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Agriculture

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# Crop Production 2015 Summary

## January 2016

# USDA





**Corn** for grain production is estimated at 13.6 billion bushels, down slightly from the November forecast and down 4 percent from the 2014 estimate. The average yield in the United States is estimated at 168.4 bushels per acre. This is down 0.9 bushel from the November forecast and 2.6 bushels below the 2014 average yield of 171.0 bushels per acre. Area harvested for grain is estimated at 80.7 million acres, up slightly from the November forecast but down 3 percent from the 2014 acreage.

**Sorghum** grain production in 2015 is estimated at 597 million bushels, up slightly from the November forecast and up 38 percent from the 2014 total. Planted area for 2015 is estimated at 8.46 million acres, up 19 percent from the previous year. Area harvested for grain, at 7.85 million acres, is up 23 percent from 2014. Average grain yield, at 76.0 bushels per acre, is down 1.7 bushels from the previous forecast but up 8.4 bushels from 2014 and represents a record high yield for the United States.

**Rice:** Production in 2015 is estimated at 192 million cwt, up less than 1 percent from the previous forecast but down 13 percent from the revised 2014 total. Planted area for 2014 is estimated at 2.61 million acres, down 12 percent from 2014. Area harvested, at 2.58 million acres, is also down 12 percent from the previous crop year. The average yield for all United States rice is estimated at 7,470 pounds per acre, up 47 pounds from the previous forecast but 106 pounds below the 2014 United States average of 7,576 pounds per acre. A record high yield is estimated for California.

**Soybean** production in 2015 totaled a record 3.93 billion bushels, down 1 percent from the November forecast but up slightly from 2014. The average yield per acre is estimated at a record high 48.0 bushels, 0.3 bushel below the November forecast but 0.5 bushel above the 2014 yield. Harvested area is down less than 1 percent from last year's record acreage to 81.8 million acres.

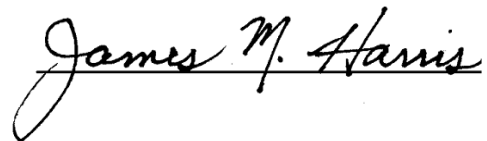
**All cotton** production is estimated at 12.9 million 480-pound bales, down less than 1 percent from the December forecast and down 21 percent from 2014. The United States yield is estimated at 769 pounds per acre, up 1 pound from the December forecast but down 69 pounds from last year. Harvested area, at 8.08 million acres, is down less than 1 percent from the December forecast and down 14 percent from last year.

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This report was approved on January 12, 2016.



Secretary of Agriculture  
Designate  
Robert Johansson



Agricultural Statistics Board  
Chairperson  
James M. Harris

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## Principal Crops Area Planted and Harvested – States and United States: 2013-2015

[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		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	2,425	2,360	2,320	2,326	2,275	2,224
Arizona .....	740	701	715	728	692	704
Arkansas .....	7,692	7,463	7,112	7,565	7,337	6,923
California .....	3,919	3,405	2,987	3,422	2,918	2,568
Colorado .....	5,916	6,188	5,987	4,868	5,597	5,611
Connecticut .....	74	79	79	70	75	74
Delaware .....	492	495	461	472	476	442
Florida .....	1,190	1,170	1,158	1,166	1,146	1,130
Georgia .....	3,863	3,795	3,694	3,557	3,496	3,367
Hawaii .....	18	16	19	18	16	19
Idaho .....	4,532	4,302	4,109	4,378	4,113	3,944
Illinois .....	23,110	23,025	22,616	22,934	22,843	22,388
Indiana .....	12,320	12,360	12,065	12,235	12,255	11,895
Iowa .....	24,320	24,876	24,655	23,941	24,605	24,422
Kansas .....	23,524	23,007	23,320	21,981	21,904	22,557
Kentucky .....	6,387	6,267	6,243	6,267	6,122	6,073
Louisiana .....	3,580	3,587	3,392	3,545	3,545	3,320
Maine .....	269	277	260	259	271	254
Maryland .....	1,612	1,617	1,582	1,494	1,487	1,462
Massachusetts .....	104	95	112	101	92	109
Michigan .....	6,524	6,618	6,419	6,438	6,487	6,319
Minnesota .....	19,450	19,741	20,015	19,053	19,324	19,701
Mississippi .....	4,504	4,308	4,274	4,443	4,248	4,193
Missouri .....	14,634	14,094	12,081	14,398	13,832	11,751
Montana .....	9,511	9,967	9,331	9,080	9,446	8,917
Nebraska .....	19,518	19,544	19,653	18,779	19,146	19,175
Nevada .....	383	455	334	366	443	330
New Hampshire .....	64	69	63	63	68	62
New Jersey .....	313	331	314	305	320	304
New Mexico .....	975	983	975	582	677	768
New York .....	3,148	3,051	2,839	3,093	2,994	2,782
North Carolina .....	5,055	5,070	4,751	4,901	4,952	4,584
North Dakota .....	20,377	23,004	23,710	19,989	22,205	23,308
Ohio .....	10,114	10,034	9,974	10,019	9,894	9,843
Oklahoma .....	10,497	10,781	10,116	7,874	7,834	8,336
Oregon .....	2,144	2,086	2,106	2,099	2,048	2,059
Pennsylvania .....	3,671	3,789	3,568	3,566	3,679	3,488
Rhode Island .....	11	10	9	11	10	9
South Carolina .....	1,614	1,674	1,624	1,562	1,633	1,367
South Dakota .....	17,858	17,816	18,100	16,875	17,335	17,253
Tennessee .....	5,296	5,155	4,926	5,164	5,045	4,811
Texas .....	24,119	23,473	21,603	16,249	17,476	18,194
Utah .....	1,026	937	902	964	893	864
Vermont .....	272	277	237	265	270	233
Virginia .....	2,899	2,816	2,705	2,782	2,715	2,581
Washington .....	3,702	3,891	3,645	3,640	3,786	3,553
West Virginia .....	675	706	676	671	701	669
Wisconsin .....	7,951	8,089	7,999	7,613	7,868	7,840
Wyoming .....	1,425	1,478	1,497	1,353	1,415	1,454
United States <sup>1</sup> .....	324,869	326,438	318,512	303,717	308,245	304,532

<sup>1</sup> States do not add to United States due to canola, potato, and rye unallocated acreage.

**Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2013-2015**

State	Area planted for all purposes			Area harvested for grain		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Alabama .....	320	300	260	295	285	245
Arizona .....	85	75	70	51	28	34
Arkansas .....	880	540	460	870	530	445
California .....	600	520	430	180	95	60
Colorado .....	1,220	1,150	1,100	980	1,010	950
Connecticut <sup>1</sup> .....	27	26	26	(NA)	(NA)	(NA)
Delaware .....	180	175	170	174	168	164
Florida .....	115	75	80	78	40	50
Georgia .....	510	350	330	465	310	285
Idaho .....	350	320	280	115	80	70
Illinois .....	12,000	11,900	11,700	11,800	11,750	11,500
Indiana .....	6,000	5,900	5,650	5,830	5,770	5,480
Iowa .....	13,600	13,700	13,500	13,050	13,300	13,050
Kansas .....	4,300	4,050	4,150	4,000	3,800	3,920
Kentucky .....	1,530	1,520	1,400	1,430	1,430	1,310
Louisiana .....	680	400	400	670	390	390
Maine <sup>1</sup> .....	31	31	31	(NA)	(NA)	(NA)
Maryland .....	480	500	440	420	430	380
Massachusetts <sup>1</sup> .....	16	16	16	(NA)	(NA)	(NA)
Michigan .....	2,600	2,550	2,350	2,230	2,210	2,070
Minnesota .....	8,600	8,200	8,100	8,140	7,550	7,600
Mississippi .....	860	510	510	830	485	490
Missouri .....	3,350	3,500	3,250	3,200	3,380	3,080
Montana .....	120	130	105	75	75	50
Nebraska .....	9,950	9,300	9,400	9,550	8,950	9,150
Nevada <sup>1</sup> .....	7	4	2	(NA)	(NA)	(NA)
New Hampshire <sup>1</sup> .....	14	15	15	(NA)	(NA)	(NA)
New Jersey .....	90	85	80	80	79	72
New Mexico .....	120	125	125	38	48	40
New York .....	1,200	1,140	1,080	690	680	590
North Carolina .....	930	840	790	860	780	730
North Dakota .....	3,850	2,800	2,750	3,600	2,530	2,560
Ohio .....	3,900	3,700	3,550	3,730	3,470	3,260
Oklahoma .....	370	320	310	310	290	280
Oregon .....	80	80	65	36	39	30
Pennsylvania .....	1,480	1,460	1,340	1,090	1,030	940
Rhode Island <sup>1</sup> .....	2	2	2	(NA)	(NA)	(NA)
South Carolina .....	350	295	295	335	280	260
South Dakota .....	6,200	5,800	5,400	5,860	5,320	5,030
Tennessee .....	890	920	780	810	840	730
Texas .....	2,350	2,250	2,300	1,950	1,990	1,970
Utah .....	83	75	60	31	28	15
Vermont <sup>1</sup> .....	92	92	92	(NA)	(NA)	(NA)
Virginia .....	510	500	450	360	350	300
Washington .....	190	215	170	105	110	75
West Virginia .....	53	51	50	36	36	35
Wisconsin .....	4,100	4,000	4,000	3,030	3,110	3,000
Wyoming .....	100	90	85	67	60	59
United States .....	95,365	90,597	87,999	87,451	83,136	80,749

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: 2013-2015 (continued)**

State	Yield per acre			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama .....	147.0	159.0	147.0	43,365	45,315	36,015
Arizona .....	177.0	210.0	210.0	9,027	5,880	7,140
Arkansas .....	186.0	187.0	181.0	161,820	99,110	80,545
California .....	191.0	165.0	157.0	34,380	15,675	9,420
Colorado .....	131.0	146.0	142.0	128,380	147,460	134,900
Connecticut <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Delaware .....	166.0	200.0	192.0	28,884	33,600	31,488
Florida .....	133.0	135.0	141.0	10,374	5,400	7,050
Georgia .....	175.0	170.0	171.0	81,375	52,700	48,735
Idaho .....	181.0	200.0	207.0	20,815	16,000	14,490
Illinois .....	178.0	200.0	175.0	2,100,400	2,350,000	2,012,500
Indiana .....	177.0	188.0	150.0	1,031,910	1,084,760	822,000
Iowa .....	164.0	178.0	192.0	2,140,200	2,367,400	2,505,600
Kansas .....	126.0	149.0	148.0	504,000	566,200	580,160
Kentucky .....	170.0	158.0	172.0	243,100	225,940	225,320
Louisiana .....	173.0	183.0	171.0	115,910	71,370	66,690
Maine <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maryland .....	158.0	175.0	164.0	66,360	75,250	62,320
Massachusetts <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan .....	155.0	161.0	162.0	345,650	355,810	335,340
Minnesota .....	159.0	156.0	188.0	1,294,260	1,177,800	1,428,800
Mississippi .....	176.0	185.0	175.0	146,080	89,725	85,750
Missouri .....	136.0	186.0	142.0	435,200	628,680	437,360
Montana .....	115.0	100.0	110.0	8,625	7,500	5,500
Nebraska .....	169.0	179.0	185.0	1,613,950	1,602,050	1,692,750
Nevada <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Hampshire <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Jersey .....	139.0	157.0	147.0	11,120	12,403	10,584
New Mexico .....	190.0	195.0	180.0	7,220	9,360	7,200
New York .....	137.0	148.0	143.0	94,530	100,640	84,370
North Carolina .....	142.0	132.0	113.0	122,120	102,960	82,490
North Dakota .....	110.0	124.0	128.0	396,000	313,720	327,680
Ohio .....	174.0	176.0	153.0	649,020	610,720	498,780
Oklahoma .....	145.0	147.0	129.0	44,950	42,630	36,120
Oregon .....	188.0	190.0	188.0	6,768	7,410	5,640
Pennsylvania .....	146.0	154.0	147.0	159,140	158,620	138,180
Rhode Island <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
South Carolina .....	129.0	117.0	93.0	43,215	32,760	24,180
South Dakota .....	137.0	148.0	159.0	802,820	787,360	799,770
Tennessee .....	156.0	168.0	160.0	126,360	141,120	116,800
Texas .....	136.0	148.0	135.0	265,200	294,520	265,950
Utah .....	170.0	160.0	173.0	5,270	4,480	2,595
Vermont <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virginia .....	154.0	145.0	161.0	55,440	50,750	48,300
Washington .....	215.0	215.0	215.0	22,575	23,650	16,125
West Virginia .....	147.0	149.0	148.0	5,292	5,364	5,180
Wisconsin .....	145.0	156.0	164.0	439,350	485,160	492,000
Wyoming .....	127.0	138.0	159.0	8,509	8,280	9,381
United States .....	158.1	171.0	168.4	13,828,964	14,215,532	13,601,198

(NA) Not available.

<sup>1</sup> Area harvested for grain not estimated.

## Corn for Silage Area Harvested, Yield, and Production – States and United States: 2013-2015

State	Area harvested			Yield per acre			Production		
	2013	2014	2015	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
Alabama .....	9	9	9	17.0	17.0	15.0	153	153	135
Arizona .....	33	46	35	30.0	29.0	31.0	990	1,334	1,085
Arkansas .....	2	2	2	18.0	18.0	15.0	36	36	30
California .....	415	420	365	26.5	26.0	25.5	10,998	10,920	9,308
Colorado .....	100	110	120	23.0	25.0	25.5	2,300	2,750	3,060
Connecticut .....	23	22	21	19.0	20.0	18.5	437	440	389
Delaware .....	5	5	4	17.0	24.0	20.0	85	120	80
Florida .....	35	30	25	18.0	13.0	17.0	630	390	425
Georgia .....	35	35	40	20.0	19.5	22.0	700	683	880
Idaho .....	230	235	205	26.0	28.0	29.0	5,980	6,580	5,945
Illinois .....	100	80	90	19.0	22.0	20.0	1,900	1,760	1,800
Indiana .....	130	100	90	23.0	22.0	17.0	2,990	2,200	1,530
Iowa .....	390	310	340	19.0	20.0	24.0	7,410	6,200	8,160
Kansas .....	150	150	170	13.0	14.0	18.5	1,950	2,100	3,145
Kentucky .....	80	75	70	21.0	21.0	20.0	1,680	1,575	1,400
Louisiana .....	3	2	1	18.0	18.0	14.0	54	36	14
Maine .....	27	27	27	17.5	18.5	18.5	473	500	500
Maryland .....	55	60	45	21.0	22.0	22.0	1,155	1,320	990
Massachusetts .....	13	13	13	18.0	20.0	19.0	234	260	247
Michigan .....	350	320	260	17.5	20.5	19.0	6,125	6,560	4,940
Minnesota .....	380	500	450	16.5	18.0	21.5	6,270	9,000	9,675
Mississippi .....	10	10	10	16.0	14.0	16.0	160	140	160
Missouri .....	80	80	100	14.0	18.0	14.0	1,120	1,440	1,400
Montana .....	41	51	50	23.0	22.0	23.0	943	1,122	1,150
Nebraska .....	260	260	220	16.0	21.0	20.0	4,160	5,460	4,400
Nevada .....	6	3	2	24.0	20.0	24.0	144	60	48
New Hampshire .....	13	14	14	20.0	21.0	20.0	260	294	280
New Jersey .....	9	5	7	20.0	20.0	21.0	180	100	147
New Mexico .....	79	73	83	25.0	26.0	25.0	1,975	1,898	2,075
New York .....	500	450	480	17.0	18.0	17.0	8,500	8,100	8,160
North Carolina .....	45	50	50	17.0	19.0	16.0	765	950	800
North Dakota .....	140	230	150	12.0	14.5	14.0	1,680	3,335	2,100
Ohio .....	130	190	240	19.5	20.5	20.0	2,535	3,895	4,800
Oklahoma .....	37	20	15	21.0	17.0	17.0	777	340	255
Oregon .....	43	40	34	27.0	25.0	24.0	1,161	1,000	816
Pennsylvania .....	380	410	390	20.5	20.0	20.0	7,790	8,200	7,800
Rhode Island .....	2	2	2	20.5	20.0	17.0	41	40	34
South Carolina .....	10	11	13	18.0	14.0	14.0	180	154	182
South Dakota .....	280	400	330	13.0	15.5	16.0	3,640	6,200	5,280
Tennessee .....	60	60	40	19.0	21.0	18.0	1,140	1,260	720
Texas .....	220	210	250	19.0	22.0	21.0	4,180	4,620	5,250
Utah .....	49	45	42	23.0	22.0	23.0	1,127	990	966
Vermont .....	85	85	88	15.0	18.0	17.0	1,275	1,530	1,496
Virginia .....	125	125	125	20.0	19.5	21.0	2,500	2,438	2,625
Washington .....	85	105	95	27.0	28.0	26.0	2,295	2,940	2,470
West Virginia .....	16	14	14	19.0	18.0	18.0	304	252	252
Wisconsin .....	980	850	970	16.5	18.5	19.5	16,170	15,725	18,915
Wyoming .....	31	27	25	24.0	24.0	23.0	744	648	575
United States .....	6,281	6,371	6,221	18.8	20.1	20.4	118,296	128,048	126,894

## Corn for Grain Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in 10 corn producing States during 2015. 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: 2011-2015

State and month	2011	2012	2013	2014	2015	State and month	2011	2012	2013	2014	2015
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Illinois</b>						<b>Nebraska</b>					
September .....	30,450	29,700	30,700	30,900	31,800	All corn					
October .....	30,450	29,750	(NA)	30,800	31,750	September ....	25,400	26,150	26,000	26,450	26,650
November .....	30,400	29,750	30,850	30,700	31,750	October .....	25,400	26,150	(NA)	26,450	26,750
Final .....	30,450	29,800	30,850	30,700	31,750	November .....	25,450	26,150	26,100	26,200	26,700
						Final .....	25,450	26,150	26,100	26,200	26,700
<b>Indiana</b>						Irrigated					
September .....	29,200	29,250	30,250	31,200	30,400	September ....	28,150	29,100	29,150	28,850	29,100
October .....	29,200	29,200	(NA)	31,000	30,100	October .....	28,200	29,000	(NA)	28,850	29,300
November .....	29,150	29,200	30,400	30,850	30,000	November .....	28,250	29,000	29,300	28,700	29,250
Final .....	29,150	29,200	30,450	30,850	29,950	Final .....	28,250	29,000	29,250	28,700	29,250
<b>Iowa</b>						Non-irrigated					
September .....	30,850	30,150	30,250	30,850	31,500	September ....	21,250	21,600	21,000	22,650	23,500
October .....	30,750	30,100	(NA)	30,800	31,450	October .....	21,200	21,850	(NA)	22,550	23,550
November .....	30,750	30,100	30,000	30,800	31,450	November .....	21,200	21,850	21,050	22,250	23,550
Final .....	30,750	30,100	30,050	30,800	31,450	Final .....	21,200	21,850	21,050	22,250	23,550
<b>Kansas</b>						<b>Ohio</b>					
September .....	21,500	23,050	22,900	23,750	23,400	September .....	29,550	29,200	28,800	29,600	30,000
October .....	21,550	23,200	(NA)	23,550	23,750	October .....	29,350	29,100	(NA)	29,700	30,000
November .....	21,500	23,200	22,850	23,550	23,800	November .....	29,350	29,100	28,700	29,600	29,950
Final .....	21,500	23,200	22,850	23,550	23,800	Final .....	29,350	29,100	28,650	29,600	29,950
<b>Minnesota</b>						<b>South Dakota</b>					
September .....	30,250	30,000	31,350	31,400	30,650	September .....	25,300	24,200	25,300	24,550	26,350
October .....	30,200	30,000	(NA)	31,350	30,750	October .....	25,250	23,900	(NA)	24,250	26,250
November .....	30,250	30,000	30,950	31,150	30,750	November .....	25,500	24,000	25,100	24,150	26,200
Final .....	30,250	30,000	30,950	31,250	30,750	Final .....	25,500	24,000	25,100	24,150	26,200
<b>Missouri</b>						<b>Wisconsin</b>					
September .....	25,850	26,650	27,700	27,650	27,900	September .....	29,000	29,000	29,050	30,000	29,900
October .....	25,800	26,550	(NA)	27,400	27,600	October .....	28,900	28,550	(NA)	29,900	29,700
November .....	25,800	26,550	27,800	27,500	27,600	November .....	28,950	28,600	29,150	30,000	29,450
Final .....	25,800	26,550	27,850	27,500	27,600	Final .....	28,950	28,600	29,150	30,050	29,450

(NA) Not available.

**Corn for Grain Number of Ears per Acre – Selected States: 2011-2015**

State and month	2011	2012	2013	2014	2015	State and month	2011	2012	2013	2014	2015
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Illinois</b>						<b>Nebraska</b>					
September .....	29,650	24,000	29,900	30,300	30,800	All corn .....					
October .....	29,550	24,250	(NA)	30,300	30,750	September ...	24,500	24,500	26,050	26,500	26,650
November .....	29,550	24,250	30,150	30,100	30,800	October .....	24,350	24,050	(NA)	26,450	26,700
Final .....	29,600	24,300	30,150	30,100	30,800	November ....	24,350	24,050	25,700	26,200	26,700
						Final .....	24,350	24,050	25,700	26,200	26,700
<b>Indiana</b>						<b>Irrigated</b>					
September .....	27,950	26,500	29,850	30,850	29,550	September ...	26,950	28,600	29,150	28,750	29,000
October .....	27,800	26,150	(NA)	30,650	29,300	October .....	26,800	28,300	(NA)	28,900	29,250
November .....	27,750	26,150	29,750	30,450	29,250	November ....	26,800	28,300	28,700	28,700	29,200
Final .....	27,750	26,150	29,850	30,450	29,150	Final .....	26,800	28,300	28,700	28,700	29,200
<b>Iowa</b>						<b>Non-irrigated</b>					
September .....	30,100	28,250	29,700	30,350	30,950	September ...	20,800	18,250	21,200	22,900	23,650
October .....	30,050	28,150	(NA)	30,150	30,800	October .....	20,650	17,600	(NA)	22,550	23,550
November .....	30,050	28,150	29,500	30,150	30,850	November ....	20,650	17,550	20,950	22,250	23,550
Final .....	30,050	28,150	29,550	30,150	30,850	Final .....	20,650	17,550	20,950	22,250	23,550
<b>Kansas</b>						<b>Ohio</b>					
September .....	20,900	20,350	22,500	24,450	23,300	September ....	28,700	27,700	28,350	29,200	29,650
October .....	20,650	20,550	(NA)	24,000	23,700	October .....	28,950	27,150	(NA)	29,700	29,650
November .....	20,650	20,550	22,200	24,000	23,650	November .....	29,150	27,100	28,200	29,600	29,600
Final .....	20,650	20,550	22,200	24,000	23,650	Final .....	29,150	27,100	28,300	29,600	29,600
<b>Minnesota</b>						<b>South Dakota</b>					
September .....	29,750	29,450	30,750	31,050	30,500	September ....	25,800	22,150	25,600	24,850	26,200
October .....	29,300	29,400	(NA)	31,050	30,400	October .....	25,150	21,550	(NA)	24,400	25,900
November .....	29,350	29,400	30,850	30,750	30,450	November .....	25,250	21,550	25,300	24,450	25,750
Final .....	29,350	29,400	30,850	30,950	30,450	Final .....	25,250	21,550	25,300	24,450	25,750
<b>Missouri</b>						<b>Wisconsin</b>					
September .....	24,600	23,050	26,950	27,800	27,350	September ....	28,650	27,650	28,900	30,000	29,500
October .....	24,650	22,900	(NA)	27,950	26,900	October .....	28,650	27,300	(NA)	29,750	28,950
November .....	24,550	22,900	27,050	27,900	26,850	November .....	28,650	27,100	28,900	29,550	28,600
Final .....	24,550	22,900	27,100	27,900	26,850	Final .....	28,650	27,150	28,850	29,700	28,600

(NA) Not available.

