United States Department of Agriculture

National Agricultural Statistics Service

Crop Production
2017 Summary

January 2018

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Corn for grain production in 2017 was estimated at 14.6 billion bushels, down 4 percent from the 2016 estimate. The average yield in the United States was estimated at a record high 176.6 bushels per acre, 2.0 bushels above the 2016 average yield of 174.6 bushels per acre. Area harvested for grain was estimated at 82.7 million acres, down 5 percent from the 2016 estimate.

Sorghum grain production in 2017 is estimated at 364 million bushels, down 24 percent from the 2016 total. Planted area for 2016 is estimated at 5.63 million acres, down 16 percent from the previous year. Area harvested for grain, at 5.05 million acres, is down 18 percent from 2016. Grain yield is estimated at 72.1 bushels per acre, down 5.8 bushels from 2016.

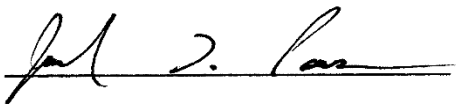
Rice Production in 2017 totaled 178 million cwt, down 20 percent from the 2016 total. Planted area for 2017 was estimated at 2.46 million acres, down 22 percent from 2016. Area harvested, at 2.37 million acres, was down 23 percent from the previous crop year. The average yield for all United States rice was estimated at 7,507 pounds per acre, up 270 pounds from the 2016 average yield of 7,237 pounds per acre.

Soybean production in 2017 totaled a record 4.39 billion bushels, up 2 percent from 2016. The average yield per acre was estimated at 49.1 bushels, 2.9 bushels below the record yield in 2016. Harvested area was up 8 percent from 2016 to a record high 89.5 million acres.

All cotton production is estimated at 21.3 million 480-pound bales, up 24 percent from 2016. The United States yield is estimated at 899 pounds per acre, up 32 pounds from last year. Harvested area, at 11.3 million acres, is up 19 percent from last year.

This report was approved on January 12, 2018.

Secretary of
Agriculture
Sonny Perdue



Agricultural Statistics Board
Chairperson
Joseph L. Parsons

Contents

Principal Crops Area Planted and Harvested – States and United States: 2015-2017

[Crops included are corn, sorghum, oats, barley, rye, winter wheat, Durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, cotton, dry edible beans, potatoes, canola, proso millet, and sugarbeets. Harvested acreage is used for all hay, tobacco, and sugarcane in computing total area planted. Includes double cropped acres and unharvested small grains planted as cover crops]

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	2,320	2,360	2,280	2,217	2,247	2,180
Arizona	731	673	690	719	657	677
Arkansas	7,117	7,297	7,169	6,930	7,138	6,972
California	3,083	3,230	3,045	2,626	2,828	2,653
Colorado	6,036	6,171	6,246	5,660	5,882	5,876
Connecticut	79	70	71	74	66	67
Delaware	461	457	465	442	439	439
Florida	1,146	1,136	1,144	1,115	1,109	1,124
Georgia	3,694	3,629	3,633	3,362	3,278	3,276
Hawaii	15	16	-	15	16	-
Idaho	4,160	4,173	4,195	3,995	4,037	4,064
Illinois	22,616	22,770	22,850	22,388	22,574	22,694
Indiana	12,065	12,080	12,170	11,895	11,980	12,085
Iowa	24,655	24,455	24,511	24,422	24,240	24,300
Kansas	23,320	23,594	23,833	22,558	23,072	22,943
Kentucky	6,243	6,125	5,981	6,073	5,985	5,786
Louisiana	3,392	3,315	3,235	3,315	3,184	3,190
Maine	260	243	232	254	239	228
Maryland	1,582	1,605	1,648	1,462	1,474	1,385
Massachusetts	112	108	111	109	106	108
Michigan	6,419	6,423	6,375	6,319	6,313	6,272
Minnesota	20,015	19,890	19,711	19,701	19,578	19,447
Mississippi	4,274	4,177	4,159	4,192	4,114	4,102
Missouri	12,081	13,404	13,533	11,741	13,107	13,277
Montana	9,451	9,167	9,129	9,025	8,759	8,339
Nebraska	19,652	19,544	19,686	19,172	19,223	19,372
Nevada	334	356	401	330	346	380
New Hampshire	63	68	61	62	67	60
New Jersey	314	319	317	304	309	309
New Mexico	975	913	901	768	761	665
New York	2,839	3,015	2,800	2,783	2,950	2,740
North Carolina	4,753	4,438	4,422	4,515	4,266	4,290
North Dakota	23,710	23,686	23,687	23,308	23,018	22,832
Ohio	9,973	10,000	10,080	9,843	9,905	9,955
Oklahoma	10,126	10,018	9,871	8,341	8,195	7,928
Oregon	2,104	2,149	2,088	2,057	2,101	2,050
Pennsylvania	3,568	3,668	3,758	3,488	3,561	3,638
Rhode Island	9	9	8	9	9	8
South Carolina	1,624	1,505	1,504	1,343	1,447	1,452
South Dakota	18,100	17,341	17,572	17,253	16,887	16,394
Tennessee	4,926	5,030	4,891	4,811	4,920	4,751
Texas	21,701	21,564	21,759	18,189	18,199	17,607
Utah	917	938	939	878	917	914
Vermont	237	280	262	233	275	256
Virginia	2,705	2,680	2,684	2,581	2,593	2,564
Washington	3,660	3,718	3,629	3,568	3,645	3,549
West Virginia	676	670	673	669	665	667
Wisconsin	7,999	7,885	7,758	7,840	7,704	7,522
Wyoming	1,496	1,442	1,480	1,454	1,390	1,406
United States [1]	318,975	319,238	319,136	304,706	306,085	303,015

- Represents zero.

[1] States do not add to United States due to canola, potato, and rye unallocated acreage.

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Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2015-2017

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

See footnote(s) at end of table.

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Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2015-2017 (continued)

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

(NA) Not available.

[1] Area harvested for grain not estimated.

Corn for Silage Area Harvested, Yield, and Production – States and United States: 2015-2017

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

Corn for Grain Objective Yield Data

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

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

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

(NA) Not available.

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

State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)
Illinois					
September	29,900	30,300	30,800	30,350	30,200
October	(NA)	30,300	30,750	30,450	30,300
November	30,150	30,100	30,800	30,450	30,250
Final	30,150	30,100	30,800	30,450	30,250
Indiana					
September	29,850	30,850	29,550	29,600	28,900
October	(NA)	30,650	29,300	29,400	29,100
November	29,750	30,450	29,250	29,250	28,850
Final	29,850	30,450	29,150	29,250	28,850
Iowa					
September	29,700	30,350	30,950	30,550	30,600
October	(NA)	30,150	30,800	30,400	30,600
November	29,500	30,150	30,850	30,500	30,600
Final	29,550	30,150	30,850	30,500	30,600
Kansas					
September	22,500	24,450	23,300	22,650	22,800
October	(NA)	24,000	23,700	22,450	22,600
November	22,200	24,000	23,650	22,450	22,650
Final	22,200	24,000	23,650	22,450	22,650
Minnesota					
September	30,750	31,050	30,500	30,550	30,750
October	(NA)	31,050	30,400	30,350	30,850
November	30,850	30,750	30,450	30,250	30,850
Final	30,850	30,950	30,450	30,250	30,600
Missouri					
September	26,950	27,800	27,350	26,900	27,750
October	(NA)	27,950	26,900	27,150	27,800
November	27,050	27,900	26,850	27,150	27,850
Final	27,100	27,900	26,850	27,150	27,850

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

(NA) Not available.

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	4.7	5.6	7.5	12.1	67.3
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	8.1	13.5	16.2	16.2	25.7	20.3
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	4.0	2.7	6.7	20.0	21.3	45.3

- 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	Row width (inches)						Average row width
		20.5 or less	20.6-30.5	30.6-34.5	34.6-36.5	36.6-38.5	38.6 or greater	
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)
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	107	4.7	81.4	8.4	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	74	8.1	62.1	28.4	-	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	75	1.3	61.5	29.3	5.3	1.3	1.3	30.6

- Represents zero.

Sorghum Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2015-2017

State	Area planted for all purposes			Area harvested for grain		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona [1]	24	(NA)	(NA)	4	(NA)	(NA)
Arkansas	450	47	9	440	44	7
Colorado	440	450	410	400	415	360
Georgia	50	20	20	34	10	10
Illinois	38	18	17	34	16	15
Kansas	3,400	3,100	2,600	3,200	2,950	2,450
Louisiana	77	52	15	74	46	13
Mississippi	120	13	5	115	11	4
Missouri	155	65	30	140	54	23
Nebraska	270	200	180	240	175	135
New Mexico	125	110	85	90	85	48
North Carolina [2]	(NA)	45	20	(NA)	37	15
Oklahoma	440	400	315	410	370	295
South Dakota	270	270	270	220	200	170
Texas	2,600	1,900	1,650	2,450	1,750	1,500
United States	8,459	6,690	5,626	7,851	6,163	5,045

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona [1]	92.0	(NA)	(NA)	368	(NA)	(NA)
Arkansas	98.0	73.0	76.0	43,120	3,212	532
Colorado	55.0	50.0	57.0	22,000	20,750	20,520
Georgia	48.0	54.0	54.0	1,632	540	540
Illinois	94.0	93.0	83.0	3,196	1,488	1,245
Kansas	88.0	91.0	82.0	281,600	268,450	200,900
Louisiana	85.0	102.0	91.0	6,290	4,692	1,183
Mississippi	79.0	89.0	72.0	9,085	979	288
Missouri	94.0	95.0	108.0	13,160	5,130	2,484
Nebraska	96.0	102.0	89.0	23,040	17,850	12,015
New Mexico	47.0	41.0	35.0	4,230	3,485	1,680
North Carolina [2]	(NA)	55.0	50.0	(NA)	2,035	750
Oklahoma	52.0	55.0	53.0	21,320	20,350	15,635
South Dakota	83.0	79.0	68.0	18,260	15,800	11,560
Texas	61.0	66.0	63.0	149,450	115,500	94,500
United States	76.0	77.9	72.1	596,751	480,261	363,832

(NA) Not available.
[1] Estimates discontinued in 2016.
[2] Estimates began in 2016.

Sorghum for Silage Area Harvested, Yield, and Production – States and United States: 2015-2017

State	Area harvested			Yield per acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
Arizona [1]	20	(NA)	(NA)	22.0	(NA)	(NA)	440	(NA)	(NA)
Arkansas	2	1	1	9.0	18.0	16.0	18	18	16
Colorado	10	10	25	14.0	9.0	15.0	140	90	375
Georgia	12	8	8	12.0	10.0	13.0	144	80	104
Illinois	2	1	1	15.0	17.0	12.0	30	17	12
Kansas	105	95	85	15.0	15.5	13.0	1,575	1,473	1,105
Louisiana	1	1	1	11.0	13.0	12.0	11	13	12
Mississippi	2	1	1	8.0	10.0	8.0	16	10	8
Missouri	10	9	5	19.0	17.0	19.0	190	153	95
Nebraska	10	10	22	12.5	14.0	10.0	125	140	220
New Mexico	29	18	17	12.0	13.0	11.0	348	234	187
North Carolina [2]	(NA)	4	4	(NA)	10.0	10.0	(NA)	40	40
Oklahoma	15	15	12	12.0	10.0	18.0	180	150	216
South Dakota	18	40	37	13.5	13.0	11.0	243	520	407
Texas	70	85	65	14.5	14.5	15.0	1,015	1,233	975
United States	306	298	284	14.6	14.0	13.3	4,475	4,171	3,772

(NA) Not available.
[1] Estimates discontinued in 2016.
[2] Estimates began in 2016.

Oat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted [1]			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	55	50	40	20	20	10
Arkansas	11	11	11	8	8	8
California	120	110	110	10	11	10
Colorado	45	55	50	10	10	9
Georgia	65	45	50	25	15	15
Idaho	75	55	50	15	15	10
Illinois	40	45	35	25	20	20
Indiana [2]	15	(NA)	(NA)	5	(NA)	(NA)
Iowa	125	120	115	57	43	42
Kansas	95	120	100	40	30	25
Maine	30	25	21	29	24	20
Michigan	75	65	55	50	30	40
Minnesota	280	210	170	160	120	95
Missouri	30	45	30	14	19	13
Montana	50	60	70	22	28	18
Nebraska	135	135	110	40	25	35
New York	70	90	55	40	60	35
North Carolina	35	35	35	16	9	10
North Dakota	275	290	295	140	110	80
Ohio	70	50	60	40	25	20
Oklahoma	40	65	45	7	8	16
Oregon	35	30	25	11	10	10
Pennsylvania	95	85	70	65	50	40
South Carolina	24	17	20	9	7	8
South Dakota	325	295	290	145	110	60
Texas	520	470	455	55	60	60
Utah [2]	20	(NA)	(NA)	2	(NA)	(NA)
Virginia [2]	12	(NA)	(NA)	4	(NA)	(NA)
Washington	18	18	16	5	7	3
Wisconsin	280	210	180	195	100	85
Wyoming	23	23	25	12	7	4
United States	3,088	2,829	2,588	1,276	981	801

See footnote(s) at end of table.

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Oat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Alabama	50.0	55.0	60.0	1,000	1,100	600
Arkansas	60.0	73.0	85.0	480	584	680
California	60.0	65.0	65.0	600	715	650
Colorado	80.0	80.0	65.0	800	800	585
Georgia	45.0	58.0	49.0	1,125	870	735
Idaho	86.0	83.0	71.0	1,290	1,245	710
Illinois	77.0	81.0	79.0	1,925	1,620	1,580
Indiana [2]	59.0	(NA)	(NA)	295	(NA)	(NA)
Iowa	73.0	76.0	77.0	4,161	3,268	3,234
Kansas	65.0	57.0	54.0	2,600	1,710	1,350
Maine	80.0	71.0	67.0	2,320	1,704	1,340
Michigan	67.0	58.0	54.0	3,350	1,740	2,160
Minnesota	78.0	68.0	75.0	12,480	8,160	7,125
Missouri	65.0	60.0	65.0	910	1,140	845
Montana	53.0	47.0	47.0	1,166	1,316	846
Nebraska	67.0	60.0	49.0	2,680	1,500	1,715
New York	58.0	55.0	55.0	2,320	3,300	1,925
North Carolina	66.0	60.0	66.0	1,056	540	660
North Dakota	74.0	66.0	58.0	10,360	7,260	4,640
Ohio	63.0	74.0	70.0	2,520	1,850	1,400
Oklahoma	39.0	43.0	42.0	273	344	672
Oregon	88.0	90.0	83.0	968	900	830
Pennsylvania	55.0	67.0	58.0	3,575	3,350	2,320
South Carolina	58.0	46.0	51.0	522	322	408
South Dakota	87.0	82.0	70.0	12,615	9,020	4,200
Texas	48.0	50.0	45.0	2,640	3,000	2,700
Utah [2]	85.0	(NA)	(NA)	170	(NA)	(NA)
Virginia [2]	76.0	(NA)	(NA)	304	(NA)	(NA)
Washington	54.0	61.0	42.0	270	427	126
Wisconsin	72.0	66.0	59.0	14,040	6,600	5,015
Wyoming	60.0	55.0	85.0	720	385	340
United States	70.2	66.0	61.7	89,535	64,770	49,391

(NA) Not available.
[1] Includes area planted in preceding fall.
[2] Estimates discontinued in 2016.

Barley Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted [1]			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona	17	17	20	16	16	17
California	80	85	70	29	60	28
Colorado	65	80	70	63	75	68
Delaware	32	35	32	22	25	16
Idaho	610	600	530	580	580	510
Kansas [2]	13	(NA)	(NA)	8	(NA)	(NA)
Maine [2]	13	(NA)	(NA)	12	(NA)	(NA)
Maryland	50	50	50	35	34	27
Michigan [2]	11	(NA)	(NA)	6	(NA)	(NA)
Minnesota	135	95	80	120	79	68
Montana	990	990	770	860	780	565
New York [2]	11	(NA)	(NA)	9	(NA)	(NA)
North Carolina [2]	19	(NA)	(NA)	14	(NA)	(NA)
North Dakota	1,120	740	520	1,050	640	395
Oregon	49	45	47	37	32	38
Pennsylvania	55	55	60	40	38	45
South Dakota [2]	37	(NA)	(NA)	19	(NA)	(NA)
Utah	27	29	25	16	19	18
Virginia	46	33	30	16	12	11
Washington	115	110	95	105	93	85
Wisconsin [2]	28	(NA)	(NA)	15	(NA)	(NA)
Wyoming	100	95	82	86	82	63
United States	3,623	3,059	2,481	3,158	2,565	1,954

See footnote(s) at end of table.

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Barley Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona	120.0	128.0	131.0	1,920	2,048	2,227
California	55.0	75.0	50.0	1,595	4,500	1,400
Colorado	130.0	129.0	132.0	8,190	9,675	8,976
Delaware	80.0	76.0	85.0	1,760	1,900	1,360
Idaho	97.0	107.0	95.0	56,260	62,060	48,450
Kansas [2]	39.0	(NA)	(NA)	312	(NA)	(NA)
Maine [2]	85.0	(NA)	(NA)	1,020	(NA)	(NA)
Maryland	69.0	72.0	76.0	2,415	2,448	2,052
Michigan [2]	56.0	(NA)	(NA)	336	(NA)	(NA)
Minnesota	77.0	66.0	76.0	9,240	5,214	5,168
Montana	52.0	60.0	51.0	44,720	46,800	28,815
New York [2]	45.0	(NA)	(NA)	405	(NA)	(NA)
North Carolina [2]	72.0	(NA)	(NA)	1,008	(NA)	(NA)
North Dakota	64.0	67.0	63.0	67,200	42,880	24,885
Oregon	52.0	67.0	62.0	1,924	2,144	2,356
Pennsylvania	65.0	75.0	70.0	2,600	2,850	3,150
South Dakota [2]	37.0	(NA)	(NA)	703	(NA)	(NA)
Utah	84.0	82.0	75.0	1,344	1,558	1,350
Virginia	75.0	67.0	73.0	1,200	804	803
Washington	48.0	77.0	53.0	5,040	7,161	4,505
Wisconsin [2]	55.0	(NA)	(NA)	825	(NA)	(NA)
Wyoming	95.0	96.0	102.0	8,170	7,872	6,426
United States	69.1	77.9	72.6	218,187	199,914	141,923

(NA) Not available.
[1] Includes area planted in preceding fall.
[2] Estimates discontinued in 2016.

All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted [1]			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	260	230	150	220	170	100
Arizona	160	111	115	152	103	107
Arkansas	350	195	200	240	115	125
California	520	480	420	235	217	182
Colorado	2,458	2,361	2,260	2,197	2,200	2,029
Delaware	70	70	75	65	65	69
Florida	25	25	20	15	17	14
Georgia	215	180	160	145	110	70
Idaho	1,220	1,190	1,165	1,155	1,125	1,104
Illinois	540	520	500	520	470	470
Indiana	290	330	290	260	280	240
Iowa	20	25	16	15	17	8
Kansas	9,200	8,500	7,600	8,700	8,200	6,950
Kentucky	560	510	480	440	400	310
Louisiana	110	25	20	92	20	13
Maryland	355	360	410	270	260	185
Michigan	510	610	480	475	570	425
Minnesota	1,532	1,321	1,170	1,473	1,268	1,135
Mississippi	150	65	45	120	50	25
Missouri	760	690	640	610	570	540
Montana	5,620	5,130	5,140	5,365	4,975	4,665
Nebraska	1,490	1,370	1,120	1,210	1,310	1,020
Nevada	12	15	29	8	9	10
New Jersey	27	25	23	20	21	17
New Mexico	385	345	330	190	210	135
New York	120	120	140	110	115	125
North Carolina	650	420	450	570	355	375
North Dakota	7,990	7,590	6,680	7,915	7,405	6,310
Ohio	520	580	460	480	560	435
Oklahoma	5,300	5,000	4,500	3,800	3,500	2,900
Oregon	835	810	775	828	797	763
Pennsylvania	195	190	210	175	150	150
South Carolina	170	60	90	160	50	75
South Dakota	2,756	2,270	1,887	2,236	2,157	1,196
Tennessee	455	400	370	395	335	275
Texas	6,100	5,000	4,700	3,550	2,800	2,350
Utah	135	129	134	128	120	120
Virginia	260	210	210	210	175	145
Washington	2,290	2,240	2,195	2,225	2,200	2,140
West Virginia	9	7	8	4	4	4
Wisconsin	230	270	210	210	250	170
Wyoming	145	140	135	130	125	105
United States	54,999	50,119	46,012	47,318	43,850	37,586

See footnote(s) at end of table.

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All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Alabama	68.0	70.0	77.0	14,960	11,900	7,700
Arizona	101.0	97.8	100.8	15,356	10,073	10,789
Arkansas	56.0	54.0	52.0	13,440	6,210	6,500
California	79.1	79.7	68.2	18,595	17,302	12,404
Colorado	37.1	48.2	43.2	81,485	106,000	87,598
Delaware	65.0	67.0	73.0	4,225	4,355	5,037
Florida	43.0	30.0	37.0	645	510	518
Georgia	43.0	46.0	47.0	6,235	5,060	3,290
Idaho	77.4	91.4	82.2	89,370	102,795	90,708
Illinois	65.0	74.0	76.0	33,800	34,780	35,720
Indiana	68.0	81.0	74.0	17,680	22,680	17,760
Iowa	52.0	63.0	68.0	780	1,071	544
Kansas	37.0	57.0	48.0	321,900	467,400	333,600
Kentucky	73.0	80.0	77.0	32,120	32,000	23,870
Louisiana	39.0	45.0	46.0	3,588	900	598
Maryland	64.0	64.0	71.0	17,280	16,640	13,135
Michigan	81.0	89.0	79.0	38,475	50,730	33,575
Minnesota	59.9	59.0	66.9	88,294	74,828	75,935
Mississippi	48.0	48.0	58.0	5,760	2,400	1,450
Missouri	53.0	70.0	68.0	32,330	39,900	36,720
Montana	35.1	42.4	27.3	188,515	210,875	127,430
Nebraska	38.0	54.0	46.0	45,980	70,740	46,920
Nevada	81.3	72.3	106.0	650	651	1,060
New Jersey	50.0	64.0	64.0	1,000	1,344	1,088
New Mexico	25.0	22.0	30.0	4,750	4,620	4,050
New York	63.0	74.0	67.0	6,930	8,510	8,375
North Carolina	53.0	41.0	55.0	30,210	14,555	20,625
North Dakota	46.7	45.0	37.7	370,023	332,978	238,085
Ohio	67.0	80.0	74.0	32,160	44,800	32,190
Oklahoma	26.0	39.0	34.0	98,800	136,500	98,600
Oregon	47.3	50.1	63.0	39,195	39,937	48,069
Pennsylvania	65.0	68.0	72.0	11,375	10,200	10,800
South Carolina	46.0	43.0	49.0	7,360	2,150	3,675
South Dakota	46.2	51.6	34.8	103,406	111,281	41,678
Tennessee	68.0	73.0	70.0	26,860	24,455	19,250
Texas	30.0	32.0	29.0	106,500	89,600	68,150
Utah	48.5	59.9	52.0	6,207	7,184	6,240
Virginia	66.0	53.0	66.0	13,860	9,275	9,570
Washington	50.3	71.5	66.6	111,900	157,290	142,500
West Virginia	60.0	61.0	69.0	240	244	276
Wisconsin	74.0	79.0	68.0	15,540	19,750	11,560
Wyoming	32.0	34.0	28.0	4,160	4,250	2,940
United States	43.6	52.7	46.3	2,061,939	2,308,723	1,740,582

[1] Includes area planted in preceding fall.

Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted [1]			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	260	230	150	220	170	100
Arizona	5	14	25	2	7	18
Arkansas	350	195	200	240	115	125
California	450	425	385	170	170	155
Colorado	2,450	2,350	2,250	2,190	2,190	2,020
Delaware	70	70	75	65	65	69
Florida	25	25	20	15	17	14
Georgia	215	180	160	145	110	70
Idaho	760	770	720	710	720	670
Illinois	540	520	500	520	470	470
Indiana	290	330	290	260	280	240
Iowa	20	25	16	15	17	8
Kansas	9,200	8,500	7,600	8,700	8,200	6,950
Kentucky	560	510	480	440	400	310
Louisiana	110	25	20	92	20	13
Maryland	355	360	410	270	260	185
Michigan	510	610	480	475	570	425
Minnesota	52	11	10	43	8	5
Mississippi	150	65	45	120	50	25
Missouri	760	690	640	610	570	540
Montana	2,350	2,250	1,750	2,220	2,150	1,590
Nebraska	1,490	1,370	1,120	1,210	1,310	1,020
Nevada	8	10	14	6	6	5
New Jersey	27	25	23	20	21	17
New Mexico	385	345	330	190	210	135
New York	120	120	140	110	115	125
North Carolina	650	420	450	570	355	375
North Dakota	200	130	70	190	120	35
Ohio	520	580	460	480	560	435
Oklahoma	5,300	5,000	4,500	3,800	3,500	2,900
Oregon	740	720	700	735	710	690
Pennsylvania	195	190	210	175	150	150
South Carolina	170	60	90	160	50	75
South Dakota	1,420	1,180	910	970	1,100	520
Tennessee	455	400	370	395	335	275
Texas	6,100	5,000	4,700	3,550	2,800	2,350
Utah	125	120	120	119	112	108
Virginia	260	210	210	210	175	145
Washington	1,650	1,700	1,700	1,590	1,670	1,650
West Virginia	9	7	8	4	4	4
Wisconsin	230	270	210	210	250	170
Wyoming	145	140	135	130	125	105
United States	39,681	36,152	32,696	32,346	30,237	25,291

See footnote(s) at end of table.

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Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Alabama	68.0	70.0	77.0	14,960	11,900	7,700
Arizona	103.0	95.0	100.0	206	665	1,800
Arkansas	56.0	54.0	52.0	13,440	6,210	6,500
California	70.0	78.0	64.0	11,900	13,260	9,920
Colorado	37.0	48.0	43.0	81,030	105,120	86,860
Delaware	65.0	67.0	73.0	4,225	4,355	5,037
Florida	43.0	30.0	37.0	645	510	518
Georgia	43.0	46.0	47.0	6,235	5,060	3,290
Idaho	82.0	94.0	80.0	58,220	67,680	53,600
Illinois	65.0	74.0	76.0	33,800	34,780	35,720
Indiana	68.0	81.0	74.0	17,680	22,680	17,760
Iowa	52.0	63.0	68.0	780	1,071	544
Kansas	37.0	57.0	48.0	321,900	467,400	333,600
Kentucky	73.0	80.0	77.0	32,120	32,000	23,870
Louisiana	39.0	45.0	46.0	3,588	900	598
Maryland	64.0	64.0	71.0	17,280	16,640	13,135
Michigan	81.0	89.0	79.0	38,475	50,730	33,575
Minnesota	58.0	61.0	45.0	2,494	488	225
Mississippi	48.0	48.0	58.0	5,760	2,400	1,450
Missouri	53.0	70.0	68.0	32,330	39,900	36,720
Montana	41.0	49.0	42.0	91,020	105,350	66,780
Nebraska	38.0	54.0	46.0	45,980	70,740	46,920
Nevada	90.0	75.0	107.0	540	450	535
New Jersey	50.0	64.0	64.0	1,000	1,344	1,088
New Mexico	25.0	22.0	30.0	4,750	4,620	4,050
New York	63.0	74.0	67.0	6,930	8,510	8,375
North Carolina	53.0	41.0	55.0	30,210	14,555	20,625
North Dakota	44.0	48.0	37.0	8,360	5,760	1,295
Ohio	67.0	80.0	74.0	32,160	44,800	32,190
Oklahoma	26.0	39.0	34.0	98,800	136,500	98,600
Oregon	47.0	50.0	63.0	34,545	35,500	43,470
Pennsylvania	65.0	68.0	72.0	11,375	10,200	10,800
South Carolina	46.0	43.0	49.0	7,360	2,150	3,675
South Dakota	44.0	58.0	40.0	42,680	63,800	20,800
Tennessee	68.0	73.0	70.0	26,860	24,455	19,250
Texas	30.0	32.0	29.0	106,500	89,600	68,150
Utah	48.0	60.0	52.0	5,712	6,720	5,616
Virginia	66.0	53.0	66.0	13,860	9,275	9,570
Washington	56.0	78.0	73.0	89,040	130,260	120,450
West Virginia	60.0	61.0	69.0	240	244	276
Wisconsin	74.0	79.0	68.0	15,540	19,750	11,560
Wyoming	32.0	34.0	28.0	4,160	4,250	2,940
United States	42.5	55.3	50.2	1,374,690	1,672,582	1,269,437

[1] Includes area planted in preceding fall.

Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado	8	11	10	7	10	9
Idaho	450	410	420	435	395	410
Minnesota	1,480	1,310	1,160	1,430	1,260	1,130
Montana	2,650	2,100	2,500	2,540	2,060	2,290
Nevada	4	5	15	2	3	5
North Dakota	6,700	6,000	5,350	6,650	5,850	5,070
Oregon	95	90	75	93	87	73
South Dakota	1,330	1,080	970	1,260	1,050	670
Utah	10	9	14	9	8	12
Washington	640	540	495	635	530	490
United States	13,367	11,555	11,009	13,061	11,253	10,159

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado	65.0	88.0	82.0	455	880	738
Idaho	70.0	87.0	86.0	30,450	34,365	35,260
Minnesota	60.0	59.0	67.0	85,800	74,340	75,710
Montana	31.0	36.0	21.0	78,740	74,160	48,090
Nevada	55.0	67.0	105.0	110	201	525
North Dakota	48.0	46.0	41.0	319,200	269,100	207,870
Oregon	50.0	51.0	63.0	4,650	4,437	4,599
South Dakota	48.0	45.0	31.0	60,480	47,250	20,770
Utah	55.0	58.0	52.0	495	464	624
Washington	36.0	51.0	45.0	22,860	27,030	22,050
United States	46.2	47.3	41.0	603,240	532,227	416,236

Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona	155	97	90	150	96	89
California	70	55	35	65	47	27
Idaho	10	10	25	10	10	24
Montana	620	780	890	605	765	785
North Dakota	1,090	1,460	1,260	1,075	1,435	1,205
South Dakota	6	10	7	6	7	6
United States	1,951	2,412	2,307	1,911	2,360	2,136

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona	101.0	98.0	101.0	15,150	9,408	8,989
California	103.0	86.0	92.0	6,695	4,042	2,484
Idaho	70.0	75.0	77.0	700	750	1,848
Montana	31.0	41.0	16.0	18,755	31,365	12,560
North Dakota	39.5	40.5	24.0	42,463	58,118	28,920
South Dakota	41.0	33.0	18.0	246	231	108
United States	44.0	44.0	25.7	84,009	103,914	54,909

Wheat Production by Class – United States: 2015-2017

[Wheat class estimates are based on the latest available data including both surveys and administrative data]

Crop	2015	2016	2017
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Winter			
Hard red	830,446	1,082,005	750,332
Soft red	359,054	345,230	292,156
Hard white	16,109	25,478	23,726
Soft white	169,081	219,869	203,223
Spring			
Hard red	567,637	491,325	385,005
Hard white	5,649	7,539	8,727
Soft white	29,954	33,363	22,504
Durum	84,009	103,914	54,909
Total	2,061,939	2,308,723	1,740,582

Rice Area Planted and Harvested, Yield, and Production by Class – States and United States: 2015-2017

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Long grain						
Arkansas	1,065	1,410	995	1,050	1,390	955
California	7	9	7	7	9	7
Louisiana	355	413	370	351	405	366
Mississippi	150	195	115	149	194	114
Missouri	175	230	160	167	225	151
Texas	127	185	164	124	180	155
United States	1,879	2,442	1,811	1,848	2,403	1,748
Medium grain						
Arkansas	245	135	165	240	130	148
California	385	490	400	382	485	398
Louisiana	65	24	30	64	23	29
Mississippi	-	-	-	-	-	-
Missouri	7	6	9	7	6	9
Texas	6	10	9	6	7	3
United States	708	665	613	699	651	587
Short grain [1]						
Arkansas	1	1	1	1	1	1
California	37	42	38	37	42	38
United States	38	43	39	38	43	39
All rice						
Arkansas	1,311	1,546	1,161	1,291	1,521	1,104
California	429	541	445	426	536	443
Louisiana	420	437	400	415	428	395
Mississippi	150	195	115	149	194	114
Missouri	182	236	169	174	231	160
Texas	133	195	173	130	187	158
United States	2,625	3,150	2,463	2,585	3,097	2,374

See footnote(s) at end of table.

