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Released November 9, 2017, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**Corn Production Up 2 Percent from October Forecast**  
**Soybean Production Down Less Than 1 Percent**  
**Cotton Production Up 1 Percent**  
**Orange Production Down 4 Percent**

**Corn** production is forecast at 14.6 billion bushels, down 4 percent from last year but up 2 percent from the October forecast. Based on conditions as of November 1, yields are expected to average 175.4 bushels per acre, up 3.6 bushels from the October forecast and up 0.8 bushel from 2016. If realized, this will be the highest yield on record for the United States. Area harvested for grain is forecast at 83.1 million acres, unchanged from the previous estimate but down 4 percent from 2016.

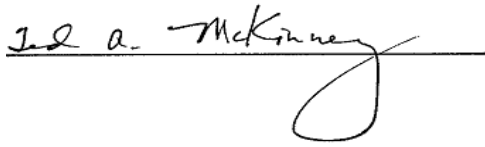
**Soybean** production is forecast at a record 4.43 billion bushels, down less than 1 percent from October but up 3 percent from last year. Based on November 1 conditions, yields are expected to average 49.5 bushels per acre, unchanged from last month but down 2.5 bushels from last year. Area for harvest in the United States is forecast at a record high 89.5 million acres, unchanged from last month.

**All cotton** production is forecast at 21.4 million 480-pound bales, up 1 percent from October and up 25 percent from last year. Yield is expected to average 900 pounds per harvested acre, up 11 pounds from last month and up 33 pounds from last year. If realized, the cotton yield forecast for the Nation will be the highest yield on record. Upland cotton production is forecast at 20.7 million 480-pound bales, up 24 percent from 2016. Pima cotton production, forecast at 727,000 bales, was carried forward from an earlier forecast.

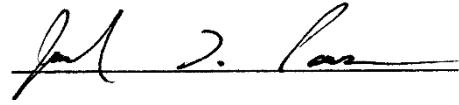
**The United States all orange** forecast for the 2017-2018 season is 4.16 million tons, down 4 percent from last month and down 19 percent from the 2016-2017 final utilization. The Florida all orange forecast, at 50.0 million boxes (2.25 million tons), is down 7 percent from last month and down 27 percent from last season's final utilization. Early, midseason, and Navel varieties in Florida are forecast at 21.0 million boxes (945,000 tons), down 9 percent from last month and down 36 percent from last season's final utilization. The Florida Valencia orange forecast, at 29.0 million boxes (1.31 million tons), is down 6 percent from last month and down 19 percent from last season's final utilization. California and Texas orange production forecasts were carried forward from the previous month.

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This report was approved on November 9, 2017.

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Secretary of Agriculture  
Designate  
Ted A. McKinney

Handwritten signature of Joseph L. Parsons in cursive, written over a horizontal line.

Agricultural Statistics Board  
Chairperson  
Joseph L. Parsons

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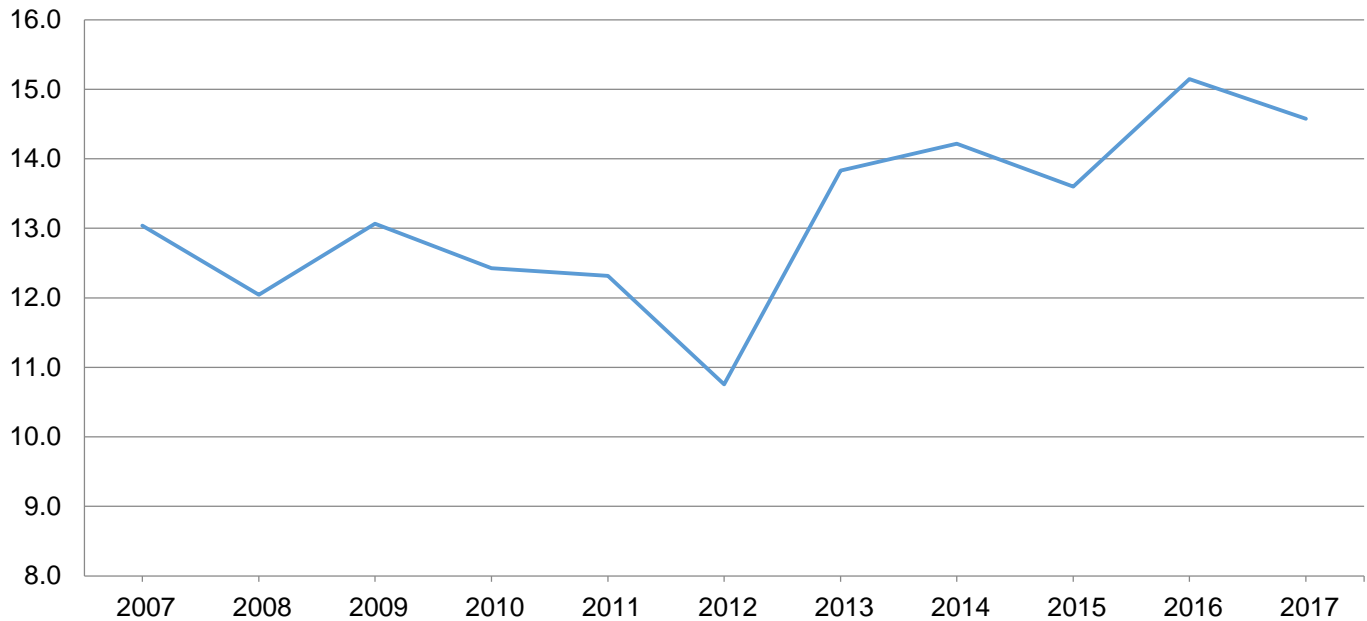
**Corn for Grain Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017**

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Alabama .....	315	235	120.0	170.0	165.0	37,800	38,775
Arkansas .....	745	595	171.0	179.0	179.0	127,395	106,505
California .....	100	100	185.0	184.0	184.0	18,500	18,400
Colorado .....	1,170	1,270	137.0	145.0	148.0	160,290	187,960
Delaware .....	164	170	170.0	190.0	186.0	27,880	31,620
Georgia .....	340	250	165.0	184.0	179.0	56,100	44,750
Idaho .....	100	100	188.0	210.0	210.0	18,800	21,000
Illinois .....	11,450	11,050	197.0	192.0	198.0	2,255,650	2,187,900
Indiana .....	5,470	5,220	173.0	173.0	181.0	946,310	944,820
Iowa .....	13,500	12,900	203.0	191.0	197.0	2,740,500	2,541,300
Kansas .....	4,920	5,200	142.0	134.0	136.0	698,640	707,200
Kentucky .....	1,400	1,240	159.0	174.0	177.0	222,600	219,480
Louisiana .....	550	490	165.0	183.0	183.0	90,750	89,670
Maryland .....	400	425	152.0	166.0	174.0	60,800	73,950
Michigan .....	2,040	1,950	157.0	168.0	167.0	320,280	325,650
Minnesota .....	8,000	7,650	193.0	184.0	190.0	1,544,000	1,453,500
Mississippi .....	720	500	166.0	188.0	188.0	119,520	94,000
Missouri .....	3,500	3,250	163.0	172.0	175.0	570,500	568,750
Nebraska .....	9,550	9,300	178.0	181.0	179.0	1,699,900	1,664,700
New York .....	570	530	129.0	147.0	147.0	73,530	77,910
North Carolina .....	940	830	129.0	138.0	140.0	121,260	116,200
North Dakota .....	3,270	3,190	158.0	126.0	134.0	516,660	427,460
Ohio .....	3,300	3,130	159.0	173.0	173.0	524,700	541,490
Oklahoma .....	350	320	121.0	123.0	130.0	42,350	41,600
Pennsylvania .....	950	960	129.0	163.0	163.0	122,550	156,480
South Carolina .....	350	325	127.0	135.0	137.0	44,450	44,525
South Dakota .....	5,130	5,250	161.0	147.0	150.0	825,930	787,500
Tennessee .....	830	705	151.0	170.0	171.0	125,330	120,555
Texas .....	2,550	2,190	127.0	142.0	142.0	323,850	310,980
Virginia .....	340	340	148.0	152.0	154.0	50,320	52,360
Washington .....	85	80	235.0	230.0	225.0	19,975	18,000
Wisconsin .....	3,220	2,950	178.0	164.0	168.0	573,160	495,600
Other States <sup>1</sup> .....	429	424	157.9	157.8	157.8	67,758	66,912
United States .....	86,748	83,119	174.6	171.8	175.4	15,148,038	14,577,502

<sup>1</sup> Other States include Arizona, Florida, Montana, New Jersey, New Mexico, Oregon, Utah, West Virginia, and Wyoming. Individual State level estimates will be published in the *Crop Production 2017 Summary*.

# Corn Production – United States

Billion bushels



## Sorghum for Grain Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Arkansas .....	44	7	73.0	80.0	80.0	3,212	560
Colorado .....	415	375	50.0	55.0	53.0	20,750	19,875
Kansas .....	2,950	2,360	91.0	82.0	80.0	268,450	188,800
Louisiana .....	46	13	102.0	90.0	90.0	4,692	1,170
Mississippi .....	11	4	89.0	89.0	89.0	979	356
Missouri .....	54	24	95.0	90.0	83.0	5,130	1,992
Nebraska .....	175	150	102.0	96.0	96.0	17,850	14,400
Oklahoma .....	370	280	55.0	45.0	43.0	20,350	12,040
South Dakota .....	200	225	79.0	65.0	63.0	15,800	14,175
Texas .....	1,750	1,500	66.0	66.0	64.0	115,500	96,000
Other States <sup>1</sup> .....	148	111	51.0	49.1	56.4	7,548	6,265
United States .....	6,163	5,049	77.9	72.2	70.4	480,261	355,633

<sup>1</sup> Other States include Georgia, Illinois, New Mexico, and North Carolina. Individual State level estimates will be published in the *Crop Production 2017 Summary*.

## Rice Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre			Production <sup>1</sup>	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)
Arkansas .....	1,521	1,093	6,920	7,350	7,400	105,314	80,882
California .....	536	458	8,840	8,600	8,600	47,394	39,388
Louisiana .....	428	395	6,630	7,000	6,900	28,390	27,255
Mississippi .....	194	118	7,180	7,200	7,200	13,929	8,496
Missouri .....	231	160	6,650	7,100	7,400	15,352	11,840
Texas .....	187	167	7,360	6,800	6,300	13,766	10,521
United States .....	3,097	2,391	7,237	7,469	7,461	224,145	178,382

<sup>1</sup> Includes sweet rice production.

## Rice Production by Class – United States: 2016 and Forecasted November 1, 2017

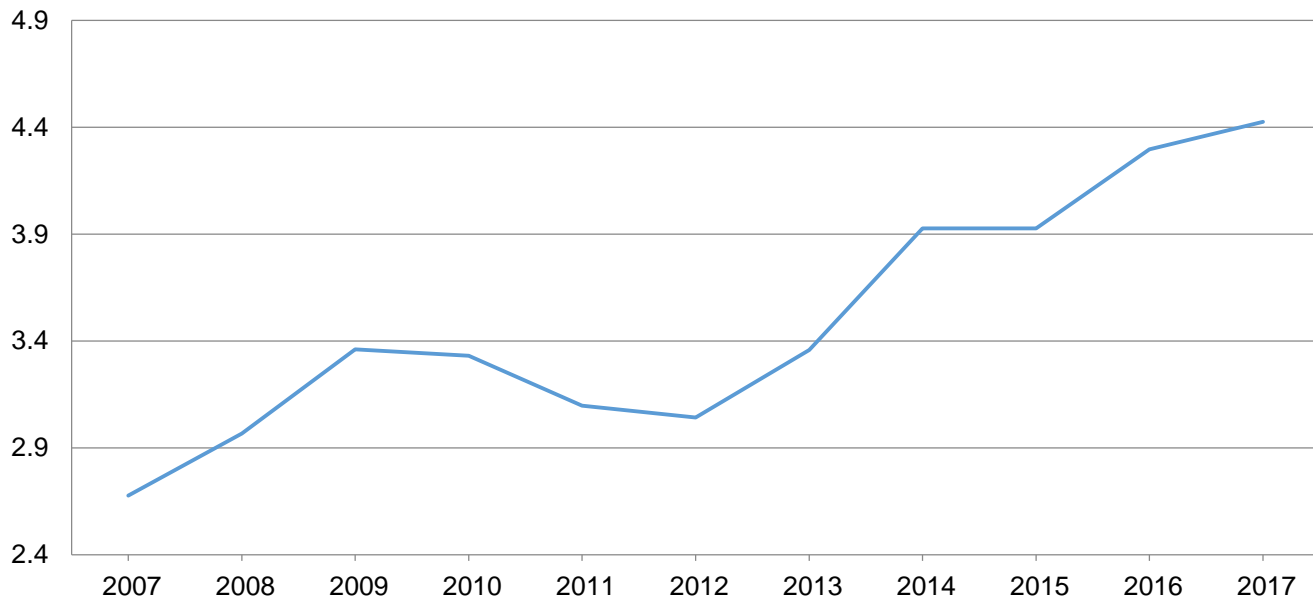
Year	Long grain	Medium grain	Short grain <sup>1</sup>	All
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
2016 .....	166,465	54,533	3,147	224,145
2017 <sup>2</sup> .....	126,142	49,459	2,781	178,382

<sup>1</sup> Sweet rice production included with short grain.

<sup>2</sup> The 2017 rice production by class forecasts are based on class harvested acreage estimates and the 5-year average class yield compared to the all rice yield.

## Soybean Production – United States

Billion bushels



**Soybeans for Beans Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017**

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Alabama .....	410	340	32.0	44.0	45.0	13,120	15,300
Arkansas .....	3,100	3,500	47.0	51.0	50.0	145,700	175,000
Delaware .....	163	158	41.5	51.0	51.0	6,765	8,058
Georgia .....	240	145	30.0	45.0	40.0	7,200	5,800
Illinois .....	10,050	10,540	59.0	57.0	58.0	592,950	611,320
Indiana .....	5,630	5,940	57.5	55.0	55.0	323,725	326,700
Iowa .....	9,440	9,950	60.0	56.0	56.0	566,400	557,200
Kansas .....	4,010	5,100	48.0	41.0	40.0	192,480	204,000
Kentucky .....	1,780	1,940	50.0	53.0	52.0	89,000	100,880
Louisiana .....	1,190	1,240	48.5	54.0	54.0	57,715	66,960
Maryland .....	515	495	41.5	50.0	50.0	21,373	24,750
Michigan .....	2,060	2,280	50.5	49.0	45.0	104,030	102,600
Minnesota .....	7,490	8,100	52.0	46.0	46.0	389,480	372,600
Mississippi .....	2,020	2,170	48.0	52.0	52.0	96,960	112,840
Missouri .....	5,540	5,920	49.0	49.0	49.0	271,460	290,080
Nebraska .....	5,150	5,650	61.0	56.0	58.0	314,150	327,700
New Jersey .....	98	98	36.0	40.0	42.0	3,528	4,116
New York .....	320	265	41.0	49.0	47.0	13,120	12,455
North Carolina .....	1,660	1,670	35.0	39.0	41.0	58,100	68,470
North Dakota .....	5,990	7,100	41.5	36.0	35.0	248,585	248,500
Ohio .....	4,840	5,040	54.5	52.0	51.0	263,780	257,040
Oklahoma .....	470	630	29.0	27.0	29.0	13,630	18,270
Pennsylvania .....	575	585	44.0	52.0	50.0	25,300	29,250
South Carolina .....	405	390	31.0	36.0	37.0	12,555	14,430
South Dakota .....	5,170	5,610	49.5	45.0	45.0	255,915	252,450
Tennessee .....	1,630	1,660	45.0	50.0	51.0	73,350	84,660
Texas .....	145	185	31.0	37.0	38.0	4,495	7,030
Virginia .....	600	590	36.0	42.0	45.0	21,600	26,550
Wisconsin .....	1,950	2,140	55.0	47.0	46.0	107,250	98,440
Other States <sup>1</sup> .....	55	40	43.1	44.7	45.8	2,370	1,830
United States .....	82,696	89,471	52.0	49.5	49.5	4,296,086	4,425,279

<sup>1</sup> Other States include Florida and West Virginia. Individual State level estimates will be published in the *Crop Production 2017 Summary*.



