	(D)
South Carolina	(D)	(D)	(D)	(D)	27,738	21,628
South Dakota	(D)	(D)	(D)	(D)	11,673	7,125
Tennessee	(D)	(D)	(D)	(D)	67,732	60,156
Texas	62,338	53,156	190,371	152,460	252,709	205,616
Utah	12,038	10,675	34,492	27,400	46,530	38,075
Vermont	(D)	(D)	(D)	(D)	3,683	2,214
Virginia	17,752	13,993	60,655	53,071	78,406	67,064
Washington	23,474	18,905	187,735	151,115	211,209	170,020
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	91,682	71,506	130,005	109,866	221,687	181,372
Wyoming	-	-	-	-	-	-
United States	973,079	779,301	3,195,842	2,644,645	4,168,921	3,423,944

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. ¹Totals may not add due to rounding.

NASS, Livestock Branch, (202) 720-4751.

Table 15-32.—Refrigerated warehouses: Gross refrigerated space by type of warehouse, United States, biennially, October 2007–2015^{1 2}

Type	2007	2009	2011	2013	2015
1,000 Cubic Feet					
General:					
Public	2,498,198	2,900,511	3,028,243	3,076,959	3,138,463
Private and Semiprivate	821,998	894,463	931,117	978,426	1,030,460
Total	3,320,194	3,794,974	3,959,354	4,055,385	4,168,921
Apple ³ :					
Public	8,170	23,474	.....	.....	.....
Private and Semiprivate	683,798	613,118	.....	.....	.....
Total	691,968	636,593	.....	.....	.....
Total, all	4,012,162	4,431,567	.....	.....	.....

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. ³ Apple discontinued in 2011. NASS, Livestock Branch, (202) 720-4751.

Table 15-33.—Alaska crops: Acreage harvested, volume harvested, and value of production, 2007–2016

Year	Oats for grain	Barley for grain	All hay	Potatoes	All vegetables ¹
Acreage harvested					
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
2007	1,000	3,900	23,000	870	326
2008	500	3,400	18,000	780	347
2009	900	4,400	20,000	740	336
2010	800	4,200	20,000	750	327
2011	1,000	4,800	19,000	720	(NA)
2012	900	4,300	22,000	650	(NA)
2013	400	3,300	20,000	620	(NA)
2014	1,000	5,100	18,000	620	(NA)
2015	1,000	4,300	18,000	540	(NA)
2016	1,200	4,700	22,000	490	(NA)
Volume harvested					
	<i>Bushels</i>	<i>Bushels</i>	<i>Tons</i>	<i>Cwt.</i>	<i>Cwt.</i>
2007	47,000	158,000	31,000	176,000	47,340
2008	13,000	99,000	20,000	135,000	40,197
2009	37,000	183,000	23,000	137,000	43,420
2010	48,000	185,000	24,000	150,000	45,740
2011	80,000	175,000	22,000	134,000	(NA)
2012	59,000	207,000	27,000	140,000	(NA)
2013	15,000	110,000	15,000	130,000	(NA)
2014	57,000	217,000	25,000	155,000	(NA)
2015	47,000	146,000	20,000	140,000	(NA)
2016	74,000	230,000	30,000	147,000	(NA)
Value of production					
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2007	132,000	577,000	8,370,000	3,538,000	3,072,000
2008	39,000	446,000	6,300,000	3,348,000	2,954,000
2009	113,000	814,000	7,130,000	3,315,000	3,155,000
2010	161,000	814,000	7,320,000	3,570,000	3,470,000
2011	276,000	788,000	6,600,000	3,176,000	(NA)
2012	212,000	1,107,000	8,505,000	3,864,000	(NA)
2013	56,000	594,000	5,925,000	3,055,000	(NA)
2014	211,000	1,183,000	9,625,000	3,395,000	(NA)
2015	179,000	796,000	7,400,000	2,884,000	(NA)
2016	274,000	1,196,000	10,200,000	3,308,000	(NA)

(NA) Not available. ¹ Excludes greenhouse-grown vegetables. NASS, Crops Branch, (202) 720-2127.

Table 15-34.—Crop ranking: Major field crops, rank by production, major States, 2016