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Rice Area Planted and Harvested, Yield, and Production by Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Long grain						
Arkansas	7,380	6,940	7,510	77,490	96,466	71,721
California	6,700	7,300	7,400	469	657	518
Louisiana	6,990	6,660	6,720	24,535	26,973	24,595
Mississippi	7,110	7,180	7,400	10,594	13,929	8,436
Missouri	7,040	6,640	7,460	11,757	14,940	11,265
Texas	6,900	7,500	7,300	8,556	13,500	11,315
United States	7,219	6,927	7,314	133,401	166,465	127,850
Medium grain						
Arkansas	7,150	6,760	7,340	17,160	8,788	10,863
California	9,100	9,000	8,620	34,762	43,650	34,308
Louisiana	6,650	6,160	6,580	4,256	1,417	1,908
Mississippi	-	-	-	-	-	-
Missouri	6,500	6,860	7,060	455	412	635
Texas	6,800	3,800	5,100	408	266	153
United States	8,160	8,377	8,155	57,041	54,533	47,867
Short grain [1]						
Arkansas	6,000	6,000	6,000	60	60	60
California	7,150	7,350	6,450	2,646	3,087	2,451
United States	7,121	7,319	6,438	2,706	3,147	2,511
All						
Arkansas	7,340	6,920	7,490	94,710	105,314	82,644
California	8,890	8,840	8,410	37,877	47,394	37,277
Louisiana	6,940	6,630	6,710	28,791	28,390	26,503
Mississippi	7,110	7,180	7,400	10,594	13,929	8,436
Missouri	7,020	6,650	7,440	12,212	15,352	11,900
Texas	6,900	7,360	7,260	8,964	13,766	11,468
United States	7,472	7,237	7,507	193,148	224,145	178,228

- Represents zero.
[1] Sweet rice acreage, yield, and production included with short grain.

Rye Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted [1]			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Georgia	210	200	210	30	30	15
Oklahoma	250	260	260	85	75	45
Other States [2]	1,124	1,431	1,491	250	309	226
United States	1,584	1,891	1,961	365	414	286

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

[1] Includes area planted in preceding fall.

[2] For 2015, Other States include: Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin. Beginning in 2016, Other States include: Illinois, Kansas, Maine, Maryland, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, Virginia, and Wisconsin.

Proso Millet Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

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

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

All Hay Area Harvested, Yield, and Production – States and United States: 2015-2017

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama	730	810	860	2.80	2.10	2.50
Arizona	335	315	315	7.99	8.18	7.94
Arkansas	1,125	1,204	1,163	2.00	2.00	2.00
California	1,190	1,220	1,100	5.79	5.57	5.48
Colorado	1,450	1,380	1,440	2.96	2.59	2.85
Connecticut	53	45	47	1.89	1.93	2.34
Delaware	14	17	18	3.14	3.06	3.28
Florida	290	300	300	2.80	2.70	2.50
Georgia	570	600	620	2.50	2.30	2.90
Idaho	1,330	1,330	1,430	3.65	3.85	3.59
Illinois	490	480	490	3.13	3.12	3.32
Indiana	560	500	580	2.96	3.56	2.82
Iowa	1,160	910	1,080	3.40	3.53	3.10
Kansas	2,450	2,600	2,670	2.40	2.40	2.26
Kentucky	2,370	2,250	2,150	2.40	2.48	2.48
Louisiana	430	380	370	2.50	2.90	2.60
Maine	135	140	131	2.02	1.88	2.04
Maryland	215	215	205	2.47	2.68	2.73
Massachusetts	92	92	96	1.73	1.57	1.85
Michigan	970	870	900	2.68	2.71	2.38
Minnesota	1,570	1,520	1,380	2.53	2.92	2.81
Mississippi	680	640	610	2.30	2.20	2.40
Missouri	2,960	2,830	3,000	2.16	2.14	2.00
Montana	2,500	2,650	2,550	1.87	1.94	1.91
Nebraska	2,700	2,450	2,630	2.36	2.35	2.34
Nevada	320	330	360	3.44	3.34	3.22
New Hampshire	48	53	47	2.04	1.96	1.64
New Jersey	102	114	115	1.76	1.88	2.19
New Mexico	280	275	280	3.90	3.71	4.04
New York	1,230	1,360	1,320	1.99	1.68	2.11
North Carolina	777	687	653	2.40	2.31	2.30
North Dakota	2,750	2,500	2,650	1.81	1.72	1.35
Ohio	1,080	970	1,060	2.34	2.54	2.42
Oklahoma	3,020	3,010	2,980	1.96	1.94	2.01
Oregon	1,060	1,130	1,100	2.90	3.44	3.11
Pennsylvania	1,290	1,350	1,470	2.33	2.33	2.63
Rhode Island	6	7	6	2.33	1.29	2.00
South Carolina	300	320	260	2.00	2.10	2.60
South Dakota	3,400	3,100	3,100	1.94	1.77	1.54
Tennessee	1,765	1,815	1,715	2.21	2.16	2.31
Texas	4,730	4,830	4,800	2.05	2.58	2.16
Utah	670	700	700	3.67	3.71	3.69
Vermont	145	190	180	1.94	1.91	2.63
Virginia	1,175	1,215	1,205	2.25	2.34	2.36
Washington	750	840	740	3.81	3.98	4.02
West Virginia	590	587	588	1.75	1.84	1.83
Wisconsin	1,510	1,330	1,250	2.70	2.95	2.78
Wyoming	1,080	1,020	1,070	2.14	2.24	2.32
United States	54,447	53,481	53,784	2.47	2.52	2.44

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All Hay Area Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
Alabama	2,044	1,701	2,150
Arizona	2,678	2,576	2,502
Arkansas	2,254	2,414	2,331
California	6,891	6,790	6,028
Colorado	4,295	3,570	4,104
Connecticut	100	87	110
Delaware	44	52	59
Florida	812	810	750
Georgia	1,425	1,380	1,798
Idaho	4,860	5,126	5,128
Illinois	1,533	1,497	1,626
Indiana	1,656	1,781	1,635
Iowa	3,939	3,210	3,348
Kansas	5,890	6,240	6,042
Kentucky	5,689	5,580	5,325
Louisiana	1,075	1,102	962
Maine	273	263	267
Maryland	532	576	559
Massachusetts	159	144	178
Michigan	2,604	2,357	2,143
Minnesota	3,979	4,440	3,884
Mississippi	1,564	1,408	1,464
Missouri	6,398	6,066	5,985
Montana	4,680	5,130	4,880
Nebraska	6,360	5,748	6,159
Nevada	1,100	1,102	1,160
New Hampshire	98	104	77
New Jersey	180	214	252
New Mexico	1,091	1,019	1,130
New York	2,449	2,285	2,790
North Carolina	1,868	1,587	1,503
North Dakota	4,975	4,305	3,580
Ohio	2,532	2,466	2,567
Oklahoma	5,914	5,838	5,998
Oregon	3,072	3,891	3,418
Pennsylvania	3,010	3,150	3,872
Rhode Island	14	9	12
South Carolina	600	672	676
South Dakota	6,580	5,500	4,785
Tennessee	3,901	3,924	3,966
Texas	9,720	12,439	10,350
Utah	2,459	2,600	2,583
Vermont	281	363	474
Virginia	2,645	2,847	2,838
Washington	2,856	3,343	2,973
West Virginia	1,035	1,079	1,078
Wisconsin	4,073	3,926	3,477
Wyoming	2,315	2,284	2,479
United States	134,502	134,995	131,455

Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2015-2017

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Arizona	300	280	275	8.40	8.60	8.40
Arkansas	5	4	3	2.70	3.60	3.60
California	790	720	660	6.90	7.00	6.80
Colorado	700	680	720	4.10	3.50	3.90
Connecticut	7	5	7	1.80	2.10	2.60
Delaware	4	5	6	2.70	2.80	3.90
Idaho	1,000	1,000	1,060	4.20	4.40	4.00
Illinois	230	230	220	3.50	3.90	4.20
Indiana	230	210	270	3.90	4.20	3.30
Iowa	770	550	720	3.90	4.20	3.50
Kansas	650	700	570	3.80	4.30	3.60
Kentucky	170	150	150	3.70	3.60	3.50
Maine	10	10	6	2.30	2.20	2.80
Maryland	35	35	35	4.40	4.10	4.30
Massachusetts	9	7	6	2.00	2.30	2.70
Michigan	660	640	610	3.10	3.00	2.80
Minnesota	1,050	1,000	870	2.70	3.40	3.35
Missouri	260	230	300	2.80	3.20	2.40
Montana	1,700	1,800	1,600	2.00	2.00	2.10
Nebraska	850	750	830	4.00	4.15	3.95
Nevada	200	190	200	4.30	4.40	4.20
New Hampshire	3	3	2	2.50	1.40	2.30
New Jersey	12	11	11	3.00	3.50	3.10
New Mexico	190	190	190	4.70	4.60	5.00
New York	280	350	400	2.30	2.20	2.95
North Carolina	7	7	3	2.80	3.30	2.70
North Dakota	1,500	1,400	1,350	1.90	1.70	1.40
Ohio	330	330	310	2.90	3.40	3.20
Oklahoma	220	210	280	2.70	3.80	3.10
Oregon	370	420	420	4.20	4.70	4.90
Pennsylvania	430	350	430	2.60	3.00	3.20
Rhode Island	1	1	1	2.00	1.10	2.00
South Dakota	1,900	1,700	1,500	2.20	2.00	1.75
Tennessee	15	15	15	3.40	3.60	3.70
Texas	130	130	100	4.00	5.30	4.80
Utah	510	530	530	4.10	4.20	4.20
Vermont	35	30	30	3.00	2.50	1.80
Virginia	75	65	55	3.00	3.10	3.50
Washington	390	430	390	5.20	5.20	5.20
West Virginia	20	17	18	3.30	3.10	2.90
Wisconsin	1,200	1,000	860	2.80	3.20	3.00
Wyoming	530	500	550	2.50	2.80	2.90
United States	17,778	16,885	16,563	3.32	3.45	3.32

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Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
Arizona	2,520	2,408	2,310
Arkansas	14	14	11
California	5,451	5,040	4,488
Colorado	2,870	2,380	2,808
Connecticut	13	11	18
Delaware	11	14	23
Idaho	4,200	4,400	4,240
Illinois	805	897	924
Indiana	897	882	891
Iowa	3,003	2,310	2,520
Kansas	2,470	3,010	2,052
Kentucky	629	540	525
Maine	23	22	17
Maryland	154	144	151
Massachusetts	18	16	16
Michigan	2,046	1,920	1,708
Minnesota	2,835	3,400	2,915
Missouri	728	736	720
Montana	3,400	3,600	3,360
Nebraska	3,400	3,113	3,279
Nevada	860	836	840
New Hampshire	8	4	5
New Jersey	36	39	34
New Mexico	893	874	950
New York	644	770	1,180
North Carolina	20	23	8
North Dakota	2,850	2,380	1,890
Ohio	957	1,122	992
Oklahoma	594	798	868
Oregon	1,554	1,974	2,058
Pennsylvania	1,118	1,050	1,376
Rhode Island	2	1	2
South Dakota	4,180	3,400	2,625
Tennessee	51	54	56
Texas	520	689	480
Utah	2,091	2,226	2,226
Vermont	105	75	54
Virginia	225	202	193
Washington	2,028	2,236	2,028
West Virginia	66	53	52
Wisconsin	3,360	3,200	2,580
Wyoming	1,325	1,400	1,595
United States	58,974	58,263	55,068

All Other Hay Area Harvested, Yield, and Production – States and United States: 2015-2017

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama [1]	730	810	860	2.80	2.10	2.50
Arizona	35	35	40	4.50	4.80	4.80
Arkansas	1,120	1,200	1,160	2.00	2.00	2.00
California	400	500	440	3.60	3.50	3.50
Colorado	750	700	720	1.90	1.70	1.80
Connecticut	46	40	40	1.90	1.90	2.30
Delaware	10	12	12	3.30	3.20	3.00
Florida [1]	290	300	300	2.80	2.70	2.50
Georgia [1]	570	600	620	2.50	2.30	2.90
Idaho	330	330	370	2.00	2.20	2.40
Illinois	260	250	270	2.80	2.40	2.60
Indiana	330	290	310	2.30	3.10	2.40
Iowa	390	360	360	2.40	2.50	2.30
Kansas	1,800	1,900	2,100	1.90	1.70	1.90
Kentucky	2,200	2,100	2,000	2.30	2.40	2.40
Louisiana [1]	430	380	370	2.50	2.90	2.60
Maine	125	130	125	2.00	1.85	2.00
Maryland	180	180	170	2.10	2.40	2.40
Massachusetts	83	85	90	1.70	1.50	1.80
Michigan	310	230	290	1.80	1.90	1.50
Minnesota	520	520	510	2.20	2.00	1.90
Mississippi [1]	680	640	610	2.30	2.20	2.40
Missouri	2,700	2,600	2,700	2.10	2.05	1.95
Montana	800	850	950	1.60	1.80	1.60
Nebraska	1,850	1,700	1,800	1.60	1.55	1.60
Nevada	120	140	160	2.00	1.90	2.00
New Hampshire	45	50	45	2.00	2.00	1.60
New Jersey	90	103	104	1.60	1.70	2.10
New Mexico	90	85	90	2.20	1.70	2.00
New York	950	1,010	920	1.90	1.50	1.75
North Carolina	770	680	650	2.40	2.30	2.30
North Dakota	1,250	1,100	1,300	1.70	1.75	1.30
Ohio	750	640	750	2.10	2.10	2.10
Oklahoma	2,800	2,800	2,700	1.90	1.80	1.90
Oregon	690	710	680	2.20	2.70	2.00
Pennsylvania	860	1,000	1,040	2.20	2.10	2.40
Rhode Island	5	6	5	2.30	1.30	1.90
South Carolina [1]	300	320	260	2.00	2.10	2.60
South Dakota	1,500	1,400	1,600	1.60	1.50	1.35
Tennessee	1,750	1,800	1,700	2.20	2.15	2.30
Texas	4,600	4,700	4,700	2.00	2.50	2.10
Utah	160	170	170	2.30	2.20	2.10
Vermont	110	160	150	1.60	1.80	2.80
Virginia	1,100	1,150	1,150	2.20	2.30	2.30
Washington	360	410	350	2.30	2.70	2.70
West Virginia	570	570	570	1.70	1.80	1.80
Wisconsin	310	330	390	2.30	2.20	2.30
Wyoming	550	520	520	1.80	1.70	1.70
United States	36,669	36,596	37,221	2.06	2.10	2.05

See footnote(s) at end of table.

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All Other Hay Area Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
Alabama [1]	2,044	1,701	2,150
Arizona	158	168	192
Arkansas	2,240	2,400	2,320
California	1,440	1,750	1,540
Colorado	1,425	1,190	1,296
Connecticut	87	76	92
Delaware	33	38	36
Florida [1]	812	810	750
Georgia [1]	1,425	1,380	1,798
Idaho	660	726	888
Illinois	728	600	702
Indiana	759	899	744
Iowa	936	900	828
Kansas	3,420	3,230	3,990
Kentucky	5,060	5,040	4,800
Louisiana [1]	1,075	1,102	962
Maine	250	241	250
Maryland	378	432	408
Massachusetts	141	128	162
Michigan	558	437	435
Minnesota	1,144	1,040	969
Mississippi [1]	1,564	1,408	1,464
Missouri	5,670	5,330	5,265
Montana	1,280	1,530	1,520
Nebraska	2,960	2,635	2,880
Nevada	240	266	320
New Hampshire	90	100	72
New Jersey	144	175	218
New Mexico	198	145	180
New York	1,805	1,515	1,610
North Carolina	1,848	1,564	1,495
North Dakota	2,125	1,925	1,690
Ohio	1,575	1,344	1,575
Oklahoma	5,320	5,040	5,130
Oregon	1,518	1,917	1,360
Pennsylvania	1,892	2,100	2,496
Rhode Island	12	8	10
South Carolina [1]	600	672	676
South Dakota	2,400	2,100	2,160
Tennessee	3,850	3,870	3,910
Texas	9,200	11,750	9,870
Utah	368	374	357
Vermont	176	288	420
Virginia	2,420	2,645	2,645
Washington	828	1,107	945
West Virginia	969	1,026	1,026
Wisconsin	713	726	897
Wyoming	990	884	884
United States	75,528	76,732	76,387

[1] Alfalfa and alfalfa mixtures included in all other hay.

Forage Production

Forage production is the sum of all dry hay production and haylage/greenchop production after converting the haylage/greenchop production to a dry equivalent basis (13 percent moisture) by multiplying the green weight (weight at harvest) by 0.4943. The conversion factor (0.4943) is based on the assumption that one ton of dry hay is 0.87 ton of dry matter, one ton of haylage is 0.45 ton dry matter and one ton of greenchop is 0.25 ton dry matter. The total haylage/greenchop production is assumed to be comprised of 90 percent haylage and 10 percent greenchop. Therefore, the conversion factor used to adjust haylage/greenchop production to a dry equivalent basis = ((0.45*0.9)+(0.25*0.1))/0.87 = 0.4943. The factors assumed here may vary by State and can be adjusted. Adjustments would result in a slightly different conversion factor.

All Forage Area Harvested, Yield, and Production – States and 18 State Total: 2015-2017

[All forage production is the sum of the following dry equivalents: alfalfa hay harvested as dry hay, all other hay harvested as dry hay, alfalfa haylage and greenchop, all other haylage and greenchop; after converting alfalfa and all other haylage and greenchop to a dry equivalent basis]

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	1,385	1,440	1,320	5.92	5.59	5.72
Idaho	1,400	1,385	1,495	3.88	4.26	3.76
Illinois	510	500	520	3.29	3.28	3.45
Iowa	1,240	1,010	1,140	3.52	3.71	3.20
Kansas	2,540	2,700	2,760	2.48	2.47	2.34
Michigan	1,210	1,080	1,070	3.17	3.26	2.88
Minnesota	1,890	1,835	1,560	2.81	3.19	2.99
Missouri	3,040	2,920	3,060	2.19	2.17	2.02
Nebraska	2,720	2,475	2,630	2.38	2.38	2.38
New Mexico [1]	305	(NA)	(NA)	4.00	(NA)	(NA)
New York	1,720	1,850	1,800	2.53	2.25	2.73
Ohio	1,180	1,050	1,180	2.56	2.64	2.57
Pennsylvania	1,620	1,720	1,815	2.71	2.68	2.95
South Dakota	3,450	3,160	3,120	1.98	1.82	1.58
Texas	4,836	4,936	4,905	2.14	2.62	2.23
Vermont	270	310	290	3.17	2.70	3.89
Washington	840	870	815	4.08	4.23	4.35
Wisconsin	2,600	2,400	2,190	3.45	3.59	3.47
18 State total	32,756	31,641	31,670	2.80	2.87	2.74

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	8,200	8,053	7,550
Idaho	5,429	5,905	5,614
Illinois	1,680	1,640	1,793
Iowa	4,370	3,750	3,652
Kansas	6,293	6,656	6,452
Michigan	3,835	3,518	3,083
Minnesota	5,309	5,852	4,668
Missouri	6,651	6,342	6,193
Nebraska	6,483	5,880	6,271
New Mexico [1]	1,220	(NA)	(NA)
New York	4,346	4,165	4,915
Ohio	3,018	2,768	3,032
Pennsylvania	4,393	4,613	5,356
South Dakota	6,835	5,740	4,925
Texas	10,334	12,945	10,921
Vermont	856	838	1,127
Washington	3,427	3,679	3,542
Wisconsin	8,967	8,607	7,598
18 State total	91,646	90,951	86,692

(NA) Not available.
[1] Estimates discontinued in 2016.

All Alfalfa Forage Area Harvested, Yield, and Production – States and 18 State Total: 2015-2017

[All alfalfa forage production is the sum of alfalfa harvested as dry hay and alfalfa haylage and greenchop production after converting it to a dry equivalent basis]

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	815	800	700	6.96	6.68	6.67
Idaho	1,030	1,030	1,090	4.45	4.90	4.18
Illinois	250	240	240	3.76	4.22	4.43
Iowa	810	620	770	4.06	4.38	3.62
Kansas	700	720	580	3.78	4.35	3.71
Michigan	890	830	780	3.62	3.64	3.33
Minnesota	1,350	1,285	1,040	3.04	3.67	3.52
Missouri	290	240	310	2.89	3.31	2.51
Nebraska	860	760	830	4.03	4.18	3.99
New Mexico [1]	190	(NA)	(NA)	4.78	(NA)	(NA)
New York	530	650	700	3.63	3.16	3.93
Ohio	400	390	400	3.37	3.53	3.41
Pennsylvania	660	540	645	3.27	3.71	3.66
South Dakota	1,930	1,740	1,500	2.23	2.05	1.79
Texas	136	136	105	3.98	5.24	4.73
Vermont	60	50	50	3.73	5.06	3.46
Washington	425	440	425	5.16	5.33	5.32
Wisconsin	2,150	1,950	1,700	3.57	3.80	3.75
18 State total	13,476	12,421	11,865	3.71	3.92	3.71

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	5,676	5,346	4,666
Idaho	4,581	5,043	4,561
Illinois	939	1,012	1,063
Iowa	3,292	2,714	2,790
Kansas	2,648	3,129	2,151
Michigan	3,220	3,020	2,598
Minnesota	4,098	4,715	3,665
Missouri	839	795	779
Nebraska	3,467	3,177	3,312
New Mexico [1]	908	(NA)	(NA)
New York	1,925	2,055	2,751
Ohio	1,347	1,376	1,365
Pennsylvania	2,160	2,002	2,359
South Dakota	4,309	3,566	2,682
Texas	541	713	497
Vermont	224	253	173
Washington	2,191	2,345	2,263
Wisconsin	7,685	7,406	6,369
18 State total	50,050	48,667	44,044

(NA) Not available.

[1] Estimates discontinued in 2016.

All Other Forage Area Harvested, Yield, and Production – States and 18 State Total: 2015-2017

[All other forage production is the sum of other harvested as dry hay and other haylage and greenchop production after converting it to a dry equivalent basis]

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	570	640	620	4.43	4.23	4.65
Idaho	370	355	405	2.29	2.43	2.60
Illinois	260	260	280	2.85	2.42	2.61
Iowa	430	390	370	2.51	2.66	2.33
Kansas	1,840	1,980	2,180	1.98	1.78	1.97
Michigan	320	250	290	1.92	1.99	1.67
Minnesota	540	550	520	2.24	2.07	1.93
Missouri	2,750	2,680	2,750	2.11	2.07	1.97
Nebraska	1,860	1,715	1,800	1.62	1.58	1.64
New Mexico [1]	115	(NA)	(NA)	2.71	(NA)	(NA)
New York	1,190	1,200	1,100	2.03	1.76	1.97
Ohio	780	660	780	2.14	2.11	2.14
Pennsylvania	960	1,180	1,170	2.33	2.21	2.56
South Dakota	1,520	1,420	1,620	1.66	1.53	1.38
Texas	4,700	4,800	4,800	2.08	2.55	2.17
Vermont	210	260	240	3.01	2.25	3.98
Washington	415	430	390	2.98	3.10	3.28
Wisconsin	450	450	490	2.85	2.67	2.51
18 State total	19,280	19,220	19,805	2.16	2.20	2.15

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	2,524	2,707	2,884
Idaho	848	862	1,053
Illinois	741	628	730
Iowa	1,078	1,036	862
Kansas	3,645	3,527	4,301
Michigan	615	498	485
Minnesota	1,211	1,137	1,003
Missouri	5,812	5,547	5,414
Nebraska	3,016	2,703	2,959
New Mexico [1]	312	(NA)	(NA)
New York	2,421	2,110	2,164
Ohio	1,671	1,392	1,667
Pennsylvania	2,233	2,611	2,997
South Dakota	2,526	2,174	2,243
Texas	9,793	12,232	10,424
Vermont	632	585	954
Washington	1,236	1,334	1,279
Wisconsin	1,282	1,201	1,229
18 State total	41,596	42,284	42,648

(NA) Not available.

[1] Estimates discontinued in 2016.

All Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2015-2017

[Includes all types of forage harvested as haylage or greenchop (green weight). Forage harvested as dry hay and corn and sorghum silage/greenchop are not included]

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	240	260	240	11.03	9.83	12.83
Idaho	110	125	100	10.45	12.60	9.83
Illinois	40	40	43	7.45	7.25	7.86
Iowa	135	135	85	6.47	8.10	7.24
Kansas	130	130	110	6.27	6.46	7.55
Michigan	295	285	260	8.44	8.24	7.32
Minnesota	380	390	240	7.08	7.32	6.61
Missouri	125	130	90	4.10	4.31	4.68
Nebraska	55	45	30	4.51	5.96	7.57
New Mexico [1]	33	(NA)	(NA)	7.91	(NA)	(NA)
New York	650	680	610	5.91	5.59	7.05
Ohio	139	125	190	7.09	4.89	4.95
Pennsylvania	435	470	460	6.43	6.30	6.53
South Dakota	80	75	70	6.44	6.47	4.06
Texas	256	137	165	4.85	7.47	7.00
Vermont	170	160	150	6.84	6.00	8.80
Washington	130	67	125	8.88	10.13	9.20
Wisconsin	1,430	1,310	1,190	6.92	7.23	7.01
18 State total	4,833	4,564	4,158	6.95	7.09	7.33

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	2,648	2,556	3,078
Idaho	1,150	1,575	983
Illinois	298	290	338
Iowa	873	1,093	615
Kansas	815	840	830
Michigan	2,491	2,348	1,902
Minnesota	2,690	2,856	1,586
Missouri	513	560	421
Nebraska	248	268	227
New Mexico [1]	261	(NA)	(NA)
New York	3,839	3,804	4,298
Ohio	985	611	940
Pennsylvania	2,799	2,959	3,002
South Dakota	515	485	284
Texas	1,242	1,024	1,155
Vermont	1,163	960	1,320
Washington	1,154	679	1,150
Wisconsin	9,902	9,470	8,337
18 State total	33,586	32,378	30,466

(NA) Not available.
[1] Estimates discontinued in 2016.

Alfalfa Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2015-2017

[Includes only alfalfa and alfalfa mixtures that were harvested as haylage or greenchop (green weight). Alfalfa harvested as dry hay is not included]

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	70	100	60	6.50	6.20	6.00
Idaho	70	100	65	11.00	13.00	10.00
Illinois	34	25	30	8.00	9.30	9.40
Iowa	90	95	70	6.50	8.60	7.80
Kansas	60	30	20	6.00	8.00	10.00
Michigan	270	250	240	8.80	8.90	7.50
Minnesota	350	350	220	7.30	7.60	6.90
Missouri	45	20	20	5.00	6.00	6.00
Nebraska	30	20	10	4.50	6.50	6.70
New Mexico [1]	3	(NA)	(NA)	10.00	(NA)	(NA)
New York	360	400	410	7.20	6.50	7.75
Ohio	100	90	130	7.90	5.70	5.80
Pennsylvania	285	275	265	7.40	7.00	7.50
South Dakota	50	50	35	5.20	6.70	3.30
Texas	6	7	5	7.00	7.00	7.00
Vermont	40	40	30	6.00	9.00	8.00
Washington	45	22	50	7.30	10.00	9.50
Wisconsin	1,250	1,150	1,050	7.00	7.40	7.30
18 State total	3,158	3,024	2,710	7.24	7.56	7.38

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	455	620	360
Idaho	770	1,300	650
Illinois	272	233	282
Iowa	585	817	546
Kansas	360	240	200
Michigan	2,376	2,225	1,800
Minnesota	2,555	2,660	1,518
Missouri	225	120	120
Nebraska	135	130	67
New Mexico [1]	30	(NA)	(NA)
New York	2,592	2,600	3,178
Ohio	790	513	754
Pennsylvania	2,109	1,925	1,988
South Dakota	260	335	116
Texas	42	49	35
Vermont	240	360	240
Washington	329	220	475
Wisconsin	8,750	8,510	7,665
18 State total	22,875	22,857	19,994

(NA) Not available.

[1] Estimates discontinued in 2016.