**Peanut Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017**

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)
Alabama .....	172.0	192.0	3,600	4,200	3,900	619,200	748,800
Florida .....	146.0	183.0	3,800	3,500	3,400	554,800	622,200
Georgia .....	706.0	830.0	3,900	4,700	4,600	2,753,400	3,818,000
Mississippi .....	38.0	42.0	4,000	4,500	4,500	152,000	189,000
North Carolina .....	99.0	118.0	3,530	4,100	4,100	349,470	483,800
Oklahoma .....	12.0	19.0	3,700	3,400	3,800	44,400	72,200
South Carolina .....	106.0	120.0	3,200	3,900	3,900	339,200	468,000
Texas .....	205.0	260.0	2,730	3,700	3,700	559,650	962,000
Virginia .....	21.0	27.0	3,650	4,300	4,450	76,650	120,150
Other States <sup>1</sup> .....	31.0	38.0	4,284	4,068	4,068	132,800	154,600
United States .....	1,536.0	1,829.0	3,634	4,257	4,176	5,581,570	7,638,750

<sup>1</sup> Other States include Arkansas and New Mexico.

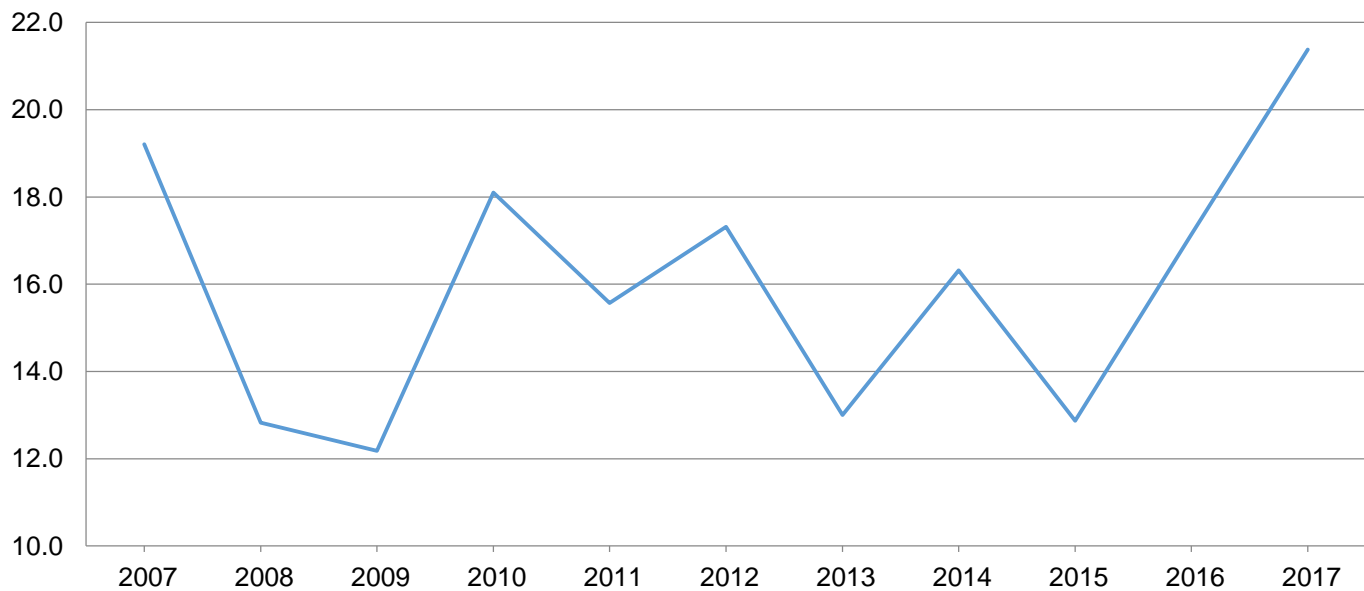
**Cottonseed Production – United States: 2016 and Forecasted November 1, 2017**

State	Production	
	2016	2017 <sup>1</sup>
	(1,000 tons)	(1,000 tons)
United States .....	5,369.0	6,758.0

<sup>1</sup> Based on a 3-year average lint-seed ratio.

**Cotton Production - United States**

Million bales



**Cotton Area Harvested, Yield, and Production by Type – States and United States: 2016 and Forecasted November 1, 2017**

Type and State	Area harvested		Yield per acre			Production <sup>1</sup>	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 bales) <sup>2</sup>	(1,000 bales) <sup>2</sup>
<b>Upland</b>							
Alabama .....	343.0	428.0	988	976	964	706.0	860.0
Arizona .....	118.0	158.0	1,525	1,574	1,549	375.0	510.0
Arkansas .....	375.0	438.0	1,075	1,096	1,162	840.0	1,060.0
California .....	62.0	90.0	1,897	1,760	1,680	245.0	315.0
Florida .....	102.0	98.0	922	931	931	196.0	190.0
Georgia .....	1,165.0	1,280.0	898	900	900	2,180.0	2,400.0
Kansas .....	31.0	91.0	1,099	1,002	976	71.0	185.0
Louisiana .....	137.0	215.0	939	982	1,005	268.0	450.0
Mississippi .....	430.0	625.0	1,207	1,152	1,152	1,081.0	1,500.0
Missouri .....	266.0	297.0	1,021	1,220	1,172	566.0	725.0
New Mexico .....	41.0	55.0	1,030	916	873	88.0	100.0
North Carolina .....	255.0	365.0	646	921	967	343.0	735.0
Oklahoma .....	290.0	555.0	1,021	848	951	617.0	1,100.0
South Carolina .....	183.0	245.0	656	940	940	250.0	480.0
Tennessee .....	250.0	340.0	1,104	1,045	1,059	575.0	750.0
Texas .....	5,200.0	5,800.0	748	745	753	8,100.0	9,100.0
Virginia .....	72.0	83.0	667	1,099	1,099	100.0	190.0
United States .....	9,320.0	11,163.0	855	877	888	16,601.0	20,650.0
<b>American Pima <sup>3</sup></b>							
Arizona .....	11.0	14.5	851	894	894	19.5	27.0
California .....	154.0	208.0	1,565	1,528	1,528	502.0	662.0
New Mexico .....	7.8	7.2	886	800	800	14.4	12.0
Texas .....	15.0	12.5	1,056	998	998	33.0	26.0
United States .....	187.8	242.2	1,454	1,441	1,441	568.9	727.0
<b>All</b>							
Alabama .....	343.0	428.0	988	976	964	706.0	860.0
Arizona .....	129.0	172.5	1,468	1,517	1,494	394.5	537.0
Arkansas .....	375.0	438.0	1,075	1,096	1,162	840.0	1,060.0
California .....	216.0	298.0	1,660	1,598	1,574	747.0	977.0
Florida .....	102.0	98.0	922	931	931	196.0	190.0
Georgia .....	1,165.0	1,280.0	898	900	900	2,180.0	2,400.0
Kansas .....	31.0	91.0	1,099	1,002	976	71.0	185.0
Louisiana .....	137.0	215.0	939	982	1,005	268.0	450.0
Mississippi .....	430.0	625.0	1,207	1,152	1,152	1,081.0	1,500.0
Missouri .....	266.0	297.0	1,021	1,220	1,172	566.0	725.0
New Mexico .....	48.8	62.2	1,007	903	864	102.4	112.0
North Carolina .....	255.0	365.0	646	921	967	343.0	735.0
Oklahoma .....	290.0	555.0	1,021	848	951	617.0	1,100.0
South Carolina .....	183.0	245.0	656	940	940	250.0	480.0
Tennessee .....	250.0	340.0	1,104	1,045	1,059	575.0	750.0
Texas .....	5,215.0	5,812.5	749	745	754	8,133.0	9,126.0
Virginia .....	72.0	83.0	667	1,099	1,099	100.0	190.0
United States .....	9,507.8	11,405.2	867	889	900	17,169.9	21,377.0

<sup>1</sup> Production ginned and to be ginned.

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

<sup>3</sup> Estimates for current year carried forward from an earlier forecast.

## Sugarbeet Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

[Relates to year of intended harvest in all States except California]

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
California <sup>1</sup> .....	25.0	24.7	44.3	43.5	43.5	1,108	1,074
Colorado .....	27.6	29.1	33.6	35.4	35.6	927	1,036
Idaho .....	170.0	166.9	41.4	41.1	39.9	7,038	6,659
Michigan .....	149.0	143.0	30.8	28.0	27.3	4,589	3,904
Minnesota .....	417.0	411.0	30.0	29.5	30.9	12,510	12,700
Montana .....	45.3	42.4	35.0	33.6	32.8	1,586	1,391
Nebraska .....	47.2	44.6	29.9	32.1	32.3	1,411	1,441
North Dakota .....	203.0	209.0	30.8	30.6	31.1	6,242	6,500
Oregon .....	10.2	9.1	42.0	39.9	39.1	428	356
Washington .....	1.9	1.8	47.9	47.4	47.4	91	85
Wyoming .....	30.0	31.6	31.7	27.8	28.2	951	891
United States .....	1,126.2	1,113.2	32.7	32.0	32.4	36,881	36,037

<sup>1</sup> Relates 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.

## Sugarcane for Sugar and Seed Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre <sup>1</sup>			Production <sup>1</sup>	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
Florida .....	417.0	414.0	40.5	42.1	41.2	16,904	17,057
Hawaii <sup>2</sup> .....	15.5	(NA)	86.2	(NA)	(NA)	1,336	(NA)
Louisiana .....	431.0	440.0	28.8	30.8	30.9	12,413	13,596
Texas .....	39.6	41.2	37.0	37.3	37.9	1,465	1,561
United States .....	903.1	895.2	35.6	36.3	36.0	32,118	32,214

(NA) Not available.

<sup>1</sup> Net tons.

<sup>2</sup> Estimates discontinued in 2017.

## Utilized Production of Citrus Fruits by Crop – States and United States: 2016-2017 and Forecasted November 1, 2017

[The crop year begins with the bloom of the first year shown and ends with the completion of harvest the following year.]

Crop and State	Utilized production boxes <sup>1</sup>		Utilized production ton equivalent	
	2016-2017 (1,000 boxes)	2017-2018 (1,000 boxes)	2016-2017 (1,000 tons)	2017-2018 (1,000 tons)
<b>Oranges</b>				
California, all <sup>2</sup> .....	50,300	46,000	2,012	1,840
Early, mid, and Navel <sup>3</sup> .....	39,300	35,000	1,572	1,400
Valencia .....	11,000	11,000	440	440
Florida, all .....	68,750	50,000	3,094	2,250
Early, mid, and Navel <sup>3</sup> .....	33,000	21,000	1,485	945
Valencia .....	35,750	29,000	1,609	1,305
Texas, all <sup>2</sup> .....	1,370	1,650	58	70
Early, mid, and Navel <sup>3</sup> .....	1,090	1,350	46	57
Valencia .....	280	300	12	13
United States, all .....	120,420	97,650	5,164	4,160
Early, mid, and Navel <sup>3</sup> .....	73,390	57,350	3,103	2,402
Valencia .....	47,030	40,300	2,061	1,758
<b>Grapefruit</b>				
California <sup>2</sup> .....	4,000	4,200	160	168
Florida, all .....	7,760	4,650	330	198
Red .....	6,280	3,800	267	162
White .....	1,480	850	63	36
Texas <sup>2</sup> .....	4,800	5,300	192	212
United States .....	16,560	14,150	682	578
<b>Tangerines and mandarins <sup>4</sup></b>				
California <sup>2</sup> .....	23,900	23,000	956	920
Florida .....	1,620	950	77	45
United States .....	25,520	23,950	1,033	965
<b>Lemons <sup>2</sup></b>				
Arizona .....	1,650	1,600	66	64
California .....	20,500	21,000	820	840
United States .....	22,150	22,600	886	904

<sup>1</sup> Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California-80, Florida-85, Texas-80; tangerines and mandarins in California-80, Florida-95; lemons-80.

<sup>2</sup> Estimates for current year carried forward from an earlier forecast.

<sup>3</sup> Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas.

<sup>4</sup> Includes tangelos and tangors.

**Fall Potato Area Planted and Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017**

Seasonal group and State	Area planted		Area harvested		Yield per acre		Production	
	2016 (1,000 acres)	2017 (1,000 acres)	2016 (1,000 acres)	2017 (1,000 acres)	2016 (cwt)	2017 (cwt)	2016 (1,000 cwt)	2017 (1,000 cwt)
<b>Fall</b>								
California .....	7.9	8.2	7.9	8.2	445	450	3,516	3,690
Colorado .....	57.3	56.7	57.1	56.4	389	382	22,236	21,527
San Luis Valley .....	51.6	51.9	51.5	51.7	385	375	19,828	19,388
All other areas .....	5.7	4.8	5.6	4.7	430	455	2,408	2,139
Idaho .....	325.0	310.0	324.0	309.0	430	425	139,320	131,325
Maine .....	47.0	48.0	46.5	47.5	325	320	15,113	15,200
Michigan .....	47.0	47.5	46.0	46.5	370	400	17,020	18,600
Minnesota .....	43.0	46.0	42.0	45.5	400	415	16,800	18,883
Montana .....	11.1	11.1	11.0	11.0	335	340	3,685	3,740
Nebraska .....	16.5	19.0	16.4	18.9	450	470	7,380	8,883
New York .....	15.0	14.0	14.8	13.8	240	265	3,552	3,657
North Dakota .....	80.0	75.0	72.0	74.0	300	340	21,600	25,160
Oregon .....	39.0	38.0	38.9	37.8	590	550	22,951	20,790
Washington .....	170.0	165.0	169.0	165.0	625	600	105,625	99,000
Wisconsin .....	65.0	68.0	64.0	67.0	435	425	27,840	28,475
United States .....	923.8	906.5	909.6	900.6	447	443	406,638	398,930

<sup>1</sup> Estimates for current year carried forward from an earlier forecast.