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	2,740,500	IL	592,950	KS	467,400
2	IL	2,255,650	IA	566,400	ND	332,978
3	NE	1,699,900	MN	389,480	MT	210,875
4	MN	1,544,000	IN	323,725	WA	157,290
5	IN	946,310	NE	314,150	OK	136,500
6	SD	825,930	MO	271,460	SD	111,281
7	KS	698,640	OH	263,780	CO	106,000
8	WI	573,160	SD	255,915	ID	102,795
9	MO	570,500	ND	248,585	TX	89,600
10	OH	524,700	KS	192,480	MN	74,828
	US	15,148,038	US	4,292,086	US	2,308,723
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	467,400	ND	58,118	ND	269,100
2	OK	136,500	MT	31,365	MN	74,340
3	WA	130,260	AZ	9,408	MT	74,160
4	MT	105,350	CA	4,042	SD	47,250
5	CO	105,120	ID	750	ID	34,365
6	TX	89,600	SD	231	WA	27,030
7	NE	70,740			OR	4,437
8	ID	67,680			CO	880
9	SD	63,800			UT	464
10	MI	50,730			NV	201
	US	1,672,582	US	103,914	US	532,227
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	268,450	ID	62,060	SD	9,020
2	TX	144,050	MT	46,800	MN	8,160
3	CO	20,750	ND	42,880	ND	7,260
4	OK	19,000	CO	9,675	WI	6,600
5	NE	17,850	WY	7,872	PA	3,350
6	SD	17,630	WA	7,161	NY	3,300
7	MO	6,798	MN	5,214	IA	3,268
8	LA	6,111	CA	4,500	TX	3,000
9	NM	3,485	PA	2,850	OH	1,850
10	AR	3,256	MD	2,448	KS	1,740
	US	488,476	US	199,914	US	64,770
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	8,133	GA	2,753,400	AR	105,314
2	GA	2,180	AL	619,200	CA	47,394
3	MS	1,081	TX	559,650	LA	28,390
4	AR	840	FL	554,800	MO	15,352
5	CA	747	NC	349,470	MS	13,929
6	AL	706	SC	339,200	TX	13,766
7	OK	617	MS	152,000		
8	TN	575	AR	110,400		
9	MO	566	VA	76,650		
10	AZ	394.5	OK	44,400		
	US	17,170	US	5,581,570	US	224,145
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	12,439	CA	5,040	TX	11,750
2	CA	6,576	ID	4,400	MO	5,330
3	KS	6,240	MT	3,600	KY	5,040
4	MO	6,066	MN	3,400	OK	5,040
5	OK	5,838	SD	3,400	TN	3,870
6	NE	5,748	WI	3,200	KS	3,230
7	KY	5,580	NE	3,113	VA	2,645
8	SD	5,500	KS	3,010	NE	2,635
9	MT	5,130	AZ	2,408	AR	2,400
10	ID	5,126	CO	2,380	PA	2,100
	US	134,781	US	58,263	US	76,518
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	331,800	ND	8,908	ID	139,320
2	KY	136,280	MI	4,002	WA	105,625
3	VA	51,440	MN	3,279	WI	27,840
4	TN	35,690	NE	2,766	OR	22,951
5	GA	28,350	WA	2,631	CO	22,236
6	SC	24,700	ID	2,624	ND	21,600
7	PA	20,460	MT	1,613	MI	17,020
8			CA	1,141	MN	16,800
9			CO	751	ME	15,113
10			WY	733	CA	13,305
	US	628,720	US	28,712	US	441,411

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

Table 15-35.—U.S. crop progress: 2016 crop and 5-year average
[In percent]

Week-end- ing date	Winter wheat							
	Planted		Emerged		Headed		Harvested	
	2015	Avg	2015	Avg	2016	Avg	2016	Avg
2015:								
Sep 6	3	3						
Sep 13	9	9						
Sep 20	19	20						
Sep 27	31	35	7	11				
Oct 4	49	51	20	22				
Oct 11	64	66	33	36				
Oct 18	76	77	49	49				
Oct 25	83	85	62	62				
Nov 1	88	90	72	73				
Nov 8	92	94	80	80				
Nov 15	94	98	87	86				
Nov 22	96	100	90	90				
Nov 29			93	93				
2016:								
Apr 10					4	7		
Apr 17					12	15		
Apr 24					26	24		
May 1					42	34		
May 8					57	44		
May 15					68	56		
May 22					75	66		
May 29					84	76		
Jun 5					91	83	2	10
Jun 12					96	89	11	18
Jun 19							25	28
Jun 26							45	41
Jul 3							58	55
Jul 10							66	65
Jul 17							76	73
Jul 24							83	79
Jul 31							89	86
Aug 7							94	91
Aug 14							97	95
Week-end- ing date	Spring wheat							
	Planted		Emerged		Headed		Harvested	
	2016	Avg	2016	Avg	2016	Avg	2016	Avg
2016:								
Apr 10	13	10						
Apr 17	27	19						
Apr 24	42	28	8	7				
May 1	54	39	22	14				
May 8	77	51	39	25				
May 15	89	64	60	36				
May 22	95	77	78	51				
May 29			88	66				
Jun 5			96	78				
Jun 12								
Jun 19					28	14		
Jun 26					56	27		
Jul 3					74	45		
Jul 10					91	64		
Jul 17					96	81		
Jul 24							10	9
Jul 31							30	18
Aug 7							48	30
Aug 14							65	46
Aug 21							81	62
Aug 28							91	75
Sep 4							94	86
Sep 11							98	93

See footnote(s) at end of table.