All Other Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2015-2017

[Includes all types of mixtures excluding alfalfa that were harvested as haylage or greenchop (green weight). All other area harvested as dry hay is not included]

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	170	160	180	12.90	12.10	15.10
Idaho	40	25	35	9.50	11.00	9.50
Illinois	6	15	13	4.40	3.80	4.30
Iowa	45	40	15	6.40	6.90	4.60
Kansas	70	100	90	6.50	6.00	7.00
Michigan	25	35	20	4.60	3.50	5.10
Minnesota	30	40	20	4.50	4.90	3.40
Missouri	80	110	70	3.60	4.00	4.30
Nebraska	25	25	20	4.50	5.50	8.00
New Mexico [1]	30	(NA)	(NA)	7.70	(NA)	(NA)
New York	290	280	200	4.30	4.30	5.60
Ohio	39	35	60	5.00	2.80	3.10
Pennsylvania	150	195	195	4.60	5.30	5.20
South Dakota	30	25	35	8.50	6.00	4.80
Texas	250	130	160	4.80	7.50	7.00
Vermont	130	120	120	7.10	5.00	9.00
Washington	85	45	75	9.70	10.20	9.00
Wisconsin	180	160	140	6.40	6.00	4.80
18 State total	1,675	1,540	1,448	6.39	6.18	7.23

State	Production		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	2,193	1,936	2,718
Idaho	380	275	333
Illinois	26	57	56
Iowa	288	276	69
Kansas	455	600	630
Michigan	115	123	102
Minnesota	135	196	68
Missouri	288	440	301
Nebraska	113	138	160
New Mexico [1]	231	(NA)	(NA)
New York	1,247	1,204	1,120
Ohio	195	98	186
Pennsylvania	690	1,034	1,014
South Dakota	255	150	168
Texas	1,200	975	1,120
Vermont	923	600	1,080
Washington	825	459	675
Wisconsin	1,152	960	672
18 State total	10,711	9,521	10,472

(NA) Not available.
[1] Estimates discontinued in 2016.

New Seedings of Alfalfa and Alfalfa Mixtures – States and United States: 2015-2017

State	Area seeded		
	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona	55	55	60
Arkansas	-	1	1
California	90	85	100
Colorado	85	70	70
Connecticut	1	1	1
Delaware	1	1	1
Idaho	140	115	125
Illinois	30	35	20
Indiana	35	35	40
Iowa	90	80	80
Kansas	75	75	65
Kentucky	27	25	17
Maine	2	2	1
Maryland	8	5	8
Massachusetts	1	1	1
Michigan	115	80	80
Minnesota	230	200	160
Missouri	30	35	30
Montana	100	120	100
Nebraska	140	110	150
Nevada	18	20	22
New Hampshire	1	1	1
New Jersey	3	2	1
New Mexico	25	25	15
New York	100	90	85
North Carolina	2	1	1
North Dakota	90	120	130
Ohio	100	70	50
Oklahoma	35	35	25
Oregon	45	35	65
Pennsylvania	95	80	80
South Dakota	120	150	125
Tennessee	1	3	3
Texas	15	20	10
Utah	65	55	60
Vermont	6	5	4
Virginia	12	9	11
Washington	60	50	70
West Virginia	2	1	2
Wisconsin	440	320	300
Wyoming	45	45	40
United States	2,535	2,268	2,210

- Represents zero.

Peanut Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

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

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

(NA) Not available.

[1] Estimates began in 2016.

Canola Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	28.0	21.0	23.0	27.0	20.5	22.3
Kansas [1]	(D)	25.0	50.0	(D)	24.0	47.0
Minnesota	23.0	29.0	36.0	21.5	27.5	34.5
Montana	82.0	62.0	155.0	77.0	60.0	137.0
North Dakota	1,410.0	1,460.0	1,590.0	1,400.0	1,450.0	1,560.0
Oklahoma	140.0	80.0	160.0	115.0	75.0	140.0
Oregon	4.3	4.0	8.0	1.8	3.7	7.2
Washington	37.0	33.0	55.0	34.0	31.0	54.0
Other States [2]	52.7	-	-	37.2	-	-
United States	1,777.0	1,714.0	2,077.0	1,713.5	1,691.7	2,002.0

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Idaho	1,400	2,100	1,550	37,800	43,050	34,565
Kansas [1]	(D)	1,940	1,320	(D)	46,560	62,040
Minnesota	1,880	1,700	2,050	40,420	46,750	70,725
Montana	1,220	1,670	870	93,940	100,200	119,190
North Dakota	1,780	1,840	1,630	2,492,000	2,668,000	2,542,800
Oklahoma	1,140	1,520	1,370	131,100	114,000	191,800
Oregon	1,800	2,400	1,550	3,240	8,880	11,160
Washington	1,100	1,900	1,600	37,400	58,900	86,400
Other States [2]	1,144	-	-	42,570	-	-
United States	1,680	1,824	1,558	2,878,470	3,086,340	3,118,680

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
[1] Beginning in 2016, Kansas is published individually.
[2] For 2015, Other States include Colorado and Kansas. Beginning in 2016, Other States is discontinued.

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Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2015-2017

Varietal type and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Oil						
California	33.0	45.0	54.0	33.0	44.5	52.5
Colorado	60.0	60.0	80.0	57.0	57.0	74.0
Kansas	57.0	45.0	52.0	53.0	42.0	50.0
Minnesota	77.0	66.0	34.0	75.0	64.0	33.0
Nebraska	29.0	29.0	30.0	27.0	28.0	28.5
North Dakota	620.0	630.0	395.0	605.0	610.0	384.0
Oklahoma [1]	3.5	(NA)	(NA)	3.0	(NA)	(NA)
South Dakota	580.0	510.0	540.0	570.0	495.0	520.0
Texas	91.0	33.0	31.0	87.0	28.0	30.0
United States	1,550.5	1,418.0	1,216.0	1,510.0	1,368.5	1,172.0
Non-oil						
California	1.4	1.6	1.3	1.4	1.5	1.3
Colorado	13.0	14.0	12.0	12.0	13.0	11.0
Kansas	27.0	18.0	13.5	25.0	16.0	12.2
Minnesota	24.0	14.0	4.7	23.5	13.5	4.2
Nebraska	20.0	12.5	15.5	17.5	11.0	15.0
North Dakota	100.0	58.0	43.0	97.0	53.0	42.0
Oklahoma [1]	2.2	(NA)	(NA)	2.0	(NA)	(NA)
South Dakota	99.0	48.0	82.0	92.0	45.0	74.0
Texas	22.0	12.5	15.0	19.0	10.5	13.0
United States	308.6	178.6	187.0	289.4	163.5	172.7
All						
California	34.4	46.6	55.3	34.4	46.0	53.8
Colorado	73.0	74.0	92.0	69.0	70.0	85.0
Kansas	84.0	63.0	65.5	78.0	58.0	62.2
Minnesota	101.0	80.0	38.7	98.5	77.5	37.2
Nebraska	49.0	41.5	45.5	44.5	39.0	43.5
North Dakota	720.0	688.0	438.0	702.0	663.0	426.0
Oklahoma [1]	5.7	(NA)	(NA)	5.0	(NA)	(NA)
South Dakota	679.0	558.0	622.0	662.0	540.0	594.0
Texas	113.0	45.5	46.0	106.0	38.5	43.0
United States	1,859.1	1,596.6	1,403.0	1,799.4	1,532.0	1,344.7

See footnote(s) at end of table.

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Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2015-2017 (continued)

Varietal type and State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Oil						
California	1,300	1,350	1,050	42,900	60,075	55,125
Colorado	1,200	1,200	1,030	68,400	68,400	76,220
Kansas	1,520	1,370	1,420	80,560	57,540	71,000
Minnesota	1,650	1,500	1,800	123,750	96,000	59,400
Nebraska	1,580	1,350	1,440	42,660	37,800	41,040
North Dakota	1,470	1,730	1,630	889,350	1,055,300	625,920
Oklahoma [1]	1,600	(NA)	(NA)	4,800	(NA)	(NA)
South Dakota	1,840	1,940	1,700	1,048,800	960,300	884,000
Texas	950	1,200	1,480	82,650	33,600	44,400
United States	1,579	1,731	1,585	2,383,870	2,369,015	1,857,105
Non-oil						
California	1,300	1,200	1,000	1,820	1,800	1,300
Colorado	1,400	1,700	1,300	16,800	22,100	14,300
Kansas	2,200	1,570	1,460	55,000	25,120	17,812
Minnesota	1,800	1,300	1,950	42,300	17,550	8,190
Nebraska	2,100	1,850	1,870	36,750	20,350	28,050
North Dakota	1,850	1,550	1,690	179,450	82,150	70,980
Oklahoma [1]	900	(NA)	(NA)	1,800	(NA)	(NA)
South Dakota	1,970	2,150	2,100	181,240	96,750	155,400
Texas	1,300	1,600	1,200	24,700	16,800	15,600
United States	1,865	1,729	1,804	539,860	282,620	311,632
All						
California	1,300	1,345	1,049	44,720	61,875	56,425
Colorado	1,235	1,293	1,065	85,200	90,500	90,520
Kansas	1,738	1,425	1,428	135,560	82,660	88,812
Minnesota	1,686	1,465	1,817	166,050	113,550	67,590
Nebraska	1,784	1,491	1,588	79,410	58,150	69,090
North Dakota	1,523	1,716	1,636	1,068,800	1,137,450	696,900
Oklahoma [1]	1,320	(NA)	(NA)	6,600	(NA)	(NA)
South Dakota	1,858	1,958	1,750	1,230,040	1,057,050	1,039,400
Texas	1,013	1,309	1,395	107,350	50,400	60,000
United States	1,625	1,731	1,613	2,923,730	2,651,635	2,168,737

(NA) Not available.
[1] Estimates discontinued in 2016.

Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

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

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Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

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

Soybean Objective Yield Data

The National Agricultural Statistics Service conducted an objective yield survey in 11 soybean producing States during 2017. Randomly selected plots in soybean 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.

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

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)
Arkansas						**Missouri**					
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	2,075	Final	1,500	2,043	1,899	2,164	2,239
Illinois						**Nebraska**					
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	1,947	Final	1,801	1,743	1,884	2,074	1,853
Indiana						**North Dakota**					
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	1,774	Final	1,336	1,459	1,337	1,470	1,451
Iowa						**Ohio**					
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	1,735	Final	1,799	1,796	1,776	1,782	1,823
Kansas						**South Dakota**					
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	1,561	Final	1,489	1,501	1,563	1,665	1,457
Minnesota						**11-State**					
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	1,480	Final	1,580	1,720	1,764	1,870	1,752

(NA) Not available.

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

State and year	Row width (inches)				
	Less than 7.5 [1]	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 [1]	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.
[1] Includes broadcast soybeans.

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

State and year	Samples	Row width (inches)					
		10.0 or less [1]	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater	row width [1]
	(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	197	16.3	24.2	2.3	19.8	37.4	26.4
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)					
		10.0 or less [1]	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater	row width [1]
	(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.
[1] Broadcast soybeans included as "10.0 inches or less" but excluded in computation of average width.

Flaxseed Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Minnesota [1]	3	(NA)	(NA)	3	(NA)	(NA)
Montana	31	29	52	30	28	38
North Dakota	410	335	245	405	329	229
South Dakota	19	10	6	18	9	5
United States	463	374	303	456	366	272

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

(NA) Not available.
[1] Estimates discontinued in 2016.

Safflower Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California	61.0	62.0	56.0	61.0	61.5	55.5
Idaho [1]	(D)	18.0	22.5	(D)	17.5	21.5
Montana	50.0	37.0	39.0	44.0	34.0	28.0
North Dakota	10.5	8.3	7.1	10.4	7.7	5.2
South Dakota [1]	(D)	21.8	21.9	(D)	18.5	18.5
Utah	16.0	14.0	15.5	15.5	13.5	14.5
Other States [2]	32.7	-	-	30.2	-	-
United States	170.2	161.1	162.0	161.1	152.7	143.2

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	2,100	2,200	1,950	128,100	135,300	108,225
Idaho [1]	(D)	850	960	(D)	14,875	20,640
Montana	840	810	610	36,960	27,540	17,080
North Dakota	1,050	1,250	930	10,920	9,625	4,836
South Dakota [1]	(D)	1,100	790	(D)	20,350	14,615
Utah	910	810	1,000	14,105	10,935	14,500
Other States [2]	939	-	-	28,366	-	-
United States	1,356	1,432	1,256	218,451	218,625	179,896

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
[1] Beginning in 2016, Idaho and South Dakota are published individually.
[2] For 2015, Other States include Colorado, Idaho, and South Dakota. Beginning in 2016, Colorado and Other States are discontinued.

Other Oilseed Area Planted and Harvested, Yield, and Production by Crop – United States: 2015-2017

Crop	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Rapeseed [1]	1.2	11.0	10.1	1.1	10.5	9.7
Mustard seed [2]	44.0	103.1	103.0	40.1	98.2	95.4
State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Rapeseed [1]	1,382	1,840	2,139	1,520	19,320	20,750
Mustard seed [2]	671	980	632	26,927	96,270	60,250

[1] For 2015, rapeseed program States include Idaho, Minnesota, Oregon, and Washington. Beginning in 2016, rapeseed program states include Idaho, Montana, North Carolina, North Dakota, Oregon, and Washington.
[2] Mustard seed program States include Idaho, Montana, North Dakota, Oregon, and Washington.

Cotton Area Planted and Harvested, Yield, and Production by Type – States and United States: 2015-2017

Type and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Upland						
Alabama	315.0	345.0	435.0	307.0	343.0	430.0
Arizona	89.0	120.0	160.0	88.0	118.0	159.0
Arkansas	210.0	380.0	445.0	207.0	375.0	438.0
California	47.0	63.0	88.0	46.0	62.0	87.0
Florida	85.0	103.0	99.0	83.0	102.0	98.0
Georgia	1,130.0	1,180.0	1,280.0	1,120.0	1,165.0	1,270.0
Kansas	16.0	32.0	93.0	16.0	31.0	90.0
Louisiana	115.0	140.0	220.0	112.0	137.0	217.0
Mississippi	320.0	435.0	630.0	315.0	430.0	625.0
Missouri	185.0	280.0	305.0	175.0	266.0	297.0
New Mexico	35.0	47.0	66.0	31.0	41.0	47.0
North Carolina	385.0	280.0	375.0	355.0	255.0	367.0
Oklahoma	215.0	305.0	585.0	205.0	290.0	555.0
South Carolina	235.0	190.0	250.0	136.0	183.0	248.0
Tennessee	155.0	255.0	345.0	140.0	250.0	340.0
Texas	4,800.0	5,650.0	6,900.0	4,500.0	5,200.0	5,750.0
Virginia	85.0	73.0	84.0	84.0	72.0	83.0
United States	8,422.0	9,878.0	12,360.0	7,920.0	9,320.0	11,101.0
American Pima						
Arizona	17.5	14.5	15.0	17.0	11.0	14.5
California	117.0	155.0	215.0	116.0	154.0	213.0
New Mexico	7.0	8.0	7.5	6.9	7.8	7.4
Texas	17.0	17.0	14.0	15.0	15.0	13.0
United States	158.5	194.5	251.5	154.9	187.8	247.9
All						
Alabama	315.0	345.0	435.0	307.0	343.0	430.0
Arizona	106.5	134.5	175.0	105.0	129.0	173.5
Arkansas	210.0	380.0	445.0	207.0	375.0	438.0
California	164.0	218.0	303.0	162.0	216.0	300.0
Florida	85.0	103.0	99.0	83.0	102.0	98.0
Georgia	1,130.0	1,180.0	1,280.0	1,120.0	1,165.0	1,270.0
Kansas	16.0	32.0	93.0	16.0	31.0	90.0
Louisiana	115.0	140.0	220.0	112.0	137.0	217.0
Mississippi	320.0	435.0	630.0	315.0	430.0	625.0
Missouri	185.0	280.0	305.0	175.0	266.0	297.0
New Mexico	42.0	55.0	73.5	37.9	48.8	54.4
North Carolina	385.0	280.0	375.0	355.0	255.0	367.0
Oklahoma	215.0	305.0	585.0	205.0	290.0	555.0
South Carolina	235.0	190.0	250.0	136.0	183.0	248.0
Tennessee	155.0	255.0	345.0	140.0	250.0	340.0
Texas	4,817.0	5,667.0	6,914.0	4,515.0	5,215.0	5,763.0
Virginia	85.0	73.0	84.0	84.0	72.0	83.0
United States	8,580.5	10,072.5	12,611.5	8,074.9	9,507.8	11,348.9

See footnote(s) at end of table.

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Cotton Area Planted and Harvested, Yield, and Production by Type – States and United States: 2015-2017 (continued)

Type and State	Yield per acre			Production [1]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 bales) [2]	(1,000 bales) [2]	(1,000 bales) [2]
Upland						
Alabama	866	988	904	554.0	706.0	810.0
Arizona	1,511	1,525	1,509	277.0	375.0	500.0
Arkansas	1,092	1,075	1,205	471.0	840.0	1,100.0
California	1,722	1,897	1,324	165.0	245.0	240.0
Florida	885	922	784	153.0	196.0	160.0
Georgia	966	898	850	2,255.0	2,180.0	2,250.0
Kansas	1,050	1,099	987	35.0	71.0	185.0
Louisiana	810	939	907	189.0	268.0	410.0
Mississippi	1,024	1,207	1,075	672.0	1,081.0	1,400.0
Missouri	1,097	1,021	1,172	400.0	566.0	725.0
New Mexico	929	1,030	1,021	60.0	88.0	100.0
North Carolina	713	646	961	527.0	343.0	735.0
Oklahoma	876	1,021	917	374.0	617.0	1,060.0
South Carolina	547	656	910	155.0	250.0	470.0
Tennessee	1,046	1,104	1,031	305.0	575.0	730.0
Texas	610	748	793	5,720.0	8,100.0	9,500.0
Virginia	817	667	1,128	143.0	100.0	195.0
United States	755	855	889	12,455.0	16,601.0	20,570.0
American Pima						
Arizona	875	851	861	31.0	19.5	26.0
California	1,494	1,565	1,420	361.0	502.0	630.0
New Mexico	904	886	908	13.0	14.4	14.0
Texas	896	1,056	849	28.0	33.0	23.0
United States	1,342	1,454	1,342	433.0	568.9	693.0
All						
Alabama	866	988	904	554.0	706.0	810.0
Arizona	1,408	1,468	1,455	308.0	394.5	526.0
Arkansas	1,092	1,075	1,205	471.0	840.0	1,100.0
California	1,559	1,660	1,392	526.0	747.0	870.0
Florida	885	922	784	153.0	196.0	160.0
Georgia	966	898	850	2,255.0	2,180.0	2,250.0
Kansas	1,050	1,099	987	35.0	71.0	185.0
Louisiana	810	939	907	189.0	268.0	410.0
Mississippi	1,024	1,207	1,075	672.0	1,081.0	1,400.0
Missouri	1,097	1,021	1,172	400.0	566.0	725.0
New Mexico	925	1,007	1,006	73.0	102.4	114.0
North Carolina	713	646	961	527.0	343.0	735.0
Oklahoma	876	1,021	917	374.0	617.0	1,060.0
South Carolina	547	656	910	155.0	250.0	470.0
Tennessee	1,046	1,104	1,031	305.0	575.0	730.0
Texas	611	749	793	5,748.0	8,133.0	9,523.0
Virginia	817	667	1,128	143.0	100.0	195.0
United States	766	867	899	12,888.0	17,169.9	21,263.0

[1] Production ginned and to be ginned.
[2] 480-pound net weight bale.

Cottonseed Production – States and United States: 2015-2017

State	Production		
	2015	2016	2017 [1]
	(1,000 tons)	(1,000 tons)	(1,000 tons)
Alabama	162.0	207.0	239.0
Arizona	98.0	138.0	178.0
Arkansas	156.0	275.0	371.0
California	199.0	281.0	328.0
Florida	41.0	55.0	45.0
Georgia	615.0	616.0	634.0
Kansas	11.0	23.0	59.0
Louisiana	61.0	86.0	135.0
Mississippi	215.0	348.0	444.0
Missouri	154.0	198.0	262.0
New Mexico	24.0	33.0	38.0
North Carolina	156.0	99.0	217.0
Oklahoma	121.0	192.0	341.0
South Carolina	43.0	71.0	135.0
Tennessee	105.0	191.0	239.0
Texas	1,844.0	2,528.0	3,005.0
Virginia	38.0	28.0	55.0
United States	4,043.0	5,369.0	6,725.0

[1] Estimates based on 3-year average lint-seed ratio.

Tobacco Area Harvested, Yield, and Production – States and United States: 2015-2017

State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Connecticut [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Georgia	13,500	13,500	12,500	2,400	2,100	2,100
Kentucky	72,900	75,300	80,500	2,055	1,810	2,277
Massachusetts [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Carolina	173,000	166,000	163,900	2,198	1,999	2,197
Ohio [1]	1,900	(NA)	(NA)	1,900	(NA)	(NA)
Pennsylvania	7,900	8,200	8,100	2,290	2,495	2,344
South Carolina	13,000	13,000	12,000	2,000	1,900	2,100
Tennessee	20,900	20,200	21,100	2,333	1,767	2,038
Virginia	23,050	23,460	23,370	2,415	2,193	2,284
Other States [2]	2,500	-	-	1,826	-	-
United States	328,650	319,660	321,470	2,188	1,967	2,209

State	Production		
	2015	2016	2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Connecticut [1]	(D)	(NA)	(NA)
Georgia	32,400	28,350	26,250
Kentucky	149,830	136,280	183,300
Massachusetts [1]	(D)	(NA)	(NA)
North Carolina	380,250	331,800	360,040
Ohio [1]	3,610	(NA)	(NA)
Pennsylvania	18,090	20,460	18,990
South Carolina	26,000	24,700	25,200
Tennessee	48,770	35,690	43,000
Virginia	55,655	51,440	53,381
Other States [2]	4,566	-	-
United States	719,171	628,720	710,161

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Estimates discontinued in 2016.
[2] For 2015, Other States include Connecticut and Massachusetts. Beginning in 2016, Other States is discontinued.

Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2015-2017

Class, type, and State	Area harvested		
	2015	2016	2017
	(acres)	(acres)	(acres)
Class 1, Flue-cured (11-14)			
Georgia	13,500	13,500	12,500
North Carolina	172,000	165,000	163,000
South Carolina	13,000	13,000	12,000
Virginia	21,500	22,000	22,000
United States	220,000	213,500	209,500
Class 2, Fire-cured (21-23)			
Kentucky	9,900	9,500	11,500
Tennessee	7,700	7,000	7,500
Virginia	250	260	270
United States	17,850	16,760	19,270
Class 3A, Light air-cured			
Type 31, Burley			
Kentucky	58,000	61,000	63,000
North Carolina	1,000	1,000	900
Ohio [1]	1,900	(NA)	(NA)
Pennsylvania	4,700	4,800	4,500
Tennessee	12,000	12,000	12,000
Virginia	1,300	1,200	1,100
United States	78,900	80,000	81,500
Type 32, Southern Maryland			
Pennsylvania	1,600	1,800	1,800
Total light air-cured (31-32)	80,500	81,800	83,300
Class 3B, Dark air-cured (35-37)			
Kentucky	5,000	4,800	6,000
Tennessee	1,200	1,200	1,600
United States	6,200	6,000	7,600
Class 4, Cigar filler			
Type 41, Pennsylvania Seedleaf			
Pennsylvania	1,600	1,600	1,800
Class 5, Cigar binder			
Type 51, Connecticut Valley Broadleaf			
Connecticut [1]	(D)	(NA)	(NA)
Massachusetts [1]	(D)	(NA)	(NA)
United States	(D)	(NA)	(NA)
Class 6, Cigar wrapper			
Type 61, Connecticut Valley Shade-grown			
Connecticut [1]	(D)	(NA)	(NA)
Massachusetts [1]	(D)	(NA)	(NA)
United States	(D)	(NA)	(NA)
Other cigar types (51-61)	2,500	(NA)	(NA)
Total cigar types (41-61) [2]	4,100	1,600	1,800
All Tobacco			
United States	328,650	319,660	321,470

See footnote(s) at end of table.

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Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2015-2017 (continued)

Class, type, and State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Class 1, Flue-cured (11-14)						
Georgia	2,400	2,100	2,100	32,400	28,350	26,250
North Carolina	2,200	2,000	2,200	378,400	330,000	358,600
South Carolina	2,000	1,900	2,100	26,000	24,700	25,200
Virginia	2,450	2,200	2,300	52,675	48,400	50,600
United States	2,225	2,021	2,199	489,475	431,450	460,650
Class 2, Fire-cured (21-23)						
Kentucky	3,200	2,300	3,300	31,680	21,850	37,950
Tennessee	3,100	2,450	2,800	23,870	17,150	21,000
Virginia	2,300	2,000	2,150	575	520	581
United States	3,144	2,358	3,089	56,125	39,520	59,531
Class 3A, Light air-cured						
Type 31, Burley						
Kentucky	1,800	1,750	2,050	104,400	106,750	129,150
North Carolina	1,850	1,800	1,600	1,850	1,800	1,440
Ohio [1]	1,900	(NA)	(NA)	3,610	(NA)	(NA)
Pennsylvania	2,300	2,600	2,300	10,810	12,480	10,350
Tennessee	1,800	1,350	1,500	21,600	16,200	18,000
Virginia	1,850	2,100	2,000	2,405	2,520	2,200
United States	1,834	1,747	1,977	144,675	139,750	161,140
Type 32, Southern Maryland Belt						
Pennsylvania	2,200	2,300	2,400	3,520	4,140	4,320
Total light air-cured (31-32)	1,841	1,759	1,986	148,195	143,890	165,460
Class 3B, Dark air-cured (35-37)						
Kentucky	2,750	1,600	2,700	13,750	7,680	16,200
Tennessee	2,750	1,950	2,500	3,300	2,340	4,000
United States	2,750	1,670	2,658	17,050	10,020	20,200
Class 4, Cigar filler						
Type 41, Pennsylvania Seedleaf						
Pennsylvania	2,350	2,400	2,400	3,760	3,840	4,320
Class 5, Cigar binder						
Type 51 Connecticut Valley Broadleaf						
Connecticut [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Massachusetts [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
United States	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Class 6, Cigar wrapper						
Type 61, Connecticut Valley Shade-grown						
Connecticut [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Massachusetts [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
United States	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other cigar types (51-61)	1,826	(NA)	(NA)	4,566	(NA)	(NA)
Total cigar types (41-61) [2]	2,031	2,400	2,400	8,326	3,840	4,320
All tobacco						
United States	2,188	1,967	2,209	719,171	628,720	710,161

(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Estimates discontinued in 2016.
[2] Beginning in 2016, estimates only include Class 4 Cigar Filler.

Sugarbeet Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

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

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California [1]	24.7	25.3	24.8	24.7	25.2	24.7
Colorado	27.5	28.1	29.4	27.3	27.6	29.0
Idaho	174.0	172.0	167.0	172.0	170.0	166.0
Michigan	152.0	151.0	144.0	151.0	149.0	143.0
Minnesota	443.0	437.0	420.0	435.0	417.0	409.0
Montana	44.0	45.6	42.9	43.7	45.3	42.7
Nebraska	47.5	48.0	46.1	46.8	47.2	45.2
North Dakota	208.0	213.0	214.0	206.0	203.0	212.0
Oregon	7.8	10.7	9.1	7.7	10.2	9.1
Washington [2]	(NA)	2.0	1.8	(NA)	1.9	1.8
Wyoming	31.3	30.7	32.1	31.2	30.0	31.6
United States	1,159.8	1,163.4	1,131.2	1,145.4	1,126.4	1,114.1

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
California [1]	44.7	45.1	43.5	1,104	1,137	1,074
Colorado	35.1	33.6	35.7	958	927	1,035
Idaho	38.3	41.4	39.2	6,588	7,038	6,507
Michigan	31.7	30.8	25.2	4,787	4,589	3,604
Minnesota	28.0	30.0	30.6	12,180	12,510	12,515
Montana	33.0	35.0	32.7	1,442	1,586	1,396
Nebraska	28.4	29.9	31.8	1,329	1,411	1,437
North Dakota	27.9	30.8	30.4	5,747	6,252	6,445
Oregon	38.6	42.0	36.7	297	428	334
Washington [2]	(NA)	47.9	48.2	(NA)	91	87
Wyoming	30.1	31.7	28.2	939	951	891
United States	30.9	32.8	31.7	35,371	36,920	35,325

- Represents zero.
(NA) Not available.
[1] 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.
[2] Estimates began in 2016.

Sugarcane Area Harvested, Yield, and Production – States and United States: 2015-2017

State	Area harvested			Yield per acre [1]		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
For sugar						
Florida	398.0	400.0	395.0	42.5	40.3	40.9
Hawaii [2]	12.9	15.5	(NA)	88.3	86.2	(NA)
Louisiana	385.0	400.0	415.0	29.6	28.8	31.4
Texas	35.2	37.7	40.7	31.4	37.0	36.8
United States	831.1	853.2	850.7	36.8	35.6	36.1
For seed						
Florida	15.0	17.0	16.0	49.2	46.1	45.1
Hawaii [2]	2.2	-	(NA)	20.0	-	(NA)
Louisiana	25.0	31.0	25.0	29.6	28.8	31.4
Texas	1.4	1.9	1.2	32.1	37.0	42.6
United States	43.6	49.9	42.2	35.9	35.0	36.9
For sugar and seed						
Florida	413.0	417.0	411.0	42.7	40.5	41.1
Hawaii [2]	15.1	15.5	(NA)	78.3	86.2	(NA)
Louisiana	410.0	431.0	440.0	29.6	28.8	31.4
Texas	36.6	39.6	41.9	31.4	37.0	37.0
United States	874.7	903.1	892.9	36.7	35.6	36.1

State	Production [1]		
	2015	2016	2017
	(1,000 tons)	(1,000 tons)	(1,000 tons)
For sugar			
Florida	16,915	16,120	16,156
Hawaii [2]	1,139	1,336	(NA)
Louisiana	11,396	11,520	13,031
Texas	1,105	1,395	1,498
United States	30,555	30,371	30,685
For seed			
Florida	738	784	722
Hawaii [2]	44	-	(NA)
Louisiana	740	893	785
Texas	45	70	51
United States	1,567	1,747	1,558
For sugar and seed			
Florida	17,653	16,904	16,878
Hawaii [2]	1,183	1,336	(NA)
Louisiana	12,136	12,413	13,816
Texas	1,150	1,465	1,549
United States	32,122	32,118	32,243

- Represents zero.
(NA) Not available.
[1] Net tons.
[2] Estimates discontinued in 2017.