**Potato Area Planted and Harvested, Yield, and Production – Alaska: 2016-2017**

Crop year	Area		Yield per acre (cwt)	Production (1,000 cwt)
	Planted (acres)	Harvested (acres)		
2016 .....	500	490	300	147
2017 .....	450	440	280	123

## Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2016 and 2017

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2016	2017	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Grains and hay</b>				
Barley .....	3,059	2,481	2,565	1,954
Corn for grain <sup>1</sup> .....	94,004	90,429	86,748	83,119
Corn for silage .....	(NA)		6,186	
Hay, all .....	(NA)	(NA)	53,461	53,518
Alfalfa .....	(NA)	(NA)	16,885	17,111
All other .....	(NA)	(NA)	36,576	36,407
Oats .....	2,829	2,588	981	801
Proso millet .....	443	550	413	
Rice .....	3,150	2,487	3,097	2,391
Rye .....	1,891	1,961	414	286
Sorghum for grain <sup>1</sup> .....	6,690	5,709	6,163	5,049
Sorghum for silage .....	(NA)		298	
Wheat, all .....	50,119	46,012	43,850	37,586
Winter .....	36,152	32,696	30,237	25,291
Durum .....	2,412	2,307	2,360	2,136
Other spring .....	11,555	11,009	11,253	10,159
<b>Oilseeds</b>				
Canola .....	1,714.0	2,076.0	1,691.7	2,028.0
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	374	283	367	277
Mustard seed .....	103.1	76.0	98.2	72.1
Peanuts .....	1,671.0	1,881.0	1,536.0	1,829.0
Rapeseed .....	11.0	12.5	10.5	11.7
Safflower .....	161.1	162.0	154.4	154.8
Soybeans for beans .....	83,433	90,207	82,696	89,471
Sunflower .....	1,596.6	1,404.3	1,532.0	1,352.3
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all .....	10,072.5	12,618.5	9,507.8	11,405.2
Upland .....	9,878.0	12,372.0	9,320.0	11,163.0
American Pima .....	194.5	246.5	187.8	242.2
Sugarbeets .....	1,163.4	1,138.1	1,126.2	1,113.2
Sugarcane .....	(NA)	(NA)	903.1	895.2
Tobacco .....	(NA)	(NA)	319.7	321.3
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	38.0	29.0	28.0	16.0
Dry edible beans .....	1,662.0	2,111.5	1,558.6	2,033.0
Chickpeas, all .....	325.3	603.8	320.0	456.0
Large .....	211.5	425.6	209.2	296.2
Small .....	113.8	178.2	110.8	159.8
Dry edible peas .....	1,382.0	1,153.0	1,329.8	1,111.4
Lentils .....	933.0	1,109.0	908.0	1,017.0
Wrinkled seed peas .....	(NA)		(NA)	
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	50.9	54.1
Maple syrup .....	(NA)	(NA)	(NA)	(NA)
Mushrooms .....	(NA)	(NA)	(NA)	(NA)
Peppermint oil .....	(NA)		65.3	
Potatoes, all .....	1,037.0	1,030.5	1,018.3	1,021.2
Spring .....	51.0	58.0	48.0	57.7
Summer .....	62.2	66.0	60.7	62.9
Fall .....	923.8	906.5	909.6	900.6
Spearmint oil .....	(NA)		24.5	
Sweet potatoes .....	168.1	151.4	163.3	148.6
Taro (Hawaii) .....	(NA)		(D)	

See footnote(s) at end of table.

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## Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2016 and 2017 (continued)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year.  
Blank data cells indicate estimation period has not yet begun]

Crop	Yield per acre		Production		
	2016	2017	2016 (1,000)	2017 (1,000)	
<b>Grains and hay</b>					
Barley .....	bushels	77.9	72.6	199,914	141,923
Corn for grain .....	bushels	174.6	175.4	15,148,038	14,577,502
Corn for silage .....	tons	20.3		125,670	
Hay, all .....	tons	2.52	2.46	134,781	131,908
Alfalfa .....	tons	3.45	3.27	58,263	56,022
All other .....	tons	2.09	2.08	76,518	75,886
Oats .....	bushels	66.0	61.7	64,770	49,391
Proso millet .....	bushels	30.4		12,558	
Rice <sup>2</sup> .....	cwt	7,237	7,461	224,145	178,382
Rye .....	bushels	32.5	33.9	13,451	9,696
Sorghum for grain .....	bushels	77.9	70.4	480,261	355,633
Sorghum for silage .....	tons	14.0		4,171	
Wheat, all .....	bushels	52.7	46.3	2,308,723	1,740,582
Winter .....	bushels	55.3	50.2	1,672,582	1,269,437
Durum .....	bushels	44.0	25.7	103,914	54,909
Other spring .....	bushels	47.3	41.0	532,227	416,236
<b>Oilseeds</b>					
Canola .....	pounds	1,824	1,383	3,086,340	2,805,635
Cottonseed .....	tons	(X)	(X)	5,369.0	6,758.0
Flaxseed .....	bushels	23.7		8,680	
Mustard seed .....	pounds	980		96,270	
Peanuts .....	pounds	3,634	4,176	5,581,570	7,638,750
Rapeseed .....	pounds	1,840		19,320	
Safflower .....	pounds	1,425		220,090	
Soybeans for beans .....	bushels	52.0	49.5	4,296,086	4,425,279
Sunflower .....	pounds	1,731	1,339	2,651,635	1,810,235
<b>Cotton, tobacco, and sugar crops</b>					
Cotton, all <sup>2</sup> .....	bales	867	900	17,169.9	21,377.0
Upland <sup>2</sup> .....	bales	855	888	16,601.0	20,650.0
American Pima <sup>2</sup> .....	bales	1,454	1,441	568.9	727.0
Sugarbeets .....	tons	32.7	32.4	36,881	36,037
Sugarcane .....	tons	35.6	36.0	32,118	32,214
Tobacco .....	pounds	1,967	2,253	628,720	723,697
<b>Dry beans, peas, and lentils</b>					
Austrian winter peas <sup>2</sup> .....	cwt	1,704	869	477	139
Dry edible beans <sup>2</sup> .....	cwt	1,842	1,737	28,712	35,312
Chickpeas, all <sup>2</sup> .....	cwt	1,702		5,447	
Large <sup>2</sup> .....	cwt	1,677		3,509	
Small <sup>2</sup> .....	cwt	1,749		1,938	
Dry edible peas <sup>2</sup> .....	cwt	2,086	1,383	27,737	15,367
Lentils <sup>2</sup> .....	cwt	1,397	733	12,685	7,457
Wrinkled seed peas .....	cwt	(NA)		439	
<b>Potatoes and miscellaneous</b>					
Hops .....	pounds	1,713	1,803	87,139.6	97,587.7
Maple syrup .....	gallons	(NA)	(NA)	4,207	4,271
Mushrooms .....	pounds	(NA)	(NA)	943,414	928,605
Peppermint oil .....	pounds	89		5,800	
Potatoes, all .....	cwt	433	430	441,411	438,968
Spring .....	cwt	316	343	15,171	19,790
Summer .....	cwt	323	322	19,602	20,248
Fall .....	cwt	447	443	406,638	398,930
Spearmint oil .....	pounds	131		3,208	
Sweet potatoes .....	cwt	193		31,546	
Taro (Hawaii) .....	pounds	(D)		(D)	

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Area planted for all purposes.

<sup>2</sup> Yield in pounds.

## Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2016 and 2017

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2016	2017	2016	2017
	(hectares)	(hectares)	(hectares)	(hectares)
<b>Grains and hay</b>				
Barley .....	1,237,950	1,004,040	1,038,030	790,760
Corn for grain <sup>1</sup> .....	38,042,480	36,595,710	35,106,050	33,637,430
Corn for silage .....	(NA)		2,503,410	
Hay, all <sup>2</sup> .....	(NA)	(NA)	21,635,130	21,658,200
Alfalfa .....	(NA)	(NA)	6,833,190	6,924,650
All other .....	(NA)	(NA)	14,801,940	14,733,550
Oats .....	1,144,870	1,047,340	397,000	324,160
Proso millet .....	179,280	222,580	167,140	
Rice .....	1,274,770	1,006,460	1,253,320	967,610
Rye .....	765,270	793,600	167,540	115,740
Sorghum for grain <sup>1</sup> .....	2,707,380	2,310,380	2,494,100	2,043,280
Sorghum for silage .....	(NA)		120,600	
Wheat, all <sup>2</sup> .....	20,282,660	18,620,600	17,745,660	15,210,680
Winter .....	14,630,350	13,231,740	12,236,610	10,235,010
Durum .....	976,110	933,620	955,070	864,420
Other spring .....	4,676,190	4,455,230	4,553,980	4,111,250
<b>Oilseeds</b>				
Canola .....	693,640	840,140	684,610	820,710
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	151,350	114,530	148,520	112,100
Mustard seed .....	41,720	30,760	39,740	29,180
Peanuts .....	676,240	761,220	621,600	740,180
Rapeseed .....	4,450	5,060	4,250	4,730
Safflower .....	65,200	65,560	62,480	62,650
Soybeans for beans .....	33,764,500	36,505,870	33,466,240	36,208,020
Sunflower .....	646,130	568,310	619,990	547,260
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	4,076,240	5,106,580	3,847,710	4,615,570
Upland .....	3,997,530	5,006,820	3,771,710	4,517,550
American Pima .....	78,710	99,760	76,000	98,020
Sugarbeets .....	470,820	460,580	455,760	450,500
Sugarcane .....	(NA)	(NA)	365,480	362,280
Tobacco .....	(NA)	(NA)	129,360	130,020
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	15,380	11,740	11,330	6,480
Dry edible beans .....	672,590	854,500	630,750	822,730
Chickpeas <sup>2</sup> .....	131,650	244,350	129,500	184,540
Large .....	85,590	172,240	84,660	119,870
Small .....	46,050	72,120	44,840	64,670
Dry edible peas .....	559,280	466,610	538,160	449,770
Lentils .....	377,580	448,800	367,460	411,570
Wrinkled seed peas .....	(NA)		(NA)	
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	20,580	21,910
Maple syrup .....	(NA)	(NA)	(NA)	(NA)
Mushrooms .....	(NA)	(NA)	(NA)	(NA)
Peppermint oil .....	(NA)		26,430	
Potatoes, all <sup>2</sup> .....	419,660	417,030	412,100	413,270
Spring .....	20,640	23,470	19,430	23,350
Summer .....	25,170	26,710	24,560	25,460
Fall .....	373,850	366,850	368,110	364,460
Spearmint oil .....	(NA)		9,910	
Sweet potatoes .....	68,030	61,270	66,090	60,140
Taro (Hawaii) .....	(NA)		(D)	

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States:  
2016 and 2017 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Yield per hectare		Production	
	2016	2017	2016	2017
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
<b>Grains and hay</b>				
Barley .....	4.19	3.91	4,352,610	3,090,010
Corn for grain .....	10.96	11.01	384,777,890	370,285,610
Corn for silage .....	45.54		114,005,910	
Hay, all <sup>2</sup> .....	5.65	5.53	122,271,270	119,664,920
Alfalfa .....	7.74	7.34	52,855,300	50,822,300
All other .....	4.69	4.67	69,415,960	68,842,620
Oats .....	2.37	2.21	940,130	716,910
Proso millet .....	1.70		284,810	
Rice .....	8.11	8.36	10,167,050	8,091,270
Rye .....	2.04	2.13	341,670	246,290
Sorghum for grain .....	4.89	4.42	12,199,190	9,033,490
Sorghum for silage .....	31.38		3,783,870	
Wheat, all <sup>2</sup> .....	3.54	3.11	62,833,140	47,370,880
Winter .....	3.72	3.38	45,520,220	34,548,410
Durum .....	2.96	1.73	2,828,080	1,494,380
Other spring .....	3.18	2.76	14,484,850	11,328,090
<b>Oilseeds</b>				
Canola .....	2.04	1.55	1,399,940	1,272,610
Cottonseed .....	(X)	(X)	4,870,670	6,130,750
Flaxseed .....	1.48		220,480	
Mustard seed .....	1.10		43,670	
Peanuts .....	4.07	4.68	2,531,760	3,464,880
Rapeseed .....	2.06		8,760	
Safflower .....	1.60		99,830	
Soybeans for beans .....	3.49	3.33	116,920,300	120,436,360
Sunflower .....	1.94	1.50	1,202,760	821,110
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	0.97	1.01	3,738,310	4,654,290
Upland .....	0.96	1.00	3,614,440	4,496,010
American Pima .....	1.63	1.61	123,860	158,290
Sugarbeets .....	73.41	72.57	33,457,880	32,692,220
Sugarcane .....	79.72	80.67	29,136,960	29,224,050
Tobacco .....	2.20	2.52	285,180	328,260
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	1.91	0.97	21,640	6,300
Dry edible beans .....	2.06	1.95	1,302,350	1,601,730
Chickpeas, all <sup>2</sup> .....	1.91		247,070	
Large .....	1.88		159,170	
Small .....	1.96		87,910	
Dry edible peas .....	2.34	1.55	1,258,130	697,040
Lentils .....	1.57	0.82	575,380	338,240
Wrinkled seed peas .....	(NA)		19,910	
<b>Potatoes and miscellaneous</b>				
Hops .....	1.92	2.02	39,530	44,270
Maple syrup .....	(NA)	(NA)	21,040	21,360
Mushrooms .....	(NA)	(NA)	427,930	421,210
Peppermint oil .....	0.10		2,630	
Potatoes, all <sup>2</sup> .....	48.59	48.18	20,022,070	19,911,250
Spring .....	35.43	38.44	688,150	897,660
Summer .....	36.20	36.08	889,130	918,430
Fall .....	50.11	49.65	18,444,790	18,095,160
Spearmint oil .....	0.15		1,460	
Sweet potatoes .....	21.65		1,430,900	
Taro (Hawaii) .....	(D)		(D)	

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Area planted for all purposes.

<sup>2</sup> Total may not add due to rounding.

## Fruits and Nuts Production in Domestic Units – United States: 2017 and 2018

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year, except citrus which is for the 2016-2017 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production	
	2017	2018
<b>Citrus <sup>1</sup></b>		
Grapefruit ..... 1,000 tons	682	578
Lemons ..... 1,000 tons	886	904
Oranges ..... 1,000 tons	5,164	4,160
Tangerines and mandarins ..... 1,000 tons	1,033	965
<b>Noncitrus</b>		
Apples ..... million pounds	10,444.0	
Apricots ..... tons	55,500	
Avocados ..... tons		
Bananas (Hawaii) ..... 1,000 pounds		
Blackberries (Oregon) ..... 1,000 pounds		
Blueberries, Cultivated ..... 1,000 pounds		
Blueberries, Wild (Maine) ..... 1,000 pounds		
Boysenberries (Oregon) ..... 1,000 pounds		
Cherries, Sweet ..... tons	432,760	
Cherries, Tart ..... million pounds	238.2	
Coffee (Hawaii) ..... 1,000 pounds		
Cranberries ..... barrel	9,050,000	
Dates ..... tons		
Figs (California) ..... tons		
Grapes ..... tons	7,505,300	
Kiwifruit (California) ..... tons		
Nectarines ..... tons		
Olives (California) ..... tons		
Papayas (Hawaii) ..... 1,000 pounds		
Peaches ..... tons	735,200	
Pears ..... tons	707,000	
Plums (California) ..... tons		
Prunes (California) ..... tons	105,000	
Raspberries, all ..... 1,000 pounds		
Strawberries ..... 1,000 cwt	30,534	
<b>Nuts and miscellaneous</b>		
Almonds, shelled (California) ..... 1,000 pounds	2,250,000	
Hazelnuts, in-shell (Oregon) ..... tons	36,000	
Macadamias (Hawaii) ..... 1,000 pounds		
Pecans, in-shell ..... 1,000 pounds	277,400	
Pistachios (California) ..... 1,000 pounds		
Walnuts, in-shell (California) ..... tons	650,000	

<sup>1</sup> Production years are 2016-2017 and 2017-2018.

## Fruits and Nuts Production in Metric Units – United States: 2017 and 2018

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year, except citrus which is for the 2016-2017 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production	
	2017 (metric tons)	2018 (metric tons)
<b>Citrus<sup>1</sup></b>		
Grapefruit .....	618,700	524,350
Lemons .....	803,770	820,100
Oranges .....	4,684,700	3,773,890
Tangerines and mandarins .....	937,120	875,430
<b>Noncitrus</b>		
Apples .....	4,737,320	
Apricots .....	50,350	
Avocados .....		
Bananas (Hawaii) .....		
Blackberries (Oregon) .....		
Blueberries, Cultivated .....		
Blueberries, Wild (Maine) .....		
Boysenberries (Oregon) .....		
Cherries, Sweet .....	392,590	
Cherries, Tart .....	108,050	
Coffee (Hawaii) .....		
Cranberries .....	410,500	
Dates .....		
Figs (California) .....		
Grapes .....	6,808,690	
Kiwifruit (California) .....		
Nectarines .....		
Olives (California) .....		
Papayas (Hawaii) .....		
Peaches .....	666,960	
Pears .....	641,380	
Plums (California) .....		
Prunes (California) .....	95,250	
Raspberries, all .....		
Strawberries .....	1,384,990	
<b>Nuts and miscellaneous</b>		
Almonds, shelled (California) .....	1,020,580	
Hazelnuts, in-shell (Oregon) .....	32,660	
Macadamias (Hawaii) .....		
Pecans, in-shell .....	125,830	
Pistachios (California) .....		
Walnuts, in-shell (California) .....	589,670	

<sup>1</sup> Production years are 2016-2017 and 2017-2018.