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**Sorghum Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2013-2015**

State	Area planted for all purposes			Area harvested for grain		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona .....	33	25	24	17	8	4
Arkansas .....	130	170	450	125	165	440
Colorado .....	400	345	440	240	280	400
Georgia .....	55	40	50	40	23	34
Illinois .....	23	23	38	20	21	34
Kansas .....	3,150	2,850	3,400	2,850	2,700	3,200
Louisiana .....	115	100	77	113	96	74
Mississippi .....	65	110	120	62	105	115
Missouri .....	70	85	155	60	73	140
Nebraska .....	250	210	270	145	160	240
New Mexico .....	125	110	125	68	60	90
Oklahoma .....	320	370	440	270	310	410
South Dakota .....	340	200	270	275	150	220
Texas .....	3,000	2,500	2,600	2,300	2,250	2,450
United States .....	8,076	7,138	8,459	6,585	6,401	7,851

State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona .....	75.0	100.0	92.0	1,275	800	368
Arkansas .....	102.0	97.0	98.0	12,750	16,005	43,120
Colorado .....	24.0	30.0	55.0	5,760	8,400	22,000
Georgia .....	50.0	41.0	48.0	2,000	943	1,632
Illinois .....	94.0	106.0	94.0	1,880	2,226	3,196
Kansas .....	59.0	74.0	88.0	168,150	199,800	281,600
Louisiana .....	107.0	93.0	85.0	12,091	8,928	6,290
Mississippi .....	94.0	80.0	79.0	5,828	8,400	9,085
Missouri .....	82.0	101.0	94.0	4,920	7,373	13,160
Nebraska .....	67.0	82.0	96.0	9,715	13,120	23,040
New Mexico .....	34.0	42.0	47.0	2,312	2,520	4,230
Oklahoma .....	55.0	56.0	52.0	14,850	17,360	21,320
South Dakota .....	80.0	63.0	83.0	22,000	9,450	18,260
Texas .....	56.0	61.0	61.0	128,800	137,250	149,450
United States .....	59.6	67.6	76.0	392,331	432,575	596,751

## Sorghum for Silage Area Harvested, Yield, and Production – States and United States: 2013-2015

State	Area harvested			Yield per acre			Production		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (tons)	2014 (tons)	2015 (tons)	2013 (1,000 tons)	2014 (1,000 tons)	2015 (1,000 tons)
Arizona .....	15	17	20	22.0	23.0	22.0	330	391	440
Arkansas .....	1	2	2	17.0	17.0	9.0	17	34	18
Colorado .....	30	10	10	13.0	11.0	14.0	390	110	140
Georgia .....	10	14	12	10.0	11.0	12.0	100	154	144
Illinois .....	2	1	2	16.0	18.0	15.0	32	18	30
Kansas .....	110	70	105	14.0	11.0	15.0	1,540	770	1,575
Louisiana .....	1	1	1	14.0	13.0	11.0	14	13	11
Mississippi .....	2	2	2	14.0	12.0	8.0	28	24	16
Missouri .....	8	10	10	17.0	17.0	19.0	136	170	190
Nebraska .....	30	20	10	10.0	12.0	12.5	300	240	125
New Mexico .....	16	33	29	13.0	13.0	12.0	208	429	348
Oklahoma .....	10	15	15	20.0	10.0	12.0	200	150	180
South Dakota .....	25	20	18	13.0	11.0	13.5	325	220	243
Texas .....	120	100	70	15.0	14.0	14.5	1,800	1,400	1,015
United States .....	380	315	306	14.3	13.1	14.6	5,420	4,123	4,475

**Oat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted <sup>1</sup>			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Alabama .....	60	50	55	20	15	20
Arkansas .....	11	12	11	7	8	8
California .....	150	120	120	15	10	10
Colorado .....	55	45	45	12	9	10
Georgia .....	50	60	65	18	20	25
Idaho .....	70	70	75	15	15	15
Illinois .....	40	35	40	25	25	25
Indiana .....	20	20	15	10	10	5
Iowa .....	220	145	125	60	55	57
Kansas .....	100	85	95	20	15	40
Maine .....	28	32	30	26	31	29
Michigan .....	50	55	75	30	40	50
Minnesota .....	240	230	280	105	125	160
Missouri .....	30	25	30	14	13	14
Montana .....	50	45	50	22	16	22
Nebraska .....	150	110	135	25	30	40
New York .....	75	55	70	46	40	40
North Carolina .....	35	33	35	13	17	16
North Dakota .....	225	235	275	135	105	140
Ohio .....	50	50	70	25	35	40
Oklahoma .....	60	60	40	7	10	7
Oregon .....	30	30	35	13	18	11
Pennsylvania .....	95	90	95	50	60	65
South Carolina .....	20	21	24	9	10	9
South Dakota .....	260	250	325	120	100	145
Texas .....	450	450	520	40	45	55
Utah .....	40	20	20	5	3	2
Virginia .....	10	10	12	2	3	4
Washington .....	20	25	18	5	5	5
Wisconsin .....	255	255	280	105	140	195
Wyoming .....	31	30	23	10	7	12
United States .....	2,980	2,753	3,088	1,009	1,035	1,276

See footnote(s) at end of table.

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**Oat Area Planted and Harvested, Yield, and Production – States and United States:  
2013-2015 (continued)**

State	Yield per acre			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama .....	60.0	65.0	50.0	1,200	975	1,000
Arkansas .....	73.0	90.0	60.0	511	720	480
California .....	80.0	100.0	60.0	1,200	1,000	600
Colorado .....	65.0	60.0	80.0	780	540	800
Georgia .....	60.0	54.0	45.0	1,080	1,080	1,125
Idaho .....	73.0	82.0	86.0	1,095	1,230	1,290
Illinois .....	69.0	80.0	77.0	1,725	2,000	1,925
Indiana .....	71.0	74.0	59.0	710	740	295
Iowa .....	66.0	64.0	73.0	3,960	3,520	4,161
Kansas .....	42.0	56.0	65.0	840	840	2,600
Maine .....	67.0	70.0	80.0	1,742	2,170	2,320
Michigan .....	62.0	69.0	67.0	1,860	2,760	3,350
Minnesota .....	57.0	63.0	78.0	5,985	7,875	12,480
Missouri .....	53.0	65.0	65.0	742	845	910
Montana .....	54.0	69.0	53.0	1,188	1,104	1,166
Nebraska .....	65.0	80.0	67.0	1,625	2,400	2,680
New York .....	67.0	63.0	58.0	3,082	2,520	2,320
North Carolina .....	70.0	67.0	66.0	910	1,139	1,056
North Dakota .....	62.0	73.0	74.0	8,370	7,665	10,360
Ohio .....	63.0	63.0	63.0	1,575	2,205	2,520
Oklahoma .....	38.0	38.0	39.0	266	380	273
Oregon .....	100.0	85.0	88.0	1,300	1,530	968
Pennsylvania .....	62.0	58.0	55.0	3,100	3,480	3,575
South Carolina .....	59.0	62.0	58.0	531	620	522
South Dakota .....	77.0	93.0	87.0	9,240	9,300	12,615
Texas .....	46.0	38.0	48.0	1,840	1,710	2,640
Utah .....	62.0	69.0	85.0	310	207	170
Virginia .....	70.0	78.0	76.0	140	234	304
Washington .....	68.0	70.0	54.0	340	350	270
Wisconsin .....	65.0	62.0	72.0	6,825	8,680	14,040
Wyoming .....	57.0	59.0	60.0	570	413	720
United States .....	64.1	67.9	70.2	64,642	70,232	89,535

<sup>1</sup> Includes area planted in preceding fall.

**Barley Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted <sup>1</sup>			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Arizona .....	75	36	17	69	32	16
California .....	95	80	70	42	25	25
Colorado .....	63	57	65	58	54	63
Delaware .....	43	41	32	33	31	22
Idaho .....	650	600	580	620	550	550
Kansas .....	17	16	13	11	10	8
Maine .....	20	13	13	17	12	12
Maryland .....	75	70	50	52	45	35
Michigan .....	10	9	11	9	8	6
Minnesota .....	90	75	135	75	60	120
Montana .....	990	920	970	830	770	850
New York .....	11	12	11	8	8	9
North Carolina .....	19	20	19	14	15	14
North Dakota .....	760	620	1,120	720	535	1,050
Oregon .....	63	50	49	50	38	37
Pennsylvania .....	75	70	55	60	50	40
South Dakota .....	37	28	37	19	17	19
Utah .....	40	32	27	30	20	16
Virginia .....	72	56	46	44	28	16
Washington .....	205	115	110	195	105	100
Wisconsin .....	33	26	28	16	16	15
Wyoming .....	85	85	100	68	68	86
United States .....	3,528	3,031	3,558	3,040	2,497	3,109

See footnote(s) at end of table.

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**Barley Area Planted and Harvested, Yield, and Production – States and United States:  
2013-2015 (continued)**

State	Yield per acre			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Arizona .....	118.0	125.0	120.0	8,142	4,000	1,920
California .....	75.0	73.0	55.0	3,150	1,825	1,375
Colorado .....	133.0	124.0	130.0	7,714	6,696	8,190
Delaware .....	78.0	86.0	80.0	2,574	2,666	1,760
Idaho .....	93.0	94.0	97.0	57,660	51,700	53,350
Kansas .....	47.0	35.0	39.0	517	350	312
Maine .....	53.0	68.0	85.0	901	816	1,020
Maryland .....	85.0	77.0	69.0	4,420	3,465	2,415
Michigan .....	52.0	53.0	56.0	468	424	336
Minnesota .....	69.0	52.0	77.0	5,175	3,120	9,240
Montana .....	52.0	58.0	52.0	43,160	44,660	44,200
New York .....	52.0	47.0	45.0	416	376	405
North Carolina .....	67.0	71.0	72.0	938	1,065	1,008
North Dakota .....	64.0	67.0	64.0	46,080	35,845	67,200
Oregon .....	70.0	50.0	52.0	3,500	1,900	1,924
Pennsylvania .....	68.0	71.0	65.0	4,080	3,550	2,600
South Dakota .....	54.0	52.0	37.0	1,026	884	703
Utah .....	78.0	83.0	84.0	2,340	1,660	1,344
Virginia .....	82.0	79.0	75.0	3,608	2,212	1,200
Washington .....	72.0	60.0	48.0	14,040	6,300	4,800
Wisconsin .....	49.0	47.0	55.0	784	752	825
Wyoming .....	89.0	107.0	95.0	6,052	7,276	8,170
United States .....	71.3	72.7	68.9	216,745	181,542	214,297

<sup>1</sup> Includes area planted in preceding fall.

**All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted <sup>1</sup>			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Alabama .....	310	255	260	285	225	220
Arizona .....	87	85	150	84	83	142
Arkansas .....	680	465	350	610	395	240
California .....	690	530	465	394	220	210
Colorado .....	2,310	2,759	2,408	1,639	2,358	2,147
Delaware .....	85	80	70	78	75	65
Florida .....	25	15	25	19	10	15
Georgia .....	430	300	215	360	230	145
Idaho .....	1,321	1,271	1,200	1,261	1,196	1,135
Illinois .....	880	740	540	840	670	520
Indiana .....	460	390	290	435	335	260
Iowa .....	30	26	20	21	15	15
Kansas .....	9,500	9,600	9,200	8,450	8,800	8,700
Kentucky .....	700	630	560	610	510	440
Louisiana .....	265	160	110	255	150	92
Maryland .....	345	340	355	260	250	270
Michigan .....	620	550	510	590	470	475
Minnesota .....	1,227	1,262	1,532	1,184	1,212	1,473
Mississippi .....	400	230	150	385	215	120
Missouri .....	1,080	880	760	985	740	610
Montana .....	5,400	5,985	5,520	5,165	5,650	5,265
Nebraska .....	1,470	1,550	1,490	1,140	1,450	1,210
Nevada .....	31	21	12	15	10	8
New Jersey .....	34	33	27	29	25	20
New Mexico .....	440	380	385	100	105	190
New York .....	125	120	120	115	95	110
North Carolina .....	990	830	650	925	770	570
North Dakota .....	6,105	7,960	7,990	6,025	7,490	7,915
Ohio .....	660	620	520	640	545	480
Oklahoma .....	5,600	5,300	5,300	3,400	2,800	3,800
Oregon .....	880	830	835	868	818	828
Pennsylvania .....	185	185	195	155	150	175
South Carolina .....	280	230	170	265	220	160
South Dakota .....	2,494	2,514	2,756	1,839	2,364	2,236
Tennessee .....	640	530	455	575	475	395
Texas .....	6,300	6,000	6,000	2,350	2,250	3,550
Utah .....	138	130	125	124	117	119
Virginia .....	335	290	260	290	260	210
Washington .....	2,210	2,320	2,280	2,175	2,250	2,215
West Virginia .....	9	10	9	7	7	4
Wisconsin .....	315	295	230	265	250	210
Wyoming .....	150	140	145	120	125	130
United States .....	56,236	56,841	54,644	45,332	46,385	47,094

See footnote(s) at end of table.

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**All Wheat Area Planted and Harvested, Yield, and Production – States and United States:  
2013-2015 (continued)**

State	Yield per acre			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama .....	69.0	69.0	68.0	19,665	15,525	14,960
Arizona .....	99.4	110.1	101.0	8,348	9,136	14,346
Arkansas .....	62.0	63.0	56.0	37,820	24,885	13,440
California .....	82.5	83.4	79.4	32,500	18,350	16,680
Colorado .....	25.3	38.1	37.1	41,488	89,812	79,635
Delaware .....	64.0	72.0	65.0	4,992	5,400	4,225
Florida .....	59.0	39.0	43.0	1,121	390	645
Georgia .....	60.0	49.0	43.0	21,600	11,270	6,235
Idaho .....	82.2	78.4	77.4	103,592	93,717	87,850
Illinois .....	67.0	67.0	65.0	56,280	44,890	33,800
Indiana .....	73.0	76.0	68.0	31,755	25,460	17,680
Iowa .....	52.0	49.0	52.0	1,092	735	780
Kansas .....	38.0	28.0	37.0	321,100	246,400	321,900
Kentucky .....	75.0	71.0	73.0	45,750	36,210	32,120
Louisiana .....	58.0	62.0	39.0	14,790	9,300	3,588
Maryland .....	67.0	70.0	64.0	17,420	17,500	17,280
Michigan .....	75.0	74.0	81.0	44,250	34,780	38,475
Minnesota .....	56.7	54.8	59.9	67,152	66,468	88,294
Mississippi .....	58.0	58.0	48.0	22,330	12,470	5,760
Missouri .....	57.0	58.0	53.0	56,145	42,920	32,330
Montana .....	39.0	37.1	35.2	201,635	209,470	185,415
Nebraska .....	35.0	49.0	38.0	39,900	71,050	45,980
Nevada .....	87.0	105.0	81.3	1,305	1,050	650
New Jersey .....	54.0	53.0	50.0	1,566	1,325	1,000
New Mexico .....	44.0	28.0	25.0	4,400	2,940	4,750
New York .....	68.0	63.0	63.0	7,820	5,985	6,930
North Carolina .....	57.0	58.0	53.0	52,725	44,660	30,210
North Dakota .....	45.4	46.3	46.7	273,343	347,068	370,023
Ohio .....	70.0	74.0	67.0	44,800	40,330	32,160
Oklahoma .....	31.0	17.0	26.0	105,400	47,600	98,800
Oregon .....	62.1	54.3	47.3	53,904	44,444	39,195
Pennsylvania .....	68.0	65.0	65.0	10,540	9,750	11,375
South Carolina .....	54.0	52.0	46.0	14,310	11,440	7,360
South Dakota .....	42.2	55.5	46.2	77,558	131,260	103,406
Tennessee .....	71.0	66.0	68.0	40,825	31,350	26,860
Texas .....	29.0	30.0	30.0	68,150	67,500	106,500
Utah .....	44.2	50.3	48.5	5,484	5,882	5,775
Virginia .....	62.0	68.0	66.0	17,980	17,680	13,860
Washington .....	66.9	48.2	50.4	145,530	108,460	111,540
West Virginia .....	52.0	64.0	60.0	364	448	240
Wisconsin .....	58.0	65.0	74.0	15,370	16,250	15,540
Wyoming .....	24.0	38.0	32.0	2,880	4,750	4,160
United States .....	47.1	43.7	43.6	2,134,979	2,026,310	2,051,752

<sup>1</sup> Includes area planted in preceding fall.

**Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted <sup>1</sup>			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Alabama .....	310	255	260	285	225	220
Arizona .....	12	8	5	10	7	2
Arkansas .....	680	465	350	610	395	240
California .....	620	490	400	345	190	150
Colorado .....	2,300	2,750	2,400	1,630	2,350	2,140
Delaware .....	85	80	70	78	75	65
Florida .....	25	15	25	19	10	15
Georgia .....	430	300	215	360	230	145
Idaho .....	780	780	750	740	730	700
Illinois .....	880	740	540	840	670	520
Indiana .....	460	390	290	435	335	260
Iowa .....	30	26	20	21	15	15
Kansas .....	9,500	9,600	9,200	8,450	8,800	8,700
Kentucky .....	700	630	560	610	510	440
Louisiana .....	265	160	110	255	150	92
Maryland .....	345	340	355	260	250	270
Michigan .....	620	550	510	590	470	475
Minnesota .....	27	42	52	24	32	43
Mississippi .....	400	230	150	385	215	120
Missouri .....	1,080	880	760	985	740	610
Montana .....	2,000	2,500	2,350	1,900	2,240	2,220
Nebraska .....	1,470	1,550	1,490	1,140	1,450	1,210
Nevada .....	23	15	8	12	9	6
New Jersey .....	34	33	27	29	25	20
New Mexico .....	440	380	385	100	105	190
New York .....	125	120	120	115	95	110
North Carolina .....	990	830	650	925	770	570
North Dakota .....	215	870	200	200	555	190
Ohio .....	660	620	520	640	545	480
Oklahoma .....	5,600	5,300	5,300	3,400	2,800	3,800
Oregon .....	790	750	740	780	740	735
Pennsylvania .....	185	185	195	155	150	175
South Carolina .....	280	230	170	265	220	160
South Dakota .....	1,300	1,210	1,420	670	1,080	970
Tennessee .....	640	530	455	575	475	395
Texas .....	6,300	6,000	6,000	2,350	2,250	3,550
Utah .....	120	120	115	110	109	110
Virginia .....	335	290	260	290	260	210
Washington .....	1,700	1,700	1,650	1,670	1,640	1,590
West Virginia .....	9	10	9	7	7	4
Wisconsin .....	315	295	230	265	250	210
Wyoming .....	150	140	145	120	125	130
United States .....	43,230	42,409	39,461	32,650	32,299	32,257

See footnote(s) at end of table.

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**Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States:  
2013-2015 (continued)**

State	Yield per acre			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama .....	69.0	69.0	68.0	19,665	15,525	14,960
Arizona .....	80.0	100.0	103.0	800	700	206
Arkansas .....	62.0	63.0	56.0	37,820	24,885	13,440
California .....	80.0	80.0	70.0	27,600	15,200	10,500
Colorado .....	25.0	38.0	37.0	40,750	89,300	79,180
Delaware .....	64.0	72.0	65.0	4,992	5,400	4,225
Florida .....	59.0	39.0	43.0	1,121	390	645
Georgia .....	60.0	49.0	43.0	21,600	11,270	6,235
Idaho .....	86.0	80.0	82.0	63,640	58,400	57,400
Illinois .....	67.0	67.0	65.0	56,280	44,890	33,800
Indiana .....	73.0	76.0	68.0	31,755	25,460	17,680
Iowa .....	52.0	49.0	52.0	1,092	735	780
Kansas .....	38.0	28.0	37.0	321,100	246,400	321,900
Kentucky .....	75.0	71.0	73.0	45,750	36,210	32,120
Louisiana .....	58.0	62.0	39.0	14,790	9,300	3,588
Maryland .....	67.0	70.0	64.0	17,420	17,500	17,280
Michigan .....	75.0	74.0	81.0	44,250	34,780	38,475
Minnesota .....	43.0	49.0	58.0	1,032	1,568	2,494
Mississippi .....	58.0	58.0	48.0	22,330	12,470	5,760
Missouri .....	57.0	58.0	53.0	56,145	42,920	32,330
Montana .....	43.0	41.0	41.0	81,700	91,840	91,020
Nebraska .....	35.0	49.0	38.0	39,900	71,050	45,980
Nevada .....	90.0	110.0	90.0	1,080	990	540
New Jersey .....	54.0	53.0	50.0	1,566	1,325	1,000
New Mexico .....	44.0	28.0	25.0	4,400	2,940	4,750
New York .....	68.0	63.0	63.0	7,820	5,985	6,930
North Carolina .....	57.0	58.0	53.0	52,725	44,660	30,210
North Dakota .....	43.0	49.0	44.0	8,600	27,195	8,360
Ohio .....	70.0	74.0	67.0	44,800	40,330	32,160
Oklahoma .....	31.0	17.0	26.0	105,400	47,600	98,800
Oregon .....	62.0	55.0	47.0	48,360	40,700	34,545
Pennsylvania .....	68.0	65.0	65.0	10,540	9,750	11,375
South Carolina .....	54.0	52.0	46.0	14,310	11,440	7,360
South Dakota .....	39.0	55.0	44.0	26,130	59,400	42,680
Tennessee .....	71.0	66.0	68.0	40,825	31,350	26,860
Texas .....	29.0	30.0	30.0	68,150	67,500	106,500
Utah .....	44.0	50.0	48.0	4,840	5,450	5,280
Virginia .....	62.0	68.0	66.0	17,980	17,680	13,860
Washington .....	69.0	52.0	56.0	115,230	85,280	89,040
West Virginia .....	52.0	64.0	60.0	364	448	240
Wisconsin .....	58.0	65.0	74.0	15,370	16,250	15,540
Wyoming .....	24.0	38.0	32.0	2,880	4,750	4,160
United States .....	47.3	42.6	42.5	1,542,902	1,377,216	1,370,188

<sup>1</sup> Includes area planted in preceding fall.

**Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado .....	10	9	8	9	8	7
Idaho .....	530	480	440	510	455	425
Minnesota .....	1,200	1,220	1,480	1,160	1,180	1,430
Montana .....	2,950	3,050	2,550	2,830	2,980	2,440
Nevada .....	8	6	4	3	1	2
North Dakota .....	5,100	6,250	6,700	5,060	6,140	6,650
Oregon .....	90	80	95	88	78	93
South Dakota .....	1,190	1,300	1,330	1,165	1,280	1,260
Utah .....	18	10	10	14	8	9
Washington .....	510	620	630	505	610	625
United States .....	11,606	13,025	13,247	11,344	12,740	12,941
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado .....	82.0	64.0	65.0	738	512	455
Idaho .....	77.0	76.0	70.0	39,270	34,580	29,750
Minnesota .....	57.0	55.0	60.0	66,120	64,900	85,800
Montana .....	37.0	35.0	31.0	104,710	104,300	75,640
Nevada .....	75.0	60.0	55.0	225	60	110
North Dakota .....	46.5	47.5	48.0	235,290	291,650	319,200
Oregon .....	63.0	48.0	50.0	5,544	3,744	4,650
South Dakota .....	44.0	56.0	48.0	51,260	71,680	60,480
Utah .....	46.0	54.0	55.0	644	432	495
Washington .....	60.0	38.0	36.0	30,300	23,180	22,500
United States .....	47.1	46.7	46.3	534,101	595,038	599,080



## Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona .....	75	77	145	74	76	140
California .....	70	40	65	49	30	60
Idaho .....	11	11	10	11	11	10
Montana .....	450	435	620	435	430	605
North Dakota .....	790	840	1,090	765	795	1,075
South Dakota .....	4	4	6	4	4	6
United States .....	1,400	1,407	1,936	1,338	1,346	1,896
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona .....	102.0	111.0	101.0	7,548	8,436	14,140
California .....	100.0	105.0	103.0	4,900	3,150	6,180
Idaho .....	62.0	67.0	70.0	682	737	700
Montana .....	35.0	31.0	31.0	15,225	13,330	18,755
North Dakota .....	38.5	35.5	39.5	29,453	28,223	42,463
South Dakota .....	42.0	45.0	41.0	168	180	246
United States .....	43.3	40.2	43.5	57,976	54,056	82,484

## Wheat Production by Class – United States: 2013-2015

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

Crop	2013	2014	2015
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Winter</b>			
Hard red .....	747,373	738,650	826,913
Soft red .....	568,481	454,531	359,055
Hard white .....	11,060	11,546	15,914
Soft white .....	215,988	172,489	168,306
<b>Spring</b>			
Hard red .....	490,629	555,543	564,107
Hard white .....	10,525	8,943	5,526
Soft white .....	32,947	30,552	29,447
Durum .....	57,976	54,056	82,484
<b>Total</b> .....	2,134,979	2,026,310	2,051,752

**Rice Area Planted and Harvested, Yield, and Production by Class – States and United States: 2013-2015**

Class and State	Area planted			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Long grain</b>						
Arkansas .....	955	1,270	1,060	950	1,265	1,045
California .....	6	4	7	6	4	7
Louisiana .....	396	396	355	392	393	351
Mississippi .....	125	190	150	124	189	149
Missouri .....	157	210	175	154	207	167
Texas .....	142	141	127	141	138	124
United States .....	1,781	2,211	1,874	1,767	2,196	1,843
<b>Medium grain</b>						
Arkansas .....	120	215	245	119	214	240
California .....	515	405	380	510	402	378
Louisiana .....	22	70	65	21	69	64
Mississippi .....	-	1	-	-	1	-
Missouri .....	2	6	7	2	6	7
Texas .....	3	9	6	3	8	6
United States .....	662	706	703	655	700	695
<b>Short grain <sup>1</sup></b>						
Arkansas .....	1	1	1	1	1	1
California .....	46	36	36	46	36	36
United States .....	47	37	37	47	37	37
<b>All rice</b>						
Arkansas .....	1,076	1,486	1,306	1,070	1,480	1,286
California .....	567	445	423	562	442	421
Louisiana .....	418	466	420	413	462	415
Mississippi .....	125	191	150	124	190	149
Missouri .....	159	216	182	156	213	174
Texas .....	145	150	133	144	146	130
United States .....	2,490	2,954	2,614	2,469	2,933	2,575

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:  
2013-2015 (continued)**

Class and State	Yield per acre			Production		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 cwt)	2014 (1,000 cwt)	2015 (1,000 cwt)
<b>Long grain</b>						
Arkansas .....	7,560	7,570	7,380	71,820	95,761	77,121
California .....	5,700	7,300	6,700	342	292	469
Louisiana .....	7,330	7,150	6,990	28,734	28,100	24,535
Mississippi .....	7,400	7,420	7,110	9,176	14,024	10,594
Missouri .....	7,030	6,830	7,040	10,826	14,138	11,757
Texas .....	7,800	7,500	6,900	10,998	10,350	8,556
United States .....	7,464	7,407	7,218	131,896	162,665	133,032
<b>Medium grain</b>						
Arkansas .....	7,570	7,540	7,150	9,008	16,136	17,160
California .....	8,670	8,800	9,100	44,217	35,376	34,398
Louisiana .....	6,670	7,020	6,650	1,401	4,844	4,256
Mississippi .....	-	7,200	-	-	72	-
Missouri .....	7,080	6,700	6,500	142	402	455
Texas .....	4,900	4,900	6,800	147	392	408
United States .....	8,384	8,175	8,155	54,915	57,222	56,677
<b>Short grain <sup>1</sup></b>						
Arkansas .....	6,000	6,000	6,000	60	60	60
California .....	6,700	6,300	7,150	3,082	2,268	2,574
United States .....	6,685	6,292	7,119	3,142	2,328	2,634
<b>All</b>						
Arkansas .....	7,560	7,560	7,340	80,888	111,957	94,341
California .....	8,480	8,580	8,890	47,641	37,936	37,441
Louisiana .....	7,300	7,130	6,940	30,135	32,944	28,791
Mississippi .....	7,400	7,420	7,110	9,176	14,096	10,594
Missouri .....	7,030	6,830	7,020	10,968	14,540	12,212
Texas .....	7,740	7,360	6,900	11,145	10,742	8,964
United States .....	7,694	7,576	7,470	189,953	222,215	192,343

- Represents zero.

<sup>1</sup> Sweet rice acreage, yield, and production included with short grain.

## Rye Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted <sup>1</sup>			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Georgia .....	190	170	210	40	20	30
Oklahoma .....	260	240	240	80	55	80
Other States <sup>2</sup> .....	1,001	1,024	1,119	158	183	250
United States .....	1,451	1,434	1,569	278	258	360
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Georgia .....	27.0	27.0	14.0	1,080	540	420
Oklahoma .....	20.0	9.0	24.0	1,600	495	1,920
Other States <sup>2</sup> .....	31.3	33.6	36.6	4,946	6,154	9,156
United States .....	27.4	27.9	31.9	7,626	7,189	11,496

<sup>1</sup> Includes area planted in preceding fall.

<sup>2</sup> Other States include Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin.

**Proso Millet Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado .....	370	310	270	330	250	260
Nebraska .....	160	120	105	143	111	97
South Dakota .....	190	75	70	165	69	61
United States .....	720	505	445	638	430	418
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado .....	25.0	32.5	34.5	8,250	8,125	8,970
Nebraska .....	32.0	29.0	34.0	4,576	3,219	3,298
South Dakota .....	34.0	31.0	31.0	5,610	2,139	1,891
United States .....	28.9	31.4	33.9	18,436	13,483	14,159

## All Hay Area Harvested, Yield, and Production – States and United States: 2013-2015

State	Area harvested			Yield per acre		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama .....	790	750	730	2.70	2.80	2.80
Arizona .....	285	300	335	7.65	8.03	7.99
Arkansas .....	1,335	1,225	1,125	2.10	2.01	2.00
California .....	1,370	1,345	1,180	5.58	5.59	5.74
Colorado .....	1,310	1,340	1,450	2.25	2.66	2.96
Connecticut .....	47	53	53	2.26	1.92	1.89
Delaware .....	18	13	14	3.28	2.62	3.14
Florida .....	300	320	290	2.20	2.60	2.80
Georgia .....	580	580	570	2.70	2.60	2.50
Idaho .....	1,480	1,390	1,330	3.36	3.51	3.65
Illinois .....	660	520	490	3.07	3.38	3.13
Indiana .....	640	600	560	2.80	3.25	2.96
Iowa .....	1,170	1,155	1,160	2.89	3.18	3.40
Kansas .....	2,750	2,300	2,450	2.38	2.17	2.40
Kentucky .....	2,400	2,265	2,370	2.29	2.10	2.40
Louisiana .....	400	470	430	2.20	2.70	2.50
Maine .....	135	150	135	1.46	1.55	2.02
Maryland .....	225	195	215	2.33	2.65	2.47
Massachusetts .....	84	75	92	2.12	1.72	1.73
Michigan .....	940	980	970	2.68	2.62	2.68
Minnesota .....	1,900	1,910	1,570	2.05	2.35	2.53
Mississippi .....	720	600	680	2.50	2.60	2.30
Missouri .....	4,030	3,480	2,960	1.97	2.04	2.16
Montana .....	2,800	2,730	2,500	1.95	1.97	1.87
Nebraska .....	2,500	2,580	2,700	1.97	2.34	2.36
Nevada .....	345	430	320	3.37	3.29	3.44
New Hampshire .....	50	54	48	2.50	1.74	2.04
New Jersey .....	97	106	102	2.42	2.46	1.76
New Mexico .....	230	305	280	4.18	3.93	3.90
New York .....	1,430	1,370	1,230	2.05	1.97	1.99
North Carolina .....	858	830	777	2.41	2.40	2.40
North Dakota .....	2,620	2,700	2,750	1.94	2.02	1.81
Ohio .....	1,000	960	1,080	2.50	2.82	2.34
Oklahoma .....	3,130	3,590	3,020	1.59	1.71	1.96
Oregon .....	1,020	1,030	1,060	3.14	3.08	2.90
Pennsylvania .....	1,260	1,400	1,290	2.32	2.28	2.33
Rhode Island .....	8	7	6	1.88	1.71	2.33
South Carolina .....	290	270	300	2.20	2.30	2.00
South Dakota .....	3,050	3,250	3,400	1.94	2.05	1.94
Tennessee .....	1,915	1,766	1,765	2.31	2.20	2.21
Texas .....	5,640	5,440	4,730	1.57	2.16	2.05
Utah .....	725	680	670	3.77	3.52	3.67
Vermont .....	180	185	145	1.72	1.68	1.94
Virginia .....	1,240	1,175	1,175	2.49	2.28	2.25
Washington .....	760	870	750	4.24	3.72	3.81
West Virginia .....	590	618	590	1.97	1.83	1.75
Wisconsin .....	1,600	1,640	1,510	2.35	2.97	2.70
Wyoming .....	990	1,060	1,080	2.11	2.12	2.14
United States .....	57,897	57,062	54,437	2.33	2.45	2.47

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**All Hay Area Harvested, Yield, and Production – States and United States: 2013-2015 (continued)**

State	Production		
	2013 (1,000 tons)	2014 (1,000 tons)	2015 (1,000 tons)
Alabama .....	2,133	2,100	2,044
Arizona .....	2,179	2,410	2,678
Arkansas .....	2,810	2,458	2,254
California .....	7,646	7,513	6,777
Colorado .....	2,941	3,566	4,295
Connecticut .....	106	102	100
Delaware .....	59	34	44
Florida .....	660	832	812
Georgia .....	1,566	1,508	1,425
Idaho .....	4,976	4,881	4,860
Illinois .....	2,024	1,755	1,533
Indiana .....	1,792	1,950	1,656
Iowa .....	3,377	3,675	3,939
Kansas .....	6,545	5,000	5,890
Kentucky .....	5,500	4,761	5,689
Louisiana .....	880	1,269	1,075
Maine .....	197	233	273
Maryland .....	524	517	532
Massachusetts .....	178	129	159
Michigan .....	2,518	2,570	2,604
Minnesota .....	3,895	4,486	3,979
Mississippi .....	1,800	1,560	1,564
Missouri .....	7,921	7,100	6,398
Montana .....	5,460	5,381	4,680
Nebraska .....	4,935	6,028	6,360
Nevada .....	1,161	1,416	1,100
New Hampshire .....	125	94	98
New Jersey .....	235	261	180
New Mexico .....	962	1,198	1,091
New York .....	2,930	2,698	2,449
North Carolina .....	2,064	1,996	1,868
North Dakota .....	5,090	5,460	4,975
Ohio .....	2,495	2,710	2,532
Oklahoma .....	4,971	6,121	5,914
Oregon .....	3,204	3,172	3,072
Pennsylvania .....	2,918	3,185	3,010
Rhode Island .....	15	12	14
South Carolina .....	638	621	600
South Dakota .....	5,905	6,665	6,580
Tennessee .....	4,427	3,893	3,901
Texas .....	8,880	11,746	9,720
Utah .....	2,730	2,396	2,459
Vermont .....	310	311	281
Virginia .....	3,084	2,675	2,645
Washington .....	3,223	3,234	2,856
West Virginia .....	1,165	1,132	1,035
Wisconsin .....	3,760	4,866	4,073
Wyoming .....	2,088	2,243	2,315
United States .....	135,002	139,923	134,388

**Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area harvested			Yield per acre		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (tons)	2014 (tons)	2015 (tons)
Arizona .....	250	260	300	8.10	8.50	8.40
Arkansas .....	5	5	5	3.30	3.60	2.70
California .....	830	825	790	7.00	6.90	6.90
Colorado .....	650	740	700	2.90	3.40	4.10
Connecticut .....	7	8	7	2.00	2.00	1.80
Delaware .....	6	4	4	3.50	2.70	2.70
Idaho .....	1,120	1,090	1,000	3.80	3.90	4.20
Illinois .....	340	270	230	3.60	4.00	3.50
Indiana .....	280	240	230	3.70	4.00	3.90
Iowa .....	730	810	770	3.30	3.60	3.90
Kansas .....	550	600	650	3.50	3.80	3.80
Kentucky .....	200	165	170	3.30	3.40	3.70
Maine .....	10	10	10	2.20	2.30	2.30
Maryland .....	30	35	35	3.80	3.80	4.40
Massachusetts .....	9	10	9	3.10	1.80	2.00
Michigan .....	610	640	660	3.10	2.90	3.10
Minnesota .....	950	1,100	1,050	2.60	2.90	2.70
Missouri .....	330	280	260	2.70	2.50	2.80
Montana .....	1,800	1,850	1,700	2.20	2.10	2.00
Nebraska .....	700	830	850	3.45	4.10	4.00
Nevada .....	210	280	200	4.50	4.20	4.30
New Hampshire .....	5	4	3	1.60	2.30	2.50
New Jersey .....	17	14	12	3.00	3.50	3.00
New Mexico .....	145	210	190	5.40	4.80	4.70
New York .....	350	290	280	2.20	2.60	2.30
North Carolina .....	8	10	7	3.00	2.80	2.80
North Dakota .....	1,620	1,650	1,500	2.00	2.10	1.90
Ohio .....	330	310	330	3.50	3.50	2.90
Oklahoma .....	230	290	220	2.70	2.90	2.70
Oregon .....	400	350	370	4.60	4.40	4.20
Pennsylvania .....	340	350	430	2.90	2.80	2.60
Rhode Island .....	1	1	1	2.00	2.50	2.00
South Dakota .....	1,800	1,900	1,900	2.10	2.30	2.20
Tennessee .....	15	16	15	3.80	2.70	3.40
Texas .....	140	140	130	4.50	4.40	4.00
Utah .....	550	520	510	4.20	3.90	4.10
Vermont .....	35	35	35	1.80	1.60	3.00
Virginia .....	90	75	75	3.60	3.40	3.00
Washington .....	410	420	390	5.30	4.70	5.20
West Virginia .....	20	18	20	4.10	2.90	3.30
Wisconsin .....	1,100	1,250	1,200	2.60	3.30	2.80
Wyoming .....	450	490	530	3.20	2.60	2.50
United States .....	17,673	18,395	17,778	3.24	3.34	3.32

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**Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2013-2015 (continued)**

State	Production		
	2013 (1,000 tons)	2014 (1,000 tons)	2015 (1,000 tons)
Arizona .....	2,025	2,210	2,520
Arkansas .....	17	18	14
California .....	5,810	5,693	5,451
Colorado .....	1,885	2,516	2,870
Connecticut .....	14	16	13
Delaware .....	21	11	11
Idaho .....	4,256	4,251	4,200
Illinois .....	1,224	1,080	805
Indiana .....	1,036	960	897
Iowa .....	2,409	2,916	3,003
Kansas .....	1,925	2,280	2,470
Kentucky .....	660	561	629
Maine .....	22	23	23
Maryland .....	114	133	154
Massachusetts .....	28	18	18
Michigan .....	1,891	1,856	2,046
Minnesota .....	2,470	3,190	2,835
Missouri .....	891	700	728
Montana .....	3,960	3,885	3,400
Nebraska .....	2,415	3,403	3,400
Nevada .....	945	1,176	860
New Hampshire .....	8	9	8
New Jersey .....	51	49	36
New Mexico .....	783	1,008	893
New York .....	770	754	644
North Carolina .....	24	28	20
North Dakota .....	3,240	3,465	2,850
Ohio .....	1,155	1,085	957
Oklahoma .....	621	841	594
Oregon .....	1,840	1,540	1,554
Pennsylvania .....	986	980	1,118
Rhode Island .....	2	3	2
South Dakota .....	3,780	4,370	4,180
Tennessee .....	57	43	51
Texas .....	630	616	520
Utah .....	2,310	2,028	2,091
Vermont .....	63	56	105
Virginia .....	324	255	225
Washington .....	2,173	1,974	2,028
West Virginia .....	82	52	66
Wisconsin .....	2,860	4,125	3,360
Wyoming .....	1,440	1,274	1,325
United States .....	57,217	61,451	58,974

## All Other Hay Area Harvested, Yield, and Production – States and United States: 2013-2015

State	Area harvested			Yield per acre		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama <sup>1</sup>	790	750	730	2.70	2.80	2.80
Arizona	35	40	35	4.40	5.00	4.50
Arkansas	1,330	1,220	1,120	2.10	2.00	2.00
California	540	520	390	3.40	3.50	3.40
Colorado	660	600	750	1.60	1.75	1.90
Connecticut	40	45	46	2.30	1.90	1.90
Delaware	12	9	10	3.20	2.50	3.30
Florida <sup>1</sup>	300	320	290	2.20	2.60	2.80
Georgia <sup>1</sup>	580	580	570	2.70	2.60	2.50
Idaho	360	300	330	2.00	2.10	2.00
Illinois	320	250	260	2.50	2.70	2.80
Indiana	360	360	330	2.10	2.75	2.30
Iowa	440	345	390	2.20	2.20	2.40
Kansas	2,200	1,700	1,800	2.10	1.60	1.90
Kentucky	2,200	2,100	2,200	2.20	2.00	2.30
Louisiana <sup>1</sup>	400	470	430	2.20	2.70	2.50
Maine	125	140	125	1.40	1.50	2.00
Maryland	195	160	180	2.10	2.40	2.10
Massachusetts	75	65	83	2.00	1.70	1.70
Michigan	330	340	310	1.90	2.10	1.80
Minnesota	950	810	520	1.50	1.60	2.20
Mississippi <sup>1</sup>	720	600	680	2.50	2.60	2.30
Missouri	3,700	3,200	2,700	1.90	2.00	2.10
Montana	1,000	880	800	1.50	1.70	1.60
Nebraska	1,800	1,750	1,850	1.40	1.50	1.60
Nevada	135	150	120	1.60	1.60	2.00
New Hampshire	45	50	45	2.60	1.70	2.00
New Jersey	80	92	90	2.30	2.30	1.60
New Mexico	85	95	90	2.10	2.00	2.20
New York	1,080	1,080	950	2.00	1.80	1.90
North Carolina	850	820	770	2.40	2.40	2.40
North Dakota	1,000	1,050	1,250	1.85	1.90	1.70
Ohio	670	650	750	2.00	2.50	2.10
Oklahoma	2,900	3,300	2,800	1.50	1.60	1.90
Oregon	620	680	690	2.20	2.40	2.20
Pennsylvania	920	1,050	860	2.10	2.10	2.20
Rhode Island	7	6	5	1.90	1.50	2.30
South Carolina <sup>1</sup>	290	270	300	2.20	2.30	2.00
South Dakota	1,250	1,350	1,500	1.70	1.70	1.60
Tennessee	1,900	1,750	1,750	2.30	2.20	2.20
Texas	5,500	5,300	4,600	1.50	2.10	2.00
Utah	175	160	160	2.40	2.30	2.30
Vermont	145	150	110	1.70	1.70	1.60
Virginia	1,150	1,100	1,100	2.40	2.20	2.20
Washington	350	450	360	3.00	2.80	2.30
West Virginia	570	600	570	1.90	1.80	1.70
Wisconsin	500	390	310	1.80	1.90	2.30
Wyoming	540	570	550	1.20	1.70	1.80
United States	40,224	38,667	36,659	1.93	2.03	2.06

See footnote(s) at end of table.

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**All Other Hay Area Harvested, Yield, and Production – States and United States: 2013-2015 (continued)**

State	Production		
	2013 (1,000 tons)	2014 (1,000 tons)	2015 (1,000 tons)
Alabama <sup>1</sup> .....	2,133	2,100	2,044
Arizona .....	154	200	158
Arkansas .....	2,793	2,440	2,240
California .....	1,836	1,820	1,326
Colorado .....	1,056	1,050	1,425
Connecticut .....	92	86	87
Delaware .....	38	23	33
Florida <sup>1</sup> .....	660	832	812
Georgia <sup>1</sup> .....	1,566	1,508	1,425
Idaho .....	720	630	660
Illinois .....	800	675	728
Indiana .....	756	990	759
Iowa .....	968	759	936
Kansas .....	4,620	2,720	3,420
Kentucky .....	4,840	4,200	5,060
Louisiana <sup>1</sup> .....	880	1,269	1,075
Maine .....	175	210	250
Maryland .....	410	384	378
Massachusetts .....	150	111	141
Michigan .....	627	714	558
Minnesota .....	1,425	1,296	1,144
Mississippi <sup>1</sup> .....	1,800	1,560	1,564
Missouri .....	7,030	6,400	5,670
Montana .....	1,500	1,496	1,280
Nebraska .....	2,520	2,625	2,960
Nevada .....	216	240	240
New Hampshire .....	117	85	90
New Jersey .....	184	212	144
New Mexico .....	179	190	198
New York .....	2,160	1,944	1,805
North Carolina .....	2,040	1,968	1,848
North Dakota .....	1,850	1,995	2,125
Ohio .....	1,340	1,625	1,575
Oklahoma .....	4,350	5,280	5,320
Oregon .....	1,364	1,632	1,518
Pennsylvania .....	1,932	2,205	1,892
Rhode Island .....	13	9	12
South Carolina <sup>1</sup> .....	638	621	600
South Dakota .....	2,125	2,295	2,400
Tennessee .....	4,370	3,850	3,850
Texas .....	8,250	11,130	9,200
Utah .....	420	368	368
Vermont .....	247	255	176
Virginia .....	2,760	2,420	2,420
Washington .....	1,050	1,260	828
West Virginia .....	1,083	1,080	969
Wisconsin .....	900	741	713
Wyoming .....	648	969	990
United States .....	77,785	78,472	75,414

<sup>1</sup> 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: 2013-2015

[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		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	1,565	1,530	1,375	5.98	5.89	5.87
Idaho .....	1,520	1,460	1,400	3.62	3.78	3.88
Illinois .....	680	540	510	3.12	3.54	3.29
Iowa .....	1,220	1,220	1,240	3.07	3.39	3.52
Kansas .....	2,780	2,420	2,540	2.41	2.24	2.48
Michigan .....	1,180	1,210	1,210	3.02	3.07	3.17
Minnesota .....	2,165	2,210	1,890	2.25	2.56	2.81
Missouri .....	4,085	3,540	3,040	2.00	2.07	2.19
Nebraska .....	2,530	2,610	2,720	2.00	2.37	2.38
New Mexico .....	244	330	305	4.16	4.00	4.00
New York .....	2,020	1,830	1,720	2.47	2.58	2.53
Ohio .....	1,050	1,030	1,180	2.70	2.96	2.56
Pennsylvania .....	1,540	1,720	1,620	2.79	2.65	2.71
South Dakota .....	3,085	3,280	3,450	1.98	2.09	1.98
Texas .....	5,744	5,545	4,836	1.63	2.20	2.14
Vermont .....	310	290	270	2.73	2.59	3.17
Washington .....	805	930	840	4.44	3.88	4.08
Wisconsin .....	2,650	2,700	2,600	2.65	3.54	3.45
18 State total .....	35,173	34,395	32,746	2.53	2.78	2.79