Potato Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona [1]	3.6	(NA)	(NA)	3.5	(NA)	(NA)
California	35.4	33.9	37.2	35.1	33.0	37.2
Colorado	57.7	57.3	56.7	57.4	57.1	56.4
Delaware [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Florida	30.0	25.0	29.0	29.6	22.9	28.7
Idaho	323.0	325.0	310.0	322.0	324.0	309.0
Illinois	7.5	7.0	8.1	6.9	6.9	7.6
Kansas	3.8	4.2	4.1	3.6	4.2	4.1
Maine	51.0	47.0	49.0	50.5	46.5	48.5
Maryland	2.4	(D)	2.6	2.4	(D)	2.5
Massachusetts [1]	3.6	(NA)	(NA)	3.6	(NA)	(NA)
Michigan	46.0	47.0	46.0	45.0	46.0	45.0
Minnesota	41.0	43.0	46.0	40.5	42.0	45.5
Missouri	8.5	8.2	8.8	8.1	7.9	8.5
Montana	11.0	11.1	11.1	10.9	11.0	11.0
Nebraska	15.5	16.5	19.0	15.3	16.4	18.9
Nevada [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New Jersey	(D)	(D)	1.7	(D)	(D)	1.7
New Mexico [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New York	15.0	15.0	15.0	14.8	14.8	14.9
North Carolina	13.5	14.0	16.0	12.7	13.6	15.1
North Dakota	82.0	80.0	75.0	80.0	72.0	74.0
Ohio [1]	1.3	(NA)	(NA)	1.2	(NA)	(NA)
Oregon	39.0	39.0	39.0	38.9	38.9	38.9
Pennsylvania [1]	5.4	(NA)	(NA)	5.3	(NA)	(NA)
Rhode Island [1]	0.6	(NA)	(NA)	0.6	(NA)	(NA)
Texas	20.0	20.0	22.0	18.2	19.6	21.5
Virginia	5.0	4.4	5.0	4.7	4.1	4.5
Washington	170.0	170.0	165.0	170.0	169.0	165.0
Wisconsin	63.0	65.0	68.0	62.5	64.0	67.0
Other States [2]	11.3	4.4	-	11.1	4.4	-
United States	1,066.1	1,037.0	1,034.3	1,054.4	1,018.3	1,025.5

See footnote(s) at end of table.

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Potato Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017 (continued)

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Arizona [1]	290	(NA)	(NA)	1,015	(NA)	(NA)
California	393	403	438	13,808	13,305	16,305
Colorado	393	389	382	22,575	22,236	21,527
Delaware [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Florida	230	235	250	6,808	5,382	7,175
Idaho	405	430	425	130,400	139,320	131,325
Illinois	380	380	410	2,622	2,622	3,116
Kansas	335	300	380	1,206	1,260	1,558
Maine	320	325	310	16,160	15,113	15,035
Maryland	330	(D)	365	792	(D)	913
Massachusetts [1]	305	(NA)	(NA)	1,098	(NA)	(NA)
Michigan	390	370	400	17,550	17,020	18,000
Minnesota	400	400	405	16,200	16,800	18,428
Missouri	305	305	285	2,471	2,410	2,423
Montana	325	335	340	3,543	3,685	3,740
Nebraska	450	450	480	6,885	7,380	9,072
Nevada [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New Jersey	(D)	(D)	300	(D)	(D)	510
New Mexico [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New York	280	240	290	4,144	3,552	4,321
North Carolina	210	220	230	2,667	2,992	3,473
North Dakota	345	300	340	27,600	21,600	25,160
Ohio [1]	230	(NA)	(NA)	276	(NA)	(NA)
Oregon	560	590	550	21,784	22,951	21,395
Pennsylvania [1]	280	(NA)	(NA)	1,484	(NA)	(NA)
Rhode Island [1]	135	(NA)	(NA)	81	(NA)	(NA)
Texas	375	395	395	6,825	7,742	8,493
Virginia	220	290	265	1,034	1,189	1,193
Washington	590	625	600	100,300	105,625	99,000
Wisconsin	445	435	435	27,813	27,840	29,145
Other States [2]	366	315	-	4,064	1,387	-
United States	418	433	430	441,205	441,411	441,307

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Estimates discontinued in 2016.
[2] Includes data withheld above.

Potato Area Planted and Harvested, Yield, and Production by Seasonal Group – States and United States: 2015-2017

Seasonal group and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Spring						
Arizona [1]	3.6	(NA)	(NA)	3.5	(NA)	(NA)
California	27.0	26.0	29.0	26.7	25.1	29.0
Florida	30.0	25.0	29.0	29.6	22.9	28.7
North Carolina [2]	13.5	(NA)	(NA)	12.7	(NA)	(NA)
United States	74.1	51.0	58.0	72.5	48.0	57.7
Summer						
Delaware [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Illinois	7.5	7.0	8.1	6.9	6.9	7.6
Kansas	3.8	4.2	4.1	3.6	4.2	4.1
Maryland	2.4	(D)	2.6	2.4	(D)	2.5
Missouri	8.5	8.2	8.8	8.1	7.9	8.5
New Jersey	(D)	(D)	1.7	(D)	(D)	1.7
North Carolina [2]	(NA)	14.0	16.0	(NA)	13.6	15.1
Texas	20.0	20.0	22.0	18.2	19.6	21.5
Virginia	5.0	4.4	5.0	4.7	4.1	4.5
Other States [3]	3.3	4.4	-	3.2	4.4	-
United States	50.5	62.2	68.3	47.1	60.7	65.5
Fall						
California	8.4	7.9	8.2	8.4	7.9	8.2
Colorado	57.7	57.3	56.7	57.4	57.1	56.4
San Luis Valley	51.9	51.6	51.9	51.8	51.5	51.7
All other areas	5.8	5.7	4.8	5.6	5.6	4.7
Idaho	323.0	325.0	310.0	322.0	324.0	309.0
10 Southwest counties [1]	16.0	(NA)	(NA)	16.0	(NA)	(NA)
Other Idaho counties [1]	307.0	(NA)	(NA)	306.0	(NA)	(NA)
Maine	51.0	47.0	49.0	50.5	46.5	48.5
Massachusetts [1]	3.6	(NA)	(NA)	3.6	(NA)	(NA)
Michigan	46.0	47.0	46.0	45.0	46.0	45.0
Minnesota	41.0	43.0	46.0	40.5	42.0	45.5
Montana	11.0	11.1	11.1	10.9	11.0	11.0
Nebraska	15.5	16.5	19.0	15.3	16.4	18.9
Nevada [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New Mexico [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New York	15.0	15.0	15.0	14.8	14.8	14.9
North Dakota	82.0	80.0	75.0	80.0	72.0	74.0
Ohio [1]	1.3	(NA)	(NA)	1.2	(NA)	(NA)
Oregon	39.0	39.0	39.0	38.9	38.9	38.9
Pennsylvania [1]	5.4	(NA)	(NA)	5.3	(NA)	(NA)
Rhode Island [1]	0.6	(NA)	(NA)	0.6	(NA)	(NA)
Washington	170.0	170.0	165.0	170.0	169.0	165.0
Wisconsin	63.0	65.0	68.0	62.5	64.0	67.0
Other States [3]	8.0	-	-	7.9	-	-
United States	941.5	923.8	908.0	934.8	909.6	902.3
All						
United States	1,066.1	1,037.0	1,034.3	1,054.4	1,018.3	1,025.5

See footnote(s) at end of table.

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Potato Area Planted and Harvested, Yield, and Production by Seasonal Group – States and United States: 2015-2017 (continued)

Seasonal group and State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Spring						
Arizona [1]	290	(NA)	(NA)	1,015	(NA)	(NA)
California	385	390	435	10,280	9,789	12,615
Florida	230	235	250	6,808	5,382	7,175
North Carolina [2]	210	(NA)	(NA)	2,667	(NA)	(NA)
United States	286	316	343	20,770	15,171	19,790
Summer						
Delaware [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Illinois	380	380	410	2,622	2,622	3,116
Kansas	335	300	380	1,206	1,260	1,558
Maryland	330	(D)	365	792	(D)	913
Missouri	305	305	285	2,471	2,410	2,423
New Jersey	(D)	(D)	300	(D)	(D)	510
North Carolina [2]	(NA)	220	230	(NA)	2,992	3,473
Texas	375	395	395	6,825	7,742	8,493
Virginia	220	290	265	1,034	1,189	1,193
Other States [3]	245	315	-	784	1,387	-
United States	334	323	331	15,734	19,602	21,679
Fall						
California	420	445	450	3,528	3,516	3,690
Colorado	393	389	382	22,575	22,236	21,527
San Luis Valley	385	385	375	19,943	19,828	19,388
All other areas	470	430	455	2,632	2,408	2,139
Idaho	405	430	425	130,400	139,320	131,325
10 Southwest counties [1]	500	(NA)	(NA)	8,000	(NA)	(NA)
Other Idaho counties [1]	400	(NA)	(NA)	122,400	(NA)	(NA)
Maine	320	325	310	16,160	15,113	15,035
Massachusetts [1]	305	(NA)	(NA)	1,098	(NA)	(NA)
Michigan	390	370	400	17,550	17,020	18,000
Minnesota	400	400	405	16,200	16,800	18,428
Montana	325	335	340	3,543	3,685	3,740
Nebraska	450	450	480	6,885	7,380	9,072
Nevada [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New Mexico [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
New York	280	240	290	4,144	3,552	4,321
North Dakota	345	300	340	27,600	21,600	25,160
Ohio [1]	230	(NA)	(NA)	276	(NA)	(NA)
Oregon	560	590	550	21,784	22,951	21,395
Pennsylvania [1]	280	(NA)	(NA)	1,484	(NA)	(NA)
Rhode Island [1]	135	(NA)	(NA)	81	(NA)	(NA)
Washington	590	625	600	100,300	105,625	99,000
Wisconsin	445	435	435	27,813	27,840	29,145
Other States [3]	415	-	-	3,280	-	-
United States	433	447	443	404,701	406,638	399,838
All						
United States	418	433	430	441,205	441,411	441,307

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

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: 2015-2017 Crop

State and variety	Percent of planted acres		
	2015	2016	2017
Idaho			
Russet Burbank	53.7	51.3	48.3
R Norkotah	16.2	16.7	17.1
Ranger R	14.3	13.1	14.4
Umatillas	2.1	2.1	2.4
Clearwater	(D)	1.4	2.4
Bannock	1.6	1.9	2.3
Nor Donna	(D)	(D)	2.0
Dark Red Norland	(D)	(D)	1.9
Frito-Lay	1.0	(D)	1.2
Agata	(D)	(D)	1.0
Alturas	1.2	1.7	(D)
Norland	1.9	1.1	(D)
Other	8.0	10.7	7.0
Maine			
Russet Burbank	39.4	40.6	41.7
Frito-Lay	8.7	15.7	12.2
R Norkotah	6.8	4.8	6.7
Caribou	(D)	(D)	3.3
Snowden	4.3	4.4	2.6
Norland	4.1	5.1	2.6
Lamoka	(D)	1.4	2.5
Keuka Gold	2.7	1.5	2.5
Norwis	2.2	2.6	2.3
Russet Nugget	(D)	(D)	2.0
Nadine	(D)	1.5	2.0
Atlantic	2.1	(D)	1.7
Superior	3.5	2.6	1.6
Blazer	1.4	1.0	1.5
Waneta	(D)	1.1	1.5
Shepody	1.1	(D)	1.3
Goldrush	3.6	2.5	1.1
Innovator	5.6	2.1	(D)
Ontario	1.4	(D)	(D)
Reba	1.6	(D)	(D)
Katahdin	1.1	(D)	(D)
Other	10.4	13.1	10.9
Minnesota			
Russet Burbank	52.6	63.7	60.1
Umatilla R	8.4	7.5	12.3
Norland	16.8	13.9	8.2
Dark Red Norland	(D)	(D)	5.1
Cascade	1.2	(D)	1.8
Goldrush	1.9	1.5	1.6
Dakota Rose	(D)	1.1	1.3
Alpine	1.6	1.0	1.2
Dakota Russet	(D)	(D)	1.2
Dakota Pearl	4.2	3.4	1.2
Chieftain	3.7	1.0	(D)
Modoc	2.8	(D)	(D)
Satina	1.0	(D)	(D)
Other	5.8	6.9	6.0
North Dakota			
Russet Burbank	35.6	39.2	29.2
Umatilla	10.0	12.1	14.7
Prospect	11.8	19.0	12.7
Norland	5.0	2.7	9.1
Dark Red Norland	(D)	(D)	6.8
Dakota Pearl	8.8	5.6	4.6
Bannock	5.9	4.9	3.2
Dakota Russet	(D)	1.8	2.8
Sangre	(D)	(D)	2.5
Red Pontiac	(D)	(D)	1.8
Milva	(D)	(D)	1.4
Red La Soda	(D)	2.3	1.4
Ranger	8.2	4.4	(D)
Norkotah	(D)	1.0	(D)
Ivory-Crisp	1.7	(D)	(D)
Frito-Lay	1.7	(D)	(D)
Other	11.3	7.0	9.8
Oregon			
R Norkotah	17.8	17.5	18.4
Russet Burbank	18.3	12.1	14.4
Umatilla R	16.5	17.4	13.2
Frito-Lay	4.3	5.9	12.0
Ranger	14.9	11.2	10.7
Shepody	8.5	9.4	7.6
Alturas	4.7	7.5	7.0
Lamoka	1.2	2.7	2.9
Clearwater	2.6	4.1	2.8
Ciklamen	(D)	(D)	2.2
Dakota Pearl	(D)	(D)	1.7
Yukon Gold	1.6	(D)	1.7
Premier	2.8	(D)	1.6
Agata	(D)	(D)	1.1
Pike	(D)	4.7	(D)
Atlantic	(D)	1.9	(D)
Defender	(D)	1.8	(D)
Dakota Crisp	(D)	1.2	(D)
Modoc	1.7	(D)	(D)
Other	5.1	2.6	2.7

See footnote(s) at end of table.

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Percent of Fall Potatoes Planted to Major Varieties – Selected States: 2015-2017 Crop (continued)

State and variety	Percent of planted acres			State and variety	Percent of planted acres		
	2015	2016	2017		2015	2016	2017
Washington							
Russet Burbank	32.6	31.1	26.8	**Wisconsin**			
Umatilla R	15.4	12.9	13.5	Frito-Lay	24.0	23.1	22.8
Ranger R	6.6	14.4	11.5	Russet Burbank	17.0	15.8	19.9
R Norkotah	16.2	13.3	8.2	R Norkotah	12.1	10.5	6.9
Shepody	1.8	1.8	6.5	Silverton R	6.6	6.4	6.7
Chieftain	4.1	3.4	5.5	Umatillas	4.9	6.2	6.4
Clearwater	1.3	3.0	4.3	Snowden	5.8	5.1	5.6
Alturas	6.0	5.9	4.2	Norland	5.2	7.7	5.6
Bannock	(D)	(D)	1.3	Goldrush	12.0	12.2	5.5
Satina	(D)	(D)	1.3	Lamoka	2.8	2.6	3.3
Snowden	2.2	(D)	1.1	Atlantic	2.5	2.4	2.4
Agata	(D)	(D)	1.1	Dark Red Norland	(D)	(D)	2.2
Frito-Lay	1.5	4.2	(D)	Superior	1.4	1.8	2.2
Lamoka	1.0	1.1	(D)	Pinnacle	(D)	(D)	1.3
Ciklamen	(D)	(D)	(D)	Yukon Gold	1.2	(D)	(D)
NW1	(D)	1.5	(D)	Ranger	1.2	(D)	(D)
Bintje	(D)	1.5	(D)	Other	3.3	6.2	9.2
Pike	2.2	(D)	(D)				
Other	9.1	5.9	14.7				

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

Percent of Fall Potatoes Planted to Major Varieties – Seven-State Total: 2015-2017 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		
	2015	2016	2017		2015	2016	2017
Russet Burbank	40.9	40.9	38.0	Cascade	0.2	0.1	0.2
R Norkotah	12.7	11.9	10.4	Cal White	0.2	0.1	0.2
Ranger R	8.8	9.5	8.9	Dakota Rose	(D)	0.1	0.2
Umatilla R	7.4	6.8	7.8	Keuka Gold	0.2	0.1	0.1
Frito-Lay	3.7	4.6	3.6	Norwis	0.1	0.2	0.1
Norland	3.0	2.7	2.3	White Pearl	(D)	(D)	0.1
Dark Red Norland	(D)	(D)	2.2	Western Russet	0.1	0.4	0.1
Clearwater	0.6	1.5	2.1	Ivory Russet	(D)	(D)	0.1
Shepody	0.9	1.0	1.9	Cultivate	(D)	0.2	0.1
Bannock	1.5	1.5	1.6	Russet Nugget	(D)	(D)	0.1
Prospect	1.2	2.2	1.6	Challenger	(D)	(D)	0.1
Alturas	2.2	2.3	1.6	Pinnacle	(D)	(D)	0.1
Chieftain	1.4	0.9	1.3	Blazer	0.1	0.1	0.1
Lamoka	0.7	1.0	0.8	Ivory Crisp	0.2	0.1	0.1
Snowden	1.4	0.8	0.8	Alegria	(D)	0.1	0.1
Nor Donna	(D)	0.2	0.8	Dakota Crisp	0.1	0.1	0.1
Dakota Pearl	1.1	0.9	0.7	Cecile	(D)	(D)	0.1
Agata	0.1	0.2	0.7	Manistee	(D)	(D)	0.1
Goldrush	1.4	1.3	0.6	Elfe	(D)	(D)	0.1
Atlantic	0.5	0.5	0.5	Purple Majesty	(D)	(D)	0.1
Silverton	0.5	0.6	0.5	Almera	(D)	(D)	0.1
Dakota Russet	(D)	0.2	0.5	Innate	(D)	0.3	(D)
Satina	0.2	0.1	0.4	NW1	(D)	0.3	(D)
Ciklamen	(D)	(D)	0.4	Bintje	(D)	0.3	(D)
Sangre	0.1	(D)	0.3	Highland	(D)	0.2	(D)
Teton	(D)	0.3	0.3	Innovator	0.4	0.1	(D)
Yukon Gold	0.5	0.3	0.3	Hi Lite Russet	(D)	0.1	(D)
Superior	0.4	0.3	0.3	Canella	0.1	0.1	(D)
Red Pontiac	(D)	0.1	0.3	Defender	(D)	0.1	(D)
Classic	(D)	0.4	0.2	Modoc	0.3	0.1	(D)
Pike	0.6	0.3	0.2	Gala	(D)	0.1	(D)
Red La Soda	0.1	0.4	0.2	Ontario	0.1	0.1	(D)
Waneta	(D)	0.1	0.2	All Blue	0.1	0.1	(D)
Premier	0.1	(D)	0.2	La Chipper	0.3	(D)	(D)
Colorado Rose	0.1	0.1	0.2	Rosara	0.1	(D)	(D)
Caribou	(D)	(D)	0.2	Reba	0.1	(D)	(D)
Nadine	(D)	0.1	0.2	Granola	0.1	(D)	(D)
Milva	(D)	(D)	0.2	Katahdin	0.1	(D)	(D)
Alpine	0.4	0.2	0.2	Klondike Gold Dust	0.1	(D)	(D)
				Other	4.5	2.3	4.1

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

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	8	14,878	203	12,936
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)	81	12,293
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	74	12,910
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	9	18,303	8	13,427	4	14,721	81	14,103
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	13	17,372	48	15,739	(D)	(D)	47	12,965

- 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	Whites	Yellows	Russets	All types
	(cwt per acre)	(cwt per acre)	(cwt per acre)	(cwt per acre)	(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)	48	22	23
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	13	(D)	-	22	20
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)	-	19	19
Wisconsin 2013	(D)	37	(D)	14	22
2014	(D)	12	(D)	15	13
2015	(D)	29	-	19	22
2016	8	11	-	20	14
2017	(D)	13	-	10	11

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

Fall Potato Grading Categories by Type – Selected States: 2015-2017

[Gross yield basis]

Type and State	No. 1 2 inch minimum [1]			No. 2 or processing usable 1 1/2 inch minimum [1]			Cull [2]		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Round red potatoes									
Minnesota	74.7	74.1	77.2	16.1	18.0	20.2	9.2	7.9	2.6
North Dakota	76.2	(D)	80.9	16.0	(D)	13.5	7.8	(D)	5.6
Wisconsin	(D)	78.8	76.1	(D)	20.7	23.7	(D)	0.5	0.2
Round white potatoes									
Maine [3]	82.6	85.0	88.6	7.0	7.4	10.9	10.4	7.6	0.5
North Dakota	83.9	(D)	67.8	12.2	(D)	24.4	3.9	(D)	7.8
Oregon	95.2	91.6	87.7	3.9	5.6	6.8	0.9	2.8	5.5
Wisconsin	77.3	85.1	80.4	22.6	14.8	19.6	0.1	0.1	-
All long potatoes [4]									
Idaho [5]	73.7	82.0	79.2	24.8	13.4	15.5	1.5	4.6	5.3
Maine [3]	90.8	87.6	83.2	7.0	6.0	16.1	2.2	6.4	0.7
Minnesota	73.9	71.9	73.8	15.5	21.8	21.7	10.6	6.3	4.5
North Dakota	82.3	72.3	77.9	11.4	18.9	18.2	6.3	8.8	3.9
Oregon	75.5	80.5	79.1	22.1	15.0	15.7	2.4	4.5	5.2
Washington	74.9	82.4	86.6	23.5	12.2	9.8	1.6	5.4	3.6
Wisconsin	82.2	78.1	80.8	17.6	21.8	18.6	0.2	0.1	0.6

- Represents zero.

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

[1] 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.

[2] 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.

[3] Percent of net yield adjusted for field loss.

[4] Includes Russet, Shepody, Prospect, and Defender varieties unless otherwise indicated.

[5] Russets only.

Round Potato Size Categories by Type – Selected States: 2015-2017

[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)
2015							
Red potatoes							
Minnesota	8.0	5.0	13.2	18.2	53.8	1.8	-
North Dakota	6.1	5.5	18.4	24.9	45.1	-	-
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)	(D)
White potatoes							
Maine [1]	2.5	3.2	12.1	21.8	58.7	1.7	-
North Dakota	5.9	4.7	12.4	24.2	49.5	2.2	1.1
Oregon	1.0	2.6	5.6	8.5	31.1	47.4	3.8
Wisconsin	4.4	3.5	10.5	15.8	61.6	3.8	0.4
2016							
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 [1]	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
2017							
Red potatoes							
Minnesota	6.0	6.1	12.7	23.9	48.4	2.9	-
North Dakota	4.1	4.2	10.8	19.9	60.4	0.6	-
Wisconsin	11.8	9.0	19.8	27.5	31.9	-	-
White potatoes							
Maine [1]	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	5.2	4.4	12.8	19.3	54.8	2.9	0.6

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
[1] Percent of net yield adjusted for field loss.

Long Potato (Russet and Shepody) Size Categories – Maine: 2015-2017

[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)
2015	3.3	3.0	25.1	20.2	16.8	12.4	7.9	11.3
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: 2015-2017

[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
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
2015													
Idaho [1]	1.4	5.7	3.9	22.3	9.2	8.5	8.6	6.7	6.2	4.9	3.7	3.7	15.2
Minnesota	1.4	6.2	5.9	24.3	9.2	9.9	8.0	8.0	5.6	4.5	4.2	2.8	10.0
North Dakota	1.1	4.7	4.0	23.6	9.3	9.9	8.4	8.3	5.6	5.4	3.7	3.2	12.8
Oregon	0.9	3.8	3.0	19.6	8.9	7.8	8.3	8.3	7.1	5.0	4.9	3.9	18.5
Washington	0.8	4.5	3.1	20.6	8.9	8.1	7.8	6.7	6.0	5.9	4.6	2.8	20.2
Wisconsin	0.4	4.5	4.3	23.6	11.6	10.0	8.7	6.7	6.3	5.3	4.2	3.2	11.2
2016													
Idaho [1]	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
2017													
Idaho [1]	1.6	5.8	5.6	24.3	10.8	8.7	7.5	7.1	5.6	4.5	3.7	3.2	11.6
Minnesota	1.8	8.2	8.2	29.5	10.5	9.6	7.0	5.6	4.7	3.8	2.5	2.2	6.4
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	1.4	4.6	4.1	18.8	8.6	7.8	9.1	6.9	9.1	5.0	4.2	3.7	16.7
Washington	1.0	3.0	3.8	19.0	9.9	8.9	9.2	7.2	8.6	5.4	4.1	3.8	16.1
Wisconsin	0.5	6.0	5.0	24.8	11.7	10.2	9.9	7.0	5.8	5.3	3.5	2.3	8.0

[1] Russets only.

Sweet Potato Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama [1]	2.6	(NA)	(NA)	2.5	(NA)	(NA)
Arkansas	4.0	(D)	(D)	3.8	(D)	(D)
California	18.5	20.0	21.0	18.5	20.0	21.0
Florida	5.6	(D)	(D)	5.4	(D)	(D)
Louisiana	10.0	10.0	10.0	9.0	9.5	9.5
Mississippi	27.0	30.0	30.0	26.0	29.0	29.0
New Jersey [1]	1.2	(NA)	(NA)	1.2	(NA)	(NA)
North Carolina	87.0	98.0	90.0	86.0	95.0	89.5
Texas [1]	1.0	(NA)	(NA)	0.7	(NA)	(NA)
Other States	-	10.1	10.6	-	9.8	10.3
United States	156.9	168.1	161.6	153.1	163.3	159.3

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Alabama [1]	220	(NA)	(NA)	550	(NA)	(NA)
Arkansas	195	(D)	(D)	741	(D)	(D)
California	340	310	310	6,290	6,200	6,510
Florida	205	(D)	(D)	1,107	(D)	(D)
Louisiana	220	160	230	1,980	1,520	2,185
Mississippi	145	170	170	3,770	4,930	4,930
New Jersey [1]	140	(NA)	(NA)	168	(NA)	(NA)
North Carolina	190	180	220	16,340	17,100	19,690
Texas [1]	100	(NA)	(NA)	70	(NA)	(NA)
Other States	-	183	226	-	1,796	2,331
United States	203	193	224	31,016	31,546	35,646

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Estimates discontinued in 2016.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona [1]	9.4	(NA)	(NA)	9.4	(NA)	(NA)
California	45.0	50.0	50.0	44.5	49.0	49.7
Colorado	50.0	46.0	58.0	46.5	42.5	54.5
Idaho	120.0	140.0	180.0	119.0	137.0	178.0
Kansas [1]	8.0	(NA)	(NA)	7.8	(NA)	(NA)
Michigan	275.0	210.0	220.0	272.0	208.0	218.5
Minnesota	190.0	155.0	170.0	182.0	147.0	163.0
Montana	49.0	103.0	275.0	46.5	99.5	260.0
Nebraska	140.0	138.0	180.0	128.5	122.0	155.0
New Mexico [1]	12.9	(NA)	(NA)	12.9	(NA)	(NA)
New York [1]	8.0	(NA)	(NA)	7.8	(NA)	(NA)
North Dakota	655.0	625.0	705.0	635.0	565.0	685.0
Oregon [1]	9.0	(NA)	(NA)	9.0	(NA)	(NA)
South Dakota [1]	12.5	(NA)	(NA)	11.6	(NA)	(NA)
Texas	31.0	27.0	22.0	28.0	24.0	20.0
Washington	110.0	135.0	191.0	109.0	133.0	190.0
Wisconsin [1]	7.9	(NA)	(NA)	7.9	(NA)	(NA)
Wyoming	32.0	33.0	41.0	31.0	31.1	39.0
United States	1,764.7	1,662.0	2,092.0	1,708.4	1,558.1	2,012.7

State	Yield per acre [2]			Production [2]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Arizona [1]	2,060	(NA)	(NA)	194	(NA)	(NA)
California	2,310	2,330	2,100	1,029	1,141	1,045
Colorado	1,820	1,750	2,000	846	742	1,092
Idaho	1,800	1,920	1,610	2,141	2,624	2,873
Kansas [1]	2,500	(NA)	(NA)	195	(NA)	(NA)
Michigan	2,030	1,920	2,010	5,533	4,002	4,394
Minnesota	2,140	2,230	2,190	3,896	3,279	3,567
Montana	1,340	1,620	1,000	624	1,613	2,594
Nebraska	2,380	2,270	2,520	3,057	2,766	3,901
New Mexico [1]	2,050	(NA)	(NA)	264	(NA)	(NA)
New York [1]	1,510	(NA)	(NA)	118	(NA)	(NA)
North Dakota	1,400	1,580	1,810	8,901	8,908	12,392
Oregon [1]	2,300	(NA)	(NA)	207	(NA)	(NA)
South Dakota [1]	1,770	(NA)	(NA)	205	(NA)	(NA)
Texas	1,400	1,100	1,100	392	264	220
Washington	1,450	1,980	1,490	1,582	2,631	2,834
Wisconsin [1]	2,030	(NA)	(NA)	160	(NA)	(NA)
Wyoming	2,300	2,360	2,390	713	733	933
United States	1,759	1,842	1,781	30,057	28,703	35,845

(NA) Not available.
[1] Estimates discontinued in 2016.
[2] Clean basis.

Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Large lima						
California	10.7	13.7	12.5	10.5	13.7	12.4
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	(NA)	(NA)	-	(NA)	(NA)	-
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	-	(NA)	(NA)	-
North Dakota	(NA)	(NA)	-	(NA)	(NA)	-
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	0.2	(NA)	(NA)	0.2
United States	10.7	13.7	12.7	10.5	13.7	12.6
Baby lima						
California	8.9	7.9	8.6	8.9	7.8	8.6
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	(NA)	(NA)	0.6	(NA)	(NA)	0.6
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	-	(NA)	(NA)	-
North Dakota	(NA)	(NA)	-	(NA)	(NA)	-
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	0.5	(NA)	(NA)	0.5
United States	8.9	7.9	9.7	8.9	7.8	9.7
Navy						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	([1])	1.2	2.0	([1])	1.0	1.9
Michigan	80.0	67.0	74.0	79.8	66.3	73.9
Minnesota	49.5	39.5	41.4	47.1	37.5	39.5
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	1.1	1.0	(D)	1.1	0.8	(D)
North Dakota	102.0	83.0	84.0	98.5	73.0	82.0
Oregon [2]	([1])	(NA)	(NA)	([1])	(NA)	(NA)
South Dakota [2]	2.9	(NA)	(NA)	2.7	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	([1])	([1])	1.1	([1])	([1])	1.1
Wyoming	([1])	([1])	(D)	([1])	([1])	(D)
Other States	(NA)	(NA)	2.7	(NA)	(NA)	2.4
United States	235.5	191.7	205.2	229.2	178.6	200.8

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre [3]			Production [3]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Large lima						
California	2,450	2,190	2,100	257	300	260
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	(NA)	(NA)	-	(NA)	(NA)	-
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	-	(NA)	(NA)	-
North Dakota	(NA)	(NA)	-	(NA)	(NA)	-
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	2,000	(NA)	(NA)	4
United States	2,450	2,190	2,095	257	300	264
Baby lima						
California	2,500	2,680	2,210	223	209	190
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	(NA)	(NA)	2,200	(NA)	(NA)	13
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	-	(NA)	(NA)	-
North Dakota	(NA)	(NA)	-	(NA)	(NA)	-
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	2,800	(NA)	(NA)	14
United States	2,500	2,680	2,237	223	209	217
Navy						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	([1])	2,700	2,500	([1])	27	48
Michigan	2,140	1,970	2,110	1,708	1,306	1,559
Minnesota	2,300	2,240	2,070	1,083	840	818
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	2,500	2,800	(D)	28	22	(D)
North Dakota	1,720	1,810	2,010	1,694	1,321	1,648
Oregon [2]	([1])	(NA)	-	([1])	(NA)	-
South Dakota [2]	1,800	(NA)	(NA)	49	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	([1])	([1])	2,750	([1])	([1])	30
Wyoming	([1])	([1])	(D)	([1])	([1])	(D)
Other States	(NA)	(NA)	2,417	(NA)	(NA)	58
United States	1,990	1,969	2,072	4,562	3,516	4,161

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Great northern						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	0.7	(NA)	(NA)	0.7
Idaho	2.7	1.3	1.4	2.7	1.2	1.4
Michigan	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Minnesota	([1])	-	(D)	([1])	-	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	37.0	37.0	54.6	34.7	31.9	47.6
North Dakota	5.0	3.4	2.9	4.9	3.3	2.8
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	([1])	-	1.0	([1])	-	1.0
Wyoming	([1])	([1])	1.5	([1])	([1])	1.5
Other States	(NA)	(NA)	1.3	(NA)	(NA)	1.3
United States	44.7	41.7	63.4	42.3	36.4	56.3
Small white						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	2.0	([1])	1.8	2.0	([1])	1.8
Michigan	(NA)	(NA)	(D)	(NA)	(NA)	(D)
MInnesota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	(NA)	(NA)	-	(NA)	(NA)	-
Oregon [2]	1.4	(NA)	(NA)	1.4	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	1.7	([1])	(D)	1.7	([1])	(D)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	5.8	(NA)	(NA)	5.5
Unites States	5.1	([1])	7.6	5.1	([1])	7.3

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre [3]			Production [3]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Great northern						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	2,150	(NA)	(NA)	15
Idaho	2,700	2,400	2,420	73	29	34
Michigan	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Minnesota	([1])	(NA)	(D)	([1])	(NA)	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	2,200	2,340	2,520	763	746	1,200
North Dakota	1,610	2,120	2,240	79	70	63
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	([1])	-	2,510	([1])	-	25
Wyoming	([1])	([1])	2,350	([1])	([1])	35
Other States	(NA)	(NA)	2,385	(NA)	(NA)	31
United States	2,163	2,321	2,492	915	845	1,403
Small white						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	2,000	([1])	2,240	40	([1])	40
Michigan	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Minnesota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	(NA)	(NA)	-	(NA)	(NA)	-
Oregon [2]	2,430	(NA)	(NA)	34	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	2,410	([1])	(D)	41	([1])	(D)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	2,382	(NA)	(NA)	131
United States	2,255	([1])	2,342	115	([1])	171

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Pinto						
Arizona [2]	4.0	(NA)	(NA)	4.0	(NA)	(NA)
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	37.0	38.0	48.0	34.5	35.5	45.5
Idaho	19.0	17.0	32.0	19.0	16.5	31.5
Kansas [2]	6.3	(NA)	(NA)	6.2	(NA)	(NA)
Michigan	2.1	([1])	(D)	2.0	([1])	(D)
Minnesota	10.7	21.7	15.9	10.3	19.3	15.1
Montana	4.4	4.0	6.0	4.3	3.5	6.0
Nebraska	78.3	84.0	93.6	75.0	76.0	79.8
New Mexico [2]	12.9	(NA)	(NA)	12.9	(NA)	(NA)
North Dakota	369.0	424.0	468.0	360.0	383.0	457.0
Oregon [2]	([1])	(NA)	(NA)	([1])	(NA)	(NA)
South Dakota [2]	2.9	(NA)	(NA)	2.7	(NA)	(NA)
Texas	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Washington	9.0	11.0	7.8	9.0	10.2	7.7
Wyoming	25.0	22.0	31.0	24.1	20.5	29.5
Other States	(NA)	(NA)	4.1	(NA)	(NA)	4.0
United States	580.6	621.7	706.4	564.0	564.5	676.1
Light red kidney						
California	0.9	0.3	(D)	0.9	0.3	(D)
Colorado	8.0	([1])	4.0	7.5	([1])	3.5
Idaho	2.1	0.9	1.4	2.1	0.9	1.4
Michigan	9.1	8.6	6.2	8.9	8.5	6.0
Minnesota	22.8	8.3	15.8	21.9	8.2	15.3
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	17.6	4.3	10.5	12.0	2.2	8.8
New York [2]	2.3	(NA)	(NA)	2.2	(NA)	(NA)
North Dakota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Oregon [2]	0.8	(NA)	(NA)	0.8	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	3.6	([1])	1.3	3.6	([1])	1.3
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	0.7	(NA)	(NA)	0.6
United States	67.2	22.4	39.9	59.9	20.1	36.9
Dark red kidney						
California	3.0	1.5	(D)	3.0	1.2	(D)
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	1.5	0.7	2.0	1.5	0.7	1.9
Michigan	4.5	2.9	(D)	3.8	2.8	(D)
Minnesota	53.1	43.1	44.2	50.5	42.0	42.1
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
New York [2]	2.4	(NA)	(NA)	2.3	(NA)	(NA)
North Dakota	3.2	3.3	1.7	3.1	3.2	1.6
Oregon [2]	0.8	(NA)	(NA)	0.8	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	2.9	1.5	1.8	2.9	1.5	1.8
Wisconsin [2] [4]	7.9	(NA)	(NA)	7.9	(NA)	(NA)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	3.2	(NA)	(NA)	3.0
United States	79.3	53.0	52.9	75.8	51.4	50.4

See footnote(s) at end of table.

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Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre [3]			Production [3]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Pinto						
Arizona [2]	2,100	(NA)	(NA)	84	(NA)	(NA)
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	1,830	1,700	1,900	631	604	865
Idaho	2,640	2,400	2,610	502	396	822
Kansas [2]	2,500	(NA)	(NA)	155	(NA)	(NA)
Michigan	1,580	([1])	(D)	32	([1])	(D)
Minnesota	1,700	1,640	1,910	175	317	288
Montana	2,000	2,300	2,500	86	81	150
Nebraska	2,430	2,220	2,650	1,823	1,687	2,115
New Mexico [2]	2,050	(NA)	(NA)	264	(NA)	(NA)
North Dakota	1,370	1,500	1,840	4,932	5,745	8,409
Oregon [2]	([1])	(NA)	(NA)	([1])	(NA)	(NA)
South Dakota [2]	1,900	(NA)	(NA)	51	(NA)	(NA)
Texas	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Washington	2,500	3,200	2,500	225	326	193
Wyoming	2,250	2,350	2,430	542	482	717
Other States	(NA)	(NA)	1,450	(NA)	(NA)	58
United States	1,685	1,707	2,014	9,502	9,638	13,617
Light red kidney						
California	1,890	3,330	(D)	17	10	(D)
Colorado	1,790	([1])	2,800	134	([1])	98
Idaho	2,100	2,400	1,930	44	22	27
Michigan	1,800	1,760	1,490	160	150	89
Minnesota	2,000	2,800	3,040	438	230	465
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	2,480	2,280	2,000	298	50	176
New York [2]	1,360	(NA)	(NA)	30	(NA)	(NA)
North Dakota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Oregon [2]	2,500	(NA)	(NA)	20	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	2,310	([1])	2,540	83	([1])	33
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	1,833	(NA)	(NA)	11
United States	2,043	2,299	2,436	1,224	462	899
Dark red kidney						
California	1,970	1,080	(D)	59	13	(D)
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	2,330	2,400	2,440	35	17	46
Michigan	1,340	1,070	(D)	51	30	(D)
Minnesota	2,160	2,360	2,240	1,091	991	943
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
New York [2]	1,890	(NA)	(NA)	43	(NA)	(NA)
North Dakota	1,680	1,150	1,430	52	37	23
Oregon [2]	2,380	(NA)	(NA)	19	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	2,210	2,500	2,520	64	38	45
Wisconsin [2] [4]	2,020	(NA)	(NA)	160	(NA)	(NA)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	1,400	(NA)	(NA)	42
United States	2,077	2,191	2,181	1,574	1,126	1,099

See footnote(s) at end of table.

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Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Pink						
California	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	5.0	8.0	7.5	5.0	7.7	7.3
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	4.1	([1])	(D)	4.0	([1])	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	-	(NA)	(NA)	-
North Dakota	9.9	8.1	2.7	9.6	7.3	2.6
Oregon [2]	-	(NA)	(NA)	-	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	0.5	([1])	1.1	0.5	([1])	1.1
Wyoming	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Other States	(NA)	(NA)	3.6	(NA)	(NA)	3.5
United States	19.5	16.1	14.9	19.1	15.0	14.5
Small red						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	1.5	(NA)	(NA)	1.4
Idaho	12.0	7.5	5.5	12.0	7.2	5.3
Michigan	27.8	19.1	5.5	27.3	19.0	5.3
Minnesota	([1])	-	(D)	([1])	-	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	7.3	3.2	4.4	7.0	3.1	4.2
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	6.6	4.0	2.0	6.6	3.7	2.0
Wyoming	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Other States	(NA)	(NA)	1.9	(NA)	(NA)	1.9
United States	53.7	33.8	20.8	52.9	33.0	20.1
Cranberry						
California	0.4	0.3	0.4	0.4	0.3	0.4
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	([1])	-	1.0	([1])	-	1.0
Michigan	6.1	2.6	3.8	5.9	2.6	3.7
Minnesota	([1])	(NA)	(D)	([1])	(NA)	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	(NA)	(NA)	3.2	(NA)	(NA)	3.1
Oregon [2]	([1])	(NA)	-	([1])	(NA)	-
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	1.7	0.7	1.1	1.7	0.7	1.1
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	2.1	(NA)	(NA)	2.0
United States	8.2	3.6	11.6	8.0	3.6	11.3

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre [3]			Production [3]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Pink						
California	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	2,440	2,700	2,690	122	208	196
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	1,820	([1])	(D)	73	([1])	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	-	(NA)	(NA)	-
North Dakota	1,380	1,350	1,610	132	99	42
Oregon [1]	-	(NA)	(NA)	-	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	2,600	([1])	2,410	13	([1])	27
Wyoming	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Other States	(NA)	(NA)	1,886	(NA)	(NA)	66
United States	1,780	2,047	2,283	340	307	331
Small red						
California	(NA)	(NA)	-	(NA)	(NA)	-
Colorado	(NA)	(NA)	2,500	(NA)	(NA)	35
Idaho	2,330	2,400	2,480	280	173	131
Michigan	2,020	1,830	1,700	551	348	90
Minnesota	([1])	-	(D)	([1])	-	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	1,760	1,300	2,160	123	40	91
Texas	(NA)	-	-	(NA)	-	-
Washington	2,300	2,600	2,490	152	96	50
Wyoming	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Other States	(NA)	(NA)	2,158	(NA)	(NA)	41
United States	2,091	1,991	2,179	1,106	657	438
Cranberry						
California	1,750	2,000	1,200	7	6	5
Colorado	(NA)	(NA)	-	(NA)	(NA)	-
Idaho	([1])	-	1,760	([1])	-	18
Michigan	1,710	1,580	1,580	101	41	58
Minnesota	([1])	-	(D)	([1])	-	(D)
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	(NA)	(NA)	1,560	(NA)	(NA)	48
Oregon [2]	([1])	(NA)	(NA)	([1])	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	2,290	2,600	2,230	39	18	25
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	1,600	(NA)	(NA)	32
United States	1,838	1,806	1,646	147	65	186

See footnote(s) at end of table.

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Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Black						
California	(NA)	(NA)	0.2	(NA)	(NA)	0.2
Colorado	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Idaho	2.8	3.5	4.1	2.8	3.3	4.0
Michigan	140.0	104.0	121.0	139.0	103.0	120.4
Minnesota	34.3	29.6	40.5	33.0	28.6	39.1
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	3.8	6.1	(D)	3.6	5.8	(D)
New York [2]	2.0	(NA)	(NA)	2.0	(NA)	(NA)
North Dakota	142.0	83.0	89.0	135.8	76.0	85.0
Oregon [2]	1.1	(NA)	(NA)	1.1	(NA)	(NA)
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	6.2	4.0	2.9	6.2	3.8	2.8
Wyoming	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Other States	(NA)	(NA)	9.5	(NA)	(NA)	8.4
United States	332.2	230.2	267.2	323.5	220.5	259.9
Blackeye						
Arizona [2]	([1])	(NA)	(NA)	([1])	(NA)	(NA)
California	8.2	12.5	8.6	8.2	12.3	8.5
Colorado	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Idaho	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	(NA)	(NA)	-	(NA)	(NA)	-
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Texas	29.0	25.0	18.0	27.0	23.0	17.0
Washington	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Wyoming	(NA)	(NA)	-	(NA)	(NA)	-
Other States	(NA)	(NA)	3.7	(NA)	(NA)	3.3
United States	37.2	37.5	30.3	35.2	35.3	28.8
Small chickpeas [5]						
California	-	-	-	-	-	-
Colorado	-	-	-	-	-	-
Idaho	32.0	39.0	46.0	32.0	38.8	45.8
Michigan	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-
Montana	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	-	(D)	(D)	-	(D)	(D)
North Dakota	5.0	3.8	13.2	4.8	3.7	13.0
Oregon [2]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
South Dakota [2]	-	(NA)	(NA)	-	(NA)	(NA)
Texas	-	-	-	-	-	-
Washington	20.0	29.0	52.0	20.0	28.9	51.8
Wyoming	-	-	-	-	-	-
Other States [6]	15.2	42.0	68.3	14.9	39.4	64.2
United States	72.2	113.8	179.5	71.7	110.8	174.8

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre [3]			Production [3]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Black						
California	(NA)	(NA)	2,400	(NA)	(NA)	5
Colorado	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Idaho	2,540	2,700	2,700	71	89	108
Michigan	2,050	1,970	2,040	2,850	2,029	2,456
Minnesota	2,200	2,470	2,110	726	706	825
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	2,750	2,570	(D)	99	149	(D)
New York [2]	1,330	(NA)	-	27	(NA)	-
North Dakota	1,210	1,700	1,700	1,643	1,292	1,445
Oregon [2]	2,220	(NA)	-	24	(NA)	-
Texas	(NA)	(NA)	-	(NA)	(NA)	-
Washington	2,400	2,500	2,950	149	95	83
Wyoming	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Other States	(NA)	(NA)	2,357	(NA)	(NA)	198
United States	1,728	1,977	1,970	5,589	4,360	5,120
Blackeye						
Arizona [2]	([1])	(NA)	(NA)	([1])	(NA)	(NA)
California	2,280	2,590	2,120	187	319	180
Colorado	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Idaho	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Michigan	(NA)	(NA)	-	(NA)	(NA)	-
Minnesota	(NA)	(NA)	-	(NA)	(NA)	-
Montana	(NA)	(NA)	-	(NA)	(NA)	-
Nebraska	(NA)	(NA)	(D)	(NA)	(NA)	(D)
North Dakota	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Texas	1,400	1,100	1,100	378	253	187
Washington	(NA)	(NA)	(D)	(NA)	(NA)	(D)
Wyoming	-	(NA)	-	-	(NA)	-
Other States	(NA)	(NA)	2,121	(NA)	(NA)	70
United States	1,605	1,620	1,517	565	572	437
Small chickpeas [5]						
California	-	-	-	-	-	-
Colorado	-	-	-	-	-	-
Idaho	1,400	1,700	1,240	448	660	568
Michigan	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-
Montana	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	-	(D)	(D)	-	(D)	(D)
North Dakota	1,600	1,800	1,200	77	67	156
Oregon [2]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
South Dakota [2]	-	(NA)	(NA)	-	(NA)	(NA)
Texas	-	-	-	-	-	-
Washington	1,080	2,000	1,330	216	578	689
Wyoming	-	-	-	-	-	-
Other States [6]	1,107	1,607	852	165	633	547
United States	1,264	1,749	1,121	906	1,938	1,960

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Large chickpeas [7]						
California	7.7	10.2	13.7	7.5	10.0	13.6
Colorado	-	-	(D)	-	-	(D)
Idaho	38.0	53.0	71.0	37.0	52.1	70.5
Michigan	-	-	-	-	-	-
Minnesota	-	-	(D)	-	-	(D)
Montana	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	0.2	(D)	(D)	0.2	(D)	(D)
North Dakota	2.4	9.4	30.6	2.3	9.3	28.7
Oregon [2]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
South Dakota [2]	3.2	(NA)	(NA)	2.9	(NA)	(NA)
Texas	-	-	-	-	-	-
Washington	55.0	79.0	115.0	54.0	78.5	114.5
Wyoming	-	-	(D)	-	-	(D)
Other States [6]	28.8	59.9	209.0	26.7	59.3	197.2
United States	135.3	211.5	439.3	130.6	209.2	424.5
All chickpeas (Garbanzo)						
California	7.7	10.2	13.7	7.5	10.0	13.6
Colorado	-	-	(D)	-	-	(D)
Idaho	70.0	92.0	117.0	69.0	90.9	116.3
Michigan	-	-	-	-	-	-
Minnesota	-	-	(D)	-	-	(D)
Montana	43.0	99.0	269.0	40.6	96.0	254.0
Nebraska	0.2	2.9	(D)	0.2	2.7	(D)
North Dakota	7.4	13.2	43.8	7.1	13.0	41.7
Oregon [2]	1.0	(NA)	(NA)	1.0	(NA)	(NA)
South Dakota [2]	3.2	(NA)	(NA)	2.9	(NA)	(NA)
Texas	-	-	-	-	-	-
Washington	75.0	108.0	167.0	74.0	107.4	166.3
Wyoming	-	-	(D)	-	-	(D)
Other States [6]	-	-	8.3	-	-	7.4
United States	207.5	325.3	618.8	202.3	320.0	599.3

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre [3]			Production [3]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Large chickpeas [7]						
California	2,490	2,120	2,130	187	212	290
Colorado	-	-	(D)	-	-	(D)
Idaho	1,220	1,600	1,040	451	834	733
Michigan	-	-	-	-	-	-
Minnesota	-	-	(D)	-	-	(D)
Montana	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	870	(D)	(D)	2	(D)	(D)
North Dakota	700	2,000	1,310	16	186	376
Oregon [2]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
South Dakota [2]	1,600	(NA)	(NA)	46	(NA)	(NA)
Texas	-	-	-	-	-	-
Washington	1,000	1,700	1,350	540	1,335	1,546
Wyoming	-	-	(D)	-	-	(D)
Other States [6]	1,367	1,589	1,014	365	942	2,000
United States	1,230	1,677	1,165	1,607	3,509	4,945
All chickpeas (Garbanzo)						
California	2,490	2,120	2,130	187	212	290
Colorado	-	-	(D)	-	-	(D)
Idaho	1,300	1,640	1,120	899	1,494	1,301
Michigan	-	-	-	-	-	-
Minnesota	-	-	(D)	-	-	(D)
Montana	1,270	1,600	960	517	1,532	2,444
Nebraska	870	1,590	(D)	2	43	(D)
North Dakota	1,310	1,950	1,280	93	253	532
Oregon [2]	1,300	(NA)	(NA)	13	(NA)	(NA)
South Dakota [2]	1,590	(NA)	(NA)	46	(NA)	(NA)
Texas	-	-	-	-	-	-
Washington	1,020	1,780	1,340	756	1,913	2,235
Wyoming	-	-	(D)	-	-	(D)
Other States [6]	-	-	1,392	-	-	103
United States	1,242	1,702	1,152	2,513	5,447	6,905

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Other						
Arizona [2]	5.4	(NA)	(NA)	5.4	(NA)	(NA)
California	5.2	3.6	5.0	5.1	3.4	5.0
Colorado	5.0	8.0	(D)	4.5	7.0	(D)
Idaho	2.9	7.9	3.5	2.9	7.6	3.4
Kansas [2]	1.7	(NA)	(NA)	1.6	(NA)	(NA)
Michigan	5.4	5.8	3.7	5.3	5.8	3.7
Minnesota	15.5	12.8	3.9	15.2	11.4	3.8
Montana	1.6	-	-	1.6	-	-
Nebraska	2.0	2.7	(D)	1.9	2.6	(D)
New York [2]	1.3	(NA)	(NA)	1.3	(NA)	(NA)
North Dakota	9.2	3.8	(D)	9.0	3.1	(D)
Oregon [2]	3.9	(NA)	(NA)	3.9	(NA)	(NA)
South Dakota [2]	3.5	(NA)	(NA)	3.3	(NA)	(NA)
Texas	2.0	2.0	(D)	1.0	1.0	(D)
Washington	2.8	5.8	2.0	2.8	5.7	1.9
Wisconsin [2]	-	(NA)	(NA)	-	(NA)	(NA)
Wyoming	7.0	11.0	3.5	6.9	10.6	3.2
Other States	(NA)	(NA)	9.0	(NA)	(NA)	7.7
United States	74.4	63.4	30.6	71.7	58.2	28.7
All dry edible beans						
United States	1,764.7	1,662.0	2,092.0	1,708.4	1,558.1	2,012.7

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2015-2017 (continued)

Class and State	Yield per acre [3]			Production [3]		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Other						
Arizona [2]	2,040	(NA)	(NA)	110	(NA)	(NA)
California	1,800	2,120	2,000	92	72	100
Colorado	1,800	1,970	(D)	81	138	(D)
Idaho	2,590	2,220	2,530	75	169	86
Kansas [2]	2,500	(NA)	(NA)	40	(NA)	(NA)
Michigan	1,510	1,690	1,430	80	98	53
Minnesota	2,040	1,710	1,990	310	195	76
Montana	1,310	-	-	21	-	-
Nebraska	2,320	2,650	(D)	44	69	(D)
New York [2]	1,380	(NA)	(NA)	18	(NA)	(NA)
North Dakota	1,700	1,650	(D)	153	51	(D)
Oregon [2]	2,490	(NA)	(NA)	97	(NA)	(NA)
South Dakota [2]	1,790	(NA)	(NA)	59	(NA)	(NA)
Texas	1,400	1,100	(D)	14	11	(D)
Washington	2,140	2,540	2,320	60	145	44
Wisconsin [2]	-	(NA)	(NA)	-	(NA)	(NA)
Wyoming	2,480	2,370	2,600	171	251	83
Other States	(NA)	(NA)	2,013	(NA)	(NA)	155
United States	1,987	2,060	2,080	1,425	1,199	597
All dry edible beans						
United States	1,759	1,842	1,781	30,057	28,703	35,845

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Data are included in "Other" class to avoid disclosing data for individual operations.
[2] Estimates discontinued in 2016.
[3] Clean basis.
[4] Includes light red kidney to avoid disclosure of individual operations.
[5] Chickpeas (or Garbanzo beans) smaller than 20/64 inches.
[6] Includes data withheld above.
[7] Chickpeas (or Garbanzo beans) larger than 20/64 inches.

Lentil Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	33.0	38.0	36.0	32.0	37.0	35.0
Montana	235.0	520.0	730.0	222.0	505.0	670.0
North Dakota	165.0	305.0	270.0	162.0	294.0	250.0
Washington	60.0	70.0	68.0	59.0	69.0	67.0
United States	493.0	933.0	1,104.0	475.0	905.0	1,022.0

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	800	1,550	900	256	574	315
Montana	1,100	1,460	650	2,442	7,373	4,355
North Dakota	1,310	1,320	870	2,122	3,881	2,175
Washington	750	1,400	950	443	966	637
United States	1,108	1,414	732	5,263	12,794	7,482

Wrinkled Seed Pea Production – States and United States: 2015-2017

State	Production		
	2015	2016	2017
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	154	157	108
Washington	230	282	249
United States	384	439	357

Dry Edible Pea Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

[Excludes both wrinkled seed peas and Austrian winter peas]

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	51.0	30.0	14.0	50.0	29.0	13.0
Montana	595.0	610.0	525.0	550.0	580.0	470.0
Nebraska [1]	(NA)	55.0	58.0	(NA)	52.0	56.0
North Dakota	385.0	560.0	425.0	375.0	545.0	410.0
Oregon	7.0	6.0	7.0	6.5	5.8	6.5
South Dakota [1]	(NA)	32.0	38.0	(NA)	30.0	35.0
Washington	105.0	90.0	61.0	102.0	89.0	60.0
United States	1,143.0	1,383.0	1,128.0	1,083.5	1,330.8	1,050.5

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	1,400	2,500	1,800	700	725	234
Montana	1,450	1,950	820	7,975	11,310	3,854
Nebraska [1]	(NA)	1,340	1,420	(NA)	697	795
North Dakota	2,150	2,250	1,800	8,063	12,263	7,380
Oregon	1,800	2,600	2,900	117	151	189
South Dakota [1]	(NA)	1,600	1,500	(NA)	480	525
Washington	1,400	2,400	2,000	1,428	2,136	1,200
United States	1,687	2,086	1,350	18,283	27,762	14,177

(NA) Not available.

[1] Estimates began in 2016.

Austrian Winter Pea Area Planted and Harvested, Yield, and Production – States and United States: 2015-2017

State	Area planted			Area harvested		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	13.0	17.0	4.0	11.0	16.0	3.4
Montana	15.0	15.0	20.0	5.0	7.0	4.0
Oregon	6.0	5.0	2.5	5.0	4.0	2.0
United States	34.0	37.0	26.5	21.0	27.0	9.4

State	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	1,200	1,800	1,600	132	288	54
Montana	1,050	1,300	630	53	91	25
Oregon	1,500	2,000	2,300	75	80	46
United States	1,238	1,700	1,330	260	459	125

Hop Area Harvested, Yield, and Production by Variety – States and United States: 2015-2017

State and variety	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Idaho						
Amarillo	(D)	(D)	983	(D)	(D)	1,569
Apollo [R]	286	235	228	2,062	1,893	1,798
Bravo [R]	166	151	149	2,625	2,359	2,799
Calypso	81	81	81	1,710	1,937	2,159
Cascade	770	788	882	1,633	1,585	1,771
Centennial	(D)	(D)	225	(D)	(D)	2,028
Chinook	358	418	669	1,850	1,712	1,665
Citra [TM]	412	576	759	1,271	1,213	1,657
Crystal	(D)	123	182	(D)	1,678	2,084
El Dorado [R]	205	227	219	1,125	1,658	2,163
Mosaic [TM]	272	496	500	2,278	2,204	2,581
Simcoe [R]	199	232	394	1,576	1,335	1,494
Super Galena [R]	92	69	(D)	2,189	1,872	(D)
Willamette	(D)	(D)	128	(D)	(D)	1,689
Zeus	661	580	1,011	2,909	2,761	2,756
Experimental	72	9	26	1,269	1,000	611
Other Varieties [1]	1,289	1,663	557	1,348	1,174	1,929
Total	4,863	5,648	6,993	1,794	1,646	1,968
Oregon						
Cascade	1,085	1,211	1,167	1,994	1,597	1,425
Centennial	631	723	739	1,352	1,235	1,273
Chinook	129	107	124	1,860	1,675	1,667
Citra [TM]	246	654	716	980	1,047	1,475
Crystal	377	423	382	2,011	2,216	1,772
Fuggle	85	141	86	1,066	1,021	1,251
Golding	238	(D)	215	837	(D)	1,181
Liberty	210	(D)	(D)	1,360	(D)	(D)
Magnum	199	151	47	1,572	1,493	1,714
Mosaic [TM]	(D)	(D)	337	(D)	(D)	1,875
Mt. Hood	288	324	318	1,276	1,463	1,439
Nugget	1,484	1,460	1,367	1,888	1,925	1,820
Perle	(D)	(D)	76	(D)	(D)	1,164
Simcoe [R]	191	330	461	1,678	1,969	1,421
Sterling	209	228	227	1,344	1,626	1,407
Super Galena [R]	82	(D)	67	2,340	(D)	2,096
Tettnanger	133	122	72	1,242	1,193	1,013
Willamette	661	833	832	1,226	1,573	1,324
Other varieties [1]	364	1,058	618	1,609	1,546	1,573
Total	6,612	7,765	7,851	1,613	1,596	1,517

See footnote(s) at end of table.

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Hop Area Harvested, Yield, and Production by Variety – States and United States: 2015-2017 (continued)

State and variety	Production		
	2015	2016	2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Idaho			
Amarillo	(D)	(D)	1,542.3
Apollo [R]	589.6	444.9	409.9
Bravo [R]	435.7	356.2	417.1
Calypso	138.5	156.9	174.9
Cascade	1,257.8	1,248.9	1,562.0
Centennial	(D)	(D)	456.3
Chinook	662.2	715.5	1,113.9
Citra [TM]	523.7	698.5	1,257.7
Crystal	(D)	206.4	379.3
El Dorado [R]	230.6	376.3	473.7
Mosaic [TM]	619.7	1,093.4	1,290.5
Simcoe [R]	313.6	309.8	588.6
Super Galena [R]	201.4	129.2	(D)
Willamette	(D)	(D)	216.2
Zeus	1,922.8	1,601.1	2,786.3
Experimental	91.4	9.0	15.9
Other Varieties [1]	1,737.9	1,951.6	1,074.6
Total	8,724.9	9,297.7	13,759.2
Oregon			
Cascade	2,163.0	1,934.5	1,663.0
Centennial	853.3	893.2	940.7
Chinook	240.0	179.2	206.7
Citra [TM]	241.0	684.7	1,056.1
Crystal	758.1	937.2	676.9
Fuggle	90.6	143.9	107.6
Golding	199.3	(D)	253.9
Liberty	285.6	(D)	(D)
Magnum	312.9	225.5	80.6
Mosaic [TM]	(D)	(D)	631.9
Mt. Hood	367.6	473.9	457.6
Nugget	2,802.1	2,810.9	2,487.9
Perle	(D)	(D)	88.5
Simco [R]	320.5	649.9	655.1
Sterling	280.8	370.8	319.4
Super Galena [R]	191.9	(D)	140.4
Tettnanger	165.2	145.6	72.9
Willamette	810.3	1,310.0	1,101.6
Other varieties [1]	585.6	1,636.0	972.4
Total	10,667.8	12,395.3	11,913.2

See footnote(s) at end of table.