## Corn for Grain Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 10 corn-producing States during 2017. Randomly selected plots in corn for grain fields are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are rounded actual field counts from this survey.

### Corn for Grain Plant Population per Acre – Selected States: 2013-2017

[Blank data cells indicate estimation period has not yet begun]

State and month	2013	2014	2015	2016	2017	State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Illinois</b>						<b>Nebraska</b>					
September .....	30,700	30,900	31,800	31,100	30,800	All corn					
October .....	(NA)	30,800	31,750	31,100	30,900	September ...	26,000	26,450	26,650	25,900	25,950
November .....	30,850	30,700	31,750	31,100	30,950	October .....	(NA)	26,450	26,750	25,950	25,800
Final .....	30,850	30,700	31,750	31,100		November ....	26,100	26,200	26,700	26,000	25,700
						Final .....	26,100	26,200	26,700	26,000	
<b>Indiana</b>						<b>Irrigated</b>					
September .....	30,250	31,200	30,400	30,200	29,550	September ...	29,150	28,850	29,100	28,200	29,050
October .....	(NA)	31,000	30,100	29,950	29,350	October .....	(NA)	28,850	29,300	28,200	29,000
November .....	30,400	30,850	30,000	29,800	29,200	November ....	29,300	28,700	29,250	28,300	28,750
Final .....	30,450	30,850	29,950	29,800		Final .....	29,250	28,700	29,250	28,300	
<b>Iowa</b>						<b>Non-irrigated</b>					
September .....	30,250	30,850	31,500	31,250	31,300	September ...	21,000	22,650	23,500	22,900	22,500
October .....	(NA)	30,800	31,450	31,050	31,150	October .....	(NA)	22,550	23,550	23,000	22,200
November .....	30,000	30,800	31,450	31,050	31,150	November ....	21,050	22,250	23,550	23,000	22,250
Final .....	30,050	30,800	31,450	31,050		Final .....	21,050	22,250	23,550	23,000	
<b>Kansas</b>						<b>Ohio</b>					
September .....	22,900	23,750	23,400	22,550	22,050	September ....	28,800	29,600	30,000	30,250	29,250
October .....	(NA)	23,550	23,750	22,550	22,100	October .....	(NA)	29,700	30,000	30,100	29,150
November .....	22,850	23,550	23,800	22,550	22,300	November ....	28,700	29,600	29,950	30,250	29,100
Final .....	22,850	23,550	23,800	22,550		Final .....	28,650	29,600	29,950	30,250	
<b>Minnesota</b>						<b>South Dakota</b>					
September .....	31,350	31,400	30,650	30,800	30,750	September ....	25,300	24,550	26,350	26,200	26,250
October .....	(NA)	31,350	30,750	30,700	30,550	October .....	(NA)	24,250	26,250	26,100	26,200
November .....	30,950	31,150	30,750	30,550	30,600	November ....	25,100	24,150	26,200	26,000	26,200
Final .....	30,950	31,250	30,750	30,550		Final .....	25,100	24,150	26,200	26,000	
<b>Missouri</b>						<b>Wisconsin</b>					
September .....	27,700	27,650	27,900	27,300	27,850	September ....	29,050	30,000	29,900	30,100	29,450
October .....	(NA)	27,400	27,600	27,750	27,850	October .....	(NA)	29,900	29,700	29,900	29,100
November .....	27,800	27,500	27,600	27,800	27,950	November ....	29,150	30,000	29,450	29,800	29,150
Final .....	27,850	27,500	27,600	27,800		Final .....	29,150	30,050	29,450	29,800	
						<b>10 State</b>					
						September ....	28,750	29,200	29,550	29,050	28,800
						October .....	(NA)	29,100	29,500	28,950	28,700
						November ....	28,700	29,000	29,450	28,950	28,700
						Final .....	28,700	29,050	29,450	28,950	

(NA) Not available.

## Corn for Grain Number of Ears per Acre – Selected States: 2013-2017

[Blank data cells indicate estimation period has not yet begun]

State and month	2013	2014	2015	2016	2017	State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Illinois</b>						<b>Nebraska</b>					
September .....	29,900	30,300	30,800	30,350	30,200	All corn					
October .....	(NA)	30,300	30,750	30,450	30,300	September .....	26,050	26,500	26,650	25,700	25,800
November .....	30,150	30,100	30,800	30,450	30,250	October .....	(NA)	26,450	26,700	25,350	26,050
Final .....	30,150	30,100	30,800	30,450		November .....	25,700	26,200	26,700	25,400	25,950
						Final .....	25,700	26,200	26,700	25,400	
<b>Indiana</b>						<b>Irrigated</b>					
September .....	29,850	30,850	29,550	29,600	28,900	September .....	29,150	28,750	29,000	27,850	28,650
October .....	(NA)	30,650	29,300	29,400	29,100	October .....	(NA)	28,900	29,250	27,500	28,950
November .....	29,750	30,450	29,250	29,250	28,850	November .....	28,700	28,700	29,200	27,550	28,750
Final .....	29,850	30,450	29,150	29,250		Final .....	28,700	28,700	29,200	27,550	
<b>Iowa</b>						<b>Non-irrigated</b>					
September .....	29,700	30,350	30,950	30,550	30,600	September .....	21,200	22,900	23,650	22,850	22,600
October .....	(NA)	30,150	30,800	30,400	30,600	October .....	(NA)	22,550	23,550	22,550	22,800
November .....	29,500	30,150	30,850	30,500	30,600	November .....	20,950	22,250	23,550	22,550	22,900
Final .....	29,550	30,150	30,850	30,500		Final .....	20,950	22,250	23,550	22,550	
<b>Kansas</b>						<b>Ohio</b>					
September .....	22,500	24,450	23,300	22,650	22,800	September .....	28,350	29,200	29,650	29,750	29,500
October .....	(NA)	24,000	23,700	22,450	22,600	October .....	(NA)	29,700	29,650	29,200	29,250
November .....	22,200	24,000	23,650	22,450	22,650	November .....	28,200	29,600	29,600	29,600	29,150
Final .....	22,200	24,000	23,650	22,450		Final .....	28,300	29,600	29,600	29,600	
<b>Minnesota</b>						<b>South Dakota</b>					
September .....	30,750	31,050	30,500	30,550	30,750	September .....	25,600	24,850	26,200	25,650	26,250
October .....	(NA)	31,050	30,400	30,350	30,850	October .....	(NA)	24,400	25,900	25,350	26,150
November .....	30,850	30,750	30,450	30,250	30,850	November .....	25,300	24,450	25,750	25,450	26,200
Final .....	30,850	30,950	30,450	30,250		Final .....	25,300	24,450	25,750	25,450	
<b>Missouri</b>						<b>Wisconsin</b>					
September .....	26,950	27,800	27,350	26,900	27,750	September .....	28,900	30,000	29,500	29,300	28,950
October .....	(NA)	27,950	26,900	27,150	27,800	October .....	(NA)	29,750	28,950	28,900	28,800
November .....	27,050	27,900	26,850	27,150	27,850	November .....	28,900	29,550	28,600	28,750	28,600
Final .....	27,100	27,900	26,850	27,150		Final .....	28,850	29,700	28,600	28,750	
						<b>10-State</b>					
						September .....	28,350	29,000	29,050	28,550	28,550
						October .....	(NA)	28,850	28,950	28,350	28,550
						November .....	28,250	28,750	28,900	28,400	28,500
						Final .....	28,300	28,750	28,900	28,400	

(NA) Not available.

## Corn Objective Yield Percent of Samples Processed in the Lab – United States: 2013-2017

[Blank data cells indicated estimation period has not yet begun]

Year	October		November	
	Dent stage <sup>1</sup>	Mature <sup>2</sup>	Dent stage <sup>1</sup>	Mature <sup>2</sup>
	(percent)	(percent)	(percent)	(percent)
2013 .....	(NA)	(NA)	(Z)	86
2014 .....	39	53	(Z)	96
2015 .....	16	70	(Z)	96
2016 .....	17	73	(Z)	96
2017 .....	41	51	(Z)	96

(NA) Not available.

(Z) Less than half of the unit shown.

<sup>1</sup> Includes corn in the dent stage of development. Ears are firm and solid. Kernels fully dented with no milk present in most kernels.

<sup>2</sup> Includes that portion of the crop that is mature and ready for harvest. No green foliage is present.

## Corn for Grain Percentage Distribution by Plant Population Per Acre – Selected States: 2013-2017

State and year	Plant populations					
	Less than 20,000	20,000- 22,500	22,501- 25,000	25,001- 27,500	27,501- 30,000	More than 30,000
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Illinois .....2013	0.9	0.5	4.5	9.9	22.1	62.1
.....2014	1.3	1.8	2.7	10.7	20.1	63.4
.....2015	-	1.3	1.8	7.9	17.2	71.8
.....2016	0.9	0.5	4.3	11.8	18.0	64.5
.....2017	0.5	1.4	3.8	11.5	20.6	62.2
Indiana .....2013	2.7	2.7	6.3	8.0	26.8	53.5
.....2014	3.0	0.7	4.5	11.2	24.6	56.0
.....2015	4.6	1.5	4.6	11.5	20.8	57.0
.....2016	1.7	1.7	8.3	11.6	19.8	56.9
.....2017	5.7	4.9	6.5	13.0	21.1	48.8
Iowa .....2013	0.9	2.8	4.2	11.7	25.4	55.0
.....2014	0.8	2.8	1.2	8.3	20.5	66.4
.....2015	0.4	0.8	2.4	4.9	15.5	76.0
.....2016	0.4	1.8	2.2	8.9	22.7	64.0
.....2017	1.3	3.4	2.1	5.9	13.5	73.8
Kansas .....2013	30.6	10.9	12.9	14.9	17.8	12.9
.....2014	29.3	6.9	23.3	8.6	19.0	12.9
.....2015	20.2	18.2	11.1	27.2	6.1	17.2
.....2016	27.9	14.8	19.4	12.0	17.6	8.3
.....2017	24.3	21.2	17.2	21.2	12.1	4.0
Minnesota .....2013	-	1.9	5.6	6.5	17.6	68.4
.....2014	0.7	2.1	5.7	8.5	18.4	64.6
.....2015	-	1.6	3.1	11.0	22.8	61.5
.....2016	0.8	3.0	4.5	11.4	21.2	59.1
.....2017	2.8	4.6	5.5	7.3	12.8	67.0
Missouri .....2013	1.8	8.3	14.7	24.8	28.4	22.0
.....2014	4.7	9.3	11.2	17.8	30.8	26.2
.....2015	6.6	3.3	15.4	28.5	25.3	20.9
.....2016	3.0	6.0	14.0	28.0	23.0	26.0
.....2017	1.9	1.0	15.5	26.2	26.2	29.2
Nebraska .....2013	15.9	10.1	10.6	19.0	20.1	24.3
.....2014	13.4	8.4	15.6	18.4	17.9	26.3
.....2015	8.4	7.8	15.6	16.8	21.2	30.2
.....2016	9.6	10.1	16.3	20.2	19.7	24.1
.....2017	16.8	6.3	12.6	19.4	17.8	27.1
Ohio .....2013	3.4	3.4	4.5	25.8	29.2	33.7
.....2014	5.5	1.8	5.5	8.3	35.8	43.1
.....2015	4.4	1.8	2.7	8.0	21.2	61.9
.....2016	1.9	2.9	1.0	9.6	26.9	57.7
.....2017	2.7	4.4	7.1	15.0	25.7	45.1
South Dakota .....2013	11.8	10.5	23.7	27.7	14.5	11.8
.....2014	19.7	14.5	10.5	29.0	18.4	7.9
.....2015	12.1	5.5	17.6	20.9	26.3	17.6
.....2016	13.2	5.3	17.1	26.3	18.4	19.7
.....2017	8.2	13.7	16.4	15.1	26.1	20.5
Wisconsin .....2013	3.4	3.4	8.0	17.2	14.9	53.1
.....2014	2.1	4.2	4.2	9.4	27.1	53.0
.....2015	2.4	2.4	7.3	14.6	23.2	50.1
.....2016	2.4	4.9	3.7	11.0	18.3	59.7
.....2017	3.9	2.6	6.6	19.7	21.1	46.1

- Represents zero.

## Corn for Grain Frequency of Farmer Reported Row Widths – Selected States: 2013-2017

State and year	Row width (inches)				
	Less than 30	30	36	38	More than 38
	(number)	(number)	(number)	(number)	(number)
Illinois ..... 2013	10	210	7	2	-
..... 2014	8	220	2	1	-
..... 2015	11	222	1	1	-
..... 2016	6	218	-	1	-
..... 2017	6	210	4	1	-
Indiana ..... 2013	5	122	1	3	1
..... 2014	10	128	4	2	-
..... 2015	8	124	3	1	-
..... 2016	8	118	1	1	1
..... 2017	7	117	-	-	-
Iowa ..... 2013	9	214	5	8	-
..... 2014	15	234	3	3	1
..... 2015	7	241	3	1	-
..... 2016	12	213	4	4	-
..... 2017	2	236	3	3	-
Kansas ..... 2013	2	105	-	-	-
..... 2014	9	111	1	-	-
..... 2015	2	105	3	-	-
..... 2016	8	105	-	-	-
..... 2017	2	106	2	-	-
Minnesota ..... 2013	35	104	3	1	-
..... 2014	26	105	4	3	1
..... 2015	29	118	1	-	-
..... 2016	27	113	2	-	-
..... 2017	27	89	2	-	-
Missouri ..... 2013	2	104	3	5	-
..... 2014	3	105	2	4	-
..... 2015	2	101	2	1	-
..... 2016	5	96	1	2	-
..... 2017	3	101	5	2	-
Nebraska ..... 2013	3	169	29	1	-
..... 2014	7	142	38	1	-
..... 2015	5	166	18	-	-
..... 2016	-	162	23	-	-
..... 2017	2	169	23	2	-
Ohio ..... 2013	3	107	1	1	-
..... 2014	2	107	1	2	-
..... 2015	2	110	4	1	2
..... 2016	4	105	-	1	-
..... 2017	2	109	1	1	-
South Dakota ..... 2013	8	82	2	1	-
..... 2014	5	81	2	3	1
..... 2015	13	78	1	2	-
..... 2016	5	71	4	1	2
..... 2017	6	75	1	1	-
Wisconsin ..... 2013	8	91	4	2	-
..... 2014	8	91	2	2	-
..... 2015	4	91	3	1	1
..... 2016	2	84	2	2	-
..... 2017	4	83	5	1	-

- Represents zero.