State	Production		
	2013	2014	2015
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	9,362	9,008	8,070
Idaho .....	5,495	5,524	5,429
Illinois .....	2,120	1,909	1,680
Iowa .....	3,747	4,135	4,370
Kansas .....	6,710	5,413	6,293
Michigan .....	3,568	3,719	3,835
Minnesota .....	4,881	5,657	5,309
Missouri .....	8,158	7,319	6,651
Nebraska .....	5,062	6,192	6,483
New Mexico .....	1,014	1,320	1,220
New York .....	4,998	4,728	4,346
Ohio .....	2,838	3,044	3,018
Pennsylvania .....	4,294	4,562	4,393
South Dakota .....	6,093	6,859	6,835
Texas .....	9,345	12,178	10,334
Vermont .....	847	751	856
Washington .....	3,573	3,609	3,427
Wisconsin .....	7,022	9,570	8,967
18 State total .....	89,127	95,497	91,516

## All Alfalfa Forage Area Harvested, Yield, and Production – States and 18 State Total: 2013-2015

[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		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	865	850	815	7.09	7.01	6.94
Idaho .....	1,135	1,120	1,030	4.10	4.20	4.45
Illinois .....	360	290	250	3.59	4.17	3.76
Iowa .....	770	860	810	3.56	3.85	4.06
Kansas .....	560	650	700	3.50	3.72	3.78
Michigan .....	840	850	890	3.43	3.48	3.62
Minnesota .....	1,185	1,360	1,350	2.86	3.12	3.04
Missouri .....	345	290	290	2.80	2.58	2.89
Nebraska .....	710	850	860	3.48	4.12	4.03
New Mexico .....	145	215	190	5.50	4.87	4.78
New York .....	650	500	530	3.16	3.83	3.63
Ohio .....	360	350	400	3.91	3.71	3.37
Pennsylvania .....	490	560	660	4.11	3.52	3.27
South Dakota .....	1,820	1,910	1,930	2.15	2.32	2.23
Texas .....	144	145	136	4.47	4.41	3.98
Vermont .....	90	70	60	3.28	3.27	3.73
Washington .....	425	430	425	5.25	4.80	5.16
Wisconsin .....	2,000	2,200	2,150	2.88	3.84	3.57
18 State total .....	12,894	13,500	13,476	3.54	3.79	3.71

State	Production		
	2013	2014	2015
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	6,136	5,960	5,660
Idaho .....	4,658	4,706	4,581
Illinois .....	1,294	1,210	939
Iowa .....	2,738	3,314	3,292
Kansas .....	1,959	2,421	2,648
Michigan .....	2,879	2,961	3,220
Minnesota .....	3,386	4,249	4,098
Missouri .....	965	749	839
Nebraska .....	2,474	3,498	3,467
New Mexico .....	797	1,048	908
New York .....	2,055	1,914	1,925
Ohio .....	1,408	1,300	1,347
Pennsylvania .....	2,015	1,969	2,160
South Dakota .....	3,909	4,431	4,309
Texas .....	644	640	541
Vermont .....	295	229	224
Washington .....	2,232	2,064	2,191
Wisconsin .....	5,766	8,455	7,685
18 State total .....	45,610	51,118	50,034

## All Other Forage Area Harvested, Yield, and Production – States and 18 State Total: 2013-2015

[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		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	700	680	560	4.61	4.48	4.30
Idaho .....	385	340	370	2.18	2.41	2.29
Illinois .....	320	250	260	2.58	2.80	2.85
Iowa .....	450	360	430	2.24	2.28	2.51
Kansas .....	2,220	1,770	1,840	2.14	1.69	1.98
Michigan .....	340	360	320	2.03	2.11	1.92
Minnesota .....	980	850	540	1.53	1.66	2.24
Missouri .....	3,740	3,250	2,750	1.92	2.02	2.11
Nebraska .....	1,820	1,760	1,860	1.42	1.53	1.62
New Mexico .....	99	115	115	2.19	2.37	2.71
New York .....	1,370	1,330	1,190	2.15	2.12	2.03
Ohio .....	690	680	780	2.07	2.56	2.14
Pennsylvania .....	1,050	1,160	960	2.17	2.24	2.33
South Dakota .....	1,265	1,370	1,520	1.73	1.77	1.66
Texas .....	5,600	5,400	4,700	1.55	2.14	2.08
Vermont .....	220	220	210	2.51	2.37	3.01
Washington .....	380	500	415	3.53	3.09	2.98
Wisconsin .....	650	500	450	1.93	2.23	2.85
18 State total .....	22,279	20,895	19,270	1.95	2.12	2.15

State	Production		
	2013	2014	2015
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	3,226	3,048	2,410
Idaho .....	837	818	848
Illinois .....	826	699	741
Iowa .....	1,009	821	1,078
Kansas .....	4,751	2,992	3,645
Michigan .....	689	758	615
Minnesota .....	1,495	1,408	1,211
Missouri .....	7,193	6,570	5,812
Nebraska .....	2,588	2,694	3,016
New Mexico .....	217	272	312
New York .....	2,943	2,814	2,421
Ohio .....	1,430	1,744	1,671
Pennsylvania .....	2,279	2,593	2,233
South Dakota .....	2,184	2,428	2,526
Texas .....	8,701	11,538	9,793
Vermont .....	552	522	632
Washington .....	1,341	1,545	1,236
Wisconsin .....	1,256	1,115	1,282
18 State total .....	43,517	44,379	41,482

## All Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2013-2015

[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		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	265	240	235	13.10	12.60	11.13
Idaho .....	90	120	110	11.68	10.83	10.45
Illinois .....	49	49	40	3.95	6.39	7.45
Iowa .....	105	155	135	7.13	6.01	6.47
Kansas .....	66	165	130	5.06	5.07	6.27
Michigan .....	295	290	295	7.20	8.02	8.44
Minnesota .....	331	370	380	6.03	6.40	7.08
Missouri .....	80	90	125	6.00	4.92	4.10
Nebraska .....	50	55	55	5.16	6.05	4.51
New Mexico .....	17	32	33	6.21	7.66	7.91
New York .....	760	660	650	5.51	6.22	5.91
Ohio .....	112	133	139	6.20	5.07	7.09
Pennsylvania .....	465	450	435	5.98	6.19	6.43
South Dakota .....	55	60	80	6.91	6.55	6.44
Texas .....	110	157	256	8.54	5.57	4.85
Vermont .....	165	140	170	6.59	6.36	6.84
Washington .....	83	103	130	8.53	7.36	8.88
Wisconsin .....	1,230	1,335	1,430	5.37	7.13	6.92
18 State total .....	4,328	4,604	4,828	6.50	6.98	6.95

State	Production		
	2013	2014	2015
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	3,472	3,025	2,616
Idaho .....	1,051	1,300	1,150
Illinois .....	194	313	298
Iowa .....	749	931	873
Kansas .....	334	836	815
Michigan .....	2,123	2,326	2,491
Minnesota .....	1,996	2,368	2,690
Missouri .....	480	443	513
Nebraska .....	258	333	248
New Mexico .....	106	245	261
New York .....	4,184	4,106	3,839
Ohio .....	694	674	985
Pennsylvania .....	2,783	2,785	2,799
South Dakota .....	380	393	515
Texas .....	940	874	1,242
Vermont .....	1,087	890	1,163
Washington .....	708	758	1,154
Wisconsin .....	6,600	9,516	9,902
18 State total .....	28,139	32,116	33,554

**Alfalfa Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2013-2015**

[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		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	75	65	65	8.80	8.30	6.50
Idaho .....	65	80	70	12.50	11.50	11.00
Illinois .....	38	40	34	3.70	6.60	8.00
Iowa .....	90	130	90	7.40	6.20	6.50
Kansas .....	16	65	60	4.30	4.40	6.00
Michigan .....	270	260	270	7.40	8.60	8.80
Minnesota .....	285	315	350	6.50	6.80	7.30
Missouri .....	25	20	45	6.00	5.00	5.00
Nebraska .....	25	35	30	4.80	5.50	4.50
New Mexico .....	3	10	3	9.50	8.00	10.00
New York .....	400	340	360	6.50	6.90	7.20
Ohio .....	80	85	100	6.40	5.10	7.90
Pennsylvania .....	285	290	285	7.30	6.90	7.40
South Dakota .....	40	30	50	6.50	4.10	5.20
Texas .....	4	7	6	7.00	7.00	7.00
Vermont .....	70	50	40	6.70	7.00	6.00
Washington .....	23	23	45	5.20	7.90	7.30
Wisconsin .....	1,050	1,200	1,250	5.60	7.30	7.00
18 State total .....	2,844	3,045	3,153	6.49	7.16	7.24

State	Production		
	2013	2014	2015
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	660	540	423
Idaho .....	813	920	770
Illinois .....	141	264	272
Iowa .....	666	806	585
Kansas .....	69	286	360
Michigan .....	1,998	2,236	2,376
Minnesota .....	1,853	2,142	2,555
Missouri .....	150	100	225
Nebraska .....	120	193	135
New Mexico .....	29	80	30
New York .....	2,600	2,346	2,592
Ohio .....	512	434	790
Pennsylvania .....	2,081	2,001	2,109
South Dakota .....	260	123	260
Texas .....	28	49	42
Vermont .....	469	350	240
Washington .....	120	182	329
Wisconsin .....	5,880	8,760	8,750
18 State total .....	18,449	21,812	22,843



## All Other Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2013-2015

[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		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	190	175	170	14.80	14.20	12.90
Idaho .....	25	40	40	9.50	9.50	9.50
Illinois .....	11	9	6	4.80	5.40	4.40
Iowa .....	15	25	45	5.50	5.00	6.40
Kansas .....	50	100	70	5.30	5.50	6.50
Michigan .....	25	30	25	5.00	3.00	4.60
Minnesota .....	46	55	30	3.10	4.10	4.50
Missouri .....	55	70	80	6.00	4.90	3.60
Nebraska .....	25	20	25	5.50	7.00	4.50
New Mexico .....	14	22	30	5.50	7.50	7.70
New York .....	360	320	290	4.40	5.50	4.30
Ohio .....	32	48	39	5.70	5.00	5.00
Pennsylvania .....	180	160	150	3.90	4.90	4.60
South Dakota .....	15	30	30	8.00	9.00	8.50
Texas .....	106	150	250	8.60	5.50	4.80
Vermont .....	95	90	130	6.50	6.00	7.10
Washington .....	60	80	85	9.80	7.20	9.70
Wisconsin .....	180	135	180	4.00	5.60	6.40
18 State total .....	1,484	1,559	1,675	6.53	6.61	6.39

State	Production		
	2013	2014	2015
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	2,812	2,485	2,193
Idaho .....	238	380	380
Illinois .....	53	49	26
Iowa .....	83	125	288
Kansas .....	265	550	455
Michigan .....	125	90	115
Minnesota .....	143	226	135
Missouri .....	330	343	288
Nebraska .....	138	140	113
New Mexico .....	77	165	231
New York .....	1,584	1,760	1,247
Ohio .....	182	240	195
Pennsylvania .....	702	784	690
South Dakota .....	120	270	255
Texas .....	912	825	1,200
Vermont .....	618	540	923
Washington .....	588	576	825
Wisconsin .....	720	756	1,152
18 State total .....	9,690	10,304	10,711

## New Seedings of Alfalfa and Alfalfa Mixtures – States and United States: 2013-2015

State	Area seeded		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Arizona .....	65	50	55
Arkansas .....	1	-	-
California .....	125	100	90
Colorado .....	85	95	85
Connecticut .....	1	1	1
Delaware .....	1	1	1
Idaho .....	125	140	140
Illinois .....	48	30	30
Indiana .....	35	35	35
Iowa .....	145	110	90
Kansas .....	65	65	75
Kentucky .....	32	25	27
Maine .....	2	2	2
Maryland .....	4	9	8
Massachusetts .....	1	1	1
Michigan .....	95	90	115
Minnesota .....	230	250	230
Missouri .....	50	30	30
Montana .....	100	100	100
Nebraska .....	140	160	140
Nevada .....	24	21	18
New Hampshire .....	1	1	1
New Jersey .....	2	1	3
New Mexico .....	15	20	25
New York .....	80	70	100
North Carolina .....	1	1	2
North Dakota .....	73	80	90
Ohio .....	45	50	100
Oklahoma .....	35	70	35
Oregon .....	30	55	45
Pennsylvania .....	80	85	95
South Dakota .....	110	150	120
Tennessee .....	2	2	1
Texas .....	20	15	15
Utah .....	90	60	65
Vermont .....	12	6	6
Virginia .....	10	10	12
Washington .....	50	65	60
West Virginia .....	2	1	2
Wisconsin .....	460	450	440
Wyoming .....	25	40	45
United States .....	2,517	2,547	2,535

- Represents zero.

**Peanut Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	140.0	175.0	200.0	138.0	173.0	197.0
Florida .....	140.0	175.0	190.0	131.0	167.0	180.0
Georgia .....	430.0	600.0	785.0	426.0	589.0	777.0
Mississippi .....	34.0	32.0	44.0	33.0	31.0	42.0
New Mexico .....	7.0	4.5	5.0	7.0	4.5	5.0
North Carolina .....	82.0	94.0	90.0	81.0	93.0	88.0
Oklahoma .....	17.0	12.0	10.0	16.0	11.0	9.0
South Carolina .....	81.0	112.0	112.0	78.0	108.0	83.0
Texas .....	120.0	130.0	170.0	117.0	127.0	168.0
Virginia .....	16.0	19.0	19.0	16.0	19.0	19.0
United States .....	1,067.0	1,353.5	1,625.0	1,043.0	1,322.5	1,568.0

State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Alabama .....	3,550	3,150	3,350	489,900	544,950	659,950
Florida .....	3,950	4,000	3,650	517,450	668,000	657,000
Georgia .....	4,430	4,135	4,470	1,887,180	2,435,515	3,473,190
Mississippi .....	3,700	4,000	3,600	122,100	124,000	151,200
New Mexico .....	3,100	3,500	3,000	21,700	15,750	15,000
North Carolina .....	3,900	4,320	3,400	315,900	401,760	299,200
Oklahoma .....	3,700	4,000	3,500	59,200	44,000	31,500
South Carolina .....	3,500	3,800	3,200	273,000	410,400	265,600
Texas .....	3,620	3,620	3,500	423,540	459,740	588,000
Virginia .....	3,950	4,450	3,850	63,200	84,550	73,150
United States .....	4,001	3,923	3,963	4,173,170	5,188,665	6,213,790

**Canola Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho .....	44.0	35.0	28.0	43.0	34.0	27.0
Minnesota .....	17.0	15.0	23.0	16.5	14.5	21.5
Montana .....	72.0	63.0	82.0	69.0	61.0	78.0
North Dakota .....	920.0	1,200.0	1,410.0	915.0	1,190.0	1,400.0
Oklahoma .....	205.0	270.0	140.0	149.0	155.0	115.0
Oregon .....	13.0	11.0	4.3	12.1	10.0	1.8
Washington .....	37.0	51.0	37.0	36.0	47.0	34.0
Other States <sup>1</sup> .....	40.0	70.0	52.7	23.9	45.2	37.2
United States .....	1,348.0	1,715.0	1,777.0	1,264.5	1,556.7	1,714.5

State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Idaho .....	1,850	1,800	1,400	79,550	61,200	37,800
Minnesota .....	1,950	1,650	1,880	32,175	23,925	40,420
Montana .....	1,540	1,380	1,160	106,260	84,180	90,480
North Dakota .....	1,820	1,800	1,780	1,665,300	2,142,000	2,492,000
Oklahoma .....	1,400	620	1,140	208,600	96,100	131,100
Oregon .....	1,600	1,500	1,800	19,360	15,000	3,240
Washington .....	1,700	1,200	1,100	61,200	56,400	37,400
Other States <sup>1</sup> .....	1,592	749	1,144	38,060	33,840	42,570
United States .....	1,748	1,614	1,677	2,210,505	2,512,645	2,875,010

<sup>1</sup> Other States include Colorado and Kansas.

**Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2013-2015**

Varietal type and State	Area planted			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Oil</b>						
California .....	56.0	44.0	33.0	55.5	44.0	33.0
Colorado .....	50.0	35.0	60.0	37.0	32.0	57.0
Kansas .....	55.0	45.0	57.0	50.0	42.0	53.0
Minnesota .....	33.0	47.0	77.0	32.0	45.0	75.0
Nebraska .....	28.0	27.0	29.0	23.5	25.0	27.0
North Dakota .....	425.0	520.0	620.0	400.0	510.0	605.0
Oklahoma .....	3.0	3.0	3.5	2.9	1.5	3.0
South Dakota .....	560.0	410.0	580.0	540.0	400.0	570.0
Texas .....	69.0	43.0	91.0	60.0	40.0	87.0
United States .....	1,279.0	1,174.0	1,550.5	1,200.9	1,139.5	1,510.0
<b>Non-oil</b>						
California .....	2.5	3.5	1.4	2.5	3.5	1.4
Colorado .....	17.0	11.5	13.0	16.0	11.0	12.0
Kansas .....	16.0	18.0	27.0	15.0	17.0	25.0
Minnesota .....	10.0	15.0	24.0	9.5	14.5	23.5
Nebraska .....	15.0	11.0	20.0	13.0	10.5	17.5
North Dakota .....	74.0	145.0	100.0	71.0	139.0	97.0
Oklahoma .....	2.0	1.3	2.2	1.7	1.1	2.0
South Dakota .....	115.0	125.0	99.0	110.0	122.0	92.0
Texas .....	45.0	61.0	22.0	25.0	52.0	19.0
United States .....	296.5	391.3	308.6	263.7	370.6	289.4
<b>All</b>						
California .....	58.5	47.5	34.4	58.0	47.5	34.4
Colorado .....	67.0	46.5	73.0	53.0	43.0	69.0
Kansas .....	71.0	63.0	84.0	65.0	59.0	78.0
Minnesota .....	43.0	62.0	101.0	41.5	59.5	98.5
Nebraska .....	43.0	38.0	49.0	36.5	35.5	44.5
North Dakota .....	499.0	665.0	720.0	471.0	649.0	702.0
Oklahoma .....	5.0	4.3	5.7	4.6	2.6	5.0
South Dakota .....	675.0	535.0	679.0	650.0	522.0	662.0
Texas .....	114.0	104.0	113.0	85.0	92.0	106.0
United States .....	1,575.5	1,565.3	1,859.1	1,464.6	1,510.1	1,799.4

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**Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2013-2015 (continued)**

Varietal type and State	Yield per acre			Production		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 pounds)	2014 (1,000 pounds)	2015 (1,000 pounds)
<b>Oil</b>						
California .....	1,300	1,300	1,300	72,150	57,200	42,900
Colorado .....	800	1,400	1,200	29,600	44,800	68,400
Kansas .....	1,160	1,370	1,520	58,000	57,540	80,560
Minnesota .....	1,600	1,450	1,650	51,200	65,250	123,750
Nebraska .....	850	1,160	1,580	19,975	29,000	42,660
North Dakota .....	1,260	1,340	1,470	504,000	683,400	889,350
Oklahoma .....	1,200	1,400	1,600	3,480	2,100	4,800
South Dakota .....	1,520	1,670	1,840	820,800	668,000	1,048,800
Texas .....	1,300	1,420	950	78,000	56,800	82,650
United States .....	1,363	1,460	1,579	1,637,205	1,664,090	2,383,870
<b>Non-oil</b>						
California .....	1,200	1,350	1,300	3,000	4,725	1,820
Colorado .....	1,000	1,900	1,400	16,000	20,900	16,800
Kansas .....	1,600	2,000	2,200	24,000	34,000	55,000
Minnesota .....	1,900	1,560	1,800	18,050	22,620	42,300
Nebraska .....	1,000	1,750	2,100	13,000	18,375	36,750
North Dakota .....	1,360	1,180	1,850	96,560	164,020	179,450
Oklahoma .....	1,000	1,000	900	1,700	1,100	1,800
South Dakota .....	1,600	1,710	1,970	176,000	208,620	181,240
Texas .....	1,450	1,550	1,300	36,250	80,600	24,700
United States .....	1,458	1,497	1,865	384,560	554,960	539,860
<b>All</b>						
California .....	1,296	1,304	1,300	75,150	61,925	44,720
Colorado .....	860	1,528	1,235	45,600	65,700	85,200
Kansas .....	1,262	1,552	1,738	82,000	91,540	135,560
Minnesota .....	1,669	1,477	1,686	69,250	87,870	166,050
Nebraska .....	903	1,335	1,784	32,975	47,375	79,410
North Dakota .....	1,275	1,306	1,523	600,560	847,420	1,068,800
Oklahoma .....	1,126	1,231	1,320	5,180	3,200	6,600
South Dakota .....	1,534	1,679	1,858	996,800	876,620	1,230,040
Texas .....	1,344	1,493	1,013	114,250	137,400	107,350
United States .....	1,380	1,469	1,625	2,021,765	2,219,050	2,923,730

**Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	440	480	500	430	470	490
Arkansas .....	3,270	3,230	3,200	3,240	3,200	3,170
Delaware .....	165	185	175	163	183	173
Florida .....	32	39	33	30	37	31
Georgia .....	235	300	325	230	290	315
Illinois .....	9,500	9,800	9,800	9,480	9,770	9,720
Indiana .....	5,200	5,450	5,550	5,190	5,440	5,500
Iowa .....	9,300	9,850	9,850	9,250	9,770	9,800
Kansas .....	3,600	4,000	3,900	3,540	3,960	3,860
Kentucky .....	1,670	1,760	1,840	1,660	1,750	1,810
Louisiana .....	1,130	1,410	1,430	1,120	1,395	1,395
Maryland .....	485	510	520	480	505	515
Michigan .....	1,930	2,050	2,030	1,920	2,040	2,020
Minnesota .....	6,700	7,350	7,600	6,620	7,270	7,550
Mississippi .....	2,010	2,210	2,300	1,990	2,190	2,270
Missouri .....	5,650	5,650	4,550	5,610	5,590	4,480
Nebraska .....	4,800	5,400	5,300	4,770	5,330	5,270
New Jersey .....	90	105	105	88	103	103
New York .....	280	330	305	278	327	301
North Carolina .....	1,480	1,750	1,820	1,450	1,730	1,790
North Dakota .....	4,650	5,900	5,750	4,630	5,870	5,720
Ohio .....	4,500	4,700	4,750	4,490	4,690	4,740
Oklahoma .....	345	375	395	335	365	375
Pennsylvania .....	560	570	580	555	565	575
South Carolina .....	320	450	475	310	440	405
South Dakota .....	4,600	5,150	5,150	4,580	5,110	5,120
Tennessee .....	1,580	1,640	1,750	1,550	1,610	1,720
Texas .....	105	155	130	92	135	115
Virginia .....	610	650	630	600	640	620
West Virginia .....	23	27	27	22	26	26
Wisconsin .....	1,580	1,800	1,880	1,550	1,790	1,870
United States .....	76,840	83,276	82,650	76,253	82,591	81,849

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**Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015 (continued)**