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Hop Area Harvested, Yield, and Production by Variety – States and United States: 2015-2017 (continued)

State and variety	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Washington						
ADHA-483 Azacca ™	175	506	578	1,872	1,870	2,463
ADHA-881 Jarrylo ™	122	131	(D)	1,541	1,408	(D)
Ahtanum ™	145	155	371	1,557	1,012	1,052
Amarillo	(D)	(D)	1,984	(D)	(D)	1,687
Apollo ®	708	735	684	2,738	2,225	2,729
Bravo ®	569	573	486	2,824	2,671	2,973
Cascade	4,935	5,582	4,896	1,936	1,727	2,124
Centennial	3,770	4,359	4,305	1,145	1,355	1,703
Chinook	1,300	1,415	1,632	1,793	1,420	1,784
Citra ™	2,335	3,264	3,645	1,541	1,543	1,748
Cluster	666	623	621	1,705	1,700	1,937
Columbus/Tomahawk ®	1,673	1,416	1,659	2,524	1,969	2,646
Comet	108	163	205	1,780	949	1,855
Crystal	131	191	122	1,183	1,475	2,063
El Dorado ®	243	396	463	2,154	1,904	1,946
Equinox	(D)	(D)	890	(D)	(D)	2,740
Eureka	(D)	(D)	362	(D)	(D)	2,244
Galena	295	262	378	1,968	1,692	2,134
Glacier	155	145	(D)	996	1,168	(D)
Golding	53	(D)	(D)	854	(D)	(D)
Loral HBC	(D)	(D)	186	(D)	(D)	2,295
Magnum	108	(D)	(D)	1,255	(D)	(D)
Mosaic ™	1,528	2,029	1,877	2,036	2,326	2,439
Mt. Hood	130	88	87	1,069	1,075	1,043
Northern Brewer	123	(D)	(D)	991	(D)	(D)
Nugget	202	186	125	1,927	1,774	1,950
Simcoe ®	2,916	3,769	3,753	1,540	1,673	1,792
Summit ™	1,620	1,769	1,617	1,969	1,648	2,067
Super Galena ®	351	310	435	2,729	2,501	2,647
Tahoma	(D)	(D)	217	(D)	(D)	1,752
Tettnanger	(D)	(D)	38	(D)	(D)	1,202
Vanguard	84	(D)	(D)	1,223	(D)	(D)
Willamette	698	728	571	1,007	1,277	1,446
YCR-4(Palisade ®)	454	580	571	1,950	2,228	2,209
Zeus	2,989	2,502	2,214	2,819	2,469	3,088
Experimental	316	567	421	1,546	1,592	1,901
Other varieties [1]	3,256	5,000	3,045	1,603	1,662	1,746
Total	32,158	37,444	38,438	1,849	1,748	2,047
United States [2]	43,633	50,857	53,282	1,807	1,713	1,959

See footnote(s) at end of table.

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Hop Area Harvested, Yield, and Production by Variety – States and United States: 2015-2017 (continued)

State and variety	Production		
	2015	2016	2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Washington			
ADHA-483 Azacca ™	327.6	946.4	1,423.6
ADHA-881 Jarrylo ™	188.0	184.4	(D)
Ahtanum ™	225.8	156.9	390.3
Amarillo	(D)	(D)	3,347.0
Apollo ®	1,938.6	1,635.6	1,866.6
Bravo ®	1,606.7	1,530.5	1,444.9
Cascade	9,553.3	9,638.8	10,399.1
Centennial	4,317.3	5,908.6	7,331.4
Chinook	2,331.1	2,008.9	2,911.5
Citra ™	3,597.2	5,035.0	6,371.5
Cluster	1,135.7	1,058.8	1,202.9
Columbus/Tomahawk ®	4,223.4	2,787.9	4,389.7
Comet	192.2	154.7	380.3
Crystal	155.0	281.7	251.7
El Dorado ®	523.5	754.0	901.0
Equinox	(D)	(D)	2,438.6
Eureka	(D)	(D)	812.3
Galena	580.6	443.3	806.7
Glacier	154.4	169.3	(D)
Golding	45.3	(D)	(D)
Loral HBC	(D)	(D)	426.9
Magnum	135.5	(D)	(D)
Mosaic ™	3,111.6	4,720.4	4,578.0
Mt. Hood	139.0	94.6	90.7
Northern Brewer	121.9	(D)	(D)
Nugget	389.2	330.0	243.8
Simcoe ®	4,489.5	6,305.1	6,725.4
Summit ™	3,189.6	2,914.5	3,342.3
Super Galena ®	957.8	775.3	1,151.4
Tahoma	(D)	(D)	380.2
Tettnanger	(D)	(D)	45.7
Vanguard	102.7	(D)	(D)
Willamette	703.1	929.3	825.7
YCR-4(Palisade ®)	885.2	1,292.5	1,261.3
Zeus	8,426.3	6,178.5	6,836.8
Experimental	488.4	902.7	800.3
Other varieties [1]	5,217.8	8,308.9	5,316.0
Total	59,453.3	65,446.6	78,693.6
United States [2]	78,846.0	87,139.6	104,366.0

(D) Withheld to avoid disclosing data for individual operations.
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[1] Includes data withheld to avoid disclosure of individual operations and varieties not listed.
[2] Includes 315 acres of organics for 2017 with yield equal to 1,239 pounds per acre and production at 390,400 pounds.

Mint for Oil Area Harvested, Yield, and Production by Crop – States and United States: 2015-2017

Crop and State	Area harvested			Yield per acre		
	2015	2016	2017	2015	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)
Peppermint						
California	2.0	2.0	2.0	81	86	82
Idaho	15.2	15.4	16.0	105	110	105
Indiana	10.0	9.8	6.7	40	50	45
Michigan [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Oregon	21.0	19.5	21.0	95	85	95
Washington	14.0	13.8	12.0	110	110	120
Wisconsin	(D)	3.1	2.7	(D)	59	73
Other States [2]	3.1	-	-	63	-	-
United States	65.3	63.6	60.4	90	90	96
Spearmint						
Idaho	1.3	(D)	(D)	145	(D)	(D)
Indiana	3.5	3.3	3.1	54	80	54
Michigan	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	2.5	2.5	2.5	135	125	105
Washington	16.5	15.8	14.0	126	147	150
Native	9.5	9.3	8.0	145	165	165
Scotch	7.0	6.5	6.0	100	120	130
Wisconsin [1]	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States [2]	2.0	2.9	2.7	68	109	99
United States	25.8	24.5	22.3	114	131	125

State	Production		
	2015	2016	2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Peppermint			
California	162	172	164
Idaho	1,596	1,694	1,680
Indiana	400	490	302
Michigan [1]	(D)	(NA)	(NA)
Oregon	1,995	1,658	1,995
Washington	1,540	1,518	1,440
Wisconsin	(D)	183	197
Other States [2]	195	-	-
United States	5,888	5,715	5,778
Spearmint			
Idaho	189	(D)	(D)
Indiana	189	264	167
Michigan	(D)	(D)	(D)
Oregon	338	313	263
Washington	2,078	2,315	2,100
Native	1,378	1,535	1,320
Scotch	700	780	780
Wisconsin [1]	(D)	(NA)	(NA)
Other States [2]	136	316	266
United States	2,930	3,208	2,796

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Estimates discontinued in 2016.
[2] Includes data withheld above.

Maple Syrup Taps, Yield, and Production – States and United States: 2015-2017

[Estimates for 2017 are carried forward from the June 2017 *Crop Production*. Any revisions will appear in the June 2018 *Crop Production*]

State	Number of taps			Yield per tap			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	(1,000 taps)	(1,000 taps)	(1,000 taps)	(gallons)	(gallons)	(gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Connecticut	85	85	86	0.224	0.224	0.233	19	19	20
Indiana [1]	(NA)	60	62	(NA)	0.200	0.194	(NA)	12	12
Maine	1,850	1,860	1,890	0.299	0.363	0.375	553	675	709
Massachusetts	310	315	320	0.242	0.244	0.263	75	77	84
Michigan	470	400	440	0.270	0.225	0.250	127	90	110
Minnesota [1]	(NA)	76	77	(NA)	0.184	0.182	(NA)	14	14
New Hampshire	560	545	550	0.275	0.310	0.280	154	169	154
New York	2,310	2,515	2,650	0.260	0.281	0.287	601	707	760
Ohio	440	370	400	0.261	0.189	0.200	115	70	80
Pennsylvania	620	660	660	0.266	0.217	0.211	165	143	139
Vermont	4,550	4,850	5,410	0.310	0.410	0.366	1,410	1,990	1,980
West Virginia [1]	(NA)	51	61	(NA)	0.118	0.148	(NA)	6	9
Wisconsin	760	765	735	0.283	0.307	0.272	215	235	200
United States	11,955	12,552	13,341	0.287	0.335	0.320	3,434	4,207	4,271

(NA) Not available.
[1] Estimates began in 2016.

Taro Area Harvested, Yield, and Production – Hawaii: 2015-2017

State	Area harvested			Yield per acre			Production		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii	340	310	350	10,300	11,300	10,530	3,502	3,503	3,686

Alaska Area Planted and Harvested, Yield, and Production: 2015-2017

[Estimates are provided to meet special needs of crop and livestock production statistics users. Estimates are excluded from commodity data tables]

Crop	Area planted for all purposes			Area harvested		
	2015	2016	2017	2015	2016	2017
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Barley	4,600	5,000	5,500	4,300	4,700	5,200
Hay, all	(NA)	(NA)	(NA)	18,000	22,000	21,000
Oats	1,800	2,000	1,700	1,000	1,200	900
Potatoes	560	500	450	540	490	430

Crop	Yield per acre			Production		
	2015	2016	2017	2015	2016	2017
Barley bushels	34.0	49.0	46.0	146,000	230,000	239,000
Hay, all tons	1.10	1.35	1.20	20,000	30,000	25,000
Oats bushels	47.0	62.0	73.0	47,000	74,000	66,000
Potatoes cwt	260	300	280	140,000	147,000	120,000

(NA) Not available.

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]

Crop	Area planted		Area harvested	
	2016	2017	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Grains and hay				
Barley	3,059	2,481	2,565	1,954
Corn for grain [1]	94,004	90,167	86,748	82,703
Corn for silage	(NA)	(NA)	6,186	6,434
Hay, all	(NA)	(NA)	53,481	53,784
Alfalfa	(NA)	(NA)	16,885	16,563
All other	(NA)	(NA)	36,596	37,221
Oats	2,829	2,588	981	801
Proso millet	443	478	413	404
Rice	3,150	2,463	3,097	2,374
Rye	1,891	1,961	414	286
Sorghum for grain [1]	6,690	5,626	6,163	5,045
Sorghum for silage	(NA)	(NA)	298	284
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
Oilseeds				
Canola	1,714.0	2,077.0	1,691.7	2,002.0
Cottonseed	(X)	(X)	(X)	(X)
Flaxseed	374	303	366	272
Mustard seed	103.1	103.0	98.2	95.4
Peanuts	1,671.0	1,870.6	1,536.0	1,775.6
Rapeseed	11.0	10.1	10.5	9.7
Safflower	161.1	162.0	152.7	143.2
Soybeans for beans	83,433	90,142	82,696	89,522
Sunflower	1,596.6	1,403.0	1,532.0	1,344.7
Cotton, tobacco, and sugar crops				
Cotton, all	10,072.5	12,611.5	9,507.8	11,348.9
Upland	9,878.0	12,360.0	9,320.0	11,101.0
American Pima	194.5	251.5	187.8	247.9
Sugarbeets	1,163.4	1,131.2	1,126.4	1,114.1
Sugarcane	(NA)	(NA)	903.1	892.9
Tobacco	(NA)	(NA)	319.7	321.5
Dry beans, peas, and lentils				
Austrian winter peas	37.0	26.5	27.0	9.4
Dry edible beans	1,662.0	2,092.0	1,558.1	2,012.7
Chickpeas, all	325.3	618.8	320.0	599.3
Large	211.5	439.3	209.2	424.5
Small	113.8	179.5	110.8	174.8
Dry edible peas	1,383.0	1,128.0	1,330.8	1,050.5
Lentils	933.0	1,104.0	905.0	1,022.0
Wrinkled seed peas	(NA)	(NA)	(NA)	(NA)
Potatoes and miscellaneous				
Hops	(NA)	(NA)	50.9	53.3
Maple Syrup	(NA)	(NA)	(NA)	(NA)
Mushrooms	(NA)	(NA)	(NA)	(NA)
Peppermint oil	(NA)	(NA)	63.6	60.4
Potatoes, all	1,037.0	1,034.3	1,018.3	1,025.5
Spring	51.0	58.0	48.0	57.7
Summer	62.2	68.3	60.7	65.5
Fall	923.8	908.0	909.6	902.3
Spearmint oil	(NA)	(NA)	24.5	22.3
Sweet potatoes	168.1	161.6	163.3	159.3
Taro (Hawaii)	(NA)	(NA)	0.3	0.4

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]

Crop		Yield per acre		Production	
		2016	2017	2016	2017
				(1,000)	(1,000)
Grains and hay					
Barley	bushels	77.9	72.6	199,914	141,923
Corn for grain	bushels	174.6	176.6	15,148,038	14,604,067
Corn for silage	tons	20.3	19.9	125,670	128,356
Hay, all	tons	2.52	2.44	134,995	131,455
Alfalfa	tons	3.45	3.32	58,263	55,068
All other	tons	2.10	2.05	76,732	76,387
Oats	bushels	66.0	61.7	64,770	49,391
Proso millet	bushels	30.4	36.1	12,558	14,567
Rice [2]	cwt	7,237	7,507	224,145	178,228
Rye	bushels	32.5	33.9	13,451	9,696
Sorghum for grain	bushels	77.9	72.1	480,261	363,832
Sorghum for silage	tons	14.0	13.3	4,171	3,772
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
Oilseeds					
Canola	pounds	1,824	1,558	3,086,340	3,118,680
Cottonseed	tons	(X)	(X)	5,369.0	6,725.0
Flaxseed	bushels	23.7	14.1	8,656	3,842
Mustard seed	pounds	980	632	96,270	60,250
Peanuts	pounds	3,634	4,074	5,581,570	7,233,600
Rapeseed	pounds	1,840	2,139	19,320	20,750
Safflower	pounds	1,432	1,256	218,625	179,896
Soybeans for beans	bushels	52.0	49.1	4,296,086	4,391,553
Sunflower	pounds	1,731	1,613	2,651,635	2,168,737
Cotton, tobacco, and sugar crops					
Cotton, all [2]	bales	867	899	17,169.9	21,263.0
Upland [2]	bales	855	889	16,601.0	20,570.0
American Pima [2]	bales	1,454	1,342	568.9	693.0
Sugarbeets	tons	32.8	31.7	36,920	35,325
Sugarcane	tons	35.6	36.1	32,118	32,243
Tobacco	pounds	1,967	2,209	628,720	710,161
Dry beans, peas, and lentils					
Austrian winter peas [2]	cwt	1,700	1,330	459	125
Dry edible beans [2]	cwt	1,842	1,781	28,703	35,845
Chickpeas, all	cwt	1,702	1,152	5,447	6,905
Large	cwt	1,677	1,165	3,509	4,945
Small	cwt	1,749	1,121	1,938	1,960
Dry edible peas [2]	cwt	2,086	1,350	27,762	14,177
Lentils [2]	cwt	1,414	732	12,794	7,482
Wrinkled seed peas	cwt	(NA)	(NA)	439	357
Potatoes and miscellaneous					
Hops	pounds	1,713	1,959	87,139.6	104,366.0
Maple Syrup	gallons	(NA)	(NA)	4,207	4,271
Mushrooms	pounds	(NA)	(NA)	943,414	928,605
Peppermint oil	pounds	90	96	5,715	5,778
Potatoes, all	cwt	433	430	441,411	441,307
Spring	cwt	316	343	15,171	19,790
Summer	cwt	323	331	19,602	21,679
Fall	cwt	447	443	406,638	399,838
Spearmint oil	pounds	131	125	3,208	2,796
Sweet potatoes	cwt	193	224	31,546	35,646
Taro (Hawaii)	pounds	11,300	10,530	3,503	3,686

(NA) Not available.
(X) Not applicable.
[1] Area planted for all purposes.
[2] 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]

Crop	Area planted		Area harvested	
	2016	2017	2016	2017
	(hectares)	(hectares)	(hectares)	(hectares)
Grains and hay				
Barley	1,237,950	1,004,040	1,038,030	790,760
Corn for grain [1]	38,042,480	36,489,680	35,106,050	33,469,080
Corn for silage	(NA)	(NA)	2,503,410	2,603,780
Hay, all [2]	(NA)	(NA)	21,643,230	21,765,850
Alfalfa	(NA)	(NA)	6,833,190	6,702,880
All other	(NA)	(NA)	14,810,040	15,062,970
Oats	1,144,870	1,047,340	397,000	324,160
Proso millet	179,280	193,440	167,140	163,490
Rice	1,274,770	996,750	1,253,320	960,730
Rye	765,270	793,600	167,540	115,740
Sorghum for grain [1]	2,707,380	2,276,790	2,494,100	2,041,660
Sorghum for silage	(NA)	(NA)	120,600	114,930
Wheat, all [2]	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
Oilseeds				
Canola	693,640	840,540	684,610	810,190
Cottonseed	(X)	(X)	(X)	(X)
Flaxseed	151,350	122,620	148,120	110,080
Mustard seed	41,720	41,680	39,740	38,610
Peanuts	676,240	757,010	621,600	718,570
Rapeseed	4,450	4,090	4,250	3,930
Safflower	65,200	65,560	61,800	57,950
Soybeans for beans	33,764,500	36,479,570	33,466,240	36,228,660
Sunflower	646,130	567,780	619,990	544,190
Cotton, tobacco, and sugar crops				
Cotton, all [2]	4,076,240	5,103,750	3,847,710	4,592,790
Upland	3,997,530	5,001,970	3,771,710	4,492,460
American Pima	78,710	101,780	76,000	100,320
Sugarbeets	470,820	457,790	455,840	450,870
Sugarcane	(NA)	(NA)	365,480	361,350
Tobacco	(NA)	(NA)	129,360	130,100
Dry beans, peas, and lentils				
Austrian winter peas	14,970	10,720	10,930	3,800
Dry edible beans	672,590	846,610	630,550	814,520
Chickpeas, all [2]	131,650	250,420	129,500	242,530
Large	85,590	177,780	84,660	171,790
Small	46,050	72,640	44,840	70,740
Dry edible peas	559,690	456,490	538,560	425,130
Lentils	377,580	446,780	366,240	413,590
Wrinkled seed peas	(NA)	(NA)	(NA)	(NA)
Potatoes and miscellaneous				
Hops	(NA)	(NA)	20,580	21,560
Maple Syrup	(NA)	(NA)	(NA)	(NA)
Mushrooms	(NA)	(NA)	(NA)	(NA)
Peppermint oil	(NA)	(NA)	25,740	24,440
Potatoes, all [2]	419,660	418,570	412,100	415,010
Spring	20,640	23,470	19,430	23,350
Summer	25,170	27,640	24,560	26,510
Fall	373,850	367,460	368,110	365,150
Spearmint oil	(NA)	(NA)	9,910	9,020
Sweet potatoes	68,030	65,400	66,090	64,470
Taro (Hawaii)	(NA)	(NA)	130	140

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]

Crop	Yield per hectare		Production	
	2016	2017	2016	2017
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
Grains and hay				
Barley	4.19	3.91	4,352,610	3,090,010
Corn for grain	10.96	11.08	384,777,890	370,960,390
Corn for silage	45.54	44.72	114,005,910	116,442,600
Hay, all [2]	5.66	5.48	122,465,400	119,253,970
Alfalfa	7.74	7.45	52,855,300	49,956,850
All other	4.70	4.60	69,610,100	69,297,120
Oats	2.37	2.21	940,130	716,910
Proso millet	1.70	2.02	284,810	330,370
Rice	8.11	8.41	10,167,050	8,084,290
Rye	2.04	2.13	341,670	246,290
Sorghum for grain	4.89	4.53	12,199,190	9,241,760
Sorghum for silage	31.38	29.77	3,783,870	3,421,900
Wheat, all [2]	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
Oilseeds				
Canola	2.04	1.75	1,399,940	1,414,610
Cottonseed	(X)	(X)	4,870,670	6,100,820
Flaxseed	1.48	0.89	219,870	97,590
Mustard seed	1.10	0.71	43,670	27,330
Peanuts	4.07	4.57	2,531,760	3,281,110
Rapeseed	2.06	2.40	8,760	9,410
Safflower	1.60	1.41	99,170	81,600
Soybeans for beans	3.49	3.30	116,920,300	119,518,490
Sunflower	1.94	1.81	1,202,760	983,720
Cotton, tobacco, and sugar crops				
Cotton, all [2]	0.97	1.01	3,738,310	4,629,470
Upland	0.96	1.00	3,614,440	4,478,590
American Pima	1.63	1.50	123,860	150,880
Sugarbeets	73.48	71.08	33,493,260	32,046,300
Sugarcane	79.72	80.95	29,136,960	29,250,360
Tobacco	2.20	2.48	285,180	322,120
Dry beans, peas, and lentils				
Austrian winter peas	1.91	1.49	20,820	5,670
Dry edible beans	2.06	2.00	1,301,950	1,625,900
Chickpeas, all [2]	1.91	1.29	247,070	313,210
Large	1.88	1.31	159,170	224,300
Small	1.96	1.26	87,910	88,900
Dry edible peas	2.34	1.51	1,259,260	643,060
Lentils	1.58	0.82	580,330	339,380
Wrinkled seed peas	(NA)	(NA)	19,910	16,190
Potatoes and miscellaneous				
Hops	1.92	2.20	39,530	47,340
Maple syrup	(NA)	(NA)	21,040	21,360
Mushrooms	(NA)	(NA)	427,930	421,210
Peppermint oil	0.10	0.11	2,590	2,620
Potatoes, all [2]	48.59	48.23	20,022,070	20,017,350
Spring	35.43	38.44	688,150	897,660
Summer	36.20	37.10	889,130	983,340
Fall	50.11	49.67	18,444,790	18,136,350
Spearmint oil	0.15	0.14	1,460	1,270
Sweet potatoes	21.65	25.08	1,430,900	1,616,880
Taro (Hawaii)	12.67	11.80	1,590	1,670

(NA) Not available.
(X) Not applicable.
[1] Area planted for all purposes.
[2] Total may not add due to rounding.

2017 Annual Weather Summary

Highlights: An extremely active Atlantic hurricane season brought an unprecedented three Category 4 storms in less than a month to various parts of the country. Prior to 2017, the last major (Category 3 or higher) hurricane to strike the United States was Wilma in southern Florida on October 24, 2005. Hurricanes Harvey and Irma caused great devastation in Texas (starting August 25) and Florida (starting September 10), respectively. Harvey's damage was mostly caused by epic flooding from Houston to Beaumont-Port Arthur, Texas, and all areas in between, and well as southwestern Louisiana. However, high winds from Harvey battered the central Texas coast, damaging cotton and farm infrastructure. Other agricultural damage related to Harvey included drowned livestock and submerged rice fields. Little more than 2 weeks later, on September 10, Irma struck the Florida Keys before reaching the mainland near Marco Island. High winds and heavy rain spread northward throughout Florida's peninsula and into other parts of the Southeast, causing damage to citrus, sugarcane, vegetables, timber, pecans, row crops, nursery crops, and farm fences and buildings. Some farms were damaged by both wind and flooding, and some southern Atlantic coastal areas were affected by a large storm surge and salt-water intrusion. Florida also suffered widespread and extensive power outages in Irma's wake.

Before reaching the Southeast, Irma had ripped through a string of Caribbean islands, including the northern U.S. Virgin Islands of St. Thomas and St. John. Then, on September 20, Hurricane Maria hit the other major U.S. Virgin Island of St. Croix before making a direct strike on Puerto Rico as a high-end Category 4 storm. In the storms' wake, the electrical grid was almost completely destroyed in Puerto Rico and the U.S. Virgin Islands, and many areas reported catastrophic damage to homes and farms. By early 2018, power on the U.S. Virgin Islands was more than 90 percent restored, but the Puerto Rican power grid was carrying only 80 percent of its pre-storm electrical load.

Although the 2017 growing season was "imperfect" across the Midwest, largely due to erratic rainfall, a lack of extreme heat helped to boost the Nation's corn yield to its highest level on record—slightly above 2016. The Nation's soybean yield was down about 6 percent form 2016, but production reached a record level in part due to record-high acreage. In stark contrast, a punishing drought developed by late spring and lasted through the remainder of the year across the Northern Plains, harming spring-sown small grains and severely stressing rangeland and pastures. Spring wheat yield was down about 13 percent from last year, while Durum wheat yield was down nearly 42 percent. The Northern Plain's drought later spread to parts of the Northwest, contributing to an extremely active wildfire season. Northwestern fires, which led to smoky conditions and poor air quality for long periods of time, helped to push the Nation's annual wildfire acreage into near-record territory. Based on preliminary reports, nearly 10 million acres of vegetation burned in 2017, compared to a record-high 10.1 million acres in 2015 and 9.9 million acres in 2006. In California, the fire season never really ended, as massive outbreaks struck Napa and environs in October and several coastal southern counties in December. Much earlier, fast-moving March grassfires had devastated numerous farms and ranches on the Central and Southern High Plains. And, before that, a truly impressive Western winter wet season had virtually erased multi-year precipitation deficits, including much of California's 4-year drought. However, the precipitation, which significantly improved Western water-supply prospects, also resulted in the February near-failure of northern California's Oroville Dam and contributed to grass and brush growth that later helped to fuel numerous large wildfires.

Late in the year, the return of La Niña contributed to drought development or expansion across the southern half of the United States. Across the Central and Southern Plains, developing drought late in the year was a concern with respect to poorly established winter wheat, especially when bitterly cold weather arrived in late December. During 2016, drought coverage in the contiguous United States ranged from a U.S. Drought Monitor-era record low of 4.5 percent on May 23 to 26.4 percent on December 26.

Winter 2016-17: La Niña quickly faded, disappearing altogether by winter's end. However, a pool of cool water persisted over the northeastern Pacific Ocean, possibly contributing to an active Pacific jet stream that led to the Nation's wettest December-February period since 1997-98. And, despite a few sharp, short-lived cold snaps, general winter warmth dominated all but the Nation's northwestern corner. The warmth intensified as winter progressed, culminating in the Nation's warmest February since 1954.

Aside from fleeting Arctic outbreaks in mid-December and early January, cold weather was largely confined to the Northwest. (The persistent Northwestern chill, accompanied by periods of precipitation, resulted in winter hardship for livestock and wildlife, as well as damage to some storage facilities due to heavy snow loads.) Across the Plains and

Midwest, enough snow preceded the two cold snaps in most areas to limit concerns about adverse impacts on winter wheat. In fact, across the Central and Southern Plains, drought rather than cold was a greater concern with respect to wheat. Between the end of November and the end of February, the portion of the winter wheat crop rated very poor to poor increased from 15 to 27 percent in Colorado; 13 to 21 percent in Kansas; 16 to 20 percent in Texas; and 12 to 15 percent in Oklahoma.

Wetness across the northern and western United States highlighted an overall stormy winter, although many storms bypassed the Mid-South and the Mid-Atlantic. Winter precipitation was particularly impressive from northern and central California to the northern Intermountain West. In fact, flooding developed on both sides of the Sierra Nevada crest in early January, followed by extensive flooding and flood-control efforts during February in parts of California.

According to the Drought Monitor, drought covered just 14.1 percent of the country by the end of February, down from 31.5 percent on November 29, 2016. Most of the drought eradication occurred in the West, including California, which experienced a winter decline in drought coverage from 73 to 9 percent. In contrast, winter precipitation was insufficient to erase drought from the southern Appalachians to southern New England, while pockets of drought developed, persisted or intensified from the Central and Southern Plains into the middle Mississippi Valley.

Spring: Active weather led to a net decrease in the Nation's drought coverage, as widespread, frequent storm systems bypassed only a few areas, such as the Northern Plains and the lower Southeast. However, an extended period of well-placed storms ended in late April, when too much rain in a short period of time across the Mid-South and lower Midwest caused extensive planting delays and lowland flooding.

Other spring highlights included a variety of weather extremes. In March, for example, significant events included early month wildfires on the Central and Southern Plains and mid-month freezes in the Southeast. The Southeastern freezes followed a mid-March Northeastern blizzard. Several weeks later, in late April, an historic, late-season snow storm on the Central and Southern High Plains flattened winter wheat and resulted in noteworthy livestock losses.

Meanwhile, an impressive Western snow-accumulation season finally peaked in April, following a final flurry of storms. The early part of the snow-melt season proceeded mostly in an orderly fashion, although periods of warm and/or wet weather led to localized lowland flooding. Lingering effects from the wet winter and early spring included planting and crop developmental delays, especially in California and the Northwest. Drought covered just 4.5 percent of the country—a U.S. Drought Monitor-era record low—by May 23, down from a March peak of 16 percent. The record-low drought coverage occurred on the strength of late-spring rainfall in the Southeast, and in spite of emerging drought on the Northern Plains.

Summer: One of the biggest weather events of the summer—the arrival and persistence of Hurricane Harvey along the Texas coast—unfolded in the final days of the season. Harvey caused flooding on a massive scale in late August from Houston, Texas, to southwestern Louisiana, setting rainfall and crest records across a vast area. Other summer highlights included persistent Western heat; a fast-developing and hard-hitting drought on the Northern Plains; and a Midwestern growing season that featured mostly favorable temperatures but erratic rainfall.

The Western heat contributed to a large number of wildfires, which seasonally shifted from the Southwest to California and the Northwest as the summer progressed. Other contributing factors to Western wildfires included an abundance of light fuels (e.g. grass and brush), cured by summer heat in the wake of a wet winter, as well as 6.3 billion standing dead trees, according to the U.S. Forest Service. During the mid- to late-summer period, stagnant air (due to a ridge of high pressure) helped to trap smoke from western North American wildfires near the earth's surface. Reductions in visibility and air quality due to smoke and haze were especially prominent and persistent in the Northwest.

Meanwhile, extremely dry conditions on the Northern High Plains were accompanied by periods of heat. Agricultural casualties included rangeland, pastures, and spring wheat—arguably the region's worst drought since 1988. The rapid drought expansion across the Northern Plains—and later the Northwest—boosted the Nation's drought coverage to 13.54 percent by September 5. By summer's end, extreme to exceptional drought (D3 to D4) cloaked 44 percent of Montana and portions of the western Dakotas.

Autumn: La Niña's influence on North American weather patterns became more obvious and profound as autumn progressed. Most notably, a marked drying trend developed across much of the southern United States. For some areas, including coastal Texas and peninsular Florida, the sudden dryness followed historic, hurricane-related rainfall. Meanwhile, autumn warmth accompanied the dryness, especially in the Southwest.

During the first few weeks of autumn, however, hurricanes dominated the weather headlines. In the western Gulf Coast region, recovery from Hurricane Harvey's record-setting downpours was just getting underway as September began. Days later, Hurricane Irma ripped through a string of Caribbean islands, including the U.S. Virgin Islands of St. Thomas and St. John, before taking aim on Florida and other parts of the southeastern United States. Finally, Hurricane Maria spared the mainland United States but devastated Puerto Rico and the U.S. Virgin Island of St. Croix.

Farther west, some of the Plains' winter wheat experienced unfavorable autumn weather, resulting in poor crop establishment. Weather-related concerns with respect to wheat included lingering drought on the Northern Plains and late autumn warmth and dryness across the Central and Southern Plains. Meanwhile, the corn harvest ended late in portions of the Midwest, in part due late crop maturation but also because of occasional rain-related delays.