**Corn for Grain Percentage Distribution by Measured Row Width and Average Row Width – Selected States: 2013-2017**

State and year	Samples (number)	Row width (inches)						Average row width (inches)	
		20.5 or less (percent)	20.6- 30.5 (percent)	30.6- 34.5 (percent)	34.6- 36.5 (percent)	36.6- 38.5 (percent)	38.6 or greater (percent)		
Illinois .....	2013	222	3.6	81.4	12.6	1.4	0.5	0.5	29.9
	2014	224	2.2	79.0	17.0	-	1.8	-	30.0
	2015	227	4.0	78.9	16.7	-	0.4	-	29.7
	2016	211	2.4	87.6	9.5	-	-	0.5	29.8
	2017	209	1.4	85.1	12.0	0.5	0.5	0.5	30.1
Indiana .....	2013	112	6.3	70.5	20.5	-	2.7	-	29.7
	2014	134	5.2	79.9	11.9	1.5	1.5	-	29.7
	2015	130	4.6	77.7	13.1	1.5	2.3	0.8	29.8
	2016	121	3.3	72.7	22.3	1.7	-	-	29.8
	2017	123	2.4	78.9	17.9	0.8	-	-	29.8
Iowa .....	2013	213	1.4	76.5	16.0	2.8	3.3	-	30.3
	2014	254	5.1	72.0	18.9	1.6	2.0	0.4	30.0
	2015	245	2.4	76.8	19.2	1.6	-	-	30.0
	2016	225	2.2	76.9	19.1	0.9	0.9	-	30.0
	2017	237	0.8	76.4	19.0	0.4	3.0	0.4	30.4
Kansas .....	2013	101	-	81.2	17.8	1.0	-	-	30.2
	2014	116	4.3	75.0	19.0	1.7	-	-	29.8
	2015	99	2.0	74.8	20.2	2.0	1.0	-	30.2
	2016	108	4.6	85.2	10.2	-	-	-	29.6
	2017	99	2.0	75.8	21.2	-	-	1.0	30.1
Minnesota .....	2013	108	1.9	81.4	13.9	2.8	-	-	28.6
	2014	141	2.8	78.8	13.5	2.8	1.4	0.7	29.1
	2015	127	3.1	85.9	10.2	0.8	-	-	28.5
	2016	132	2.3	78.0	17.4	0.8	1.5	-	28.8
	2017	109	4.6	81.6	8.3	0.9	3.7	0.9	28.9
Missouri .....	2013	109	-	82.5	10.1	3.7	2.8	0.9	30.5
	2014	107	0.9	71.0	18.7	4.7	4.7	-	30.6
	2015	91	-	73.6	24.2	-	2.2	-	30.4
	2016	100	1.0	76.0	20.0	1.0	2.0	-	30.0
	2017	103	1.9	66.1	25.2	3.9	1.0	1.9	30.4
Nebraska .....	2013	189	1.6	65.1	18.0	7.9	7.4	-	31.0
	2014	179	1.7	58.0	19.6	17.3	3.4	-	31.2
	2015	179	2.2	71.6	15.1	8.9	2.2	-	30.7
	2016	178	-	65.2	20.2	9.0	4.5	1.1	31.2
	2017	191	-	70.7	15.7	9.4	4.2	-	31.0
Ohio .....	2013	89	1.1	80.9	18.0	-	-	-	30.1
	2014	109	0.9	83.5	13.8	-	0.9	0.9	30.2
	2015	113	1.8	74.2	20.4	2.7	-	0.9	30.4
	2016	104	4.8	81.7	10.6	1.9	1.0	-	29.8
	2017	113	0.9	83.2	15.0	0.9	-	-	30.0
South Dakota .....	2013	76	1.3	86.9	6.6	3.9	1.3	-	29.9
	2014	76	2.6	75.1	17.1	1.3	-	3.9	30.4
	2015	91	3.3	72.5	19.8	2.2	2.2	-	29.7
	2016	76	2.6	64.5	26.3	4.0	1.3	1.3	30.4
	2017	73	8.2	61.6	28.8	-	1.4	-	29.6
Wisconsin .....	2013	87	4.6	64.5	26.4	3.4	1.1	-	30.1
	2014	96	6.3	70.7	18.8	-	2.1	2.1	29.8
	2015	82	2.4	63.5	30.5	2.4	-	1.2	30.0
	2016	82	1.2	72.0	22.0	1.2	1.2	2.4	30.5
	2017	76	1.3	61.9	28.9	5.3	1.3	1.3	30.5

- Represents zero.



## Cotton Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in six cotton-producing States during 2017. Randomly selected plots in cotton fields were visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are actual field counts from this survey.

### Cotton Cumulative Boll Counts – Selected States: 2013-2017

[Includes small bolls (less than one inch in diameter), large unopened bolls (at least one inch in diameter), open bolls, partially opened bolls, and burrs per 40 feet of row. November, December, and Final exclude small bolls. Blank data cells indicate estimation period has not yet begun]

State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)
<b>Arkansas</b>					
September .....	1,025	910	763	800	911
October .....	(NA)	741	769	769	839
November .....	855	771	856	779	825
December .....	862	773	856	779	
Final .....	862	773	856	779	
<b>Georgia</b>					
September .....	481	660	645	562	593
October .....	(NA)	660	630	668	608
November .....	663	717	748	719	680
December .....	669	718	759	725	
Final .....	670	719	759	725	
<b>Louisiana</b>					
September .....	806	745	676	654	648
October .....	(NA)	876	776	760	667
November .....	857	877	794	784	665
December .....	857	877	793	784	
Final .....	857	877	793	784	
<b>Mississippi</b>					
September .....	925	843	887	953	904
October .....	(NA)	808	839	942	810
November .....	906	861	898	974	804
December .....	907	861	898	974	
Final .....	907	861	898	974	
<b>North Carolina</b>					
September .....	532	604	551	558	637
October .....	(NA)	629	620	599	705
November .....	636	765	624	660	769
December .....	668	764	632	660	
Final .....	668	764	632	660	
<b>Texas</b>					
September .....	547	485	566	467	592
October .....	(NA)	373	442	474	602
November .....	517	453	481	528	603
December .....	526	461	492	547	
Final .....	525	482	495	546	
<b>6-State</b>					
September .....	580	564	601	532	633
October .....	(NA)	487	518	554	635
November .....	608	561	571	604	649
December .....	614	566	581	618	
Final .....	617	587	583	618	

(NA) Not available.

## Soybean Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 11 soybean-producing States during 2017. Randomly selected plots in soybean fields are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are actual field counts from this survey.

### Soybean Pods with Beans per 18 Square Feet – Selected States: 2013-2017

[Blank data cells indicate estimation period has not yet begun]

State and month	2013	2014	2015	2016	2017	State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Arkansas</b>						<b>Missouri</b>					
September .....	1,864	1,925	1,729	1,884	1,992	September .....	1,528	2,050	1,612	1,881	2,041
October .....	(NA)	1,960	1,737	1,805	1,898	October .....	(NA)	1,969	1,755	2,006	2,172
November .....	1,864	1,999	1,813	1,820	2,039	November .....	1,522	2,055	1,869	2,123	2,253
Final .....	1,734	1,999	1,818	1,826		Final .....	1,500	2,043	1,899	2,164	
<b>Illinois</b>						<b>Nebraska</b>					
September .....	1,682	1,922	1,980	1,969	1,917	September .....	1,671	1,634	1,816	1,947	1,653
October .....	(NA)	1,913	2,052	2,109	1,886	October .....	(NA)	1,707	1,863	2,036	1,795
November .....	1,713	1,964	2,086	2,193	1,947	November .....	1,801	1,743	1,884	2,074	1,853
Final .....	1,697	1,968	2,079	2,197		Final .....	1,801	1,743	1,884	2,074	
<b>Indiana</b>						<b>North Dakota</b>					
September .....	1,638	1,518	1,641	1,683	1,795	September .....	1,275	1,281	1,321	1,395	1,406
October .....	(NA)	1,634	1,703	1,775	1,772	October .....	(NA)	1,266	1,330	1,444	1,430
November .....	1,696	1,661	1,691	1,873	1,774	November .....	1,336	1,454	1,337	1,442	1,465
Final .....	1,705	1,660	1,691	1,873		Final .....	1,336	1,459	1,337	1,470	
<b>Iowa</b>						<b>Ohio</b>					
September .....	1,414	1,621	1,779	1,808	1,644	September .....	1,889	1,882	1,621	1,773	1,765
October .....	(NA)	1,690	1,805	1,801	1,670	October .....	(NA)	1,835	1,691	1,715	1,714
November .....	1,538	1,772	1,834	1,861	1,717	November .....	1,780	1,796	1,776	1,782	1,828
Final .....	1,531	1,768	1,834	1,890		Final .....	1,799	1,796	1,776	1,782	
<b>Kansas</b>						<b>South Dakota</b>					
September .....	1,295	1,303	1,285	1,467	1,487	September .....	1,508	1,533	1,541	1,561	1,511
October .....	(NA)	1,384	1,602	1,643	1,472	October .....	(NA)	1,485	1,557	1,639	1,472
November .....	1,319	1,428	1,715	1,720	1,561	November .....	1,543	1,498	1,563	1,709	1,457
Final .....	1,360	1,453	1,715	1,737		Final .....	1,489	1,501	1,563	1,665	
<b>Minnesota</b>						<b>11-State</b>					
September .....	1,433	1,414	1,637	1,614	1,359	September .....	1,555	1,651	1,672	1,741	1,678
October .....	(NA)	1,431	1,644	1,625	1,407	October .....	(NA)	1,667	1,731	1,800	1,692
November .....	1,400	1,434	1,612	1,658	1,480	November .....	1,589	1,719	1,763	1,862	1,751
Final .....	1,418	1,434	1,612	1,658		Final .....	1,580	1,720	1,764	1,870	

(NA) Not available.

## Soybean Frequency of Farmer Reported Row Widths – Selected States: 2013-2017

State and year	Row width (inches)				
	Less than 7.5 <sup>1</sup>	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
Arkansas ..... 2013	7	59	42	30	56
..... 2014	10	53	50	27	65
..... 2015	8	41	34	32	77
..... 2016	5	31	46	36	73
..... 2017	9	25	42	39	79
Illinois ..... 2013	3	18	91	63	-
..... 2014	6	15	102	60	-
..... 2015	2	15	111	52	1
..... 2016	1	15	105	57	1
..... 2017	2	10	109	59	2
Indiana ..... 2013	2	20	98	17	1
..... 2014	2	21	110	13	2
..... 2015	2	17	103	15	-
..... 2016	1	27	91	17	2
..... 2017	3	28	101	12	-
Iowa ..... 2013	2	1	78	93	3
..... 2014	1	3	74	104	2
..... 2015	4	4	76	92	4
..... 2016	1	6	73	100	2
..... 2017	1	3	80	94	1
Kansas ..... 2013	2	22	52	43	-
..... 2014	6	18	35	53	-
..... 2015	5	13	38	56	-
..... 2016	6	8	38	57	-
..... 2017	10	14	32	43	2
Minnesota ..... 2013	1	6	45	39	-
..... 2014	6	8	32	36	1
..... 2015	4	7	42	50	1
..... 2016	5	8	40	36	1
..... 2017	1	9	38	42	-
Missouri ..... 2013	-	23	76	15	8
..... 2014	2	14	74	17	6
..... 2015	1	17	50	15	8
..... 2016	-	14	71	19	5
..... 2017	1	10	70	21	4
Nebraska ..... 2013	-	9	36	51	9
..... 2014	-	4	30	58	4
..... 2015	1	4	31	62	8
..... 2016	-	10	36	46	3
..... 2017	1	4	38	51	8

See footnote(s) at end of table.

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**Soybean Frequency of Farmer Reported Row Widths – Selected States: 2013-2017 (continued)**

State and year	Row width (inches)				
	Less than 7.5 <sup>1</sup>	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
North Dakota .....2013	6	10	51	20	1
.....2014	12	17	51	14	-
.....2015	5	19	68	12	-
.....2016	8	17	55	15	-
.....2017	5	16	56	7	1
Ohio .....2013	8	60	70	3	1
.....2014	6	47	72	8	-
.....2015	2	45	76	9	-
.....2016	3	41	84	7	-
.....2017	2	38	83	8	-
South Dakota .....2013	4	5	23	55	1
.....2014	8	3	23	47	1
.....2015	2	3	12	65	1
.....2016	3	4	27	59	2
.....2017	1	4	27	63	1

- Represents zero.

<sup>1</sup> Includes broadcast soybeans.

**Soybean Objective Yield Percent of Samples Processed in the Lab – United States: 2013-2017**

[Blank data cells indicate estimation period has not yet begun]

Year	October	November
	Mature <sup>1</sup>	Mature <sup>1</sup>
	(percent)	(percent)
2013 .....	(NA)	73
2014 .....	35	92
2015 .....	54	95
2016 .....	53	93
2017 .....	49	93

(NA) Not available.

<sup>1</sup> Includes soybeans with brown pods and are considered mature or almost mature.

**Soybean Percentage Distribution by Measured Row Width and Average Row Width – Selected States: 2013-2017**

State and year	Samples	Row width (inches)					Average row width <sup>1</sup>	
		10.0 or less <sup>1</sup>	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater		
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)	
Arkansas .....	2013	184	26.4	27.7	25.3	11.9	8.7	18.3
	2014	208	20.7	24.1	29.9	12.8	12.5	20.1
	2015	199	19.1	16.8	23.6	14.6	25.9	23.1
	2016	189	14.6	24.1	4.0	21.2	36.1	26.0
	2017	199	16.1	24.1	2.3	19.6	37.9	26.5
Illinois .....	2013	178	11.5	51.4	3.1	34.0	-	19.7
	2014	185	10.3	52.7	3.8	33.2	-	19.7
	2015	178	7.1	63.0	2.3	26.8	0.8	19.0
	2016	177	7.9	56.5	5.6	29.4	0.6	19.6
	2017	181	6.1	50.6	5.0	37.7	0.6	20.8
Indiana .....	2013	137	15.6	69.6	4.5	9.6	0.7	16.0
	2014	143	15.0	66.4	9.1	9.5	-	16.0
	2015	137	15.4	67.4	5.9	11.3	-	16.1
	2016	137	14.7	62.3	8.4	13.9	0.7	17.0
	2017	141	14.6	68.3	9.3	7.8	-	15.8
Iowa .....	2013	177	3.1	34.4	10.8	49.7	2.0	23.5
	2014	185	2.2	33.6	7.0	55.6	1.6	24.3
	2015	181	2.8	36.7	9.1	49.2	2.2	23.4
	2016	179	2.2	34.4	11.2	50.5	1.7	23.7
	2017	180	1.1	34.4	12.8	50.6	1.1	23.7
Kansas .....	2013	118	11.1	52.2	3.4	33.3	-	19.2
	2014	113	9.3	41.1	5.8	43.8	-	21.2
	2015	111	11.7	38.3	4.5	45.5	-	21.5
	2016	109	5.5	34.6	4.6	54.4	0.9	23.5
	2017	105	9.0	38.1	5.7	47.2	-	21.8
Minnesota .....	2013	97	6.3	29.7	21.9	41.1	1.0	22.7
	2014	81	11.2	18.6	25.5	42.8	1.9	22.8
	2015	89	5.1	21.9	20.8	52.2	-	24.0
	2016	84	11.3	28.0	23.8	36.9	-	21.6
	2017	88	7.4	23.3	18.8	50.5	-	23.5
Missouri .....	2013	120	15.0	61.7	2.5	15.0	5.8	17.8
	2014	115	12.2	57.4	7.8	18.3	4.3	18.4
	2015	86	16.7	56.6	7.7	11.9	7.1	17.9
	2016	104	3.8	70.7	2.4	16.8	6.3	18.9
	2017	106	9.4	63.7	5.7	19.3	1.9	18.3
Nebraska .....	2013	104	4.4	32.5	4.4	51.0	7.7	24.4
	2014	95	2.6	28.4	7.9	55.8	5.3	24.8
	2015	105	2.4	29.5	6.3	54.1	7.7	24.5
	2016	94	7.4	35.6	5.9	46.8	4.3	22.8
	2017	100	4.0	31.0	10.5	47.0	7.5	24.2

See footnote(s) at end of table.

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**Soybean Percentage Distribution by Measured Row Width and Average Row Width – Selected States:  
2013-2017 (continued)**

State and year	Samples	Row width (inches)					Average row width <sup>1</sup>
		10.0 or less <sup>1</sup>	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater	
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)
North Dakota .....	2013 89	13.5	44.9	20.8	20.8	-	18.7
	2014 91	20.4	47.0	20.4	12.2	-	16.6
	2015 104	13.5	45.7	29.3	11.5	-	17.6
	2016 95	20.1	42.9	20.1	16.9	-	17.7
	2017 84	17.3	55.3	17.9	8.3	1.2	16.2
Ohio .....	2013 142	37.3	51.8	6.7	3.5	0.7	13.2
	2014 130	35.0	60.0	1.2	3.8	-	13.1
	2015 132	32.7	57.0	5.0	5.3	-	13.8
	2016 137	32.1	60.3	1.8	5.8	-	13.7
	2017 134	25.4	66.4	2.6	5.6	-	14.1
South Dakota .....	2013 89	6.7	18.0	15.2	57.9	2.2	25.5
	2014 81	4.3	25.3	12.4	54.3	3.7	24.8
	2015 83	5.0	10.5	14.2	69.1	1.2	26.6
	2016 96	1.6	23.0	17.3	53.4	4.7	25.1
	2017 93	2.7	17.8	16.2	61.7	1.6	25.9

- Represents zero.