Table 15-35.—U.S. crop progress: 2016 crop and 5-year average—Continued
[In percent]

Week-ending date	Rice								
	Planted		Emerged		Headed		Harvested		
	2016	Avg	2016	Avg	2016	Avg	2016	Avg	
2016:									
Apr 3	16	16	7	3					
Apr 10	32	26	12	9					
Apr 17	48	36	19	19					
Apr 24	62	45	38	29					
May 1	72	56	55	39					
May 8	82	68	67	50					
May 15	87	79	76	62					
May 22	93	89	83	73					
May 29	98	96	87	85					
Jun 5			94	91					
Jun 12			99	96					
Jun 19					8	5			
Jun 26					16	10			
Jul 3					20	15			
Jul 10					28	21			
Jul 17					41	30			
Jul 24					57	41			
Jul 31					71	54			
Aug 7					86	68		9	5
Aug 14					94	80		13	9
Aug 21					97	90		15	14
Aug 28								22	21
Sep 4								35	30
Sep 11								50	39
Sep 18								64	49
Sep 25								73	59
Oct 2								82	69
Oct 9								89	78
Oct 16								93	86
Oct 23								97	92

Week-ending date	Corn													
	Planted		Emerged		Silking		Dough		Dented		Mature		Harvested	
	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg
2016:														
Apr 10	4	4												
Apr 17	13	8												
Apr 24	30	16	5	4										
May 1	45	30	13	8										
May 8	64	50	27	17										
May 15	75	70	43	34										
May 22	86	85	60	55										
May 29	94	92	78	75										
Jun 5	98	97	90	86										
Jun 12			96	94										
Jun 19														
Jun 26					6	5								
Jul 3					15	13								
Jul 10					32	26								
Jul 17					56	46								
Jul 24					79	70	13	13						
Jul 31					91	85	30	25						
Aug 7					97	94	53	42	9	12				
Aug 14							73	60	21	21				
Aug 21							85	76	40	35				
Aug 28							92	87	60	52	9	11		
Sep 4							96	94	76	69	18	20		
Sep 11									87	82	33	32	5	7
Sep 18									93	91	53	48	9	12
Sep 25									97	96	73	64	15	19
Oct 2											86	79	24	27
Oct 9											93	88	35	38
Oct 16											97	94	46	49
Oct 23													61	62
Oct 30													75	75
Nov 6													86	85
Nov 13													93	92
Nov 20													97	96

See footnote(s) at end of table.

Table 15-35.—U.S. crop progress: 2016 crop and 5-year average—Continued
[In percent]

Week-ending date	Sorghum										
	Planted		Headed		Coloring		Mature		Harvested		
	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg	
2016:											
Apr 3	13	13									
Apr 10	15	17									
Apr 17	16	21									
Apr 24	20	24									
May 1	23	26									
May 8	30	31									
May 15	33	36									
May 22	37	43									
May 29	44	51									
Jun 5	58	62									
Jun 12	76	75	14	16							
Jun 19	88	86	17	20							
Jul 26	95	93	26	22							
Jul 3			29	24							
Jul 10			31	27	16	19					
Jul 17			39	33	19	23					
Jul 24			49	41	23	26					
Jul 31			61	50	26	29					
Aug 7			74	61	31	33					
Aug 14			83	72	42	37	23	23			
Aug 21			89	81	52	43	29	29			
Aug 28			95	88	62	51	33	33	18	23	
Sep 4					74	61	38	38	20	25	
Sep 11					83	72	44	44	26	27	
Sep 18					88	81	51	51	29	29	
Sep 25					94	87	61	61	34	32	
Oct 2					96	92	71	71	41	36	
Oct 9							82	82	48	42	
Oct 16							90	90	57	49	
Oct 23							94	94	67	58	
Oct 30							96	96	76	68	
Nov 6									84	78	
Nov 13									90	86	
Nov 20									94	92	
Nov 27									96	96	

Week-ending date	Soybeans											
	Planted		Emerged		Blooming		Setting Pods		Dropping Leaves		Harvested	
	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg
2016:												
Apr 24	3	2										
May 1	8	6										
May 8	23	16										
May 15	36	32	10	9								
May 22	56	52	22	21								
May 29	73	66	45	40								
Jun 5	83	77	65	57								
Jun 12	92	87	79	72								
Jun 19	96	93	89	84								
Jul 26			95	91	9	7						
Jul 3					22	16						
Jul 10					40	31	7	5				
Jul 17					59	49	18	13				
Jul 24					76	66	35	26				
Jul 31					85	79	54	44				
Aug 7					91	88	69	61				
Aug 14					95	93	80	75				
Aug 21							89	85				
Aug 28							94	92	5	5		
Sep 4							97	97	12	12		
Sep 11									26	25		
Sep 18									46	43	4	5
Sep 25									68	64	10	13
Oct 2									83	79	26	27
Oct 9									91	88	44	47
Oct 16									96	94	62	63
Oct 23											76	76
Oct 30											87	85
Nov 6											93	91
Nov 13											97	95

See footnote(s) at end of table.