Elsewhere, generally wet autumn weather in the Northwest contrasted with warm, mostly dry conditions in the Southwest. Northern California, with abundant light fuels (e.g. cured grasses and brush) and heavy fuels (e.g. dead or dying trees), experienced devastating October wildfires—but later received some much-needed rain and high-elevation snow. A new round of fires in southern California began in early December, days after the official end of meteorological autumn.

Only 6 months after drought covered just 4.5 percent of the contiguous United States, coverage expanded to 21.1 percent by November 28. La Niña's influence in drying out much of the southern United States accounted for much of the drought development.

December: Raging wildfires in southern California and a late-month cold wave east of the Rockies highlighted a La Niña-driven weather regime. La Niña also likely contributed to a broad expanse of drier-than-normal conditions, as well as unusually warm weather across the Nation's southwestern quadrant.

A few areas, however, received significant December precipitation. Wet (or snowy) regions included the northern High Plains and areas downwind of the Great Lakes. After mid-month, a pair of heavy precipitation events across the interior Southeast eased drought and generally benefited winter grains and cover crops.

In advance of bitterly cold conditions, snow cover increased from less than one-quarter to nearly half of the country between December 20 and 25. Most of the gain in snow coverage occurred across the northern half of the United States, providing highly beneficial insulation for Northwestern and Midwestern winter wheat, as well as wheat on the Plains from Nebraska northward. (Earlier in the month, from December 7-9, a rare, early-season snow storm had blanketed the Deep South from southern Texas to the southern Appalachians.)

In contrast, winter wheat across the southern half of the Plains—already poorly established and stressed by developing drought—was left exposed. And, as very cold air arrived late in the month, concerns mounted with regard to the health of the Southern Plains' wheat.

2017 Annual Crop Summary

April: Temperatures were above normal across most of the United States during the month of April. Monthly average temperatures were generally more than 2°F above normal east of the Great Plains with the Ohio Valley and the majority of the Southeast averaging more than 4°F above normal. The major exception to this trend was the Northwest where April average temperatures were mostly below normal. Precipitation levels were above normal across most of the Nation with notable rainfall totals reported across the northern Pacific Coast, South Central United States, and Mid-Atlantic States for the month. Parts of the lower Mississippi Valley and Washington recorded over 16 inches of precipitation during the month. In the eastern Plains, cold temperatures and measurable snowfall were reported during the last week of April. By April 9, producers had planted 3 percent of the Nation's corn crop, slightly behind the previous year but equal to the 5-year average. Producers had planted 34 percent of the 2017 corn crop by April 30, nine percentage points behind the

previous year but equal to the 5-year average. Planting progress was well ahead of historical averages in most of the eastern Corn Belt States. Cotton producers had planted 14 percent of the cotton crop by April 30, slightly behind the previous year and 3 percentage points behind the 5-year average. Producers in Texas, the largest cotton producing State, had planted 13 percent of the crop by the end of the month, 3 percentage points behind the 5-year average.

May: Most of the United States recorded below average temperatures for the month of May, with the only major exceptions in parts of the West and Southeast. Portions of the Great Plains and Mississippi Valley recorded average temperatures more than 2°F below normal. Wet weather in early May hampered spring fieldwork across much of the eastern United States. The western half of the Nation was relatively dry throughout the month. In late May, dry conditions prevailed across the West and Corn Belt allowing for more days of fieldwork but adversely impacted some crop conditions in the Northern Plains. By May 14, seventy-one percent of the 2017 corn crop was planted, 2 percentage points behind the previous year but slightly ahead of the 5-year average. Thirty-one percent of the Nation's corn crop had emerged by May 14, ten percentage points behind the previous year and 5 percentage points behind the 5-year average. Nationally, 33 percent of the cotton crop was planted by May 14, five percentage points behind the previous year and 4 percentage points behind the 5-year average. Producers had planted 32 percent of the 2017 sorghum crop by May 14, slightly behind the previous year and 3 percentage points behind the 5-year average. By May 14, seventy-eight percent of the barley crop was seeded, 10 percentage points behind the previous year and slightly behind the 5-year average. By May 28, sixty-seven percent of the Nation's soybean crop was planted, 4 percentage points behind the previous year and slightly behind the 5-year average. Ninety-six percent of the Nation's spring wheat crop was seeded by May 28, 2 percentage points behind the previous year but 5 percentage points ahead of the 5-year average.

June: Average monthly temperatures were generally above normal across the western United States with areas in the Southwest recording average temperatures more than 4°F above normal in June. From the Delta to the lower Atlantic Coast, average temperatures were lower than normal for the month. Drier than normal weather prevailed in areas west of the Mississippi Valley during the month. Drought levels expanded across the northern Great Plains, deteriorating crop and pasture conditions in Montana, North Dakota, and South Dakota. Elsewhere, areas along the Gulf Coast recorded more than 15 inches of precipitation during the month. In late June, Tropical Storm Cindy and its remnants brought significant delays to fieldwork in Alabama, Louisiana, and Mississippi. The planting of the 2017 corn crop was mostly complete across the United States by June 4 with 96 percent planted, slightly behind both the previous year and the 5-year average. Over 90 percent of the corn crop was emerged in all estimating States except Pennsylvania by June 18. Eighty-three percent of the Nation's soybean crop was planted by June 4, slightly ahead of the previous year and 4 percentage points ahead of the 5-year average. Nationally, 58 percent of the soybean crop had emerged by June 4, four percentage points behind the previous year and slightly behind the 5-year average. By June 4, ninety-nine percent of the barley crop was seeded, slightly behind the previous year but 3 percentage points ahead of the 5-year average. Nationwide, 97 percent of the barley crop had emerged by June 18, slightly behind the previous year but slightly ahead of the 5-year average. Peanut planting advanced to 91 percent complete by June 4, two percentage points ahead of both the previous year and the 5-year average. The Nation's spring wheat was 90 percent emerged by June 4, five percentage points behind the previous year but 5 percentage points ahead of the 5-year average. Ninety-eight percent of the rice crop had emerged by June 18, two percentage points behind both the previous year and the 5-year average. Nationally, 98 percent of the cotton crop was planted by June 25, equal to the previous year but slightly behind the 5-year average. By June 25, ninety-five percent of the Nation's sorghum was planted, slightly ahead of the previous year and 2 percentage point ahead of the 5-year average.

July: Warmer than normal temperatures blanketed the United States during July. Monthly average temperatures of more than 4°F above normal were recorded across the northern Plains and portions of the Pacific Northwest and California. Conversely, slightly cooler than normal weather settled in portions of the Great Lakes and New England. Precipitation was scattered throughout much of the Nation, with the largest accumulations more evident in the eastern United States. A band stretching from the eastern Corn Belt to the Mid-Atlantic States had areas recording precipitation over 4 inches above normal for the month. Drought intensity continued to grow across the upper Missouri Valley with crop conditions decreasing in Montana, North Dakota, and South Dakota throughout July. Nationally, 98 percent of the United States soybean crop had emerged by July 2, equal to the previous year but 3 percentage points ahead of the 5-year average. By July 30, eighty-two percent of the 2017 soybean crop was at or beyond the blooming stage, 2 percentage points behind the previous year but 2 percentage points ahead of the 5-year average. By July 2, fifty-nine percent of the spring wheat crop was at or beyond the heading stage, 12 percentage points behind the previous year but 5 percentage points ahead of the

5-year average. Heading of this year's oat crop advanced to 85 percent complete by July 2, six percentage points behind the previous year but slightly ahead of the 5-year average. Heading of the Nation's barley crop advanced to 51 percent complete by July 2, nineteen percentage points behind the previous year and 6 percentage points behind the 5-year average. Thirty-three percent of the 2017 rice crop was at or beyond the heading stage by July 16, six percentage points behind the previous year but slightly ahead of the 5-year average. Nationally, 87 percent of the cotton was at or beyond the squaring stage by July 30, four percentage points behind both the previous year and the 5-year average. By July 30, bolls were setting on 46 percent of the Nation's crop, 7 percentage points behind both the previous year and the 5-year average. Eighty-five percent of the corn was at or beyond the silking stage by July 30, four percentage points behind the previous year but equal to the 5-year average. By July 30, forty-nine percent of the Nation's sorghum was at or beyond the heading stage, 10 percentage points behind the previous year and 3 percentage points behind the 5-year average Eighty-seven percent of the peanut crop was pegging by July 30, slightly behind the previous year but slightly ahead of the 5-year average

August: Nearly all areas in the central and northeastern United States recorded below-average temperatures for the month of August. A majority of the Great Plains and Mississippi Valley recorded average temperatures for the month more than 4°F below normal. Conversely, above-average temperatures were recorded west of the Rocky Mountains. Most areas in the western Corn Belt, southern Plains, and lower Mississippi Valley had precipitation totals above normal levels. Hurricane Harvey brought heavy rain to eastern Texas and western Louisiana late in the month causing major flooding. The storm then traveled across the Mississippi Delta into the Ohio Valley triggering a decline in crop conditions in some States. By August 13, ninety-seven percent of the corn was at or beyond the silking stage, two percentage points behind the previous year and slightly behind the 5-year average. Nationally, 61 percent of the corn crop was at or beyond the dough stage by August 13, nine percentage points behind the previous year and slightly behind the 5-year average. By August 13, barley producers had harvested 52 percent of the 2017 crop, equal to the previous year but 12 percentage points ahead of the 5-year average. Overall, 49 percent of the barley was reported in good to excellent condition on August 13, equal to the beginning of the month but 22 percentage points below the same time in 2016. By August 20, spring wheat producers had harvested 58 percent of the Nation's crop, 5 percentage points behind the previous year but 7 percentage points ahead of the 5-year average. Overall, 34 percent of the spring wheat was reported in good to excellent condition on August 20, up 3 percentage points from July 30 but 32 percentage points lower than at the same time in 2016. Heading of the 2017 sorghum crop was 84 percent complete by August 20, four percentage points behind the previous year but 2 percentage points ahead of the 5-year average The Nation's rice crop was 96 percent headed by August 20, slightly behind the previous year but 4 percentage points ahead of the 5-year average. Seventy-eight percent of the oat crop was harvested by August 20, ten percentage points behind the previous year and 5 percentage points behind the 5-year average. By August 20, ninety-seven percent of the soybean crop was at or beyond the blooming stage, slightly behind the previous year but equal to the 5-year average. Ninety-three percent of the Nation's soybeans were at or beyond the pod setting stage by August 27, equal to the previous year but slightly ahead of the 5-year average. Ninety-three percent of the Nation's cotton crop was at or beyond the boll setting stage by August 27, two percentage points behind the previous year but equal to the 5-year average.

September: Most of the United States experienced above-average temperatures for the month of September with some locations in the Corn Belt and New England recording average temperatures more than 4°F above normal. Despite warm temperatures across major agricultural producing regions of the Nation, maturity and harvest of most fall harvested crops remained behind normal throughout the month. Scattered areas in the northern Rockies, Southwest, and Southeast recorded below-average temperatures for the month. Precipitation levels were variable across the Nation with some areas of the Pacific Northwest, Great Plains, and Southeast recording more than 4 inches of total precipitation for the month. In mid-September, Hurricane Irma brought heavy rain and winds to Florida and other southern Atlantic Coast States. Portions of Florida received more than 16 inches of precipitation from the storm. Above-normal monthly rainfall benefited drought areas of Montana, North Dakota, and South Dakota but delayed fieldwork. Nationally, 60 percent of the corn crop was at or beyond the dent stage by September 3, fourteen percentage points behind the previous year and 8 percentage points behind the 5-year average. Fifty-one percent of the corn crop was mature by September 24, nineteen percentage points behind the previous year and 13 percentage points behind the 5-year average. By September 10, ninety-six percent of the barley crop was harvested, 2 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Spring wheat producers had harvested 95 percent of the 2017 crop by September 10, slightly ahead of the previous year and 8 percentage points ahead of the 5-year average. Oat producers had harvested 96 percent of the 2017 crop by September 10, four percentage points behind the previous year and slightly

behind the 5-year average. Nationally, producers had harvested 55 percent of the 2017 rice crop by September 17, seven percentage points behind the previous year but 4 percentage points ahead of the 5-year average. Overall, 69 percent of the rice crop was rated in good to excellent condition on September 17, compared with 71 percent on September 3, and 55 percent at the same time in 2016. Forty-one percent of the 2017 soybean crop was at or beyond the leaf dropping stage by September 17, two percentage points behind both the previous year and the 5-year average. By September 17, eighty-four percent of the sorghum crop was at or beyond the coloring stage, 3 percentage points behind the previous year but slightly ahead of the 5-year average. By September 24, producers had sown 24 percent of the Nation's 2018 winter wheat acreage, 4 percentage points behind both the previous year and the 5-year average. By September 24, fifty-seven percent of the 2017 cotton crop was at or beyond the boll opening stage, 4 percentage points behind both the previous year and the 5-year average.

October: 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°F to 8°F 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°F 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 winds to 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. Soybean producers had harvested 49 percent of the Nation's crop by October 15, ten percentage points behind the previous 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 in 2016. By October 15, fifty-one percent of the Nation's peanut crop was harvested, slightly behind the previous 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 in 2016. By October 22, ninety-eight percent of the rice crop was harvested, 2 percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. Fifty-four percent of the 2017 corn crop was harvested by October 29, still well behind the previous year's 73 percent and the 5-year average of 72 percent. 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 in 2016. Sorghum producers had harvested 59 percent of the crop by October 29, sixteen percentage points behind the previous year and 10 percentage points behind the 5-year average. Producers had sown 84 percent of the 2018 winter wheat crop by October 29, slightly behind the previous year and 3 percentage points behind the 5-year average. Nationally, producers had harvested 46 percent of the cotton crop by October 29, slightly ahead of both the previous 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 in 2016. Producers had harvested 87 percent of the sugarbeet crop by October 29, two percentage points ahead of the previous year and slightly ahead of the 5-year average.

November: November's precipitation was higher than average around the Great Lakes, northern Rockies, and Pacific Northwest. The southern half of the Nation experienced drier than average weather, especially in parts of Texas, the Delta States, and the Southern Atlantic States. Despite heavy precipitation in the western half of the State, the northeastern part of Montana remained in an extreme drought for the month. Temperatures were fairly normal for most of the Nation during November, with most regions being within 2°F of average. The Rockies were the exception, with nearly all of Arizona, Colorado, New Mexico, Utah, and parts of Wyoming being 6°F to 8°F warmer than usual. The lack of extreme weather allowed for good working conditions, helping producers complete row crop harvest. Ninety-five percent of the 2018 winter wheat crop was sown by November 12, slightly ahead of the previous year, but equal to the 5-year average. Nationally, winter wheat emergence had advanced to 84 percent complete by November 12, slightly ahead of both the previous year and the 5-year average. Fifty percent of the 2018 winter wheat crop was reported in good to excellent condition for the week ending November 26, compared with 58 percent rated in these two categories during the same week in 2016. By November 12, ninety-seven percent of the Nation's sugarbeet crop was harvested, 4 percentage points ahead of the previous year, but equal to the 5-year average. Producers had harvested 96 percent of the soybean acreage by November 19, two percentage points behind the previous year and slightly behind the 5-year average. Producers had harvested 95 percent of the 2017 peanut acreage by November 19, equal to both the previous year and the 5-year average. Ninety-five percent of the 2017 corn crop was harvested by November 26, three percentage points behind both the previous year and the 5-year average. By November 26, ninety-five percent of the 2017 sorghum crop was harvested,

slightly behind both the previous year and the 5-year average. By November 26, winter wheat emergence was 92 percent complete, equal to both the previous year and the 5-year average. Producers had harvested 79 percent of the cotton crop by November 26, three percentage points ahead of the previous year, but slightly behind the 5-year average. By November 26, ninety-three percent of the 2017 sunflower crop was harvested, four percentage points behind the previous year, but equal to the 5-year average.

Crop Comments

Corn: Corn for grain production in the United States is estimated at 14.6 billion bushels, down 4 percent from the 2016 estimate. The average yield in the United States is estimated at a record 176.6 bushels per acre, 2.0 bushels above the 2016 average yield of 174.6 bushels per acre.

Estimated yields in 2017 are up from the previous year across most of the Corn Belt. Record yields are estimated in Alabama, Florida, Illinois, Kentucky, Louisiana, Minnesota, Mississippi, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, and West Virginia.

Corn planted area, at 90.2 million acres, was down 4 percent from 2016. Area harvested for grain was estimated at 82.7 million acres, down 5 percent from the 2016 estimate.

The 2017 corn objective yield data indicated the third highest number of ears per acre on record for the combined 10 objective yield States (Iowa, Illinois, Indiana, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin). Record high ear counts were recorded in South Dakota.

Corn silage production was estimated at 128 million tons for 2017, up 2 percent from 2016. The United States silage yield was estimated at 19.9 tons per acre, down 0.4 ton from 2016. Area harvested for silage was estimated at 6.43 million acres, up 4 percent from a year ago.

Wet weather hampered planting progress through much of the Corn Belt in April. Planting continued between storms allowing producers to plant 34 percent of this year's corn crop by April 30, nine percentage points behind the previous year but equal to the 5-year average. Planting progress was well ahead of historical averages in most of the eastern Corn Belt States.

By May 14, seventy-one percent of the 2017 corn crop was planted, 2 percentage points behind the previous year but slightly ahead of the 5-year average. Seventy-three percent of the corn crop had emerged by May 28, two percentage points behind both the previous year and the 5-year average.

The planting of the 2017 corn crop was 96 percent complete across the Nation by June 4, slightly behind both the previous year and the 5-year average. By June 18, corn emerged had advanced to 98 percent complete, slightly behind the previous year but equal to the 5-year average. By June 25, sixty-seven percent of the corn crop was reported in good to excellent condition, 8 percentage points below the same time in 2016.

Ten percent of the 2017 corn crop was silking by July 2, four percentage points behind the previous year and 3 percentage points behind the 5-year average. By July 9, sixty-five percent of the corn crop was reported in good to excellent condition, 11 percentage points below the same time in 2016. Dry weather negatively impacted corn condition ratings across the western Corn Belt. Sixty-seven percent of the corn crop was at or beyond the silking stage by July 23, nine percentage points behind the previous year and 2 percentage points behind the 5-year average. By July 30, twenty-three percent of the United States corn crop was at or beyond the dough stage, 5 percentage points behind 2016 and 2 percentage points behind the 5-year average. In 13 of the 18 major estimating States, the percentage of the crop in the dough stage was behind normal.

By August 6, forty-two percent of the crop was at or beyond the dough stage, 8 percentage points behind 2016 and 2 percentage points behind the 5-year average. By August 13, sixteen percent of the crop was denting, 3 percentage points behind 2016 and 4 percentage points behind the 5-year average. Seventy-six percent of the corn crop was at or beyond the dough stage by August 20, seven percentage points behind the previous year and slightly behind the 5-year average. By

August 27, forty-four percent of the Nation's corn crop had reached the dent stage, 13 percentage points behind 2016 and 7 percentage points behind the 5-year average.

Twelve percent of the crop was reported to be mature by September 3, five percentage points behind the previous year and 6 percentage points behind the 5-year average. By September 17, eighty-six percent of the Nation's corn crop was dented or beyond, 6 percentage points behind the previous year and 4 percentage points behind the 5-year average. By September 24, fifty-one percent of the corn crop was mature, 19 percentage points behind 2016 and 13 percentage points behind the 5-year average. By September 24, producers had harvested 11 percent of the Nation's corn crop, 3 percentage points behind the previous year and 6 percentage points behind the 5-year average. Harvest progress was at or behind the 5-year average pace in all estimating States except Texas. Overall, 61 percent of the corn crop was reported in good to excellent condition, 13 percentage points below the same time in 2016.

Sixty-eight percent of the 2017 corn crop was mature by October 1, sixteen percentage points behind the previous year and 10 percentage points behind the 5-year average. Nationwide, producers had harvested 17 percent of the corn crop by October 1, six percentage points behind the previous year and 9 percentage points behind the 5-year average. Overall, 63 percent of the Nation's corn crop was rated in good to excellent condition on October 1, ten percentage points below the same time the previous year. Fifty-four percent of the 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 in 2016.

Ninety-five percent of the corn crop was harvested by November 27, three percentage points behind both the previous year and the 5-year average. At that time, corn harvest was more than 90 percent complete in all estimating States, except Michigan, Ohio, Pennsylvania, and Wisconsin.

Sorghum: Grain production in 2017 was estimated at 364 million bushels, down 24 percent from the 2016 total. Planted area for 2017 was estimated at 5.63 million acres, down 16 percent from the previous year. Area harvested for grain, at 5.05 million acres, was down 18 percent from 2016. Grain yield was estimated at 72.1 bushels per acre, down 5.8 bushels from 2016. Record high yields were estimated in Colorado, Georgia, and Missouri.

In Colorado, drought conditions slowed the development of the crop early in the growing season but late season moisture aided crop development. During the last week of September, widespread cool and rainy weather brought beneficial moisture to several areas of the State. Sorghum was rated in mostly fair to excellent condition in Missouri throughout the growing season and was 95 percent harvested by the end of November.

Silage production was estimated at 3.77 million tons, down 10 percent from 2016. Area harvested for silage was estimated at 284,000 acres, down 5 percent from the previous year. Silage yield averaged 13.3 tons per acre, down 0.7 ton per acre from 2016.

Oats: Production in 2017 was estimated at 49.4 million bushels, down 24 percent from 2016. Yield was estimated at 61.7 bushels per acre, down 4.3 bushels from the previous year. Harvested area, at 801,000 acres, was 18 percent below the previous year. Record low acres were harvested in Alabama, California, Georgia, Idaho, Iowa, Maine, Minnesota, Ohio, Oregon, Pennsylvania, Wisconsin, and Wyoming.

The largest decreases in production from 2016 occurred in the upper Midwest where yields in North Dakota, South Dakota, and Wisconsin were down from the previous year. Lower harvested acres in New York and Pennsylvania led to a production decrease of over 2 million bushels in these two States combined. A record high yield was estimated in Wyoming.

Nationally, oat producers had seeded 28 percent of this year's crop by April 2, equal to the previous year but 6 percentage points behind the 5-year average. Producers had seeded 79 percent of the 2017 crop by May 7, eight percentage points behind the previous year but equal to the 5-year average. Ninety-one percent of the oat crop was emerged by May 28, three percentage points behind the previous year but 2 percentage points ahead of the 5-year average. Heading of the oat

crop advanced to 85 percent complete by July 2, six percentage points behind the previous year but slightly ahead of the 5-year average. Oat producers had harvested 35 percent of the crop by July 30, sixteen percentage points behind the previous year and 10 percentage points behind the 5-year average. Harvest progress was at or behind the 5-year average by the end of July in five of the nine weekly *Crop Progress* estimating States. Eighty-six percent of the Nation's oat crop was harvested by August 27, eight percentage points behind the previous year and 4 percentage points behind the 5-year average.

Barley: Production was estimated at 142 million bushels, down 29 percent from the 2016 total of 200 million bushels. Average yield per acre, at 72.6 bushels, was down 5.3 bushels from the previous year. Producers seeded 2.48 million acres in 2017, down 19 percent from 2016, and the lowest acreage planted on record since estimates began in 1866. Harvested area, at 1.95 million acres, was down 24 percent from 2016.

Nine percent of the Nation's barley was planted by April 9, eight percentage points behind the previous year and 7 percentage points behind the 5-year average. Planting progress was behind the historical pace in all estimating States, including Washington with 3 percent planted, 21 percentage points behind the 5-year average. Nationwide, barley producers had seeded 32 percent of the Nation's crop by April 30, twenty-three percentage points behind the previous year and 21 percentage points behind the 5-year average. All estimating States remained well behind their 5-year average planting pace at the end of April. By April 30, emergence was evident in 14 percent of the Nation's barley acreage, 13 percentage points behind the previous year and 7 percentage points behind the 5-year average. Nationally, 99 percent of the barley crop was sown by June 4, slightly behind the previous year but 3 percentage points ahead of the 5-year average. Eighty-four percent of the barley crop had emerged by June 4, eight percentage points behind the previous year and 3 percentage points behind the 5-year average. Heading of the Nation's barley crop advanced to 51 percent complete by July 2, nineteen percentage points behind 2016 and 6 percentage points behind the 5-year average. By July 30, barley producers had harvested 6 percent of the Nation's crop, 4 percentage points behind the previous year and 3 percentage points behind the 5-year average. Overall, 49 percent of the barley was reported in good to excellent condition on August 13, compared with 71 percent at the same time the previous year. At that time, barley condition ratings in the good and excellent categories were 52 percentage points below the previous year in Washington and 32 percentage points below in Montana. By September 10, ninety-six percent of the barley crop was harvested, 2 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average.

All wheat: Production totaled 1.74 billion bushels in 2017, down 25 percent from the 2016 total of 2.31 billion bushels. Area harvested for grain totaled 37.6 million acres, down 14 percent from the previous year. The United States yield was estimated at 46.3 bushels per acre, down 6.4 bushels from the previous year. The levels of production and changes from 2016 by type are winter wheat, 1.27 billion bushels, down 24 percent; other spring wheat, 416 million bushels, down 22 percent; and Durum wheat, 54.9 million bushels, down 47 percent.

Winter wheat: Winter wheat production for 2017 totaled 1.27 billion bushels, down 24 percent from the 2016 total of 1.67 billion bushels. The United States yield, at 50.2 bushels per acre, was down 5.1 bushels from 2016. Area harvested for grain was estimated at 25.3 million acres, down 16 percent from the previous year. Record high yields were estimated in Alabama, Illinois, Iowa, New Jersey, Pennsylvania, and West Virginia for 2017.

Harvested acreage was down from 2016 in most of the major Hard Red Winter (HRW) growing States, the primary wheat producing area. As a result of the decreased harvested acreage and lower yields in 2017, HRW production totaled 750 million bushels, down 31 percent from 2016.

In the Soft Red Winter (SRW) growing area, planted and harvested acreage decreased from 2016 in most of the region. SRW production totaled 292 million bushels, down 15 percent from 2016.

White winter production totaled 227 million bushels, down 7 percent from the previous year. Harvested acreage in the Pacific Northwest (Idaho, Oregon, and Washington) was down 3 percent from 2016. Yields were down from the previous year in Idaho and Washington.

By September 11, 2016, six percent of the Nation's 2017 crop was planted, slightly behind the previous year and the 5-year average. By October 2, producers had sown 43 percent of the Nation's 2017 winter wheat crop, slightly behind the

previous year and 2 percentage points behind the 5-year average. Nationwide, 20 percent of the winter wheat crop was emerged by October 2, four percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Thirteen of the 18 estimating States were behind the 5-year average planting pace by the end of October. Producers had seeded 86 percent of the 2017 winter wheat crop by October 30, slightly behind the previous year and 2 percentage points behind the 5-year average. Nationally, 70 percent of the crop had emerged by October 30, slightly ahead of both the previous year and the 5-year average.

Ninety-seven percent of the Nation's 2017 winter wheat crop was sown by November 20, two percentage points ahead of the previous year but 2 percentage points behind the 5-year average. By November 20, eighty-nine percent of the Nation's winter wheat was emerged, equal to the previous year but slightly ahead of the 5-year average. Emergence was at least 92 percent complete in 12 of the 18 estimating States as of November 27. Overall, 58 percent of the winter wheat crop was reported in good to excellent condition at that time, 3 percentage points above the same time the previous year.

In a majority of reporting States, the winter wheat crop was in mostly good to excellent condition by the end of December. Although in Kansas, the largest winter-wheat producing State, 44 percent of the crop was rated in good to excellent condition at the end of month, down from 52 percent on November 27. Forty-three percent of the Kansas winter wheat crop was rated in the good to excellent condition as of February 26, down slightly from the end of January.

On April 2, fifty-one percent of the 2017 winter wheat crop was reported in good to excellent condition, compared with 59 percent at the same time in 2016. At that time, crop conditions had declined in most of the Great Plains States since autumn with decreases of more than 12 percentage points in the good to excellent categories reported in Montana and Oklahoma. Nationally, heading advanced 13 percentage points during the week ending April 23, as favorable weather in the southern Plains promoted a rapid crop development pace. Thirty-two percent of the winter wheat crop was at or beyond the heading stage by April 23, eight percentage points ahead of the previous year and 9 percentage points ahead of the 5-year average. By April 30, heading of the winter wheat crop had advanced to 42 percent complete, 2 percentage points ahead of 2016 and 8 percentage points ahead of the 5-year average. Overall, 54 percent of the winter wheat crop was reported in good to excellent condition on April 30, up 3 percentage points from the beginning of the month but 7 percentage points lower than at the same time in 2016.

Heading of this year's winter wheat crop advanced to 80 percent complete by May 28, three percentage points behind the previous year but 3 percentage points ahead of the 5-year average. By June 4, producers had harvested 10 percent of this year's winter wheat crop, 8 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Overall, 49 percent of the winter wheat crop was reported in good to excellent condition on June 4, thirteen percentage points lower than at the same time in 2016.

Winter wheat harvest progress, at 28 percent complete by June 18, was 5 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Overall, 48 percent of the winter wheat was reported in good to excellent condition on July 2, down slightly compared to the percentage rated in these two categories on June 4 and 14 percentage points lower than at the same time in 2016. Harvest was at or ahead of the State 5-year average in 14 of the 18 estimating States as of July 9. By July 16, three-quarters of this year's winter wheat crop was harvested, equal to the previous year but 2 percentage points ahead of the 5-year average. Winter wheat harvest was complete or nearing completion in 12 of the 18 estimating States by the end of July.

Other spring wheat: Production for 2017 was estimated at 416 million bushels, down 22 percent from the 2016 total of 532 million bushels. Harvested area totaled 10.2 million acres, down 10 percent from 2016. The United States yield was estimated at 41.0 bushels per acre, 6.3 bushels below 2016. Record high yields were estimated in Minnesota and Nevada for 2017. Of the total production, 385 million bushels were Hard Red Spring wheat, down 22 percent from the 2016 total.

Thirty-one percent of the spring wheat crop was seeded by April 30, twenty-one percentage points behind the previous year and 15 percentage points behind the 5-year average. At the end of April, planting progress was behind the 5-year average in all estimating States except South Dakota. By April 30, nine percent of the spring wheat crop was emerged, 11 percentage points behind the previous year and 8 percentage points behind the 5-year average.

Nationally, 78 percent of the spring wheat crop was seeded by May 14, nine percentage points behind the previous year

but 5 percentage points ahead of the 5-year average. By May 14, forty percent of the spring wheat crop had emerged, 17 percentage points behind 2016 and 4 percentage points behind the 5-year average. Ninety-six percent of the Nation's spring wheat crop was seeded by May 28, two percentage points behind the previous year but 5 percentage points ahead of the 5-year average.