State	Yield per acre			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama .....	43.5	40.0	41.0	18,705	18,800	20,090
Arkansas .....	43.5	49.5	49.0	140,940	158,400	155,330
Delaware .....	40.5	47.5	40.0	6,602	8,693	6,920
Florida .....	41.0	43.0	38.0	1,230	1,591	1,178
Georgia .....	40.5	40.0	43.0	9,315	11,600	13,545
Illinois .....	50.0	56.0	56.0	474,000	547,120	544,320
Indiana .....	51.5	55.5	50.0	267,285	301,920	275,000
Iowa .....	45.5	51.0	56.5	420,875	498,270	553,700
Kansas .....	37.0	35.5	38.5	130,980	140,580	148,610
Kentucky .....	50.0	47.5	49.0	83,000	83,125	88,690
Louisiana .....	48.5	56.5	41.0	54,320	78,818	57,195
Maryland .....	39.5	46.0	40.0	18,960	23,230	20,600
Michigan .....	44.5	42.5	49.0	85,440	86,700	98,980
Minnesota .....	42.0	41.5	50.0	278,040	301,705	377,500
Mississippi .....	46.0	52.0	46.0	91,540	113,880	104,420
Missouri .....	36.0	46.5	40.5	201,960	259,935	181,440
Nebraska .....	53.5	54.0	58.0	255,195	287,820	305,660
New Jersey .....	39.5	44.0	32.0	3,476	4,532	3,296
New York .....	48.0	44.5	43.0	13,344	14,552	12,943
North Carolina .....	33.5	40.0	32.0	48,575	69,200	57,280
North Dakota .....	30.5	34.5	32.5	141,215	202,515	185,900
Ohio .....	49.5	52.5	50.0	222,255	246,225	237,000
Oklahoma .....	30.5	28.0	31.0	10,218	10,220	11,625
Pennsylvania .....	49.0	49.0	44.0	27,195	27,685	25,300
South Carolina .....	28.5	35.0	26.0	8,835	15,400	10,530
South Dakota .....	40.5	45.0	46.0	185,490	229,950	235,520
Tennessee .....	46.5	46.0	46.0	72,075	74,060	79,120
Texas .....	25.5	38.5	26.0	2,346	5,198	2,990
Virginia .....	38.5	39.5	34.5	23,100	25,280	21,390
West Virginia .....	46.5	51.0	48.0	1,023	1,326	1,248
Wisconsin .....	39.0	44.0	49.5	60,450	78,760	92,565
United States .....	44.0	47.5	48.0	3,357,984	3,927,090	3,929,885

## Soybean Objective Yield Data

The National Agricultural Statistics Service conducted an objective yield survey in 11 soybean producing States during 2015. 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: 2011-2015

State and month	2011	2012	2013	2014	2015	State and month	2011	2012	2013	2014	2015
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Arkansas</b> <sup>1</sup>						<b>Minnesota</b>					
September .....	(NA)	(NA)	(NA)	(NA)	(NA)	September .....	1,670	1,587	1,433	1,414	1,637
October .....	1,434	1,574	(NA)	1,960	1,737	October .....	1,705	1,606	(NA)	1,431	1,644
November .....	1,607	1,570	1,864	1,999	1,813	November .....	1,678	1,605	1,400	1,434	1,612
Final .....	1,597	1,590	1,734	1,999	1,818	Final .....	1,678	1,614	1,418	1,434	1,612
<b>Illinois</b>						<b>Missouri</b>					
September .....	1,983	1,466	1,682	1,922	1,980	September .....	1,957	1,347	1,528	2,050	1,612
October .....	1,933	1,359	(NA)	1,913	2,052	October .....	1,781	1,205	(NA)	1,969	1,755
November .....	1,931	1,382	1,713	1,964	2,086	November .....	1,836	1,274	1,522	2,055	1,869
Final .....	1,931	1,377	1,697	1,968	2,079	Final .....	1,797	1,271	1,500	2,043	1,899
<b>Indiana</b>						<b>Nebraska</b>					
September .....	1,607	1,388	1,638	1,518	1,641	September .....	2,032	1,406	1,671	1,634	1,816
October .....	1,606	1,390	(NA)	1,634	1,703	October .....	2,075	1,509	(NA)	1,707	1,863
November .....	1,635	1,396	1,696	1,661	1,691	November .....	2,141	1,516	1,801	1,743	1,884
Final .....	1,635	1,396	1,705	1,660	1,691	Final .....	2,141	1,516	1,801	1,743	1,884
<b>Iowa</b>						<b>North Dakota</b>					
September .....	1,944	1,512	1,414	1,621	1,779	September .....	1,337	1,308	1,275	1,281	1,321
October .....	1,941	1,636	(NA)	1,690	1,805	October .....	1,382	1,326	(NA)	1,266	1,330
November .....	1,996	1,630	1,538	1,772	1,834	November .....	1,381	1,326	1,336	1,454	1,337
Final .....	2,002	1,630	1,531	1,768	1,834	Final .....	1,381	1,326	1,336	1,459	1,337
<b>Kansas</b>						<b>Ohio</b>					
September .....	1,488	1,038	1,295	1,303	1,285	September .....	1,882	1,674	1,889	1,882	1,621
October .....	1,466	1,039	(NA)	1,384	1,602	October .....	1,850	1,708	(NA)	1,835	1,691
November .....	1,375	1,092	1,319	1,428	1,715	November .....	1,893	1,747	1,780	1,796	1,776
Final .....	1,375	1,092	1,360	1,453	1,715	Final .....	1,892	1,746	1,799	1,796	1,776
						<b>South Dakota</b>					
						September .....	1,652	1,171	1,508	1,553	1,541
						October .....	1,492	1,142	(NA)	1,485	1,557
						November .....	1,530	1,127	1,543	1,498	1,563
						Final .....	1,530	1,127	1,489	1,501	1,563

(NA) Not available.

<sup>1</sup> September data not available due to plant immaturity.



### Flaxseed Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Minnesota .....	4	2	3	4	2	3
Montana .....	20	28	31	16	25	30
North Dakota .....	150	275	410	146	270	405
South Dakota .....	7	6	19	6	5	18
United States .....	181	311	463	172	302	456
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Minnesota .....	19.0	24.0	14.0	76	48	42
Montana .....	15.0	17.0	15.0	240	425	450
North Dakota .....	20.0	21.5	23.0	2,920	5,805	9,315
South Dakota .....	20.0	18.0	16.0	120	90	288
United States .....	19.5	21.1	22.1	3,356	6,368	10,095

### Safflower Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California .....	50.0	53.0	59.0	49.5	52.5	59.0
Montana .....	36.0	54.0	50.0	35.0	50.5	44.0
North Dakota .....	15.5	14.0	10.5	15.0	9.5	10.4
Utah .....	27.0	19.0	16.0	26.0	18.0	15.5
Other States <sup>1</sup> .....	48.0	41.5	32.7	45.2	39.7	30.2
United States .....	176.5	181.5	168.2	170.7	170.2	159.1
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California .....	2,000	2,000	2,100	99,000	105,000	123,900
Montana .....	1,110	840	840	38,850	42,420	36,960
North Dakota .....	1,200	1,000	1,050	18,000	9,500	10,920
Utah .....	570	990	910	14,820	17,820	14,105
Other States <sup>1</sup> .....	875	854	939	39,568	33,903	28,366
United States .....	1,232	1,226	1,347	210,238	208,643	214,251

<sup>1</sup> Other States include Colorado, Idaho, and South Dakota.

### Other Oilseed Area Planted and Harvested, Yield, and Production by Crop – United States: 2013-2015

Crop	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Rapeseed <sup>1</sup> .....	1.7	2.2	1.2	1.7	2.1	1.1
Mustard seed <sup>2</sup> .....	45.0	33.6	44.0	43.4	31.2	40.1
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Rapeseed <sup>1</sup> .....	1,141	1,233	1,382	1,940	2,590	1,520
Mustard seed <sup>2</sup> .....	846	930	671	36,727	29,004	26,927

<sup>1</sup> Rapeseed program States include Idaho, Minnesota, Oregon, and Washington.

<sup>2</sup> 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: 2013-2015**

Type and State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Upland</b>						
Alabama .....	365.0	350.0	315.0	359.0	348.0	313.0
Arizona .....	160.0	150.0	89.0	159.0	149.0	88.0
Arkansas .....	310.0	335.0	210.0	305.0	330.0	205.0
California .....	93.0	57.0	47.0	92.0	56.0	46.0
Florida .....	131.0	107.0	85.0	127.0	105.0	84.0
Georgia .....	1,370.0	1,380.0	1,130.0	1,340.0	1,370.0	1,120.0
Kansas .....	27.0	31.0	16.0	26.0	29.0	15.0
Louisiana .....	130.0	170.0	115.0	128.0	168.0	112.0
Mississippi .....	290.0	425.0	320.0	287.0	420.0	315.0
Missouri .....	255.0	250.0	185.0	246.0	245.0	175.0
New Mexico .....	39.0	43.0	35.0	31.0	33.0	31.0
North Carolina .....	465.0	465.0	385.0	460.0	460.0	365.0
Oklahoma .....	185.0	240.0	215.0	125.0	210.0	205.0
South Carolina .....	258.0	280.0	235.0	250.0	278.0	124.0
Tennessee .....	250.0	275.0	155.0	233.0	270.0	140.0
Texas .....	5,800.0	6,200.0	4,800.0	3,100.0	4,600.0	4,500.0
Virginia .....	78.0	87.0	85.0	77.0	86.0	84.0
United States .....	10,206.0	10,845.0	8,422.0	7,345.0	9,157.0	7,922.0
<b>American Pima</b>						
Arizona .....	1.5	15.0	17.5	1.5	14.5	17.0
California .....	187.0	155.0	117.0	186.0	154.0	116.0
New Mexico .....	3.5	5.4	7.0	3.4	5.3	6.9
Texas .....	9.0	17.0	17.0	8.5	16.0	15.0
United States .....	201.0	192.4	158.5	199.4	189.8	154.9
<b>All</b>						
Alabama .....	365.0	350.0	315.0	359.0	348.0	313.0
Arizona .....	161.5	165.0	106.5	160.5	163.5	105.0
Arkansas .....	310.0	335.0	210.0	305.0	330.0	205.0
California .....	280.0	212.0	164.0	278.0	210.0	162.0
Florida .....	131.0	107.0	85.0	127.0	105.0	84.0
Georgia .....	1,370.0	1,380.0	1,130.0	1,340.0	1,370.0	1,120.0
Kansas .....	27.0	31.0	16.0	26.0	29.0	15.0
Louisiana .....	130.0	170.0	115.0	128.0	168.0	112.0
Mississippi .....	290.0	425.0	320.0	287.0	420.0	315.0
Missouri .....	255.0	250.0	185.0	246.0	245.0	175.0
New Mexico .....	42.5	48.4	42.0	34.4	38.3	37.9
North Carolina .....	465.0	465.0	385.0	460.0	460.0	365.0
Oklahoma .....	185.0	240.0	215.0	125.0	210.0	205.0
South Carolina .....	258.0	280.0	235.0	250.0	278.0	124.0
Tennessee .....	250.0	275.0	155.0	233.0	270.0	140.0
Texas .....	5,809.0	6,217.0	4,817.0	3,108.5	4,616.0	4,515.0
Virginia .....	78.0	87.0	85.0	77.0	86.0	84.0
United States .....	10,407.0	11,037.4	8,580.5	7,544.4	9,346.8	8,076.9

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: 2013-2015 (continued)**

Type and State	Yield per acre			Production <sup>1</sup>		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 bales) <sup>2</sup>	2014 (1,000 bales) <sup>2</sup>	2015 (1,000 bales) <sup>2</sup>
<b>Upland</b>						
Alabama .....	789	901	843	590.0	653.0	550.0
Arizona .....	1,449	1,579	1,555	480.0	490.0	285.0
Arkansas .....	1,133	1,145	1,112	720.0	787.0	475.0
California .....	1,737	1,834	1,722	333.0	214.0	165.0
Florida .....	661	878	857	175.0	192.0	150.0
Georgia .....	831	900	986	2,320.0	2,570.0	2,300.0
Kansas .....	757	794	864	41.0	48.0	27.0
Louisiana .....	1,223	1,154	814	326.0	404.0	190.0
Mississippi .....	1,203	1,232	1,021	719.0	1,078.0	670.0
Missouri .....	968	1,117	1,111	496.0	570.0	405.0
New Mexico .....	929	931	821	60.0	64.0	53.0
North Carolina .....	799	1,038	686	766.0	995.0	522.0
Oklahoma .....	591	615	866	154.0	269.0	370.0
South Carolina .....	691	912	581	360.0	528.0	150.0
Tennessee .....	853	878	1,035	414.0	494.0	302.0
Texas .....	646	644	613	4,170.0	6,175.0	5,750.0
Virginia .....	941	1,239	823	151.0	222.0	144.0
United States .....	802	826	758	12,275.0	15,753.0	12,508.0
<b>American Pima</b>						
Arizona .....	1,024	993	904	3.2	30.0	32.0
California .....	1,574	1,558	1,490	610.0	500.0	360.0
New Mexico .....	847	761	1,043	6.0	8.4	15.0
Texas .....	847	840	896	15.0	28.0	28.0
United States .....	1,527	1,432	1,348	634.2	566.4	435.0
<b>All</b>						
Alabama .....	789	901	843	590.0	653.0	550.0
Arizona .....	1,445	1,527	1,449	483.2	520.0	317.0
Arkansas .....	1,133	1,145	1,112	720.0	787.0	475.0
California .....	1,628	1,632	1,556	943.0	714.0	525.0
Florida .....	661	878	857	175.0	192.0	150.0
Georgia .....	831	900	986	2,320.0	2,570.0	2,300.0
Kansas .....	757	794	864	41.0	48.0	27.0
Louisiana .....	1,223	1,154	814	326.0	404.0	190.0
Mississippi .....	1,203	1,232	1,021	719.0	1,078.0	670.0
Missouri .....	968	1,117	1,111	496.0	570.0	405.0
New Mexico .....	921	907	861	66.0	72.4	68.0
North Carolina .....	799	1,038	686	766.0	995.0	522.0
Oklahoma .....	591	615	866	154.0	269.0	370.0
South Carolina .....	691	912	581	360.0	528.0	150.0
Tennessee .....	853	878	1,035	414.0	494.0	302.0
Texas .....	646	645	614	4,185.0	6,203.0	5,778.0
Virginia .....	941	1,239	823	151.0	222.0	144.0
United States .....	821	838	769	12,909.2	16,319.4	12,943.0

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

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

## Cottonseed Production – States and United States: 2013-2015

State	Production		
	2013 (1,000 tons)	2014 (1,000 tons)	2015 <sup>1</sup> (1,000 tons)
Alabama .....	165.0	195.0	161.0
Arizona .....	163.0	172.0	109.0
Arkansas .....	252.0	288.0	166.0
California .....	355.0	276.0	195.0
Florida .....	38.0	40.0	44.0
Georgia .....	701.0	754.0	677.0
Kansas .....	14.0	16.0	9.0
Louisiana .....	118.0	139.0	65.0
Mississippi .....	220.0	306.0	216.0
Missouri .....	205.0	208.0	148.0
New Mexico .....	14.0	15.0	23.0
North Carolina .....	255.0	318.0	162.0
Oklahoma .....	45.0	80.0	124.0
South Carolina .....	108.0	143.0	46.0
Tennessee .....	139.0	156.0	96.0
Texas .....	1,368.0	1,959.0	1,869.0
Virginia .....	43.0	60.0	43.0
United States .....	4,203.0	5,125.0	4,153.0

<sup>1</sup> Estimates based on 3-year average lint-seed ratio.

## Tobacco Area Harvested, Yield, and Production – States and United States: 2013-2015

State	Area harvested			Yield per acre		
	2013	2014	2015	2013	2014	2015
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Connecticut .....	(D)	(D)	(D)	(D)	(D)	(D)
Georgia .....	12,800	15,000	13,500	1,750	2,300	2,400
Kentucky .....	87,200	91,700	72,900	2,147	2,337	2,055
Massachusetts .....	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina .....	181,900	193,400	171,000	1,994	2,347	2,198
Ohio .....	2,100	2,000	1,900	2,200	2,150	1,900
Pennsylvania .....	8,900	9,100	7,900	2,389	2,445	2,290
South Carolina .....	14,500	15,800	13,000	1,700	2,100	2,000
Tennessee .....	21,400	24,250	20,800	2,083	2,151	2,330
Virginia .....	24,250	24,330	23,050	2,170	2,370	2,275
Other States <sup>1</sup> .....	2,625	2,780	2,500	1,358	1,525	1,826
United States .....	355,675	378,360	326,550	2,034	2,316	2,178

State	Production		
	2013	2014	2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Connecticut .....	(D)	(D)	(D)
Georgia .....	22,400	34,500	32,400
Kentucky .....	187,240	214,280	149,830
Massachusetts .....	(D)	(D)	(D)
North Carolina .....	362,660	453,860	375,850
Ohio .....	4,620	4,300	3,610
Pennsylvania .....	21,260	22,250	18,090
South Carolina .....	24,650	33,180	26,000
Tennessee .....	44,570	52,155	48,460
Virginia .....	52,613	57,651	52,430
Other States <sup>1</sup> .....	3,566	4,239	4,566
United States .....	723,579	876,415	711,236

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

<sup>1</sup> Includes data withheld above.

**Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2013-2015**

Class, type, and State	Area harvested		
	2013 (acres)	2014 (acres)	2015 (acres)
<b>Class 1, Flue-cured (11-14)</b>			
Georgia .....	12,800	15,000	13,500
North Carolina .....	180,000	192,000	170,000
South Carolina .....	14,500	15,800	13,000
Virginia .....	21,500	22,500	21,500
United States .....	228,800	245,300	218,000
<b>Class 2, Fire-cured (21-23)</b>			
Kentucky .....	9,000	10,700	9,900
Tennessee .....	6,900	7,600	7,600
Virginia .....	350	330	250
United States .....	16,250	18,630	17,750
<b>Class 3A, Light air-cured</b>			
Type 31, Burley			
Kentucky .....	74,000	76,000	58,000
North Carolina .....	1,900	1,400	1,000
Ohio .....	2,100	2,000	1,900
Pennsylvania .....	5,100	5,100	4,700
Tennessee .....	13,500	15,500	12,000
Virginia .....	2,400	1,500	1,300
United States .....	99,000	101,500	78,900
Type 32, Southern Maryland			
Pennsylvania .....	2,000	2,000	1,600
<b>Total light air-cured (31-32) .....</b>	<b>101,000</b>	<b>103,500</b>	<b>80,500</b>
<b>Class 3B, Dark air-cured (35-37)</b>			
Kentucky .....	4,200	5,000	5,000
Tennessee .....	1,000	1,150	1,200
United States .....	5,200	6,150	6,200
<b>Class 4, Cigar filler</b>			
Type 41, Pennsylvania Seedleaf			
Pennsylvania .....	1,800	2,000	1,600
<b>Class 5, Cigar binder</b>			
Type 51, Connecticut Valley Broadleaf			
Connecticut .....	(D)	(D)	(D)
Massachusetts .....	(D)	(D)	(D)
United States .....	(D)	(D)	(D)
<b>Class 6, Cigar wrapper</b>			
Type 61, Connecticut Valley Shade-grown			
Connecticut .....	(D)	(D)	(D)
Massachusetts .....	(D)	(D)	(D)
United States .....	(D)	(D)	(D)
<b>Other cigar types (51-61) .....</b>	<b>2,625</b>	<b>2,780</b>	<b>2,500</b>
<b>Total cigar types (41-61) .....</b>	<b>4,425</b>	<b>4,780</b>	<b>4,100</b>
<b>All Tobacco</b>			
United States .....	355,675	378,360	326,550

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: 2013-2015 (continued)**

Class, type, and State	Yield per acre			Production		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 pounds)	2014 (1,000 pounds)	2015 (1,000 pounds)
<b>Class 1, Flue-cured (11-14)</b>						
Georgia .....	1,750	2,300	2,400	22,400	34,500	32,400
North Carolina .....	2,000	2,350	2,200	360,000	451,200	374,000
South Carolina .....	1,700	2,100	2,000	24,650	33,180	26,000
Virginia .....	2,200	2,400	2,300	47,300	54,000	49,450
United States .....	1,986	2,335	2,210	454,350	572,880	481,850
<b>Class 2, Fire-cured (21-23)</b>						
Kentucky .....	3,100	3,400	3,200	27,900	36,380	31,680
Tennessee .....	3,150	2,900	3,100	21,735	22,040	23,560
Virginia .....	2,150	2,200	2,300	753	726	575
United States .....	3,101	3,175	3,145	50,388	59,146	55,815
<b>Class 3A, Light air-cured</b>						
Type 31, Burley						
Kentucky .....	2,000	2,150	1,800	148,000	163,400	104,400
North Carolina .....	1,400	1,900	1,850	2,660	2,660	1,850
Ohio .....	2,200	2,150	1,900	4,620	4,300	3,610
Pennsylvania .....	2,400	2,500	2,300	12,240	12,750	10,810
Tennessee .....	1,510	1,750	1,800	20,385	27,125	21,600
Virginia .....	1,900	1,950	1,850	4,560	2,925	2,405
United States .....	1,944	2,100	1,834	192,465	213,160	144,675
Type 32, Southern Maryland Belt						
Pennsylvania .....	2,350	2,350	2,200	4,700	4,700	3,520
<b>Total light air-cured (31-32) .....</b>	<b>1,952</b>	<b>2,105</b>	<b>1,841</b>	<b>197,165</b>	<b>217,860</b>	<b>148,195</b>
<b>Class 3B, Dark air-cured (35-37)</b>						
Kentucky .....	2,700	2,900	2,750	11,340	14,500	13,750
Tennessee .....	2,450	2,600	2,750	2,450	2,990	3,300
United States .....	2,652	2,844	2,750	13,790	17,490	17,050
<b>Class 4, Cigar filler</b>						
Type 41, Pennsylvania Seedleaf						
Pennsylvania .....	2,400	2,400	2,350	4,320	4,800	3,760
<b>Class 5, Cigar binder</b>						
Type 51 Connecticut Valley Broadleaf						
Connecticut .....	(D)	(D)	(D)	(D)	(D)	(D)
Massachusetts .....	(D)	(D)	(D)	(D)	(D)	(D)
United States .....	(D)	(D)	(D)	(D)	(D)	(D)
<b>Class 6, Cigar wrapper</b>						
Type 61, Connecticut Valley Shade-grown						
Connecticut .....	(D)	(D)	(D)	(D)	(D)	(D)
Massachusetts .....	(D)	(D)	(D)	(D)	(D)	(D)
United States .....	(D)	(D)	(D)	(D)	(D)	(D)
<b>Other cigar types (51-61) .....</b>	<b>1,358</b>	<b>1,525</b>	<b>1,826</b>	<b>3,566</b>	<b>4,239</b>	<b>4,566</b>
<b>Total cigar types (41-61) .....</b>	<b>1,782</b>	<b>1,891</b>	<b>2,031</b>	<b>7,886</b>	<b>9,039</b>	<b>8,326</b>
<b>All tobacco</b>						
United States .....	2,034	2,316	2,178	723,579	876,415	711,236

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

## Sugarbeet Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

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

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California <sup>1</sup> .....	24.4	24.3	25.0	24.3	22.5	25.0
Colorado .....	26.8	29.6	27.5	25.7	29.3	27.3
Idaho .....	175.0	170.0	171.0	174.0	169.0	169.0
Michigan .....	154.0	151.0	152.0	153.0	150.0	151.0
Minnesota .....	462.0	440.0	443.0	426.0	434.0	435.0
Montana .....	43.4	45.1	44.1	42.8	44.4	43.7
Nebraska .....	46.0	49.1	47.5	44.2	45.9	46.8
North Dakota .....	227.0	215.0	208.0	225.0	214.0	206.0
Oregon .....	9.4	7.5	9.2	9.3	7.2	9.1
Wyoming .....	30.0	30.9	31.5	29.7	30.0	31.4
United States .....	1,198.0	1,162.5	1,158.8	1,154.0	1,146.3	1,144.3

State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
California <sup>1</sup> .....	43.4	42.6	44.2	1,055	959	1,105
Colorado .....	33.5	31.3	35.1	861	917	958
Idaho .....	36.2	37.3	38.1	6,299	6,304	6,439
Michigan .....	26.2	29.3	31.7	4,009	4,395	4,787
Minnesota .....	26.0	22.5	28.0	11,076	9,765	12,180
Montana .....	29.2	32.3	32.8	1,250	1,434	1,433
Nebraska .....	29.7	29.1	28.4	1,313	1,336	1,329
North Dakota .....	25.3	23.8	27.9	5,693	5,093	5,747
Oregon .....	38.4	34.5	39.3	357	248	358
Wyoming .....	29.5	27.8	30.0	876	834	942
United States .....	28.4	27.3	30.8	32,789	31,285	35,278

<sup>1</sup> Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California.