<sup>1</sup> Broadcast soybeans included as "10.0 inches or less" but excluded in computation of average width.

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## Fall Potato Objective Yield Data

The National Agricultural Statistics Service collects variety data in seven States, accounting for 83 percent of the 2017 United States fall potato planted acres. The seven States conduct objective yield surveys where all producing areas are sampled in proportion to planted acreage. Variety data shown below are actual percentages from these surveys.

### Percent of Fall Potatoes Planted to Major Varieties – Selected States: 2017 Crop

State and variety	Percent of planted acres	State and variety	Percent of planted acres
<b>Idaho</b>		<b>Oregon</b>	
Russet Burbank .....	48.3	Norkotah .....	18.4
R Norkotah .....	17.1	Russet Burbank .....	14.4
Ranger R .....	14.4	Umatillas .....	13.2
Umatillas .....	2.4	Frito-Lay .....	12.0
Clearwater .....	2.4	Ranger .....	10.7
Bannock .....	2.3	Shepody .....	7.6
Nor Donna .....	2.0	Alturas .....	7.0
Dark Red Norland .....	1.9	Lamoka .....	2.9
Frito-Lay .....	1.2	Clearwater .....	2.8
Agata .....	1.0	Ciklamen .....	2.2
Other .....	7.0	Dakota Pearl .....	1.7
<b>Maine</b>		<b>Washington</b>	
Russet Burbank .....	41.7	Yukon Gold .....	1.7
Frito-Lay .....	12.2	Premier .....	1.6
R Norkotah .....	6.7	Agata .....	1.1
Caribou .....	3.3	Other .....	2.7
Snowden .....	2.6	<b>Wisconsin</b>	
Norland .....	2.6	Frito-Lay .....	22.8
Lamoka .....	2.5	Russet Burbank .....	19.9
Keuka Gold .....	2.5	R Norkotah .....	6.9
Norwis .....	2.3	Silverton .....	6.7
Russet Nugget .....	2.0	Umatillas .....	6.4
Nadine .....	2.0	Snowden .....	5.6
Atlantic .....	1.7	Norland .....	5.6
Superior .....	1.6	Goldrush .....	5.5
Blazer R .....	1.5	Lamoka .....	3.3
Waneta .....	1.5	Atlantic .....	2.4
Shepody .....	1.3	Dark Red Norland .....	2.2
Goldrush .....	1.1	Superior .....	2.2
Other .....	10.9	Pinnacle .....	1.3
<b>Minnesota</b>		<b>Other</b>	
Russet Burbank .....	60.1		14.7
Umatilla R .....	12.3		
Norland .....	8.2		
Dark Red Norland .....	5.1		
Cascade .....	1.8		
Goldrush .....	1.6		
Dakota Rose .....	1.3		
Alpine .....	1.2		
Dakota Russet .....	1.2		
Dakota Pearl .....	1.2		
Other .....	6.0		
<b>North Dakota</b>			
Russet Burbank .....	29.2		
Umatilla .....	14.7		
Prospect .....	12.7		
Norland .....	9.1		
Dark Red Norland .....	6.8		
Dakota Pearl .....	4.6		
Bannock .....	3.2		
Dakota Russet .....	2.8		
Sangre .....	2.5		
Red Pontiac .....	1.8		
Milva .....	1.4		
Red la Soda .....	1.4		
Other .....	9.8		



## Percent of Fall Potatoes Planted to Major Varieties – Seven-State Total: 2017 Crop

[The Seven State total includes Idaho, Maine, Minnesota, North Dakota, Oregon, Washington, and Wisconsin]

Variety	Percent of planted acres	Variety	Percent of planted acres
Russet Burbank .....	38.0	Pike .....	0.2
R Norkotah .....	10.4	Red la Soda .....	0.2
Ranger R .....	8.9	Waneta .....	0.2
Umatilla R .....	7.8	Premier .....	0.2
Frito-Lay .....	3.6	Colorado Rose .....	0.2
Norland .....	2.3	Caribou .....	0.2
Dark Red Norland .....	2.2	Nadine .....	0.2
Clearwater .....	2.1	Milva .....	0.2
Shepody .....	1.9	Alpine .....	0.2
Bannock .....	1.6	Cascade .....	0.2
Prospect .....	1.6	Cal White .....	0.2
Alturas .....	1.6	Dakota Rose .....	0.2
Chieftain .....	1.3	Keuka Gold .....	0.1
Lamoka .....	0.8	Norwis .....	0.1
Snowden .....	0.8	White Pearl .....	0.1
Nor Donna .....	0.8	Western Russet .....	0.1
Dakota Pearl .....	0.7	Ivory Russet .....	0.1
Agata .....	0.7	Cultivate .....	0.1
Goldrush .....	0.6	Russet Nugget .....	0.1
Atlantic .....	0.5	Challenger .....	0.1
Silverton .....	0.5	Pinnacle .....	0.1
Dakota Russet .....	0.5	Blazer .....	0.1
Satina .....	0.4	Ivory Crisp .....	0.1
Ciklamen .....	0.4	Alegria .....	0.1
Sangre .....	0.3	Dakota Crisp .....	0.1
Teton .....	0.3	Cecile .....	0.1
Yukon Gold .....	0.3	Manistee .....	0.1
Superior .....	0.3	Elfe .....	0.1
Red Pontiac .....	0.3	Purple Majesty .....	0.1
Classic .....	0.2	Almera .....	0.1
		Other .....	4.1

## Potato Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in seven fall potato-producing States during 2017. Sample plots were located in potato fields randomly selected using a scientifically designed sampling procedure. Field workers recorded counts and measurements within the field and then harvested six hills per sample. Potatoes were sent to laboratories for sizing and grading according to accepted United States fresh grading standards. Data in these tables are rounded actual field counts from this survey.

### Fall Potato Number of Hills by Type – Selected States: 2013-2017

State and year	Reds		Whites		Yellows		Russets		
	Samples	Average number of hills per acre	Samples	Average number of hills per acre	Samples	Average number of hills per acre	Samples	Average number of hills per acre	
	(number)	(number)	(number)	(number)	(number)	(number)	(number)	(number)	
Idaho .....	2013	7	12,944	6	12,565	(D)	(D)	188	12,793
	2014	5	14,147	7	13,051	3	13,419	174	12,875
	2015	8	13,960	6	12,780	(D)	(D)	182	12,720
	2016	6	14,349	5	12,082	(D)	(D)	184	12,233
	2017	8	15,190	6	13,232	6	15,173	151	12,927
Maine .....	2013	8	13,306	56	13,468	9	12,427	41	10,005
	2014	7	13,315	35	12,190	11	13,643	65	10,627
	2015	8	13,183	43	13,106	9	11,434	85	10,029
	2016	10	13,322	53	13,331	11	12,479	74	9,679
	2017	4	12,563	36	13,962	5	12,125	65	10,865
Minnesota .....	2013	33	13,150	9	11,666	-	-	91	12,348
	2014	35	11,952	8	12,390	(D)	(D)	88	11,533
	2015	31	13,705	9	12,629	(D)	(D)	82	13,416
	2016	18	12,998	6	13,211	-	-	101	13,663
	2017	13	12,784	6	11,563	(D)	(D)	64	12,830
North Dakota .....	2013	22	10,496	39	11,057	5	13,161	68	12,406
	2014	19	11,008	32	10,985	(D)	(D)	78	11,772
	2015	16	12,688	31	12,090	4	17,154	83	13,297
	2016	9	10,017	34	12,441	(D)	(D)	96	14,135
	2017	33	12,202	33	13,035	7	12,697	78	13,711
Oregon .....	2013	(D)	(D)	14	12,926	(D)	(D)	60	12,627
	2014	4	9,772	17	11,584	3	10,663	76	12,848
	2015	4	13,138	16	11,269	3	11,195	70	12,864
	2016	(D)	(D)	25	10,945	-	-	60	11,449
	2017	3	12,376	28	13,097	3	11,063	56	12,814
Washington .....	2013	5	18,686	12	15,693	(D)	(D)	80	15,271
	2014	3	17,070	13	15,419	7	20,933	111	14,663
	2015	6	20,170	12	15,669	5	13,988	104	14,867
	2016	5	17,745	16	14,726	4	17,932	103	14,119
	2017	8	18,363	8	13,427	4	14,721	78	14,058
Wisconsin .....	2013	13	16,048	43	14,327	3	17,259	49	12,545
	2014	6	14,455	41	14,320	5	15,272	65	12,233
	2015	6	16,044	42	15,375	(D)	(D)	60	13,302
	2016	12	16,864	43	15,544	(D)	(D)	52	13,310
	2017	12	17,560	48	15,739	(D)	(D)	43	12,957

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

## Fall Potato Harvest Loss by Type – Selected States: 2013-2017

State and year	Reds (cwt per acre)	Whites (cwt per acre)	Yellows (cwt per acre)	Russets (cwt per acre)	All types (cwt per acre)	
Idaho .....	2013	(D)	18	-	29	27
	2014	(D)	-	-	23	23
	2015	(D)	(D)	(D)	17	17
	2016	-	(D)	-	22	22
	2017	(D)	(D)	(D)	24	22
Maine .....	2013	13	(D)	(D)	(D)	15
	2014	28	15	(D)	19	18
	2015	(D)	17	(D)	24	20
	2016	11	12	-	24	19
	2017	(D)	8	(D)	17	13
Minnesota .....	2013	12	(D)	-	33	29
	2014	16	(D)	-	39	32
	2015	19	(D)	-	43	36
	2016	14	(D)	-	33	30
	2017	(D)	-	-	25	24
North Dakota .....	2013	20	34	(D)	53	40
	2014	15	34	-	34	31
	2015	18	23	(D)	32	27
	2016	(D)	31	(D)	50	44
	2017	11	29	(D)	44	33
Oregon .....	2013	-	(D)	-	21	24
	2014	(D)	24	-	16	17
	2015	(D)	(D)	-	29	27
	2016	(D)	21	-	16	17
	2017	(D)	20	-	21	21
Washington .....	2013	(D)	(D)	-	20	19
	2014	-	33	-	18	20
	2015	-	14	-	15	15
	2016	(D)	34	-	23	26
	2017	-	(D)	-	18	18
Wisconsin .....	2013	(D)	37	(D)	14	22
	2014	(D)	12	(D)	15	13
	2015	(D)	29	-	19	22
	2016	8	11	-	20	14
	2017	-	13	-	11	12

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

## Fall Potato Grading Categories by Type – Selected States: 2016 and 2017

[Gross yield basis]

Type and State	No. 1 2 inch minimum <sup>1</sup>		No. 2 or processing usable 1 1/2 inch minimum <sup>1</sup>		Cull <sup>2</sup>	
	2016 (percent)	2017 (percent)	2016 (percent)	2017 (percent)	2016 (percent)	2017 (percent)
<b>Round red potatoes</b>						
Minnesota .....	74.1	77.1	18.0	19.9	7.9	3.0
North Dakota .....	(D)	80.9	(D)	13.5	(D)	5.6
Wisconsin .....	78.8	76.2	20.7	23.7	0.5	0.1
<b>Round white potatoes</b>						
Maine <sup>3</sup> .....	85.0	88.6	7.4	10.9	7.6	0.5
North Dakota .....	(D)	67.8	(D)	24.4	(D)	7.8
Oregon .....	91.6	87.7	5.6	6.8	2.8	5.5
Wisconsin .....	85.1	82.8	14.8	17.2	0.1	-
<b>All long potatoes <sup>4</sup></b>						
Idaho <sup>5</sup> .....	82.0	79.7	13.4	15.0	4.6	5.3
Maine <sup>3</sup> .....	87.6	83.2	6.0	16.1	6.4	0.7
Minnesota .....	71.9	73.7	21.8	21.5	6.3	4.8
North Dakota .....	72.3	77.9	18.9	18.2	8.8	3.9
Oregon .....	80.5	80.8	15.0	14.7	4.5	4.5
Washington .....	82.4	86.6	12.2	9.7	5.4	3.7
Wisconsin .....	78.1	78.9	21.8	20.2	0.1	0.9

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Potatoes which meet the requirements for United States #1 or #2, as stated in United States Standards for Grades of Potatoes, United States Department of Agriculture, Agricultural Marketing Service.

<sup>2</sup> Potatoes not meeting the requirements for United States #1 or #2, as stated in United States Standards for Grades of Potatoes, United States Department of Agriculture, Agricultural Marketing Service.

<sup>3</sup> Percent of net yield adjusted for field loss.

<sup>4</sup> Includes Russet, Shepody, Prospect, and Defender varieties unless otherwise indicated.

<sup>5</sup> Russets only.

## Round Potato Size Categories by Type – Selected States: 2016 and 2017

[Gross yield basis]

Year, type, and State	Inches						
	1 1/2 - 1 7/8	1 7/8 - 2	2 - 2 1/4	2 1/4 - 2 1/2	2 1/2 - 3 1/2	3 1/2 - 4	4 inches and over
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
<b>2016</b>							
Red potatoes							
Minnesota .....	9.3	6.7	16.9	22.6	44.5	-	-
North Dakota .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin .....	8.7	8.8	20.3	28.4	33.8	-	-
White potatoes							
Maine <sup>1</sup> .....	2.0	2.8	9.4	16.4	61.9	6.3	1.2
North Dakota .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon .....	2.3	2.6	9.9	12.9	56.9	11.2	4.2
Wisconsin .....	3.6	3.3	10.9	18.1	61.8	1.8	0.5
<b>2017</b>							
Red potatoes							
Minnesota .....	5.5	5.0	11.4	23.2	51.5	3.4	-
North Dakota .....	4.1	4.2	10.8	19.9	60.4	0.6	-
Wisconsin .....	12.1	9.3	20.5	29.0	29.1	-	-
White potatoes							
Maine <sup>1</sup> .....	3.9	4.7	13.0	19.8	53.5	4.4	0.7
North Dakota .....	9.9	11.1	21.7	21.7	34.4	1.2	-
Oregon .....	2.7	3.6	13.9	19.6	45.2	13.0	2.0
Wisconsin .....	4.6	3.9	12.7	18.4	56.6	3.0	0.8

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Percent of net yield adjusted for field loss.