Table 15-35.—U.S. crop progress: 2016 crop and 5-year average—Continued
[In percent]

Week-ending date	Cotton, Upland									
	Planted		Squaring		Setting Bolls		Bolls Opening		Harvested	
	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg
2016:										
Apr 3	3	5								
Apr 10	5	7								
Apr 17	7	10								
Apr 24	10	13								
May 1	16	18								
May 8	26	26								
May 15	40	39								
May 22	46	54								
May 29	59	69	5	5						
Jun 5	75	84	7	8						
Jun 12	89	93	13	13						
Jun 19	95	98	22	21						
Jul 3			29	33	6	6				
Jul 10			42	47	11	11				
Jul 17			57	62	19	19				
Jul 24			77	76	28	30				
Jul 31			85	84	46	43				
Aug 7			92	91	54	57				
Aug 14			96	96	70	72	9	7		
Aug 21					88	83	12	10		
Aug 28					92	89	16	15		
Sep 4					95	94	23	23		
Sep 11							33	33	4	5
Sep 18							41	45	6	7
Sep 25							48	56	10	10
Oct 2							63	65	16	14
Oct 9							71	74	22	20
Oct 16							80	81	30	27
Oct 23							89	88	39	37
Oct 30							93	92	46	48
Nov 6							95	96	56	60
Nov 13									61	69
Nov 20									67	77
Nov 27									77	84

Week-ending date	Barley								Oats							
	Planted		Emerg		Headed		Harvested		Planted		Emerg		Headed		Harvested	
	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg	2016	Avg
2016:																
Apr 3	6	7							29	35	24	29				
Apr 10	19	15							38	42	26	32				
Apr 17	33	26							56	50	30	35				
Apr 24	45	36	15	9					71	57	41	40				
May 1	57	47	29	18					78	65	56	47				
May 8	79	60	47	30					88	74	70	56				
May 15	90	71	68	42					94	83	81	66				
May 22	94	81	80	56					98	90	90	76	25	29		
May 29	97	88	88	69							95	86	30	32		
Jun 5			93	80									38	37		
Jun 12			95	89									52	46		
Jun 19					23	17							68	57		
Jul 3					55	30							83	69		
Jul 10					72	48							92	80		
Jul 17					89	68							96	88	13	13
Jul 24					95	86									22	20
Jul 31							11	8							37	30
Aug 7															53	42
Aug 14							32	19							68	57
Aug 21							55	34							80	71
Aug 28							70	52							89	82
Sep 4							86	67							95	89
Sep 11							91	82								
							95	92								

See footnote(s) at end of table.

Table 15-35.—U.S. crop progress: 2016 crop and 5-year average—Continued
[In percent]

Week-ending date	Sunflower				Sugarbeets			
	Planted		Harvested		Planted		Harvested	
	2016	Avg	2016	Avg	2016	Avg	2016	Avg
2016:								
Apr 3					1	4		
Apr 10					4	10		
Apr 17					40	24		
Apr 24					61	36		
May 1					80	48		
May 8					94	60		
May 15	11	4			97	74		
May 22	27	13						
May 29	45	24						
Jun 5	61	40						
Jun 12	78	61						
Jun 19	87	77						
Jul 26	97	88						
Sep 11							8	5
Sep 18							11	8
Sep 25							14	11
Oct 2							20	24
Oct 9			13	12			38	43
Oct 16			31	25			63	63
Oct 23			46	40			78	78
Oct 30			62	57			86	87
Nov 6			81	71			89	95
Nov 13			89	81			94	99
Nov 20			94	89			98	100

Week-ending date	Peanuts					
	Planted		Pegging		Harvested	
	2016	Avg	2016	Avg	2016	Avg
2016:						
Apr 24	4	4				
May 1	12	10				
May 8	27	23				
May 15	46	40				
May 22	63	61				
May 29	80	79				
Jun 5	90	89				
Jun 12	96	95				
Jun 19			21	11		
Jul 26			35	22		
Jul 3			48	35		
Jul 10			67	51		
Jul 17			77	65		
Jul 24			84	75		
Jul 31			89	85		
Aug 7			95	91		
Sep 11					4	3
Sep 18					9	6
Sep 25					16	12
Oct 2					28	20
Oct 9					42	32
Oct 16					54	47
Oct 23					67	61
Oct 30					77	74
Nov 6					86	83
Nov 13					92	90
Nov 20					96	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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