## Sugarcane Area Harvested, Yield, and Production – States and United States: 2013-2015

State	Area harvested			Yield per acre <sup>1</sup>		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
<b>For sugar</b>						
Florida .....	400.0	392.0	409.0	34.3	38.4	39.8
Hawaii .....	15.5	14.2	16.5	87.2	88.8	86.2
Louisiana .....	410.0	386.0	385.0	30.5	29.5	31.0
Texas .....	34.1	31.5	37.0	42.4	37.9	36.0
United States .....	859.6	823.7	847.5	33.8	35.1	36.5
<b>For seed</b>						
Florida .....	16.0	16.0	16.0	42.5	42.8	43.2
Hawaii .....	2.2	2.2	2.2	20.5	20.4	20.0
Louisiana .....	32.0	25.0	25.0	30.5	29.5	31.0
Texas .....	1.0	1.6	2.0	37.0	37.9	36.0
United States .....	51.2	44.8	45.2	33.9	34.1	35.0
<b>For sugar and seed</b>						
Florida .....	416.0	408.0	425.0	34.6	38.6	39.9
Hawaii .....	17.7	16.4	18.7	78.9	79.6	78.4
Louisiana .....	442.0	411.0	410.0	30.5	29.5	31.0
Texas .....	35.1	33.1	39.0	42.3	37.9	36.0
United States .....	910.8	868.5	892.7	33.8	35.0	36.5
State	Production <sup>1</sup>					
	2013	2014	2015			
	(1,000 tons)	(1,000 tons)	(1,000 tons)			
<b>For sugar</b>						
Florida .....	13,720	15,053	16,278			
Hawaii .....	1,352	1,261	1,422			
Louisiana .....	12,505	11,387	11,935			
Texas .....	1,446	1,194	1,332			
United States .....	29,023	28,895	30,967			
<b>For seed</b>						
Florida .....	680	685	691			
Hawaii .....	45	45	44			
Louisiana .....	976	738	775			
Texas .....	37	61	72			
United States .....	1,738	1,529	1,582			
<b>For sugar and seed</b>						
Florida .....	14,400	15,738	16,969			
Hawaii .....	1,397	1,306	1,466			
Louisiana .....	13,481	12,125	12,710			
Texas .....	1,483	1,255	1,404			
United States .....	30,761	30,424	32,549			

<sup>1</sup> Net tons.

**Potato Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona .....	3.5	3.8	3.6	3.4	3.5	3.5
California .....	34.3	33.3	31.0	33.8	33.1	30.7
Colorado .....	54.8	60.2	58.2	54.6	59.8	58.0
Delaware .....	1.4	1.2	(D)	1.4	1.2	(D)
Florida .....	30.9	30.5	30.0	29.5	29.3	29.6
Idaho .....	317.0	321.0	325.0	316.0	320.0	324.0
Illinois .....	6.8	6.5	7.5	6.7	6.4	6.9
Kansas .....	4.4	4.2	3.8	4.3	4.1	3.6
Maine .....	55.0	51.0	51.0	54.0	50.5	50.5
Maryland .....	2.2	2.3	2.4	2.1	2.3	2.4
Massachusetts .....	3.9	3.6	3.6	3.9	3.6	3.6
Michigan .....	44.5	43.0	46.0	44.0	42.5	45.0
Minnesota .....	46.0	42.0	41.0	45.0	41.0	40.5
Missouri .....	9.5	8.2	8.5	9.0	7.9	8.1
Montana .....	11.3	11.5	11.0	11.1	11.3	10.9
Nebraska .....	18.5	17.0	16.0	18.3	16.9	15.8
Nevada .....	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey .....	2.4	2.0	(D)	2.4	1.9	(D)
New Mexico .....	(D)	(D)	(D)	(D)	(D)	(D)
New York .....	17.5	16.0	15.0	17.1	15.8	14.6
North Carolina .....	14.5	14.5	13.5	13.5	13.5	12.7
North Dakota .....	81.0	79.0	82.0	78.0	77.0	80.0
Ohio .....	1.9	1.6	1.6	1.8	1.5	1.5
Oregon .....	40.0	39.0	39.0	39.6	38.9	38.9
Pennsylvania .....	6.7	5.3	5.5	6.6	5.2	5.3
Rhode Island .....	0.5	0.5	0.7	0.5	0.5	0.7
Texas .....	18.0	21.0	20.0	17.7	20.6	18.2
Virginia .....	4.0	5.0	5.0	3.9	4.5	4.7
Washington .....	160.0	165.0	170.0	160.0	165.0	170.0
Wisconsin .....	62.5	65.0	63.0	62.0	64.0	62.5
Other States <sup>1</sup> .....	10.9	9.4	11.3	10.7	9.3	11.1
United States .....	1,063.9	1,062.6	1,065.2	1,050.9	1,051.1	1,053.3

See footnote(s) at end of table.

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**Potato Area Planted and Harvested, Yield, and Production – States and United States:  
2013-2015 (continued)**

State	Yield per acre			Production		
	2013 (cwt)	2014 (cwt)	2015 (cwt)	2013 (1,000 cwt)	2014 (1,000 cwt)	2015 (1,000 cwt)
Arizona .....	280	310	290	952	1,085	1,015
California .....	425	470	439	14,369	15,557	13,481
Colorado .....	372	388	394	20,304	23,196	22,857
Delaware .....	280	290	(D)	392	348	(D)
Florida .....	240	240	230	7,080	7,032	6,808
Idaho .....	415	415	402	131,131	132,880	130,320
Illinois .....	370	415	380	2,479	2,656	2,622
Kansas .....	350	340	335	1,505	1,394	1,206
Maine .....	290	290	320	15,660	14,645	16,160
Maryland .....	310	380	330	651	874	792
Massachusetts .....	260	285	300	1,014	1,026	1,080
Michigan .....	360	370	390	15,840	15,725	17,550
Minnesota .....	385	400	400	17,325	16,400	16,200
Missouri .....	300	270	305	2,700	2,133	2,471
Montana .....	310	320	320	3,441	3,616	3,488
Nebraska .....	460	470	435	8,418	7,943	6,873
Nevada .....	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey .....	230	225	(D)	552	428	(D)
New Mexico .....	(D)	(D)	(D)	(D)	(D)	(D)
New York .....	290	275	285	4,959	4,345	4,161
North Carolina .....	240	210	210	3,240	2,835	2,667
North Dakota .....	290	310	340	22,620	23,870	27,200
Ohio .....	280	280	230	504	420	345
Oregon .....	545	580	560	21,582	22,562	21,784
Pennsylvania .....	290	275	280	1,914	1,430	1,484
Rhode Island .....	260	245	245	130	123	172
Texas .....	460	335	375	8,142	6,901	6,825
Virginia .....	210	250	220	819	1,125	1,034
Washington .....	600	615	590	96,000	101,475	100,300
Wisconsin .....	420	410	440	26,040	26,240	27,500
Other States <sup>1</sup> .....	457	420	370	4,889	3,906	4,103
United States .....	414	421	418	434,652	442,170	440,498

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

<sup>1</sup> Includes data withheld above.

**Potato Area Planted and Harvested, Yield, and Production by Seasonal Group – States and United States: 2013-2015**

Seasonal group and State	Area planted			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Spring</b>						
Arizona .....	3.5	3.8	3.6	3.4	3.5	3.5
California .....	27.0	25.0	23.0	26.5	24.8	22.7
Florida .....	30.9	30.5	30.0	29.5	29.3	29.6
North Carolina .....	14.5	14.5	13.5	13.5	13.5	12.7
United States .....	75.9	73.8	70.1	72.9	71.1	68.5
<b>Summer</b>						
Delaware .....	1.4	1.2	(D)	1.4	1.2	(D)
Illinois .....	6.8	6.5	7.5	6.7	6.4	6.9
Kansas .....	4.4	4.2	3.8	4.3	4.1	3.6
Maryland .....	2.2	2.3	2.4	2.1	2.3	2.4
Missouri .....	9.5	8.2	8.5	9.0	7.9	8.1
New Jersey .....	2.4	2.0	(D)	2.4	1.9	(D)
Texas .....	18.0	21.0	20.0	17.7	20.6	18.2
Virginia .....	4.0	5.0	5.0	3.9	4.5	4.7
Other States <sup>1</sup> .....	(NA)	(NA)	3.3	(NA)	(NA)	3.2
United States .....	48.7	50.4	50.5	47.5	48.9	47.1
<b>Fall</b>						
California .....	7.3	8.3	8.0	7.3	8.3	8.0
Colorado .....	54.8	60.2	58.2	54.6	59.8	58.0
San Luis Valley .....	49.7	54.2	51.9	49.6	53.9	51.8
All other areas .....	5.1	6.0	6.3	5.0	5.9	6.2
Idaho .....	317.0	321.0	325.0	316.0	320.0	324.0
10 Southwest counties .....	17.0	16.0	18.0	17.0	16.0	18.0
Other Idaho counties .....	300.0	305.0	307.0	299.0	304.0	306.0
Maine .....	55.0	51.0	51.0	54.0	50.5	50.5
Massachusetts .....	3.9	3.6	3.6	3.9	3.6	3.6
Michigan .....	44.5	43.0	46.0	44.0	42.5	45.0
Minnesota .....	46.0	42.0	41.0	45.0	41.0	40.5
Montana .....	11.3	11.5	11.0	11.1	11.3	10.9
Nebraska .....	18.5	17.0	16.0	18.3	16.9	15.8
Nevada .....	(D)	(D)	(D)	(D)	(D)	(D)
New Mexico .....	(D)	(D)	(D)	(D)	(D)	(D)
New York .....	17.5	16.0	15.0	17.1	15.8	14.6
North Dakota .....	81.0	79.0	82.0	78.0	77.0	80.0
Ohio .....	1.9	1.6	1.6	1.8	1.5	1.5
Oregon .....	40.0	39.0	39.0	39.6	38.9	38.9
Pennsylvania .....	6.7	5.3	5.5	6.6	5.2	5.3
Rhode Island .....	0.5	0.5	0.7	0.5	0.5	0.7
Washington .....	160.0	165.0	170.0	160.0	165.0	170.0
Wisconsin .....	62.5	65.0	63.0	62.0	64.0	62.5
Other States <sup>1</sup> .....	10.9	9.4	8.0	10.7	9.3	7.9
United States .....	939.3	938.4	944.6	930.5	931.1	937.7
<b>All</b>						
United States .....	1,063.9	1,062.6	1,065.2	1,050.9	1,051.1	1,053.3

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: 2013-2015 (continued)**

Seasonal group and State	Yield per acre			Production		
	2013 (cwt)	2014 (cwt)	2015 (cwt)	2013 (1,000 cwt)	2014 (1,000 cwt)	2015 (1,000 cwt)
<b>Spring</b>						
Arizona .....	280	310	290	952	1,085	1,015
California .....	410	470	430	10,865	11,656	9,761
Florida .....	240	240	230	7,080	7,032	6,808
North Carolina .....	240	210	210	3,240	2,835	2,667
United States .....	304	318	296	22,137	22,608	20,251
<b>Summer</b>						
Delaware .....	280	290	(D)	392	348	(D)
Illinois .....	370	415	380	2,479	2,656	2,622
Kansas .....	350	340	335	1,505	1,394	1,206
Maryland .....	310	380	330	651	874	792
Missouri .....	300	270	305	2,700	2,133	2,471
New Jersey .....	230	225	(D)	552	428	(D)
Texas .....	460	335	375	8,142	6,901	6,825
Virginia .....	210	250	220	819	1,125	1,034
Other States <sup>1</sup> .....	(NA)	(NA)	245	(NA)	(NA)	784
United States .....	363	324	334	17,240	15,859	15,734
<b>Fall</b>						
California .....	480	470	465	3,504	3,901	3,720
Colorado .....	372	388	394	20,304	23,196	22,857
San Luis Valley .....	365	380	385	18,104	20,482	19,943
All other areas .....	440	460	470	2,200	2,714	2,914
Idaho .....	415	415	402	131,131	132,880	130,320
10 Southwest counties .....	520	515	525	8,840	8,240	9,450
Other Idaho counties .....	409	410	395	122,291	124,640	120,870
Maine .....	290	290	320	15,660	14,645	16,160
Massachusetts .....	260	285	300	1,014	1,026	1,080
Michigan .....	360	370	390	15,840	15,725	17,550
Minnesota .....	385	400	400	17,325	16,400	16,200
Montana .....	310	320	320	3,441	3,616	3,488
Nebraska .....	460	470	435	8,418	7,943	6,873
Nevada .....	(D)	(D)	(D)	(D)	(D)	(D)
New Mexico .....	(D)	(D)	(D)	(D)	(D)	(D)
New York .....	290	275	285	4,959	4,345	4,161
North Dakota .....	290	310	340	22,620	23,870	27,200
Ohio .....	280	280	230	504	420	345
Oregon .....	545	580	560	21,582	22,562	21,784
Pennsylvania .....	290	275	280	1,914	1,430	1,484
Rhode Island .....	260	245	245	130	123	172
Washington .....	600	615	590	96,000	101,475	100,300
Wisconsin .....	420	410	440	26,040	26,240	27,500
Other States <sup>1</sup> .....	457	420	420	4,889	3,906	3,319
United States .....	425	434	431	395,275	403,703	404,513
<b>All</b>						
United States .....	414	421	418	434,652	442,170	440,498

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

(NA) Not available.

<sup>1</sup> Includes data withheld above.

**Sweet Potato Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	2.5	2.1	2.6	2.4	2.0	2.5
Arkansas .....	4.0	4.0	4.0	3.9	3.9	3.8
California .....	19.0	19.0	18.5	19.0	19.0	18.5
Florida .....	6.0	6.0	5.6	5.9	5.9	5.4
Louisiana .....	8.0	9.0	10.0	7.5	8.8	9.0
Mississippi .....	20.0	22.0	27.0	19.5	21.5	26.0
New Jersey .....	1.2	1.2	1.2	1.2	1.2	1.2
North Carolina .....	54.0	73.0	87.0	53.0	72.0	86.0
Texas .....	1.0	1.0	1.0	0.8	0.9	0.7
United States .....	115.7	137.3	156.9	113.2	135.2	153.1
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Alabama .....	173	220	220	415	440	550
Arkansas .....	180	200	195	702	780	741
California .....	360	275	340	6,840	5,225	6,290
Florida .....	142	200	205	838	1,180	1,107
Louisiana .....	220	230	220	1,650	2,024	1,980
Mississippi .....	180	175	145	3,510	3,763	3,770
New Jersey .....	125	160	140	150	192	168
North Carolina .....	200	220	190	10,600	15,840	16,340
Texas .....	100	155	100	80	140	70
United States .....	219	219	203	24,785	29,584	31,016

**Dry Edible Bean Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona .....	10.0	11.0	9.1	10.0	10.9	9.1
California .....	50.0	48.0	45.0	49.5	47.5	44.5
Colorado .....	39.0	46.0	50.0	36.0	44.0	46.5
Idaho .....	125.0	125.0	120.0	124.0	124.0	119.0
Kansas .....	5.0	7.5	8.0	4.8	6.9	7.8
Michigan .....	175.0	230.0	275.0	172.0	226.0	272.0
Minnesota .....	125.0	155.0	190.0	120.0	148.0	182.0
Montana .....	24.0	37.5	49.0	23.6	37.0	47.3
Nebraska .....	130.0	170.0	140.0	117.0	156.5	131.0
New Mexico .....	10.0	10.5	12.9	9.5	10.5	12.9
New York .....	9.0	8.0	8.0	8.8	7.7	7.8
North Dakota .....	440.0	630.0	655.0	430.0	615.0	635.0
Oregon .....	8.3	8.5	9.0	8.2	8.5	9.0
South Dakota .....	12.0	14.0	12.5	11.5	12.9	11.6
Texas .....	33.0	23.0	31.0	30.0	21.0	28.0
Washington .....	120.0	127.7	110.0	119.0	126.7	109.0
Wisconsin .....	5.4	7.9	7.9	5.4	7.9	7.9
Wyoming .....	39.0	42.0	32.0	37.0	37.6	31.0
United States .....	1,359.7	1,701.6	1,764.4	1,316.3	1,648.6	1,711.4
State	Yield per acre <sup>1</sup>			Production <sup>1</sup>		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Arizona .....	1,680	1,940	2,070	168	211	188
California .....	2,320	2,230	2,310	1,150	1,061	1,029
Colorado .....	1,500	1,900	1,820	540	835	846
Idaho .....	1,900	1,800	1,800	2,356	2,229	2,141
Kansas .....	1,790	1,710	2,500	86	118	195
Michigan .....	1,900	1,940	2,030	3,270	4,375	5,533
Minnesota .....	1,950	1,950	2,140	2,340	2,886	3,896
Montana .....	1,920	1,630	1,340	453	603	634
Nebraska .....	2,350	2,500	2,380	2,750	3,916	3,117
New Mexico .....	2,040	1,900	2,050	194	200	264
New York .....	1,820	1,490	1,510	160	115	118
North Dakota .....	1,650	1,430	1,400	7,095	8,795	8,901
Oregon .....	2,260	2,250	2,300	185	191	207
South Dakota .....	2,000	1,880	1,770	230	243	205
Texas .....	1,220	1,220	1,400	366	256	392
Washington .....	1,820	1,480	1,450	2,165	1,881	1,582
Wisconsin .....	1,810	2,480	2,030	98	196	160
Wyoming .....	2,620	2,130	2,300	970	799	713
United States .....	1,867	1,754	1,760	24,576	28,910	30,121

<sup>1</sup> Clean basis.

**Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2013-2015**

Class and State	Area planted			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Large lima</b>						
California .....	6.7	8.1	10.7	6.6	7.9	10.5
<b>Baby lima</b>						
California .....	6.8	14.9	8.9	6.8	14.9	8.9
<b>Navy</b>						
Idaho .....	2.1	1.5	( <sup>1</sup> )	2.1	1.5	( <sup>1</sup> )
Michigan .....	60.0	75.0	80.0	59.6	74.3	79.8
Minnesota .....	36.2	50.4	49.5	35.2	47.2	47.1
Nebraska .....	( <sup>1</sup> )	( <sup>1</sup> )	1.0	( <sup>1</sup> )	( <sup>1</sup> )	1.0
North Dakota .....	71.0	107.0	102.0	70.0	104.0	98.5
Oregon .....	2.3	( <sup>1</sup> )	( <sup>1</sup> )	2.3	( <sup>1</sup> )	( <sup>1</sup> )
South Dakota .....	1.7	5.2	2.9	1.6	4.8	2.7
Washington .....	( <sup>1</sup> )	1.1	( <sup>1</sup> )	( <sup>1</sup> )	1.1	( <sup>1</sup> )
Wyoming .....	0.9	0.5	( <sup>1</sup> )	0.9	0.4	( <sup>1</sup> )
United States .....	174.2	240.7	235.4	171.7	233.3	229.1
<b>Great northern</b>						
Idaho .....	2.5	4.0	2.7	2.5	4.0	2.7
Minnesota .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Nebraska .....	62.0	79.3	37.0	54.5	72.3	34.7
North Dakota .....	6.0	10.3	5.0	5.7	10.1	4.9
Washington .....	-	( <sup>1</sup> )	( <sup>1</sup> )	-	( <sup>1</sup> )	( <sup>1</sup> )
Wyoming .....	5.0	13.5	( <sup>1</sup> )	5.0	12.5	( <sup>1</sup> )
United States .....	75.5	107.1	44.7	67.7	98.9	42.3
<b>Small white</b>						
Idaho .....	( <sup>1</sup> )	2.3	2.0	( <sup>1</sup> )	2.3	2.0
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	1.4	( <sup>1</sup> )	( <sup>1</sup> )	1.4
Washington .....	( <sup>1</sup> )	( <sup>1</sup> )	1.7	( <sup>1</sup> )	( <sup>1</sup> )	1.7
United States .....	( <sup>1</sup> )	2.3	5.1	( <sup>1</sup> )	2.3	5.1

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: 2013-2015 (continued)**

Class and State	Yield per acre <sup>2</sup>			Production <sup>2</sup>		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 cwt)	2014 (1,000 cwt)	2015 (1,000 cwt)
<b>Large lima</b>						
California .....	2,860	2,410	2,450	189	190	257
<b>Baby lima</b>						
California .....	2,620	2,010	2,500	178	299	223
<b>Navy</b>						
Idaho .....	2,290	2,600	( <sup>1</sup> )	48	39	( <sup>1</sup> )
Michigan .....	2,110	2,180	2,140	1,256	1,620	1,708
Minnesota .....	1,960	1,820	2,300	690	859	1,083
Nebraska .....	( <sup>1</sup> )	( <sup>1</sup> )	2,500	( <sup>1</sup> )	( <sup>1</sup> )	25
North Dakota .....	1,860	1,560	1,720	1,299	1,622	1,694
Oregon .....	2,400	( <sup>1</sup> )	( <sup>1</sup> )	57	( <sup>1</sup> )	( <sup>1</sup> )
South Dakota .....	1,690	2,070	1,800	27	99	49
Washington .....	( <sup>1</sup> )	2,360	( <sup>1</sup> )	( <sup>1</sup> )	26	( <sup>1</sup> )
Wyoming .....	2,770	2,000	( <sup>1</sup> )	25	8	( <sup>1</sup> )
United States .....	1,981	1,832	1,990	3,402	4,273	4,559
<b>Great northern</b>						
Idaho .....	2,680	2,400	2,700	67	96	73
Minnesota .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Nebraska .....	2,280	2,550	2,200	1,243	1,844	763
North Dakota .....	1,490	1,800	1,610	85	182	79
Washington .....	-	( <sup>1</sup> )	( <sup>1</sup> )	-	( <sup>1</sup> )	( <sup>1</sup> )
Wyoming .....	2,400	2,100	( <sup>1</sup> )	120	263	( <sup>1</sup> )
United States .....	2,238	2,412	2,163	1,515	2,385	915
<b>Small white</b>						
Idaho .....	( <sup>1</sup> )	1,830	2,000	( <sup>1</sup> )	42	40
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	2,430	( <sup>1</sup> )	( <sup>1</sup> )	34
Washington .....	( <sup>1</sup> )	( <sup>1</sup> )	2,410	( <sup>1</sup> )	( <sup>1</sup> )	41
United States .....	( <sup>1</sup> )	1,830	2,255	( <sup>1</sup> )	42	115