## Long Potato (Russet and Shepody) Size Categories – Maine: 2016 and 2017

[Percent of net yield - adjusted for field loss]

Year	Inches		Ounces					
	1 1/2 - 1 7/8	1 7/8 - 2	2 inches or 4-6	6-8	8-10	10-12	12-14	14 and over
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
2016 .....	1.0	2.1	23.0	18.4	16.3	12.5	7.4	19.3
2017 .....	3.2	3.8	31.2	20.2	13.6	8.5	6.2	13.3

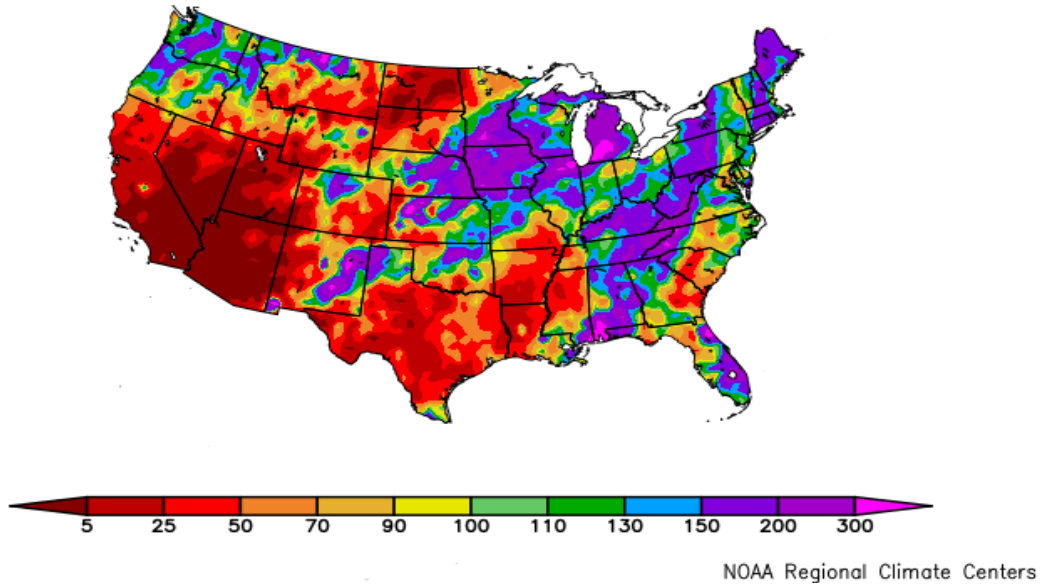
## All Long Potato Size Categories – Selected States: 2016 and 2017

[Gross yield basis. Includes Russet, Shepody, Prospect, and Defender varieties]

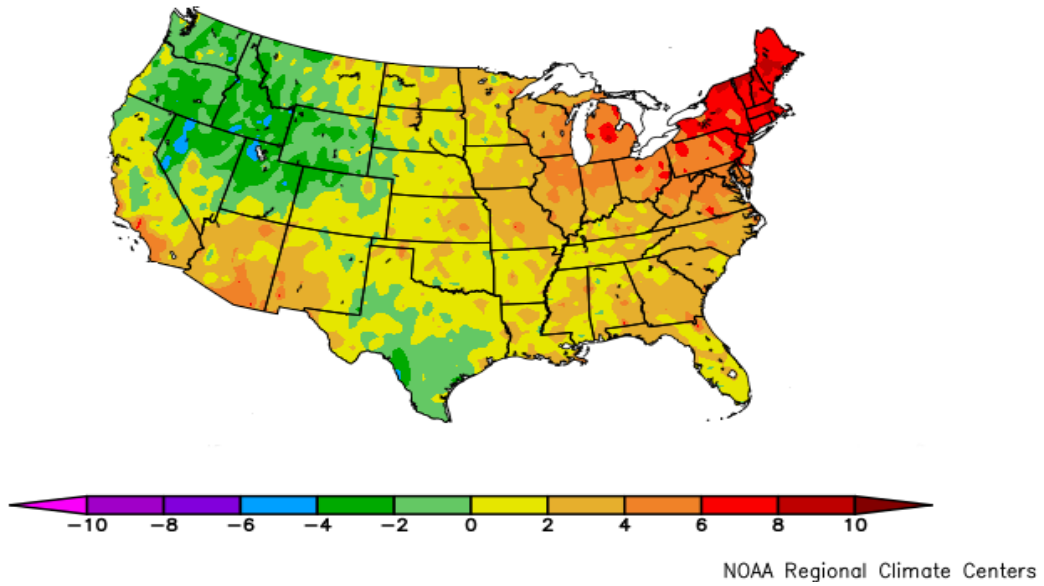
Year and State	Inches			Ounces									
	1 1/2 - 1 5/8	1 5/8 - 1 7/8	1 7/8 - 2	2 in. or 4-6	6	7	8	9	10	11	12	13	14 and over
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<b>2016</b>													
Idaho <sup>1</sup> .....	1.0	5.1	3.5	28.0	10.4	8.6	8.0	6.3	5.4	4.5	3.7	2.9	12.6
Minnesota .....	1.8	9.2	7.8	23.4	10.4	10.5	8.1	6.4	5.0	4.2	3.6	2.5	7.1
North Dakota .....	1.0	5.5	5.9	17.9	8.3	9.8	9.0	7.2	6.9	6.3	5.1	3.7	13.4
Oregon .....	0.8	3.2	2.6	18.1	8.9	7.1	7.7	6.7	7.2	5.2	5.6	4.5	22.4
Washington .....	0.6	2.8	2.3	22.1	9.5	8.6	9.2	7.0	6.7	4.9	4.8	4.1	17.4
Wisconsin .....	0.5	5.1	5.3	26.4	11.1	10.2	9.0	7.3	5.3	4.8	3.1	2.3	9.6
<b>2017</b>													
Idaho <sup>1</sup> .....	1.6	5.9	5.9	23.8	11.1	8.6	7.3	7.3	5.4	4.8	3.9	3.4	11.0
Minnesota .....	2.0	8.1	7.7	28.8	10.2	9.6	6.6	5.4	4.6	4.2	2.7	2.6	7.5
North Dakota .....	1.5	6.7	6.9	26.9	9.9	9.4	7.1	6.7	5.6	4.0	3.6	2.4	9.3
Oregon .....	1.5	4.1	4.0	17.4	7.8	7.1	8.3	6.4	10.2	5.2	4.7	3.9	19.4
Washington .....	0.9	3.0	3.9	19.8	10.0	8.8	9.1	6.9	8.9	5.3	4.1	3.6	15.7
Wisconsin .....	0.7	6.9	4.8	23.3	10.3	10.1	9.6	8.0	6.1	5.5	3.7	2.8	8.2

<sup>1</sup> Russets only.

Percent of Normal Precipitation (%)  
10/1/2017 - 10/31/2017



Departure from Normal Temperature (F)  
10/1/2017 - 10/31/2017



## October Weather Summary

During October, late crop maturation and periods of heavy rain led to significant Midwestern corn harvest delays. By October 29, only 54 percent of the Nation's corn had been harvested, compared to the 5-year average of 72 percent. Producers fared better cutting soybeans, with 83 percent of the Nation's crop harvested by October 29.

Much of the eastern United States also received widespread rain, starting early in the month when the remnants of Hurricane Nate tracked from the central Gulf Coast into the Northeast. Later, back-to-back storms delivered heavy rain to the Northeast between October 24 and 30, eradicating drought concerns.

In contrast, minimal precipitation fell during October in several regions, including the mid-South and large sections of the northern and southern Plains. Although the dry weather favored fieldwork, winter wheat and cover crops had little moisture to support emergence and establishment. In South Dakota, a variety of factors that included drought and sudden cold left 53 percent of the winter wheat rated in very poor to poor condition on October 29, compared to the national value of 12 percent.

Meanwhile, dry October weather dominated the southern half of the western United States. When high winds arose across northern California on the night of October 8-9, a rash of devastating wildfires swept through several communities. Preliminary reports indicated that 43 lives were lost, along with nearly 9,000 structures and almost 250,000 acres of vegetation.

Elsewhere, an increase in precipitation accompanied chilly conditions from the Pacific Northwest to the northern High Plains. The Northwestern precipitation, which included some early-season snow, provided drought relief and boosted soil moisture in the wake of a hot, dry summer.

Significant temperature departures were mostly limited to the interior Northwest (as much as 4°F below normal) and areas from the eastern Corn Belt into the Northeast (at least 4 to 8°F above normal). In fact, record-setting October warmth was noted in parts of the Northeast. Warm weather also prevailed in the Desert Southwest.

## October Agricultural Summary

Cooler than normal temperatures were recorded across the Rockies and Pacific Coast during the first half of the month. However, from October 22 until the end of the month, temperatures remained either normal or above normal, with parts of Arizona, California, and Nevada seeing temperatures 4 to 8 degrees above normal. The opposite was true for the lower Midwest and Southeast, with warmer than average temperatures recorded during the first week, before chilling to 12 degrees below average across Texas, Oklahoma, and the Gulf States by month's end. For most of October, the Nation experienced the usual amount of precipitation. Bands of rain during the first week slowed field work across the western Corn Belt and Hurricane Nate brought rain and damaging wind across the Gulf and Eastern States. Towards the end of the month, producers in the Midwest hurried to complete soybean and corn harvests before snow arrived.

Ninety-six percent of the 2017 corn crop was dented by October 1, four percentage points behind last year and 2 percentage points behind the 5-year average. Nationally, 68 percent of the corn crop was mature by October 1, sixteen percentage points behind last year and 10 percentage points behind the 5-year average. Producers had harvested 17 percent of the corn crop by October 1, six percentage points behind last year and 9 percentage points behind the 5-year average. Ninety percent of the corn crop was mature by October 15, six percentage points behind last year and 4 percentage points behind the 5-year average. Twenty-eight percent of this year's corn crop was harvested by October 15, sixteen percentage points behind last year and 19 percentage points behind the 5-year average. Fifty-four percent of this year's corn crop was harvested by October 29, still well behind the previous year's 73 percent and the 5-year average of 72 percent. Harvest progress was behind normal in all estimating States except Michigan, North Carolina, Tennessee, and Texas as of October 29. Overall, 66 percent of the corn crop was reported in good to excellent condition as of October 29, eight percentage points below the same time last year.



By October 1, sorghum coloring had advanced to 94 percent complete, 2 percentage points behind last year, but equal to the 5-year average. Nationwide, 60 percent of the sorghum crop was mature by October 1, ten percentage points behind last year and 3 percentage points behind the 5-year average. By October 1, thirty-four percent of the Nation's crop was harvested, 6 percentage points behind last year and 3 percentage points behind the 5-year average. By October 15, eighty-one percent of this year's sorghum crop was considered mature, 8 percentage points behind last year and slightly behind the 5-year average. Nationwide, sorghum producers had harvested 40 percent of the crop by October 15, sixteen percentage points behind last year and 10 percentage points behind the 5-year average. By October 29, ninety-six percent of this year's sorghum crop was considered mature, equal to last year but slightly ahead of the 5-year average. Sorghum producers had harvested 59 percent of the crop by October 29, sixteen percentage points behind last year and 10 percentage points behind the 5-year average. Most estimating States were at or behind their respective 5-year averages for harvesting by month's end, with only Missouri, New Mexico, and Texas ahead of their 5-year averages.

By October 1, producers had sown 36 percent of the Nation's 2018 winter wheat crop, 5 percentage points behind last year and 7 percentage points behind the 5-year average. Nationwide, 12 percent of the winter wheat crop was emerged by October 1, six percentage points behind last year and 4 percentage points behind the 5-year average. Emergence was at or behind the 5-year average in 14 of the 18 estimating States by October 1. Sixty percent of the 2018 winter wheat crop was sown by October 15, ten percentage points behind last year and 11 percentage points behind the 5-year average. Nationally, emergence had advanced to 37 percent complete by October 15, eight percentage points behind last year and 6 percentage points behind the 5-year average. Producers had sown 84 percent of the 2018 winter wheat crop by October 29, slightly behind last year and 3 percentage points behind the 5-year average. Idaho was the first State to complete planting this year. Nationwide, emergence advanced to 65 percent complete by October 29, four percentage points behind last year and 3 percentage points behind the 5-year average. Fifty-two percent of the crop was reported to be in good to excellent condition on October 29, six percentage points below the same time last year.

By October 1, rice producers had harvested 77 percent of this year's crop, 4 percentage points behind last year but 6 percentage points ahead of the 5-year average. By October 15, ninety-one percent of the rice crop was harvested, slightly behind last year but 4 percentage points ahead of the 5-year average. Harvest progress was at or ahead of the 5-year average in all estimating States, except California. By October 22, ninety-eight percent of the rice crop was harvested, 2 percentage points ahead of last year and 5 percentage points ahead of the 5-year average.

Eighty percent of the soybean crop was at or beyond the leaf dropping stage by October 1, slightly behind last year but 2 percentage points ahead of the 5-year average. Nationally, 22 percent of the soybean crop was harvested by October 1, two percentage points behind last year and 4 percentage points behind the 5-year average. Dry conditions east of the Mississippi River allowed the soybean harvest to advance 12 percentage points during the week ending October 1. By October 15, ninety-four percent of the soybean crop was at or beyond the leaf dropping stage, slightly behind last year but slightly ahead of the 5-year average. Soybean producers had harvested 49 percent of the Nation's crop by October 15, ten percentage points behind last year and 11 percentage points behind the 5-year average. Overall, 61 percent of the soybean crop was reported in good to excellent condition on October 15, thirteen percentage points lower than at the same time last year. By October 29, eighty-three percent of the Nation's crop was harvested, 2 percentage points behind last year and slightly behind the 5-year average.

By October 1, a quarter of the Nation's peanut crop was harvested, slightly behind last year but 4 percentage points ahead of the 5-year average. By October 8, thirty-nine percent of this year's peanut crop was harvested, slightly behind last year but 7 percentage points ahead of the 5-year average. During the week ending October 8, harvest progress advanced 21 percentage points in Alabama and 20 percentage points in Florida, but was much slower across the Southern Plains due to wet conditions. By October 15, fifty-one percent of the Nation's peanut crop was harvested, slightly behind last year but 5 percentage points ahead of the 5-year average. Overall, 70 percent of the peanut crop was reported in good to excellent condition on October 15, fourteen percentage points better than at the same time last year. By October 29, seventy-four percent of the Nation's peanut crop was harvested, 2 percentage points behind last year but slightly ahead of the 5-year average.

Bolls were opening across 67 percent of this year's cotton acreage by October 1, three percentage points behind both last year and the 5-year average. Nationally, harvest was 17 percent complete by October 1, two percentage points ahead of last year and 4 percentage points ahead of the 5-year average. Eighty-two percent of the cotton crop was at or beyond the

boll-opening stage by October 15, six percentage points behind last year and 4 percentage points behind the 5-year average. Nationally, producers had harvested 31 percent of the cotton crop by October 15, two percentage points ahead of last year and 5 percentage points ahead of the 5-year average. Ninety-three percent of the cotton crop was at or beyond the boll-opening stage by October 29, two percentage points behind both last year and the 5-year average. Nationally, producers had harvested 46 percent of the cotton crop by October 29, slightly ahead of both last year and the 5-year average. Overall, 55 percent of the cotton crop was reported in good to excellent condition as of October 29, six percentage points above the same time last year.

By October 1, sugarbeet producers had harvested 22 percent of this year's crop, 3 percentage points ahead of last year but slightly behind the 5-year average. Ninety-two percent of the sugarbeet crop in North Dakota was rated in good to excellent on October 1, compared with 62 percent at the same time last year. Producers had harvested 65 percent of the sugarbeet crop by October 15, six percentage points ahead of last year but equal to the 5-year average. In Minnesota and North Dakota, the sugarbeet harvest advanced by more than 25 percentage points during the week ending October 15. Producers had harvested 87 percent of the sugarbeet crop by October 29, two percentage points ahead of last year and slightly ahead of the 5-year average.

By October 8, six percent of this year's sunflower crop was harvested, 5 percentage points behind last year and 6 percentage points behind the 5-year average. By October 15, twelve percent of this year's sunflower crop was harvested, 16 percentage points behind last year and 12 percentage points behind the 5-year average. By October 29, fifty-three percent of this year's sunflower crop was harvested, 7 percentage points behind last year and slightly behind the 5-year average. As of October 29, harvest progress remained behind the 5-year average for all estimating States except North Dakota.

## Crop Comments

**Corn:** Area harvested for grain is forecast at 83.1 million acres, unchanged from the previous forecast but down 4 percent from 2016.

The November 1 corn objective yield data indicate the third highest number of ears on record for the combined 10 objective yield States (Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin).

At 14.6 billion bushels, 2017 corn production is forecast to be the second highest production on record for the United States. The forecasted yield, at 175.4 bushels per acre, is expected to be the highest yield on record for the United States. Record yields are forecast for Alabama, Idaho, Kentucky, Louisiana, Michigan, Mississippi, Pennsylvania, South Carolina, and Tennessee.