The Nation's spring wheat was 90 percent emerged by June 4, five percentage points behind the previous year but 5 percentage points ahead of the 5-year average. Overall, 55 percent of the spring wheat crop was reported in good to excellent condition on June 4, twenty-four percentage points below the same time the previous year. By June 18, fifteen percent of the spring wheat was at or beyond the heading stage, 10 percentage points behind the previous year and 2 percentage points behind the 5-year average.

By July 2, fifty-nine percent of the spring wheat crop was at or beyond the heading stage, 12 percentage points behind the previous year but 5 percentage points ahead of the 5-year average. Overall, 37 percent of the spring wheat crop was reported in good to excellent condition on July 2, thirty-five percentage points lower than at the same time in 2016. Drought conditions continued to worsen at this time in the Dakotas and eastern Montana with at least 30 percent of the spring wheat acreage rated in very poor to poor condition in all three States. Ninety-six percent of the spring wheat was at or beyond the heading stage by July 23, three percentage points behind the previous year but 2 percentage points ahead of the 5-year average. By July 30, nine percent of the spring wheat was harvested, equal to both the previous year and the 5-year average. Overall, 31 percent of the spring wheat crop was reported in good to excellent condition on July 30, down 6 percentage points from July 2 and 37 percentage points below the same time in 2016. Dry weather led to deteriorating spring wheat conditions in the northern Plains including South Dakota and Montana, rated at 75 percent and 58 percent in the very poor to poor categories, respectively, as of July 30.

Durum wheat: Production for 2017 was estimated at 54.9 million bushels, down 47 percent from the 2016 total of 104 million bushels. Area harvested for grain totaled 2.14 million acres, down 9 percent from the previous year. The United States yield was estimated at 25.7 bushels per acre, down 18.3 bushels from the 2016 record high yield. Production in North Dakota, the largest Durum-producing State, was down 50 percent from 2016. Drought conditions in eastern Montana and North Dakota during the 2017 growing season negatively impacted yield and reduced acreage harvested for grain. Harvest progress in these two States, as of September 3, was well ahead of the 5-year average pace due to rapid maturation.

Rice: Production in 2017 totaled 178 million cwt, down 20 percent from the 2016 total. Planted area for 2017 was estimated at 2.46 million acres, down 22 percent from 2016. Area harvested, at 2.37 million acres, was down 23 percent from the previous crop year. The average yield for all United States rice was estimated at 7,507 pounds per acre, up 270 pounds from the 2016 average yield of 7,237 pounds per acre.

In all States, higher prices for competing commodities contributed to the decline in rice acres compared with the previous crop year. In late April, flooding in parts of Arkansas resulted in a record number of abandoned acres.

Despite some adverse weather conditions in 2017, yields increased from the previous year in all States except California and Texas. A record high yield was estimated in Missouri.

Rye: Production for 2017 was estimated at 9.70 million bushels, down 28 percent from the 2016 total of 13.5 million bushels. Harvested area totaled 286,000 acres, down 128,000 acres from 2016. The United States yield, at 33.9 bushels per acre, was up 1.4 bushels from the previous year.

Proso millet: Production of proso millet in 2017 totaled 14.6 million bushels, compared with the 12.6 million bushels produced in 2016. Area planted to proso millet in the United States was estimated at 478,000 acres, up 35,000 acres from 2016. Area harvested in the United States, at 404,000 acres, was down 9,000 acres from 2016. The average yield for 2017 was estimated at 36.1 bushels per acre, up 5.7 bushels from 2016 and represented the highest yield on record. A record yield was estimated for 2017 in Colorado.

All hay: Production of all dry hay for 2017 was estimated at 131 million tons, down 3 percent from the revised 2016 total. Area harvested was estimated at 53.8 million acres, up one percent from 2016. The average yield, at 2.44 tons per acre,

was down 0.08 ton from the previous year.

Alfalfa and alfalfa mixtures: Production in 2017 was estimated at 55.1 million tons, down 5 percent from the 2016 total. Harvested area, at 16.6 million acres, was 2 percent below the previous year. Average yield was estimated at 3.32 tons per acre, down 0.13 ton from 2016.

The top three States for alfalfa acreage (Montana, North Dakota, and South Dakota) experienced drought conditions throughout the growing season. As a result, all three States were down in harvested acreage and production. Record high yields were estimated in Arkansas and Oregon.

All other hay: Production in 2017 totaled 76.4 million tons, down less than 1 percent from the revised 2016 total. Harvested area, at 37.2 million acres, was up 2 percent from the previous year. Average yield was estimated at 2.05 tons per acre, down 0.05 ton from the previous year's revised record high.

Aside from the drought conditions in Montana, North Dakota, and South Dakota, the rest of the United States experienced adequate growing conditions. Record high yields were estimated in Connecticut, Idaho, Nevada, and Vermont.

Forage: In 2017, seventeen States were included in the forage estimation program, which measures annual production of forage crops. Haylage and greenchop production was converted to 13 percent moisture and combined with dry hay production to derive the total forage production. The total 2017 all haylage and greenchop production for the 17 States in the forage program was 30.5 million tons, of which 20.0 million tons were from alfalfa and alfalfa mixtures. The 17 State total for all forage production was 86.7 million tons. Of this total, 44.0 million tons were produced from alfalfa and alfalfa mixtures.

New seedings of alfalfa and alfalfa mixtures: Growers seeded 2.21 million acres of alfalfa and alfalfa mixtures during 2017, down 3 percent from 2016. The new seedings of alfalfa and alfalfa mixtures will normally be harvested for the first time in the year following planting.

Peanuts: Production was estimated at a record high 7.23 billion pounds, up 30 percent from 2016. Planted area was estimated at 1.87 million acres, up 12 percent from 2016. Harvested area was estimated at 1.78 million acres, up 16 percent from 2016. The average yield was estimated at 4,074 pounds per acre, up 440 pounds from 2016.

Planted area for peanuts was estimated at its highest level since 1991. Harvested area increased in all States from last year, except for New Mexico. Production in 2017 was up from the previous year in all estimating States. In Georgia, growers realized the highest production on record. Record high production was also estimated in Arkansas and South Carolina. Record high yields were estimated in Arkansas, South Carolina, and Virginia.

Canola: Production in 2017 was estimated at a record 3.12 billion pounds, up 1 percent from 2016. The average yield, at 1,558 pounds per acre, was down 266 pounds from the 2016 average yield. Planted area was estimated at a record high 2.08 million acres, 21 percent above the previous year's acreage. Harvested area, at a record high 2.00 million acres, was up 18 percent from 2016.

Production in North Dakota, the leading canola-producing State, was estimated at 2.54 billion pounds. This was down 5 percent from the previous year but was still the second largest production on record for North Dakota. Planted and harvested area in North Dakota were both record highs.

The average yield in Minnesota was the highest on record at 2,050 pounds per acre.

Sunflower: The 2017 sunflower production totaled 2.17 billion pounds, down 18 percent from 2016. The United States average yield per acre of 1,613 pounds decreased 118 pounds from 2016. However, the average yield was still the third highest on record. Planted area, at 1.40 million acres, was 12 percent below the previous year. Area harvested decreased 12 percent from 2016 to 1.34 million acres.

South Dakota, the leading sunflower-producing State during 2017, produced 1.04 billion pounds, a decrease of 2 percent

from 2016. Compared with 2016, planted area in South Dakota increased 11 percent but yield decreased 208 pounds to 1,750 pounds per acre. Meanwhile, production in North Dakota decreased 39 percent primarily due to harvested area, which decreased 36 percent from the previous year. The average yield in North Dakota declined 80 pounds from 2016 to 1,636 pounds per acre.

United States production of oil-type sunflower varieties, at 1.86 billion pounds, decreased 22 percent from 2016. Compared with the previous year, harvested acres were down 14 percent and the average yield decreased by 146 pounds to 1,585 pounds per acre.

Production of non-oil sunflower varieties was estimated at 312 million pounds, an increase of 10 percent from 2016. Area harvested, at 172,700 acres, was up 6 percent from 2016, but was the second lowest since 1983. The average yield increased by 75 pounds from 2016 to 1,804 pounds per acre and represented the second highest yield on record for non-oil varieties.

Harvest of sunflowers began in very late September and progressed mostly behind normal throughout October in the four major States. As of October 29, fifty-three percent of the crop was harvested, 7 percentage points behind the previous year and 1 percentage point behind the 5-year average. By November 26, harvest progress had reached 93 percent complete Nationally, 4 percentage points behind the previous year but equal to the 5-year average.

Soybeans: Production in 2017 totaled a record 4.39 billion bushels, up 2 percent from 2016. The average yield per acre was estimated at 49.1 bushels, 2.9 bushels below the record yield in 2016. Planted area for the Nation, at a record 90.1 million acres, was up 8 percent from the 2016 planted acreage. Soybean growers harvested a record 89.5 million acres, up 8 percent from last year.

Yields were at record high levels across much of the southern United States from the Delta to the Appalachian Mountains. Record high yields occurred in Alabama, Delaware, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, and Virginia.

The 2017 soybean objective yield survey data indicated that final average pod counts were higher than last year in the combined eleven objective yield States. Compared with last year, pod counts were up in Arkansas, Missouri, and Ohio.

Favorable conditions early in the spring allowed soybean planting to begin in many parts of the Nation by the third week of April. Planting was underway by the start of May in all 18 major soybean-producing States. Fourteen percent of the crop was planted by May 7, seven percentage points behind the previous year and 3 percentage points behind the 5-year average. Eighty-three percent of the soybean crop was planted by June 4, four percentage points ahead of the 5-year average.

Nationally, 89 percent of the soybean crop was emerged by June 18, slightly ahead of the previous year and 5 percentage points ahead of the 5-year average. Kansas, Missouri, and North Dakota soybean emergence were more than 10 percentage points ahead of the 5-year average on June 18. Nationally, 98 percent of the soybean crop was emerged by July 2, the same as in 2016 but 3 percentage points ahead of the 5-year average. By July 9, thirty-four percent of the soybean crop was blooming, 3 percentage points behind the previous year but 2 percentage points ahead of the 5-year average.

Fifty-two percent of the Nation's soybeans were blooming by July 16, four percentage points behind the previous year but slightly ahead of the 5-year average. By July 23, twenty-nine percent of the Nation's soybeans were at or beyond the pod-setting stage, 4 percentage points behind the previous year but 2 percentage points ahead of the 5-year average. Eighty-two percent of the soybeans were at or beyond the blooming stage by July 30, two percentage points behind the previous year but 2 percentage points ahead of the 5-year average. By July 30, forty-eight percent of the Nation's soybeans were setting pods, 3 percentage points behind the previous year but 3 percentage points ahead of the 5-year average.

As of July 30, forty-eight percent of the soybean crop was setting pods, 3 percentage points behind the previous year but 3 percentage points ahead of the 5-year average. Eighty-seven percent of the crop was at or beyond the pod setting stage on August 20, slightly behind the previous year but 2 percentage points ahead of the 5-year average. By September 3,

eleven percent of the soybean crop was at or beyond the dropping leaves stage, equal to the previous year but slightly behind the 5-year average.

As of October 1, eighty percent of the United States soybean crop was dropping leaves or beyond, slightly behind the previous year but 2 percentage points ahead of the 5-year average. Despite soybeans dropping leaves being ahead of the 5-year average by the end of September, harvest progress was not as far along. Overall, harvest was 22 percent complete as of October 1, two percentage points behind the previous year and four percentage points behind the 5-year average. At that time, harvest progress was at or behind the State 5-year average in 8 of the 18 estimating States. As of October 1, sixty percent of the Nation's soybean crop was rated in good to excellent condition, 14 percentage points below the same week in 2016. By October 15, the soybean crop was 49 percent harvested, 10 percentage points behind the previous year and 11 percentage points behind the 5-year average. As of October 29, harvest was 83 percent complete Nationwide, 2 percentage points behind the previous 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.

Flaxseed: Production of flaxseed in 2017 totaled 3.84 million bushels, down 56 percent from the previous year. Harvested area totaled 272,000 acres in 2017, down 26 percent from the previous year. Harvested acreage in North Dakota, the largest flaxseed-producing State, was estimated at 229,000 acres, down 30 percent from 2016. The average United States yield for 2017, at 14.1 bushels per acre, was down 9.6 bushels from 2016 and represented the lowest United States yield since 1989. Hot and dry weather during the growing season negatively impacted yields in Montana, North Dakota, and South Dakota.

Safflower: Production of safflower in 2017, at 180 million pounds, was down 18 percent from 2016 and was the third lowest production since records began in 1991. Growers planted 162,000 acres in 2017, an increase of 1 percent from 2016. Harvested area, at 143,200 acres, was down 6 percent from the previous year. Average yield, at 1,256 pounds per acre, declined 176 pounds from 2016.

Other Oilseeds: Mustard seed production for 2017 declined 37 percent from the previous year to 60.3 million pounds. However, this represents the second largest production since 2003 for the Nation. Planted area, at 103,000 acres, was down just 100 acres from 2016. Harvested area, at 95,400 acres, was down 3 percent, or 2,800 acres, from last year. Planted and harvested acreage represented the fourth and fifth highest area for the Nation, respectively, since records began in 1991. The average yield, at 632 pounds per acre, was 348 pounds below the 2016 average yield and was the fourth lowest yield on record.

Rapeseed production was estimated at a record high 20.8 million pounds, up 7 percent from last year’s production level. Growers planted 10,100 acres of rapeseed in 2017, a decline of 900 acres from 2016. Harvested area, at 9,700 acres, was down 800 acres from last year. Planted and harvested area in the United States represented the fourth and third highest on record, respectively, since records began in 1991. The average yield in 2017 was 2,139 pounds per acre, an increase of 299 pounds from 2016 and the second highest yield on record for the Nation.

Cotton: Upland cotton production was estimated at 20.6 million 480-pound bales, up 24 percent from the previous year. The United States yield for Upland cotton is estimated at 889 pounds per acre, up 34 pounds from 2016. Upland planted area, estimated at 12.4 million acres, was up 25 percent from last year. Harvested area, at 11.1 million acres, was up 19 percent from the previous year. Record high Upland production is estimated in Kansas, Oklahoma, and Texas. Record Upland yields were estimated in Arkansas and Missouri.

In the Southeast States (Alabama, Florida, Georgia, North Carolina, South Carolina, and Virginia), planting was completed by end of June. With frequent rainfall and extreme heat over the summer, there were many reports of disease and insect pressure in cotton fields; however, farmers were diligent about spraying and kept the negative effects to a minimum. Winds from Hurricanes Harvey and Irma caused some damage to cotton in September, resulting in some yield losses and also delays in harvesting the crop. Drier weather developed toward the end of the growing season, but the crop remained in mostly good to excellent condition allowing harvest to continue on pace.

In the Delta region, planting was complete by mid-June. The summer months of June and July brought hot, dry conditions throughout the region which allowed the crop to mature ahead of normal in Arkansas, Louisiana, Tennessee, and Missouri. With the advanced crop, harvest was underway in mid-September in Mississippi and Louisiana. By early October, harvest was in full swing in the region and was complete by late November.

Texas growers began the planting season at an above average pace. Early rains were followed by drier conditions and warm temperatures during the growing season, making it ideal for cotton growth in Kansas, Oklahoma, and Texas. In Texas, the favorable weather conditions in spring and summer, prior to Hurricane Harvey, was beneficial to crop development. In the early part of September, the Upper Coast and South East Texas were still experiencing the lingering effects of Hurricane Harvey with significant rainfall resulting in extensive flooding in many areas. The rest of the State received little to no rain, with the exception of areas in the Edwards Plateau, South Texas, and the Lower Valley. During the latter part of the month, conditions remained in mostly fair to excellent condition. The cotton crop in Kansas and Oklahoma was also rated mostly fair to excellent condition throughout the growing season and with an increase in acres for 2017, record production was estimated for Kansas, Oklahoma, and Texas.

American Pima producers planted 251,500 acres in 2017, up 29 percent from 2016. Harvested area, at 247,900 acres, was up 32 percent from the previous year. Production was estimated at 693,000 bales (480-pound), up 22 percent from 2016. The United States yield is estimated at 1,342 pounds per acre, down 112 pounds from the previous year.

Ginnings totaled 16,153,150 running bales prior to January 1, compared with 13,858,050 running bales ginned prior to the same date last year.

Cottonseed: Production for 2017, based on a 3-year average lint-seed ratio, is expected to total 6.73 million tons, up 25 percent from last year.

Tobacco: United States all tobacco production for 2017 was estimated at 710 million pounds, up 13 percent from the previous year. Growers harvested 321,470 acres, up 1 percent from a year earlier. Yield per acre averaged 2,209 pounds, up 242 pounds per acre from 2016.

Flue-cured tobacco production was estimated at 461 million pounds, up 7 percent from the previous year. Harvested acres totaled 209,500 in 2017, two percent below a year earlier. Yields averaged 2,199 pounds per acre, up 178 pounds from 2016. North Carolina growers reported transplanting started early and rain caused some delays resulting in a mix of an early and late crop.

Burley production totaled 161 million pounds, up 15 percent from the previous year. Growers harvested 81,500 acres, up 2 percent from 2016. Reported yields averaged 1,977 pounds per acre, up 230 pounds from a year earlier. Kentucky growers reported tobacco quality was much better than the previous year.

Sugarbeets: Production for 2017 was estimated at 35.3 million tons, down 4 percent from the previous year's revised production. Growers in the 11 major sugarbeet-producing States planted 1.13 million acres, down 3 percent from the 2016 revised area. Harvested area, at 1.11 million acres, was down 1 percent from the previous year. Estimated yield, at 31.7 tons per acre, was down 1.1 tons from last year.

Sugarcane: Production of sugarcane for sugar and seed in 2017 was estimated at 32.2 million tons, of which 30.7 million tons were utilized for sugar and 1.56 million tons for seed. Total production for sugar and seed was up slightly from 2016. Sugarcane producers harvested 892,900 acres for sugar and seed in 2017, down 1 percent from the previous year. Yield for sugar and seed was estimated at 36.1 tons per acre, down 0.5 ton from 2016.

Beginning in 2017, sugarcane estimates were discontinued in Hawaii.

Dry beans: United States dry edible bean production was estimated at 35.8 million cwt for 2017, up 25 percent from the previous year. Planted area was estimated at 2.09 million acres, up 26 percent from 2016 and the highest since 1990. Harvested area was estimated at 2.01 million acres, 29 percent above the previous year. The average United States yield was 1,781 pounds per acre, a decrease of 61 pounds from 2016.

In North Dakota, planting was virtually complete by mid-June and harvest neared completion by October 22. In Michigan, good spring rains gave way to hot, dry summer conditions. However, the crop exceeded many growers' expectations. In Idaho and Montana, abnormally dry conditions reduced crop yields.

Lentils: Production of lentils was estimated at 7.48 million cwt, down 42 percent from the previous year's record high level. Planted area, at 1.10 million acres, was up 18 percent from a year earlier, while harvested acreage, at 1.02 million acres, was up 13 percent from 2016. Planted and harvested area were at record highs in Montana and the United States. Average yield was 732 pounds per acre, down 682 pounds from 2016 and the lowest since records began in 1986. Yields were down from a year earlier in all four program States: Idaho, Montana, North Dakota, and Washington.

In Montana, harvest began in mid-July with 95 percent harvested by August 20. Drought-like conditions persisted throughout much of the growing season with 97 percent of the topsoil moisture rated very short to short as of September 3. Yield was at the lowest level since 2006. In North Dakota, harvest began in early August and was 66 percent complete by September 3. As with Montana, a severe drought negatively impacted the crop with average yield at the lowest level since records began in 1998.

Wrinkled seed peas: Production was estimated at 357,000 cwt in 2017, down 19 percent from 2016. Washington production decreased by 12 percent, while Idaho decreased 31 percent from a year ago.

Dry edible peas: Production of dry edible peas was estimated at 14.2 million cwt, down 49 percent from the previous year. Planted area, at 1.13 million acres, and harvested area, at 1.05 million acres, decreased by 18 percent and 21 percent, respectively. Average United States yield, at 1,350 pounds per acre, was down 736 pounds from 2016 and the lowest level since 1996.

In Montana, drought conditions reduced yields and by late July the crop was rated mostly poor to fair. Producers began harvesting in early July and harvest was 98 percent complete by September 3. Estimated yield was at the lowest level since 2002. In North Dakota, harvest started in late July and was complete by early September. Crop condition was rated mostly fair to good during the beginning of the growing season but finished ranging from very poor to fair due to the drought. Harvest began in mid-July and was 92 percent complete by September 3.

Austrian winter peas: United States Austrian winter pea production was forecast at 125,000 cwt, down 73 percent from the previous year, and at the lowest level since 2008. Planted area was estimated at 26,500 acres, down 28 percent from a year earlier. Area harvested totaled 9,400 acres, down 65 percent from 2016. United States yield, at 1,330 pounds per acre, was down 370 pounds from a year earlier. In Montana, producers reported record low yields, primarily caused by drought-like conditions.

All potatoes: Total 2017 United States potato production was estimated at 441 million cwt, slightly below the 2016 crop. Harvested area, at 1.03 million acres, was up 1 percent from the previous year. The average yield, at 430 cwt per acre, was down 3 cwt from the previous year.

Spring potatoes: Production for 2017 was estimated at 19.8 million cwt, up 30 percent from the 2016 crop. Harvested area totaled 57,700 acres, up 20 percent from a year earlier. The average yield of 343 cwt per acre was up 27 cwt from 2016.

Summer potatoes: Production of summer potatoes was estimated at 21.7 million cwt, up 11 percent from 2016. Harvested area was estimated at 65,500 acres, 8 percent above the previous year. Average yield was estimated at 331 cwt per acre, up 8 cwt from 2016.

Fall potatoes: Production of fall potatoes for 2017 was estimated at 400 million cwt, down 2 percent from the previous year. Area harvested, at 902,300 acres, was down 1 percent from 2016. The average yield was estimated at 443 cwt per acre, down 4 cwt from the previous year's record high yield.

Idaho, Washington, and New York all had wet spring weather that delayed planting by two weeks or more. Even though

the summer was hot and dry in Idaho and Washington, harvest was delayed due to the late planting dates. Digging began in North Dakota in late August, but progress was slowed by abnormally high temperatures which halted harvest for a short time. Nebraska set a record high yield of 480 cwt per acre, beating out the previous record of 470 set in 2014.

Sweet potatoes: Production of sweet potatoes in 2017 totaled 35.6 million cwt, up 13 percent from 2016. Growers harvested 159,300 acres, down 2 percent from the previous year. Yield per acre, at a record high 224 cwt, was up 31 cwt from 2016.

Growers in North Carolina, the largest sweet potato-producing State, had a good year as indicated by the 2017 yield which tied the record set in 2014. Acreage was down due to lower prices. Louisiana had heavy rains early in the planting season causing some fields to be re-worked or replanted. Hurricane Harvey led to rainfall events of up to 10 inches in some production areas. Harvest was delayed due to wet conditions. Although yields were negatively affected in some areas of Louisiana, the northern part did not receive as much excess rain as the mid and lower half. Growers in Mississippi were also challenged by excessive water in many fields.

Peppermint oil: Production in 2017 totaled 5.78 million pounds, up 1 percent from the previous year. Harvested area was estimated at 60,400 acres, down 5 percent from 2016. Average yield was estimated at 96 pounds of oil per acre, up 6 pounds from a year earlier.

Spearmint oil: Production totaled 2.80 million pounds in 2017, down 13 percent from the previous year. Harvested area was estimated at 22,300 acres, down 2,200 acres from a year earlier. Average yield was estimated at 125 pounds of oil per acre, down 6 pounds from 2016.

Hops: Production for Idaho, Oregon, and Washington in 2017 totaled a record high 104 million pounds, up 20 percent from the 2016 crop of 87.1 million pounds. Combined area harvested for Idaho, Oregon, and Washington in 2017 totaled a record high 53,282 acres, up 5 percent from the 2016 level of 50,857 acres. Harvested acreage increased in all three States; 24 percent in Idaho, 3 percent in Washington, and 1 percent in Oregon. United States hop yield, at 1,959 pounds per acre, increased 246 pounds from a year ago.

Washington produced 75 percent of the United States hop crop for 2017; while Idaho accounted for 13 percent and Oregon accounted for 11 percent. The 2017 crop year marked the first time Idaho hop production surpassed production in Oregon. Cascade, Centennial, Zeus, Simcoe, Citra, and Mosaic were the six leading varieties in Washington, accounting for 54 percent of the State's hop production. In Idaho, Zeus, Cascade, Amarillo, Mosaic, Citra, and Chinook were the major varieties, accounting for 69 percent of the State's hop production. In Oregon, Nugget, Cascade, Willamette, and Citra were the major varieties, accounting for 53 percent of the State's hop production.

Maple syrup: The 2017 United States maple syrup production totaled 4.27 million gallons, up 2 percent from the previous year. The number of taps was estimated at 13.3 million, up 6 percent from the 2016 total. Yield per tap was estimated to be 0.320 gallon, down 4 percent from the previous season.

Taro: Hawaii taro production for the 2017 crop year totaled 3.69 million pounds, up 5 percent from the previous year. Harvested area, at 350 acres, was up 40 acres from 2016. Yield for 2017 was 10,530 pounds per acre, down 770 pounds per acre the previous year. Area harvested increased, however yield declined due to more reported crop damage from wild animals, thus keeping the production level stable over the last few years.

Statistical Methodology

Survey procedures: The estimates in this report are based primarily on surveys conducted the first two weeks of December. The December Agricultural Survey (DAS) is a probability survey that includes a sample of approximately 81,800 farm operators selected from a list of producers that ensures all operations in the United States have a chance to be selected. Data from operators was collected by mail, internet, telephone, or personal interview to obtain information on crop acreage, yield and production for the 2017 crop year.

Estimating procedures: National and State level objective yield and farm operator reported data (DAS) were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared with previous years. Each Regional Field Office submits an estimate and written analysis for their State to the Agricultural Statistics Board (ASB). The ASB uses the survey data, administrative data, and the State analysis to prepare the estimates published in this report.

Revision policy: Estimates contained in this report may be revised the following year, if new information is available that would justify a change. Estimates will also be reviewed after data for the 5-year Census of Agriculture are available. No revisions will be made after that date.

Reliability: The surveys used to make the acreage, yield, and production estimates contained in this report are subject to sampling and non-sampling type errors that are common to all surveys. Reliability of the objective yield and farmer survey must be treated separately because the survey designs for the two surveys are different. The objective yield indications (corn, cotton, and soybeans) are subject to sampling variability because all acres of a given commodity are not included in the sample.

The farm operator survey indications are also subject to sampling variability because not all operations with commodities of interest are included in the sample. This variability, as measured by the relative standard error at the National level, is approximately 1.1 for corn, 2.1 for Upland cotton and 1.0 for soybeans. This means that chances are approximately 95 out of 100 that survey estimates for production will be within plus or minus 2.2 percent for corn, 4.2 percent for Upland cotton, and 2.0 percent for soybeans.

Survey indications are also subject to non-sampling errors such as omission, duplication, imputation for missing data, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

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

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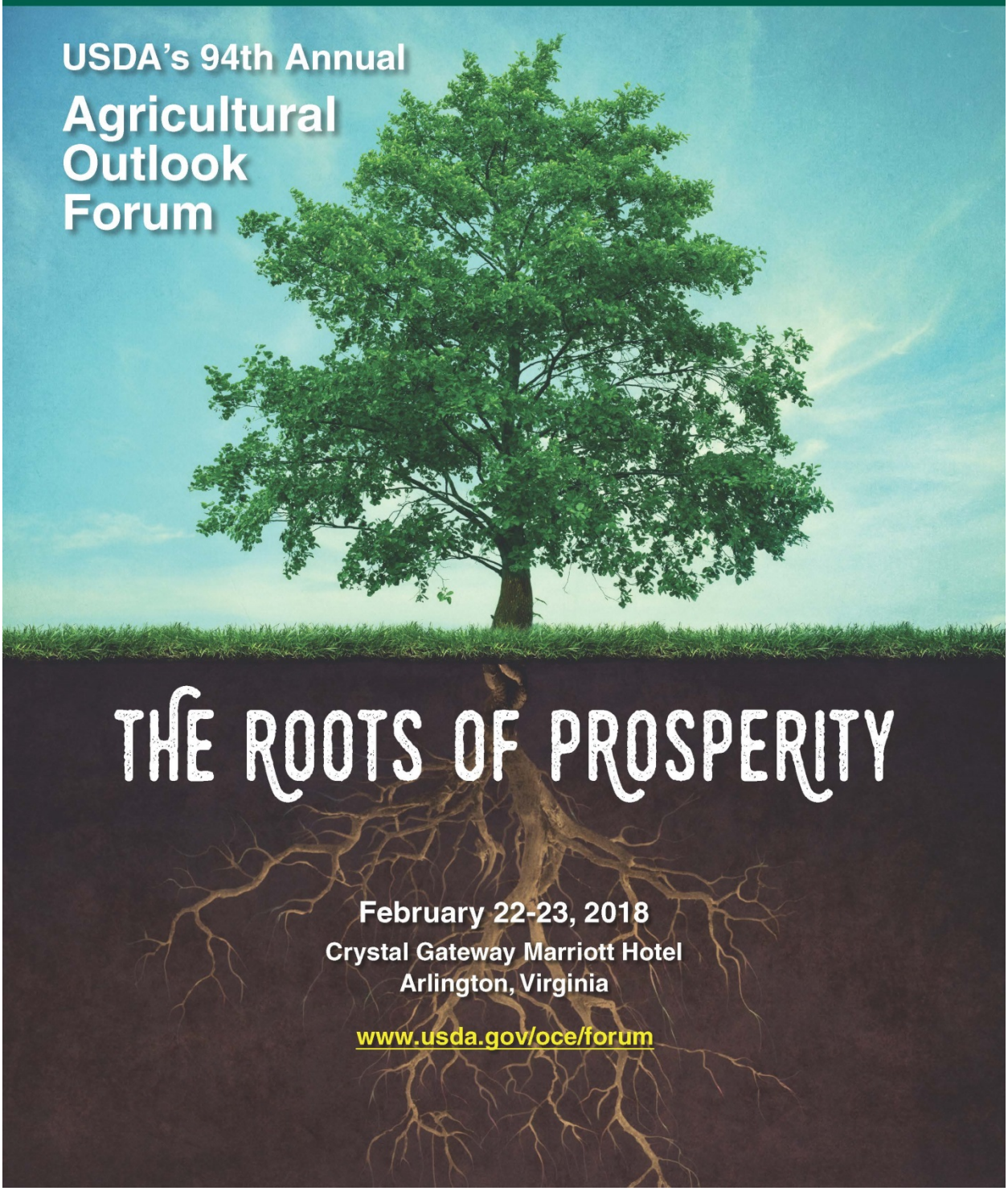

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