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: 2013-2015 (continued)**

Class and State	Area planted			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Pinto</b>						
Arizona .....	4.8	4.8	3.7	4.8	4.8	3.7
Colorado .....	31.0	35.0	37.0	28.0	33.5	34.5
Idaho .....	23.0	19.0	19.0	22.8	19.0	19.0
Kansas .....	3.6	5.5	6.3	3.5	5.4	6.2
Michigan .....	2.3	2.0	2.1	2.2	1.9	2.0
Minnesota .....	11.6	9.8	10.7	11.2	9.3	10.3
Montana .....	5.8	6.0	4.4	5.7	5.8	4.3
Nebraska .....	53.3	72.6	78.1	48.1	66.8	77.3
New Mexico .....	10.0	10.5	12.9	9.5	10.5	12.9
North Dakota .....	302.0	404.0	369.0	295.0	397.0	360.0
Oregon .....	1.5	1.0	( <sup>1</sup> )	1.5	1.0	( <sup>1</sup> )
South Dakota .....	1.6	2.9	2.9	1.6	2.7	2.7
Washington .....	10.7	12.0	9.0	10.6	12.0	9.0
Wyoming .....	23.9	24.8	25.0	22.0	22.4	24.1
United States .....	485.1	609.9	580.1	466.5	592.1	566.0
<b>Light red kidney</b>						
California .....	2.6	1.9	0.9	2.6	1.9	0.9
Colorado .....	3.0	5.6	8.0	3.0	5.3	7.5
Idaho .....	1.0	1.7	2.1	1.0	1.7	2.1
Michigan .....	7.9	8.3	9.1	7.8	8.2	8.9
Minnesota .....	15.5	17.2	22.8	14.8	16.9	21.9
Nebraska .....	8.3	12.3	17.6	8.2	11.8	12.0
New York .....	2.7	3.7	2.3	2.6	3.5	2.2
Oregon .....	0.7	0.9	0.8	0.7	0.9	0.8
Washington .....	1.5	3.6	3.6	1.4	3.6	3.6
United States .....	43.2	55.2	67.2	42.1	53.8	59.9
<b>Dark red kidney</b>						
California .....	0.8	1.4	3.0	0.8	1.4	3.0
Idaho .....	0.6	1.5	1.5	0.6	1.5	1.5
Michigan .....	2.3	3.3	4.5	2.2	2.7	3.8
Minnesota .....	34.1	39.9	53.1	31.5	38.4	50.5
New York .....	1.6	1.4	2.4	1.6	1.4	2.3
North Dakota .....	1.4	1.7	3.2	1.3	1.4	3.1
Oregon .....	0.5	( <sup>1</sup> )	0.8	0.4	( <sup>1</sup> )	0.8
Washington .....	( <sup>1</sup> )	3.5	2.9	( <sup>1</sup> )	3.5	2.9
Wisconsin <sup>3</sup> .....	5.4	6.6	7.9	5.4	6.6	7.9
United States .....	46.7	59.3	79.3	43.8	56.9	75.8

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: 2013-2015 (continued)**

Class and State	Yield per acre <sup>2</sup>			Production <sup>2</sup>		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 cwt)	2014 (1,000 cwt)	2015 (1,000 cwt)
<b>Pinto</b>						
Arizona .....	1,750	1,900	2,100	84	91	78
Colorado .....	1,370	1,840	1,830	384	616	631
Idaho .....	2,610	2,470	2,640	595	469	502
Kansas .....	1,800	1,700	2,500	63	92	155
Michigan .....	1,840	1,600	1,580	40	30	32
Minnesota .....	1,640	1,530	1,700	184	142	175
Montana .....	2,400	2,200	2,000	137	128	86
Nebraska .....	2,440	2,410	2,430	1,174	1,610	1,878
New Mexico .....	2,040	1,900	2,050	194	200	264
North Dakota .....	1,620	1,430	1,370	4,765	5,677	4,932
Oregon .....	2,530	2,300	( <sup>1</sup> )	38	23	( <sup>1</sup> )
South Dakota .....	2,400	2,360	1,900	38	64	51
Washington .....	2,680	2,210	2,500	284	265	225
Wyoming .....	2,300	2,150	2,250	506	482	542
United States .....	1,819	1,670	1,687	8,486	9,889	9,551
<b>Light red kidney</b>						
California .....	1,460	2,420	1,890	38	46	17
Colorado .....	1,880	2,180	1,790	56	116	134
Idaho .....	2,400	2,530	2,100	24	43	44
Michigan .....	1,620	1,590	1,800	127	130	160
Minnesota .....	2,130	2,130	2,000	315	360	438
Nebraska .....	2,260	2,780	2,480	185	328	298
New York .....	1,920	1,390	1,360	50	49	30
Oregon .....	2,000	2,560	2,500	14	23	20
Washington .....	2,570	1,940	2,310	36	70	83
United States .....	2,007	2,165	2,043	845	1,165	1,224
<b>Dark red kidney</b>						
California .....	2,000	1,860	1,970	16	26	59
Idaho .....	2,330	2,200	2,330	14	33	35
Michigan .....	890	930	1,340	20	25	51
Minnesota .....	1,980	2,070	2,160	624	795	1,091
New York .....	2,120	1,890	1,890	34	26	43
North Dakota .....	1,920	1,380	1,680	25	19	52
Oregon .....	1,750	( <sup>1</sup> )	2,380	7	( <sup>1</sup> )	19
Washington .....	( <sup>1</sup> )	2,090	2,210	( <sup>1</sup> )	73	64
Wisconsin <sup>3</sup> .....	1,820	2,490	2,020	98	164	160
United States .....	1,913	2,040	2,077	838	1,161	1,574

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: 2013-2015 (continued)**

Class and State	Area planted			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Pink</b>						
California .....	0.6	-	-	0.6	-	-
Idaho .....	6.9	6.0	5.0	6.7	6.0	5.0
Minnesota .....	5.8	4.3	4.1	5.8	4.0	4.0
North Dakota .....	8.2	11.1	9.9	7.9	11.0	9.6
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	-	( <sup>1</sup> )	( <sup>1</sup> )	-
Washington .....	2.0	1.0	0.5	1.9	1.0	0.5
United States .....	23.5	22.4	19.5	22.9	22.0	19.1
<b>Small red</b>						
Idaho .....	7.6	8.0	12.0	7.5	8.0	12.0
Michigan .....	15.5	20.0	27.8	15.4	19.6	27.3
Minnesota .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
North Dakota .....	1.9	2.7	7.3	1.8	2.6	7.0
Washington .....	1.0	4.0	6.6	1.0	4.0	6.6
United States .....	26.0	34.7	53.7	25.7	34.2	52.9
<b>Cranberry</b>						
California .....	0.6	0.8	0.4	0.6	0.8	0.4
Idaho .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Michigan .....	3.5	5.0	6.1	3.4	4.9	5.9
Minnesota .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Washington .....	-	-	1.7	-	-	1.7
United States .....	4.1	5.8	8.2	4.0	5.7	8.0
<b>Black</b>						
Idaho .....	1.4	1.4	2.8	1.4	1.4	2.8
Michigan .....	78.5	110.0	140.0	76.5	108.0	139.0
Minnesota .....	15.2	23.4	34.3	14.9	23.1	33.0
Nebraska .....	3.8	3.9	4.0	3.7	3.7	3.8
New York .....	3.9	1.9	2.0	3.8	1.8	2.0
North Dakota .....	37.5	80.0	142.0	36.8	76.0	135.8
Oregon .....	0.6	0.8	1.1	0.6	0.8	1.1
Washington .....	2.2	5.0	6.2	2.0	5.0	6.2
United States .....	143.1	226.4	332.4	139.7	219.8	323.7
<b>Blackeye</b>						
Arizona .....	( <sup>1</sup> )	2.4	( <sup>1</sup> )	( <sup>1</sup> )	2.4	( <sup>1</sup> )
California .....	10.8	7.4	8.2	10.7	7.4	8.2
Texas .....	31.0	21.5	29.0	28.1	20.0	27.0
United States .....	41.8	31.3	37.2	38.8	29.8	35.2
<b>Small chickpeas <sup>4</sup></b>						
Idaho .....	15.0	29.0	32.0	14.8	29.0	32.0
Montana .....	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota .....	3.2	2.0	5.0	3.1	1.9	4.8
Oregon .....	(D)	(D)	(D)	(D)	(D)	(D)
South Dakota .....	0.9	(D)	-	0.9	(D)	-
Washington .....	17.0	22.0	20.0	16.5	22.0	20.0
Other States <sup>5</sup> .....	12.1	13.8	15.2	11.9	13.7	15.1
United States .....	48.2	66.8	72.2	47.2	66.6	71.9

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: 2013-2015 (continued)**

Class and State	Yield per acre <sup>2</sup>			Production <sup>2</sup>		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 cwt)	2014 (1,000 cwt)	2015 (1,000 cwt)
<b>Pink</b>						
California .....	2,170	-	-	13	-	-
Idaho .....	2,690	2,600	2,440	180	156	122
Minnesota .....	1,760	1,750	1,820	102	70	73
North Dakota .....	1,630	1,030	1,380	129	113	132
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	-	( <sup>1</sup> )	( <sup>1</sup> )	-
Washington .....	2,740	2,700	2,600	52	27	13
United States .....	2,079	1,664	1,780	476	366	340
<b>Small red</b>						
Idaho .....	2,760	2,630	2,330	207	210	280
Michigan .....	1,850	1,830	2,020	285	359	551
Minnesota .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
North Dakota .....	1,670	1,970	1,760	30	51	123
Washington .....	2,600	2,200	2,300	26	88	152
United States .....	2,132	2,070	2,091	548	708	1,106
<b>Cranberry</b>						
California .....	1,670	2,380	1,750	10	19	7
Idaho .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Michigan .....	1,260	1,460	1,710	43	72	101
Minnesota .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Washington .....	-	-	2,290	-	-	39
United States .....	1,325	1,596	1,838	53	91	147
<b>Black</b>						
Idaho .....	2,930	2,570	2,540	41	36	71
Michigan .....	1,900	1,920	2,050	1,455	2,074	2,850
Minnesota .....	1,880	2,030	2,200	280	469	726
Nebraska .....	2,510	2,760	2,750	93	102	105
New York .....	1,620	1,150	1,330	62	21	27
North Dakota .....	1,480	1,300	1,210	545	988	1,643
Oregon .....	1,830	2,750	2,220	11	22	24
Washington .....	2,900	2,460	2,400	58	123	149
United States .....	1,822	1,745	1,728	2,545	3,835	5,595
<b>Blackeye</b>						
Arizona .....	( <sup>1</sup> )	2,300	( <sup>1</sup> )	( <sup>1</sup> )	55	( <sup>1</sup> )
California .....	2,770	2,390	2,280	296	177	187
Texas .....	1,220	1,220	1,400	343	244	378
United States .....	1,647	1,597	1,605	639	476	565
<b>Small chickpeas <sup>4</sup></b>						
Idaho .....	1,540	1,410	1,400	228	409	448
Montana .....	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota .....	1,810	1,550	1,600	56	29	77
Oregon .....	(D)	(D)	(D)	(D)	(D)	(D)
South Dakota .....	1,670	(D)	(D)	15	(D)	(D)
Washington .....	1,750	1,180	1,080	289	260	216
Other States <sup>5</sup> .....	1,890	1,496	1,106	225	205	167
United States .....	1,722	1,356	1,263	813	903	908

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: 2013-2015 (continued)**

Class and State	Area planted			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Large chickpeas <sup>6</sup></b>						
California .....	11.3	9.3	7.7	11.1	9.0	7.5
Idaho .....	63.0	45.0	38.0	62.7	44.0	37.0
Montana .....	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska .....	-	-	0.2	-	-	0.2
North Dakota .....	6.7	4.4	2.4	6.4	4.3	2.3
Oregon .....	(D)	(D)	(D)	(D)	(D)	(D)
South Dakota .....	4.7	(D)	3.2	4.5	(D)	2.9
Washington .....	80.0	68.0	55.0	80.0	67.0	54.0
Other States <sup>5</sup> .....	6.8	21.6	28.8	6.7	21.2	27.3
United States .....	172.5	148.3	135.3	171.4	145.5	131.2
<b>All chickpeas (Garbanzo)</b>						
California .....	11.3	9.3	7.7	11.1	9.0	7.5
Idaho .....	78.0	74.0	70.0	77.5	73.0	69.0
Montana .....	18.0	31.5	43.0	17.7	31.2	41.4
Nebraska .....	-	-	0.2	-	-	0.2
North Dakota .....	9.9	6.4	7.4	9.5	6.2	7.1
Oregon .....	0.9	1.1	1.0	0.9	1.1	1.0
South Dakota .....	5.6	2.8	3.2	5.4	2.6	2.9
Washington .....	97.0	90.0	75.0	96.5	89.0	74.0
United States .....	220.7	215.1	207.5	218.6	212.1	203.1
<b>Other</b>						
Arizona .....	5.2	3.8	5.4	5.2	3.7	5.4
California .....	9.8	4.2	5.2	9.7	4.2	5.1
Colorado .....	5.0	5.4	5.0	5.0	5.2	4.5
Idaho .....	1.9	5.6	2.9	1.9	5.6	2.9
Kansas .....	1.4	2.0	1.7	1.3	1.5	1.6
Michigan .....	5.0	6.4	5.4	4.9	6.4	5.3
Minnesota .....	6.6	10.0	15.5	6.6	9.1	15.2
Montana .....	0.2	-	1.6	0.2	-	1.6
Nebraska .....	2.6	1.9	2.1	2.5	1.9	2.0
New York .....	0.8	1.0	1.3	0.8	1.0	1.3
North Dakota .....	2.1	6.8	9.2	2.0	6.7	9.0
Oregon .....	1.8	4.7	3.9	1.8	4.7	3.9
South Dakota .....	3.1	3.1	3.5	2.9	2.8	3.3
Texas .....	2.0	1.5	2.0	1.9	1.0	1.0
Washington .....	5.6	7.5	2.8	5.6	7.5	2.8
Wisconsin .....	-	1.3	-	-	1.3	-
Wyoming .....	9.2	3.2	7.0	9.1	2.3	6.9
United States .....	62.3	68.4	74.5	61.4	64.9	71.8
<b>All dry edible beans</b>						
United States .....	1,359.7	1,701.6	1,764.4	1,316.3	1,648.6	1,711.4

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: 2013-2015 (continued)**

Class and State	Yield per acre <sup>2</sup>			Production <sup>2</sup>		
	2013 (pounds)	2014 (pounds)	2015 (pounds)	2013 (1,000 cwt)	2014 (1,000 cwt)	2015 (1,000 cwt)
<b>Large chickpeas <sup>6</sup></b>						
California .....	2,300	2,400	2,490	255	216	187
Idaho .....	1,440	1,260	1,220	904	554	451
Montana .....	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska .....	-	-	870	-	-	2
North Dakota .....	1,920	1,100	700	123	47	16
Oregon .....	(D)	(D)	(D)	(D)	(D)	(D)
South Dakota .....	1,770	(D)	1,600	80	(D)	46
Washington .....	1,600	1,140	1,000	1,280	764	540
Other States <sup>5</sup> .....	1,550	1,519	1,366	104	322	373
United States .....	1,602	1,308	1,231	2,746	1,903	1,615
<b>All chickpeas (Garbanzo)</b>						
California .....	2,300	2,400	2,490	255	216	187
Idaho .....	1,460	1,320	1,300	1,132	963	899
Montana .....	1,760	1,520	1,270	312	475	527
Nebraska .....	-	-	870	-	-	2
North Dakota .....	1,880	1,230	1,310	179	76	93
Oregon .....	1,890	1,360	1,300	17	15	13
South Dakota .....	1,760	1,420	1,590	95	37	46
Washington .....	1,630	1,150	1,020	1,569	1,024	756
United States .....	1,628	1,323	1,242	3,559	2,806	2,523
<b>Other</b>						
Arizona .....	1,620	1,760	2,040	84	65	110
California .....	1,600	2,100	1,800	155	88	92
Colorado .....	2,000	1,980	1,800	100	103	81
Idaho .....	2,530	2,540	2,590	48	142	75
Kansas .....	1,770	1,730	2,500	23	26	40
Michigan .....	900	1,020	1,510	44	65	80
Minnesota .....	2,200	2,100	2,040	145	191	310
Montana .....	2,020	-	1,310	4	-	21
Nebraska .....	2,200	1,680	2,300	55	32	46
New York .....	1,780	1,900	1,380	14	19	18
North Dakota .....	1,900	1,000	1,700	38	67	153
Oregon .....	2,280	2,300	2,490	41	108	97
South Dakota .....	2,410	1,540	1,790	70	43	59
Texas .....	1,220	1,200	1,400	23	12	14
Washington .....	2,500	2,470	2,140	140	185	60
Wisconsin .....	-	2,460	-	-	32	-
Wyoming .....	3,500	2,000	2,480	319	46	171
United States .....	2,122	1,886	1,987	1,303	1,224	1,427
<b>All dry edible beans</b>						
United States .....	1,867	1,754	1,760	24,576	28,910	30,121

- Represents zero.

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

<sup>1</sup> Data are included in "Other" class to avoid disclosing data for individual operations.

<sup>2</sup> Clean basis.

<sup>3</sup> Includes light red kidney to avoid disclosure of individual operations.

<sup>4</sup> Chickpeas (or Garbanzo beans) smaller than 20/64 inches.

<sup>5</sup> Includes data withheld above.

<sup>6</sup> Chickpeas (or Garbanzo beans) larger than 20/64 inches.

**Lentil Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015**

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho .....	31.0	25.0	33.0	30.0	24.0	32.0
Montana .....	140.0	130.0	235.0	129.0	119.0	222.0
North Dakota .....	129.0	75.0	165.0	126.0	66.0	163.0
Washington .....	62.0	51.0	60.0	62.0	50.0	59.0
United States .....	362.0	281.0	493.0	347.0	259.0	476.0

State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	1,300	1,100	800	390	264	256
Montana .....	1,500	1,480	1,100	1,935	1,761	2,442
North Dakota .....	1,400	1,320	1,310	1,764	871	2,135
Washington .....	1,500	1,100	750	930	550	443
United States .....	1,446	1,331	1,108	5,019	3,446	5,276

**Wrinkled Seed Pea Production – States and United States: 2013-2015**

State	Production		
	2013	2014	2015
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	110	138	154
Washington .....	165	480	230
United States .....	275	618	384



## Dry Edible Pea Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

[Excludes both wrinkled seed peas and Austrian winter peas]

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho .....	37.0	46.0	51.0	36.0	44.0	50.0
Montana .....	440.0	525.0	595.0	395.0	504.0	550.0
North Dakota .....	295.0	265.0	385.0	280.0	255.0	375.0
Oregon .....	8.0	9.0	7.0	7.0	8.5	6.5
Washington .....	80.0	90.0	105.0	79.0	88.0	102.0
United States .....	860.0	935.0	1,143.0	797.0	899.5	1,083.5
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	2,200	1,800	1,400	792	792	700
Montana .....	1,800	1,800	1,450	7,110	9,072	7,975
North Dakota .....	2,050	2,130	2,150	5,740	5,432	8,063
Oregon .....	2,300	2,200	1,800	161	187	117
Washington .....	2,300	1,900	1,400	1,817	1,672	1,428
United States .....	1,960	1,907	1,687	15,620	17,155	18,283

## Austrian Winter Pea Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho .....	5.0	9.0	13.0	4.0	7.5	11.0
Montana .....	10.0	12.0	15.0	8.0	7.0	5.0
Oregon .....	3.0	3.0	6.0	2.1	2.3	5.0
United States .....	18.0	24.0	34.0	14.1	16.8	21.0
State	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	1,700	1,600	1,200	68	120	132
Montana .....	1,550	1,100	1,050	124	77	53
Oregon .....	1,710	1,500	1,500	36	35	75
United States .....	1,617	1,381	1,238	228	232	260

## Hop Area Harvested, Yield, and Production by Variety – States and United States: 2013-2015

State and variety	Area harvested			Yield per acre		
	2013 (acres)	2014 (acres)	2015 (acres)	2013 (pounds)	2014 (pounds)	2015 (pounds)
<b>Idaho</b>						
Apollo <sup>R</sup> .....	291	285	286	2,230	2,004	2,062
Bravo <sup>R</sup> .....	136	126	166	2,430	2,579	2,625
Calypso .....	-	-	81	-	-	1,710
Cascade .....	628	821	770	1,224	1,746	1,633
Centennial .....	57	74	(D)	1,004	754	(D)
Chinook .....	324	344	358	1,801	1,673	1,850
Citra <sup>TM</sup> .....	19	91	412	1,011	1,200	1,271
Crystal .....	-	29	(D)	-	2,186	(D)
El Dorado <sup>R</sup> .....	14	63	205	971	1,144	1,125
Mosaic <sup>TM</sup> .....	-	-	272	-	-	2,278
Simcoe <sup>R</sup> .....	-	67	199	-	969	1,576
Super Galena <sup>R</sup> .....	275	161	92	2,201	2,165	2,189
Zeus .....	548	662	661	3,049	2,891	2,909
Experimental .....	5	41	72	2,800	1,366	1,269
Other Varieties <sup>1</sup> .....	1,059	979	1,289	1,063	1,354	1,348
Total .....	3,356	3,743	4,863	1,740	1,847	1,794
<b>Oregon</b>						
Cascade .....	423	961	1,085	1,483	1,402	1,994
Centennial .....	249	443	631	1,585	1,095	1,352
Chinook .....	-	-	129	-	-	1,860
Citra <sup>TM</sup> .....	-	-	246	-	-	980
Crystal .....	-	-	377	-	-	2,011
Fuggle .....	91	(D)	85	827	(D)	1,066
Golding .....	194	234	238	1,148	955	837
Liberty .....	(D)	(D)	210	(D)	(D)	1,360
Magnum .....	104	176	199	1,406	1,077	1,572
Mt. Hood .....	221	269	288	1,567	1,450	1,276
Nugget .....	1,667	1,363	1,484	2,053	1,978	1,888
Perle .....	55	100	(D)	1,178	1,057	(D)
Simcoe <sup>R</sup> .....	-	-	191	-	-	1,678
Sterling .....	122	130	209	1,621	1,423	1,344
Super Galena <sup>R</sup> .....	204	125	82	1,852	2,309	2,340
Tettnanger .....	(D)	(D)	133	(D)	(D)	1,242
Willamette .....	553	564	661	1,491	1,453	1,226
Experimental .....	35	(D)	(D)	1,734	(D)	(D)
Other varieties <sup>1</sup> .....	917	1,045	364	1,931	1,426	1,609
Total .....	4,835	5,410	6,612	1,764	1,520	1,613

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:  
2013-2015 (continued)**

State and variety	Production		
	2013 (1,000 pounds)	2014 (1,000 pounds)	2015 (1,000 pounds)
<b>Idaho</b>			
Apollo <sup>R</sup> .....	649.0	571.1	589.6
Bravo <sup>R</sup> .....	330.5	324.9	435.7
Calypso .....	-	-	138.5
Cascade .....	768.9	1,433.1	1,257.8
Centennial .....	57.2	55.8	(D)
Chinook .....	583.4	575.4	662.2
Citra <sup>TM</sup> .....	19.2	109.2	523.7
Crystal .....	-	63.4	(D)
El Dorado <sup>R</sup> .....	13.6	72.1	230.6
Mosaic <sup>TM</sup> .....	-	-	619.7
Simcoe <sup>R</sup> .....	-	64.9	313.6
Super Galena <sup>R</sup> .....	605.4	348.5	201.4
Zeus .....	1,670.8	1,913.9	1,922.8
Experimental .....	14.0	56.0	91.4
Other Varieties <sup>1</sup> .....	1,125.9	1,325.5	1,737.9
<b>Total</b> .....	<b>5,837.9</b>	<b>6,913.8</b>	<b>8,724.9</b>
<b>Oregon</b>			
Cascade .....	627.1	1,347.4	2,163.0
Centennial .....	394.6	485.2	853.3
Chinook .....	-	-	240.0
Citra <sup>TM</sup> .....	-	-	241.0
Crystal .....	-	-	758.1
Fuggle .....	75.3	(D)	90.6
Golding .....	222.7	223.5	199.3
Liberty .....	(D)	(D)	285.6
Magnum .....	146.2	189.6	312.9
Mt. Hood .....	346.2	390.0	367.6
Nugget .....	3,422.0	2,696.4	2,802.1
Perle .....	64.8	105.7	(D)
Simco <sup>R</sup> .....	-	-	320.5
Sterling .....	197.8	185.0	280.8
Super Galena <sup>R</sup> .....	377.8	288.6	191.9
Tettnanger .....	(D)	(D)	165.2
Willamette .....	824.7	819.5	810.3
Experimental .....	60.7	(D)	(D)
Other varieties <sup>1</sup> .....	1,770.6	1,490.1	585.6
<b>Total</b> .....	<b>8,530.5</b>	<b>8,221.0</b>	<b>10,667.8</b>