Fifty-four percent of this year's corn crop was harvested by October 29, well behind the previous year's 73 percent harvested and 5-year average of 72 percent. Harvest progress was behind normal on October 29 in all estimating States except Michigan, North Carolina, Tennessee, and Texas. Overall, 66 percent of the corn crop was reported in good to excellent condition on October 29, eight percentage points below the same time last year.

**Sorghum:** Production is forecast at 356 million bushels, down 2 percent from the October forecast and down 26 percent from last year. Area harvested for grain is forecast at 5.05 million acres, unchanged from the previous forecast but down 18 percent from last year. Based on November 1 conditions, yield is forecast at 70.4 bushels per acre, 1.8 bushels lower than the October forecast and 7.5 bushels below the 2016 record high yield of 77.9 bushels per acre.

As of October 29, ninety-six percent of the crop was mature, slightly ahead of the five-year average. Fifty-nine percent of the crop had been harvested at that time, 16 percentage points behind the same time last year and 10 percentage points behind the five-year average pace.

**Rice:** Production is forecast at 178 million cwt, down less than 1 percent from the October forecast and down 20 percent from last year. If realized, production for 2017 would represent the lowest United States total since 1996. Harvested area

is expected to total 2.39 million acres, unchanged from the October forecast, but down 23 percent from last year. Based on conditions as of November 1, the average United States yield is forecast at 7,461 pounds per acre, down 8 pounds per acre from the October forecast, but 224 pounds per acre higher than the 2016 average yield of 7,237 pounds per acre. If realized, the expected yield in Missouri for 2017 will be a record high.

By October 22, ninety-eight percent of the rice acreage was harvested, 2 percentage points ahead the same time last year and 5 percentage points ahead of the five-year average pace. Harvest was complete in Louisiana and Texas, by that time, and only 1 percent of the acreage in Arkansas remained to be harvested.

**Soybeans:** Area for harvest in the United States is forecast at a record 89.5 million acres, unchanged from October but up 8 percent from 2016.

The November objective yield data for the combined 11 major soybean-producing States (Arkansas, Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Ohio, and South Dakota) indicate a lower pod count from the previous year. Compared with final counts for 2016, pod counts are down in 8 of the 11 published States. A decrease of more than 200 pods per 18 square feet from 2016's final pod count is expected in Illinois, Nebraska, and South Dakota.

As of October 1, twenty-two percent of the United States soybean crop was harvested, 2 percentage points behind last year and 4 percentage points behind the 5-year average. By October 15, the soybean crop was 49 percent harvested, 10 percentage points behind last year and 11 percentage points behind the 5-year average. As of October 29, harvest was 83 percent complete Nationwide, 2 percentage points behind last year and slightly behind the 5-year average. At the end of October, harvest progress was ahead of the State 5-year average in Arkansas, Louisiana, Michigan, Mississippi, North Carolina, North Dakota, Ohio, and South Dakota.

If realized, the forecasted yield will be a record high in Alabama, Arkansas, Delaware, Kentucky, Maryland, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, and Virginia.

**Peanuts:** Production is forecast at 7.64 billion pounds, down 2 percent from the October forecast but up 37 percent from the 2016 total of 5.58 billion pounds. If realized, production for the Nation will be the highest on record. Harvested area is expected to total 1.83 million acres, unchanged from the October forecast but up 19 percent from 2016. Based on conditions as of November 1, the United States average yield is forecast at 4,176 pounds per acre, down 81 pounds per acre from October, but up 542 pounds per acre from the 2016 average yield of 3,634 pounds per acre. If realized, the average United States yield will be the highest since 2012. Record high yields are forecast in Georgia, Mississippi, and South Carolina. If realized, production in Georgia and South Carolina will be the highest on record.

As of October 29, seventy-four percent of the 2017 peanut crop had been harvested, 2 percentage points behind last year but slightly ahead of the five-year average.

**Cotton:** Upland cotton harvested area is expected to total 11.2 million acres, unchanged from October but up 20 percent from last year. Pima cotton harvested area, estimated at 242,200 acres, was carried forward from an earlier forecast.

As of October 29, fifty-five percent of the cotton acreage was rated in good to excellent condition, compared with 49 percent at the same time last year. Acreage rated in good to excellent condition dropped 2 percentage points from the week ending October 1, as condition ratings declined during the month in Texas, the largest cotton-producing State, by 6 percentage points. Conditions also declined during the month in Arizona, Kansas, and South Carolina. Ninety-three percent of the crop had open bolls by October 29, two percentage points behind both last year and the 5-year average.

Harvest progress reached 46 percent complete by October 29, slightly ahead of both last year and the 5-year average. Harvest progress in North Carolina, South Carolina, and Virginia was more than 17 percentage points ahead of both last year and the 5-year average.

If realized, the forecasted yield for Upland cotton in Arkansas, Florida, and Missouri will be a record high.

Ginnings totaled 4,964,250 running bales prior to November 1, compared with 5,015,650 running bales ginned prior to the same date last year.

**Sugarbeets:** Production of sugarbeets for the 2017 crop year is forecast at 36.0 million tons, down 2 percent from last year. Producers expect to harvest 1.11 million acres, down 1 percent from last year. Yield is forecast at 32.4 tons per acre, a 0.3 ton decrease from last year.

Michigan's sugarbeet harvest was in full swing, although October rains impacted progress. The reported yields are below average, but the sugar content is above average. Harvest was nearly complete in both Montana and Wyoming. Harvest neared 90 percent completion in Nebraska and Colorado. Planting of California's crop was finishing up.

**Sugarcane:** Production of sugarcane for sugar and seed in 2017 is forecast at 32.2 million tons, up slightly from last year. Producers intend to harvest 895,200 acres for sugar and seed during the 2017 crop year, down 1 percent from last year. Yield for sugar and seed is forecast at 36.0 tons per acre, up 0.4 ton from 2016.

Louisiana weather conditions were reported as excellent and sugar recoveries were high. Reported yields continued to be above average. Rains during October caused some lodging.

**Fall potatoes:** Production of fall potatoes for 2017 is forecast at 399 million cwt, down 2 percent from last year. Area harvested, at 900,600 acres, is down 1 percent from the previous year. The average yield forecast, at 443 cwt per acre, is down 4 cwt from last year's record high yield.

In Idaho, growers reported some flooding and cool weather occurred earlier in the spring, causing delays in planting progress. As of October 29, ninety-six percent of the crop had been harvested. North Dakota planting was complete by June 11 and digging began in late August. Harvest was virtually complete by October 22. As of October 29, harvest in Washington and Oregon was 95 and 93 percent completed, respectively.

**Grapefruit:** The United States 2017-2018 grapefruit crop is forecast at 578,000 tons, down 2 percent from last month and 15 percent below last season's final utilization. In Florida, expected production, at 4.65 million boxes (198,000 tons), is down 5 percent from last month and down 40 percent from last year. California and Texas grapefruit production forecasts were carried forward from the previous month.

**Tangerines and mandarins:** The United States tangerine and mandarin crop is forecast at 965,000 tons, down slightly from last month and down 7 percent from last season's final utilization. The Florida forecast, at 950,000 boxes (45,000 tons), is down 5 percent from last month and down 41 percent from 2016-2017. The California tangerine and mandarin forecasts were carried forward from the previous month.

**Florida citrus:** Daily temperatures across the citrus region were reported as average all month, with highs ranging from the high-70s to lower-90s. Toward the end of the month, Tropical Storm Philippe passed quickly over the southern tip of the State, dropping between two and four inches of rain over those two days. The Southern area and Indian River District had the most rainfall for the month with several counties receiving between five and ten inches of rainfall. Most other counties had less than three inches for the month. According to the October 26, 2017, U.S. Drought Monitor, the complete citrus growing region was drought free.

Hurricane Irma clean-up continued in some Southern area citrus groves. Caretakers in groves that were hard hit were still pushing dead or severely damaged trees affected by the storm. Irrigation was being run in areas where rainfall amounts had been less than average. Grove operations included spraying for psyllids, fertilizing, herbiciding, mowing, limited topping and hedging, and general grove maintenance. Harvesting primarily for the fresh market included Fallglo tangerines; Ambersweet, Navel, Hamlin and Early Gold oranges; and red and white grapefruit. A couple of processing plants were open to take packinghouse eliminations and field run fruit in very small amounts.

**California citrus:** Citrus packing houses were getting ready for the new Navel orange season. Early Navel oranges were being picked and tested for maturity. Lemons were harvested and packed. Some orange groves were pushed out to make way for new plantings. Citrus orchards were being skirted and trimmed for the coming season. Finger lime harvest began

around mid-month. Melogold grapefruit and limes were being harvested, packed, and shipped to foreign and domestic markets.

**California noncitrus fruits and nuts:** Stone fruit harvest slowed down as the season drew to a close during the month. Gypsum and potash were applied to harvested stone fruit orchards. Peaches, nectarines, and plums continued to be picked and shipped to both domestic and foreign markets. Some wine, table, and raisin grapes were harvested. Finished raisin trays were rolled up for pickup. The majority of the Napa and Sonoma County wine grapes had been harvested by mid-month. Several winery buildings were burned in Sonoma County. Asian pears, pears, figs, and pomegranates were harvested and shipped throughout the month. Kiwifruit harvest began and was ramping up for the season by mid-month. Persimmons continued to gain size and coloring, with harvest beginning later in the month. Cooler weather was helping with external color. Apples were harvested. Olive harvest was underway and a heavy crop was reported by some. Dates were being harvested, with completion expected by the end of November. The almond harvest was winding down across the State and it was all but finished for the season by the end of the month. Walnut harvest was underway. Pistachio harvest continued.

## Statistical Methodology

**Field crop survey procedures:** Objective yield and farm operator surveys were conducted between October 25 and November 6 to gather information on expected yield as of November 1. The objective yield surveys for corn, cotton, and soybeans were conducted in the major producing States that usually account for about 75 percent of the United States production. Randomly selected plots were revisited to make current counts. The counts made within each sample plot depend on the crop and the maturity of that crop. In all cases, plant counts are recorded along with other measurements that provide information to forecast the number of ears, bolls, or pods and their weight. The counts are used with similar data from previous years to develop a projected biological yield. The average harvesting loss is subtracted to obtain a net yield. The plots are revisited each month until crop maturity when the fruit is harvested and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss.

The farm operator survey was conducted primarily by telephone with some use of mail, internet, and personal interviewers. Approximately 8,700 producers were interviewed during the survey period and asked questions about probable yield.

**Orange survey procedures:** The orange objective yield survey for the November 1 forecast was conducted in Florida, which produced about 60 percent of the United States production last season. In August and September 2017, the number of bearing trees and the number of fruit per tree were determined. In August and subsequent months, fruit size measurement and fruit droppage surveys are conducted to develop the current forecast of production. California and Texas conduct grower and packer surveys on a quarterly basis in October, January, April, and July. California conducts an objective measurement survey in September for Navel oranges and in March for Valencia oranges.

**Field crop estimating procedures:** National and State level objective yield and grower reported data were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared to previous months and previous years. Each Regional Field Office submits their analysis of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the survey data and the State analyses to prepare the published November 1 forecasts.

**Orange estimating procedures:** State level objective yield estimates for Florida oranges were reviewed for errors, reasonableness, and consistency with historical estimates. The Florida Field Office submits its analysis of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the Florida survey data and their analyses to prepare the published November 1 forecast. Reports from growers and packers in California and Texas were also used for setting estimates. The November 1 orange production forecasts for these two States are carried forward from October.

**Revision policy:** The November 1 production forecast will not be revised; instead, a new forecast will be made each month throughout the growing season. End-of-season estimates are made after harvest. At the end of the marketing season, a balance sheet is calculated using carryover stocks, production, exports, millings, feeding, and ending stocks. Revisions are then made if the balance sheet relationships or other administrative data warrant changes. Estimates of planted acres for spring planted crops are subject to revision in the August *Crop Production* report if conditions altered the planting intentions since the mid-year survey. Current year, planted acres may also be revised for cotton, peanuts, and rice in the September *Crop Production* report each year; spring wheat, Durum wheat, barley, and oats only in the *Small Grains Summary* report at the end of September; and all other spring planted crops in the October *Crop Production* report. Revisions to planted acres will only be made when either special survey data, administrative data, such as Farm Service Agency program "sign up" data, or remote sensing data are available. Harvested acres may be revised any time a production forecast is made if there is strong evidence that the intended harvested area has changed since the last forecast. End-of-season orange estimates will be published in August's *Citrus Fruits Summary*. The orange production estimates are based on all data available at the end of the marketing season, including information from marketing orders, shipments, and processor records. Allowances are made for recorded local utilization and home use.

**Reliability:** To assist users in evaluating the reliability of the November 1 production forecast, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the November 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of the squared percentage deviations for the latest 20-year period is computed. The square root of the average becomes statistically the "Root Mean

Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years. For example, the "Root Mean Square Error" for the November 1 corn for grain production forecast is 1.1 percent. This means that chances are 2 out of 3 that the current production forecast will not be above or below the final estimate by more than 1.1 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 1.8 percent.

Also, shown in the following table is a 20-year record for selected crops of the differences between the November 1 forecast and the final estimate. Using corn again as an example, changes between the November 1 forecast and the final estimate during the last 20 years have averaged 102 million bushels, ranging from 4 million bushels to 214 million bushels. The November 1 forecast has been below the final estimate 6 times and above 14 times. This does not imply that the November 1 corn forecast this year is likely to understate or overstate final production.

## Reliability of November 1 Crop Production Forecasts

[Based on data for the past twenty years]

Crop	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				
			Production			Years	
			Average	Smallest	Largest	Below final	Above final
	(percent)	(percent)	(millions)	(millions)	(millions)	(number)	(number)
Corn for grain ..... bushels	1.1	1.8	102	4	214	6	14
Fall potatoes ..... cwt	1.1	1.9	4	1	8	11	9
Rice ..... cwt	1.7	2.9	3	(Z)	11	15	5
Sorghum for grain ..... bushels	5.0	8.6	14	1	33	9	11
Soybeans for beans ..... bushels	1.6	2.8	43	2	100	9	11
Upland cotton <sup>1</sup> ..... bales	3.1	5.4	413	45	1,001	9	11

(Z) Less than half of the unit shown.

<sup>1</sup> Quantity is in thousands of units.



## USDA, National Agricultural Statistics Service Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov)

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Anthony Prillaman, Head, Field Crops Section.....	(202) 720-2127
Chris Hawthorn – Corn, Flaxseed, Proso Millet.....	(202) 720-9526
James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans.....	(202) 690-3234
Sammy Neal – Peanuts, Rice.....	(202) 720-7688
Joshua O’Rear – Crop Weather, Barley.....	(202) 720-7621
Jean Porter – Rye, Wheat.....	(202) 720-8068
Bianca Pruneda – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds.....	(202) 720-7369
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Vincent Davis – Bananas, Cherries, Garlic, Lettuce, Mint, Papaya, Pears, Strawberries, Taro, Tomatoes.....	(202) 720-2157
Fleming Gibson – Avocados, Cauliflower, Celery, Citrus, Coffee, Dates, Figs, Kiwifruit, Nectarines, Olives, Watermelons.....	(202) 720-5412
Greg Lemmons – Blackberries, Blueberries, Boysenberries, Cranberries, Cucumbers, Potatoes, Pumpkins, Raspberries, Squash, Sugarbeets, Sugarcane, Sweet Potatoes.....	(202) 720-4285
Dan Norris – Artichokes, Austrian Winter Peas, Cantaloupes, Dry Beans, Dry Edible Peas, Honeydews, Lentils, Mushrooms, Peaches, Snap Beans.....	(202) 720-3250
Daphne Schaubert – Bell Peppers, Broccoli, Cabbage, Chile Peppers, Floriculture, Grapes, Hops, Maple Syrup, Tree Nuts, Spinach.....	(202) 720-4215
Chris Singh – Apples, Apricots, Asparagus, Carrots, Lima Beans, Onions, Plums, Prunes, Sweet Corn, Tobacco.....	(202) 720-4288

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For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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