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:  
2013-2015 (continued)**

State and variety	Area harvested			Yield per acre		
	2013 (acres)	2014 (acres)	2015 (acres)	2013 (pounds)	2014 (pounds)	2015 (pounds)
<b>Washington</b>						
ADHA-483 Azacca™	-	79	175	-	1,704	1,872
ADHA-881 Jarrylo™	-	75	122	-	1,548	1,541
Ahtanum™	211	194	145	1,647	1,680	1,557
Apollo <sup>R</sup>	701	700	708	2,926	2,649	2,738
Bravo <sup>R</sup>	493	584	569	2,860	2,768	2,824
Cascade	4,237	4,837	4,935	1,723	1,824	1,936
Centennial	1,869	2,836	3,770	1,554	1,347	1,145
Chinook	1,415	1,297	1,300	1,987	1,815	1,793
Citra™	1,296	1,670	2,335	1,405	1,570	1,541
Cluster	802	728	666	1,948	1,825	1,705
Columbus/Tomahawk <sup>R</sup>	2,336	1,738	1,673	2,571	2,629	2,524
Comet	-	-	108	-	-	1,780
Crystal	214	181	131	1,286	1,366	1,183
El Dorado <sup>R</sup>	82	82	243	1,761	2,206	2,154
Galena	440	306	295	1,969	1,801	1,968
Glacier	98	126	155	1,258	1,202	996
Golding	105	94	53	1,010	772	854
Magnum	-	-	108	-	-	1,255
Millennium	420	113	(D)	2,266	1,996	(D)
Mosiac™	382	671	1,528	1,709	2,225	2,036
Mt. Hood	168	150	130	1,161	1,333	1,069
Northern Brewer	170	131	123	1,256	1,244	991
Nugget	395	265	202	1,931	1,583	1,927
Simcoe <sup>R</sup>	1,298	1,819	2,916	1,682	1,542	1,540
Summit™	2,844	2,522	1,620	1,873	2,105	1,969
Super Galena <sup>R</sup>	771	606	351	2,816	2,562	2,729
Tettnanger	95	(D)	(D)	755	(D)	(D)
Vanguard	76	58	84	1,349	1,455	1,223
Willamette	522	595	698	1,240	1,130	1,007
YCR-4(Palisade <sup>R</sup> )	132	223	454	2,790	2,469	1,950
YCR-5(Warrior <sup>R</sup> )	180	192	(D)	2,169	1,821	(D)
Zeus	3,277	3,375	2,989	2,940	2,811	2,819
Experimental	258	392	316	1,562	1,625	1,546
Other varieties <sup>1</sup>	1,810	2,219	3,256	1,697	1,418	1,603
Total	27,097	28,858	32,158	2,025	1,936	1,849
<b>United States<sup>2</sup></b>	<b>35,288</b>	<b>38,011</b>	<b>43,633</b>	<b>1,962</b>	<b>1,868</b>	<b>1,807</b>

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:  
2013-2015 (continued)**

State and variety	Production		
	2013 (1,000 pounds)	2014 (1,000 pounds)	2015 (1,000 pounds)
<b>Washington</b>			
ADHA-483 Azacca <sup>TM</sup> .....	-	134.6	327.6
ADHA-881 Jarrylo <sup>TM</sup> .....	-	116.1	188.0
Ahtanum <sup>TM</sup> .....	347.5	326.0	225.8
Apollo <sup>R</sup> .....	2,051.4	1,854.3	1,938.6
Bravo <sup>R</sup> .....	1,409.9	1,616.7	1,606.7
Cascade .....	7,300.0	8,821.0	9,553.3
Centennial .....	2,905.2	3,818.8	4,317.3
Chinook .....	2,812.3	2,354.3	2,331.1
Citra <sup>TM</sup> .....	1,820.3	2,622.5	3,597.2
Cluster .....	1,562.0	1,328.6	1,135.7
Columbus/Tomahawk <sup>R</sup> .....	6,006.1	4,569.2	4,223.4
Comet .....	-	-	192.2
Crystal .....	275.3	247.2	155.0
El Dorado <sup>R</sup> .....	144.4	180.9	523.5
Galena .....	866.3	551.0	580.6
Glacier .....	123.3	151.5	154.4
Golding .....	106.0	72.6	45.3
Magnum .....	-	-	135.5
Millennium .....	951.6	225.6	(D)
Mosaic <sup>TM</sup> .....	652.8	1,493.2	3,111.6
Mt. Hood .....	195.0	199.9	139.0
Northern Brewer .....	213.5	163.0	121.9
Nugget .....	762.8	419.5	389.2
Simcoe <sup>R</sup> .....	2,183.4	2,805.8	4,489.5
Summit <sup>TM</sup> .....	5,326.6	5,308.3	3,189.6
Super Galena <sup>R</sup> .....	2,171.5	1,552.4	957.8
Tettnanger .....	71.7	(D)	(D)
Vanguard .....	102.5	84.4	102.7
Willamette .....	647.1	672.5	703.1
YCR-4(Palisade <sup>R</sup> ) .....	368.3	550.6	885.2
YCR-5(Warrior <sup>R</sup> ) .....	390.4	349.7	(D)
Zeus .....	9,635.7	9,488.4	8,426.3
Experimental .....	402.9	637.0	488.4
Other varieties <sup>1</sup> .....	3,071.9	3,145.5	5,217.8
Total .....	54,877.7	55,861.1	59,453.3
<b>United States<sup>2</sup></b> .....	<b>69,246.1</b>	<b>70,995.9</b>	<b>78,846.0</b>

- Represents zero.

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

<sup>R</sup> Registered  
<sup>TM</sup> Trademark

<sup>1</sup> Includes data withheld to avoid disclosure of individual operations and varieties not listed.

<sup>2</sup> Includes 329 acres of organics for 2015 with yield equal to 1,719 pounds per acre and production at 565,400 pounds.

## Mint for Oil Area Harvested, Yield, and Production by Crop – States and United States: 2013-2015

Crop and State	Area harvested			Yield per acre		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)
<b>Peppermint</b>						
California .....	1.8	2.0	1.9	85	84	82
Idaho .....	15.5	14.7	15.2	100	105	105
Indiana .....	8.5	8.5	10.0	50	60	40
Michigan .....	0.7	(D)	(D)	60	(D)	(D)
Oregon .....	21.5	20.0	21.0	86	90	95
Washington .....	17.5	15.0	14.0	110	100	110
Wisconsin .....	3.0	(D)	(D)	57	(D)	(D)
Other States <sup>1</sup> .....	-	3.3	3.1	-	60	63
United States .....	68.5	63.5	65.2	89	90	90
<b>Spearmint</b>						
Idaho .....	1.0	1.2	1.3	125	130	145
Indiana .....	3.6	3.7	3.5	73	61	54
Michigan .....	1.7	(D)	(D)	70	(D)	(D)
Oregon .....	2.3	2.5	2.5	115	130	135
Washington .....	15.5	15.0	17.9	138	129	124
Native .....	9.1	8.5	9.5	150	140	145
Scotch .....	6.4	6.5	8.4	120	115	100
Wisconsin .....	0.4	(D)	(D)	53	(D)	(D)
Other States <sup>1</sup> .....	-	2.0	2.0	-	70	68
United States .....	24.5	24.4	27.2	119	114	113
State	Production					
	2013	2014	2015			
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)			
<b>Peppermint</b>						
California .....	153	168	156			
Idaho .....	1,550	1,544	1,596			
Indiana .....	425	510	400			
Michigan .....	42	(D)	(D)			
Oregon .....	1,849	1,800	1,995			
Washington .....	1,925	1,500	1,540			
Wisconsin .....	171	(D)	(D)			
Other States <sup>1</sup> .....	-	197	195			
United States .....	6,115	5,719	5,882			
<b>Spearmint</b>						
Idaho .....	125	156	189			
Indiana .....	263	226	189			
Michigan .....	119	(D)	(D)			
Oregon .....	265	325	338			
Washington .....	2,133	1,938	2,218			
Native .....	1,365	1,190	1,378			
Scotch .....	768	748	840			
Wisconsin .....	21	(D)	(D)			
Other States <sup>1</sup> .....	-	139	136			
United States .....	2,926	2,784	3,070			

- Represents zero.

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

<sup>1</sup> Includes data withheld above.

## Maple Syrup Taps, Yield, and Production – States and United States: 2013-2015

[Estimates for 2015 are carried forward from the June 2015 *Crop Production*. Any revisions will appear in the June 2016 *Crop Production*]

State	Number of taps			Yield per tap			Production		
	2013	2014	2015	2013	2014	2015	2013	2014	2015
	(1,000 taps)	(1,000 taps)	(1,000 taps)	(gallons)	(gallons)	(gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Connecticut .....	78	83	85	0.256	0.193	0.224	20	16	19
Maine .....	1,880	1,850	1,850	0.298	0.295	0.299	560	545	553
Massachusetts .....	280	290	310	0.225	0.210	0.242	63	61	75
Michigan .....	490	430	470	0.302	0.244	0.270	148	105	127
New Hampshire ...	470	490	560	0.264	0.229	0.275	124	112	154
New York .....	2,200	2,200	2,310	0.261	0.248	0.260	574	546	601
Ohio .....	440	450	440	0.352	0.289	0.261	155	130	115
Pennsylvania .....	583	588	620	0.230	0.248	0.266	134	146	165
Vermont .....	4,200	4,350	4,490	0.352	0.310	0.310	1,480	1,350	1,390
Wisconsin .....	740	700	760	0.358	0.286	0.283	265	200	215
United States .....	11,361	11,431	11,895	0.310	0.281	0.287	3,523	3,211	3,414

## Taro Area Harvested, Yield, and Production – Hawaii: 2013-2015

State	Area harvested			Yield per acre			Production		
	2013	2014	2015	2013	2014	2015	2013	2014	2015
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii .....	400	360	340	7,800	9,000	10,300	3,120	3,240	3,502

## Alaska Area Planted and Harvested, Yield, and Production: 2013-2015

[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		
	2013	2014	2015	2013	2014	2015
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Barley .....	3,600	5,400	4,600	3,300	5,100	4,300
Hay, all .....	(NA)	(NA)	(NA)	20,000	18,000	18,000
Oats .....	1,300	2,200	1,800	400	1,000	1,000
Potatoes .....	650	650	560	620	620	540
Crop	Yield per acre			Production		
	2013	2014	2015	2013	2014	2015
Barley .....	33.3	42.5	34.0	110,000	217,000	146,000
Hay, all .....	0.75	1.39	1.10	15,000	25,000	20,000
Oats .....	37.5	57.0	47.0	15,000	57,000	47,000
Potatoes .....	210	250	250	130,000	155,000	135,000

(NA) Not available.

## Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2014 and 2015

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2015 crop year]

Crop	Area planted		Area harvested	
	2014 (1,000 acres)	2015 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
<b>Grains and hay</b>				
Barley .....	3,031	3,558	2,497	3,109
Corn for grain <sup>1</sup> .....	90,597	87,999	83,136	80,749
Corn for silage .....	(NA)	(NA)	6,371	6,221
Hay, all .....	(NA)	(NA)	57,062	54,437
Alfalfa .....	(NA)	(NA)	18,395	17,778
All other .....	(NA)	(NA)	38,667	36,659
Oats .....	2,753	3,088	1,035	1,276
Proso millet .....	505	445	430	418
Rice .....	2,954	2,614	2,933	2,575
Rye .....	1,434	1,569	258	360
Sorghum for grain <sup>1</sup> .....	7,138	8,459	6,401	7,851
Sorghum for silage .....	(NA)	(NA)	315	306
Wheat, all .....	56,841	54,644	46,385	47,094
Winter .....	42,409	39,461	32,299	32,257
Durum .....	1,407	1,936	1,346	1,896
Other spring .....	13,025	13,247	12,740	12,941
<b>Oilseeds</b>				
Canola .....	1,715.0	1,777.0	1,556.7	1,714.5
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	311	463	302	456
Mustard seed .....	33.6	44.0	31.2	40.1
Peanuts .....	1,353.5	1,625.0	1,322.5	1,568.0
Rapeseed .....	2.2	1.2	2.1	1.1
Safflower .....	181.5	168.2	170.2	159.1
Soybeans for beans .....	83,276	82,650	82,591	81,849
Sunflower .....	1,565.3	1,859.1	1,510.1	1,799.4
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all .....	11,037.4	8,580.5	9,346.8	8,076.9
Upland .....	10,845.0	8,422.0	9,157.0	7,922.0
American Pima .....	192.4	158.5	189.8	154.9
Sugarbeets .....	1,162.5	1,158.8	1,146.3	1,144.3
Sugarcane .....	(NA)	(NA)	868.5	892.7
Tobacco .....	(NA)	(NA)	378.4	326.6
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	24.0	34.0	16.8	21.0
Dry edible beans .....	1,701.6	1,764.4	1,648.6	1,711.4
Dry edible peas .....	935.0	1,143.0	899.5	1,083.5
Lentils .....	281.0	493.0	259.0	476.0
Wrinkled seed peas .....	(NA)	(NA)	(NA)	(NA)
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	38.0	43.6
Peppermint oil .....	(NA)	(NA)	63.5	65.2
Potatoes, all .....	1,062.6	1,065.2	1,051.1	1,053.3
Spring .....	73.8	70.1	71.1	68.5
Summer .....	50.4	50.5	48.9	47.1
Fall .....	938.4	944.6	931.1	937.7
Spearmint oil .....	(NA)	(NA)	24.4	27.2
Sweet potatoes .....	137.3	156.9	135.2	153.1
Taro (Hawaii) .....	(NA)	(NA)	0.4	0.3

See footnote(s) at end of table.

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## Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2014 and 2015 (continued)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2015 crop year]

Crop	Yield per acre		Production		
	2014	2015	2014 (1,000)	2015 (1,000)	
<b>Grains and hay</b>					
Barley .....	bushels	72.7	68.9	181,542	214,297
Corn for grain .....	bushels	171.0	168.4	14,215,532	13,601,198
Corn for silage .....	tons	20.1	20.4	128,048	126,894
Hay, all .....	tons	2.45	2.47	139,923	134,388
Alfalfa .....	tons	3.34	3.32	61,451	58,974
All other .....	tons	2.03	2.06	78,472	75,414
Oats .....	bushels	67.9	70.2	70,232	89,535
Proso millet .....	bushels	31.4	33.9	13,483	14,159
Rice <sup>2</sup> .....	cwt	7,576	7,470	222,215	192,343
Rye .....	bushels	27.9	31.9	7,189	11,496
Sorghum for grain .....	bushels	67.6	76.0	432,575	596,751
Sorghum for silage .....	tons	13.1	14.6	4,123	4,475
Wheat, all .....	bushels	43.7	43.6	2,026,310	2,051,752
Winter .....	bushels	42.6	42.5	1,377,216	1,370,188
Durum .....	bushels	40.2	43.5	54,056	82,484
Other spring .....	bushels	46.7	46.3	595,038	599,080
<b>Oilseeds</b>					
Canola .....	pounds	1,614	1,677	2,512,645	2,875,010
Cottonseed .....	tons	(X)	(X)	5,125.0	4,153.0
Flaxseed .....	bushels	21.1	22.1	6,368	10,095
Mustard seed .....	pounds	930	671	29,004	26,927
Peanuts .....	pounds	3,923	3,963	5,188,665	6,213,790
Rapeseed .....	pounds	1,233	1,382	2,590	1,520
Safflower .....	pounds	1,226	1,347	208,643	214,251
Soybeans for beans .....	bushels	47.5	48.0	3,927,090	3,929,885
Sunflower .....	pounds	1,469	1,625	2,219,050	2,923,730
<b>Cotton, tobacco, and sugar crops</b>					
Cotton, all <sup>2</sup> .....	bales	838	769	16,319.4	12,943.0
Upland <sup>2</sup> .....	bales	826	758	15,753.0	12,508.0
American Pima <sup>2</sup> .....	bales	1,432	1,348	566.4	435.0
Sugarbeets .....	tons	27.3	30.8	31,285	35,278
Sugarcane .....	tons	35.0	36.5	30,424	32,549
Tobacco .....	pounds	2,316	2,178	876,415	711,236
<b>Dry beans, peas, and lentils</b>					
Austrian winter peas <sup>2</sup> .....	cwt	1,381	1,238	232	260
Dry edible beans <sup>2</sup> .....	cwt	1,754	1,760	28,910	30,121
Dry edible peas <sup>2</sup> .....	cwt	1,907	1,687	17,155	18,283
Lentils <sup>2</sup> .....	cwt	1,331	1,108	3,446	5,276
Wrinkled seed peas .....	cwt	(NA)	(NA)	618	384
<b>Potatoes and miscellaneous</b>					
Hops .....	pounds	1,868	1,807	70,995.9	78,846.0
Peppermint oil .....	pounds	90	90	5,719	5,882
Potatoes, all .....	cwt	421	418	442,170	440,498
Spring .....	cwt	318	296	22,608	20,251
Summer .....	cwt	324	334	15,859	15,734
Fall .....	cwt	434	431	403,703	404,513
Spearmint oil .....	pounds	114	113	2,784	3,070
Sweet potatoes .....	cwt	219	203	29,584	31,016
Taro (Hawaii) .....	pounds	9,000	10,300	3,240	3,502

(NA) Not available.

(X) Not applicable.

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

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

## Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2014 and 2015

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2015 crop year]

Crop	Area planted		Area harvested	
	2014	2015	2014	2015
	(hectares)	(hectares)	(hectares)	(hectares)
<b>Grains and hay</b>				
Barley .....	1,226,620	1,439,890	1,010,510	1,258,180
Corn for grain <sup>1</sup> .....	36,663,700	35,612,320	33,644,310	32,678,310
Corn for silage .....	(NA)	(NA)	2,578,280	2,517,580
Hay, all <sup>2</sup> .....	(NA)	(NA)	23,092,420	22,030,110
Alfalfa .....	(NA)	(NA)	7,444,270	7,194,580
All other .....	(NA)	(NA)	15,648,150	14,835,530
Oats .....	1,114,110	1,249,680	418,850	516,380
Proso millet .....	204,370	180,090	174,020	169,160
Rice .....	1,195,450	1,057,860	1,186,960	1,042,080
Rye .....	580,330	634,960	104,410	145,690
Sorghum for grain <sup>1</sup> .....	2,888,680	3,423,270	2,590,420	3,177,220
Sorghum for silage .....	(NA)	(NA)	127,480	123,840
Wheat, all <sup>2</sup> .....	23,002,980	22,113,880	18,771,550	19,058,470
Winter .....	17,162,500	15,969,470	13,071,080	13,054,090
Durum .....	569,400	783,480	544,710	767,290
Other spring .....	5,271,090	5,360,930	5,155,750	5,237,090
<b>Oilseeds</b>				
Canola .....	694,040	719,130	629,980	693,840
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	125,860	187,370	122,220	184,540
Mustard seed .....	13,600	17,810	12,630	16,230
Peanuts .....	547,750	657,620	535,200	634,550
Rapeseed .....	890	490	850	450
Safflower .....	73,450	68,070	68,880	64,390
Soybeans for beans .....	33,700,960	33,447,630	33,423,750	33,123,470
Sunflower .....	633,460	752,360	611,120	728,200
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	4,466,730	3,472,440	3,782,560	3,268,640
Upland .....	4,388,860	3,408,300	3,705,750	3,205,950
American Pima .....	77,860	64,140	76,810	62,690
Sugarbeets .....	470,450	468,950	463,900	463,090
Sugarcane .....	(NA)	(NA)	351,470	361,270
Tobacco .....	(NA)	(NA)	153,120	132,150
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	9,710	13,760	6,800	8,500
Dry edible beans .....	688,620	714,040	667,170	692,590
Dry edible peas .....	378,390	462,560	364,020	438,480
Lentils .....	113,720	199,510	104,810	192,630
Wrinkled seed peas .....	(NA)	(NA)	(NA)	(NA)
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	15,380	17,660
Peppermint oil .....	(NA)	(NA)	25,700	26,390
Potatoes, all <sup>2</sup> .....	430,020	431,080	425,370	426,260
Spring .....	29,870	28,370	28,770	27,720
Summer .....	20,400	20,440	19,790	19,060
Fall .....	379,760	382,270	376,810	379,480
Spearmint oil .....	(NA)	(NA)	9,870	11,010
Sweet potatoes .....	55,560	63,500	54,710	61,960
Taro (Hawaii) .....	(NA)	(NA)	150	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: 2014 and 2015 (continued)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2015 crop year]

Crop	Yield per hectare		Production	
	2014	2015	2014	2015
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
<b>Grains and hay</b>				
Barley .....	3.91	3.71	3,952,610	4,665,770
Corn for grain .....	10.73	10.57	361,091,140	345,486,340
Corn for silage .....	45.05	45.73	116,163,190	115,116,300
Hay, all <sup>3</sup> .....	5.50	5.53	126,936,010	121,914,740
Alfalfa .....	7.49	7.44	55,747,410	53,500,310
All other .....	4.55	4.61	71,188,600	68,414,430
Oats .....	2.43	2.52	1,019,410	1,299,600
Proso millet .....	1.76	1.90	305,790	321,120
Rice .....	8.49	8.37	10,079,500	8,724,530
Rye .....	1.75	2.00	182,610	292,010
Sorghum for grain .....	4.24	4.77	10,987,910	15,158,170
Sorghum for silage .....	29.34	32.78	3,740,320	4,059,650
Wheat, all <sup>3</sup> .....	2.94	2.93	55,147,120	55,839,540
Winter .....	2.87	2.86	37,481,680	37,290,410
Durum .....	2.70	2.93	1,471,160	2,244,850
Other spring .....	3.14	3.11	16,194,280	16,304,290
<b>Oilseeds</b>				
Canola .....	1.81	1.88	1,139,720	1,304,080
Cottonseed .....	(X)	(X)	4,649,320	3,767,540
Flaxseed .....	1.32	1.39	161,750	256,420
Mustard seed .....	1.04	0.75	13,160	12,210
Peanuts .....	4.40	4.44	2,353,540	2,818,530
Rapeseed .....	1.38	1.55	1,170	690
Safflower .....	1.37	1.51	94,640	97,180
Soybeans for beans .....	3.20	3.23	106,877,870	106,953,940
Sunflower .....	1.65	1.82	1,006,540	1,326,180
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>3</sup> .....	0.94	0.86	3,553,130	2,818,010
Upland .....	0.93	0.85	3,429,810	2,723,300
American Pima .....	1.61	1.51	123,320	94,710
Sugarbeets .....	61.18	69.11	28,381,270	32,003,660
Sugarcane .....	78.53	81.73	27,600,190	29,527,960
Tobacco .....	2.60	2.44	397,540	322,610
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	1.55	1.39	10,520	11,790
Dry edible beans .....	1.97	1.97	1,311,340	1,366,270
Dry edible peas .....	2.14	1.89	778,140	829,300
Lentils .....	1.49	1.24	156,310	239,320
Wrinkled seed peas .....	(NA)	(NA)	28,030	17,420
<b>Potatoes and miscellaneous</b>				
Hops .....	2.09	2.03	32,200	35,760
Peppermint oil .....	0.10	0.10	2,590	2,670
Potatoes, all <sup>3</sup> .....	47.15	46.87	20,056,500	19,980,650
Spring .....	35.64	33.14	1,025,480	918,570
Summer .....	36.35	37.44	719,350	713,680
Fall .....	48.60	48.35	18,311,660	18,348,400
Spearmint oil .....	0.13	0.13	1,260	1,390
Sweet potatoes .....	24.53	22.71	1,341,910	1,406,860
Taro (Hawaii) .....	10.09	11.55	1,470	1,590

(NA) Not available.

(X) Not applicable.

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

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

<sup>3</sup> Production may not add due to rounding.

## 2015 Annual Weather Summary

**Highlights:** A strengthening El Niño arrived early enough to influence late-spring weather patterns—especially in the south-central United States—then altered the Atlantic and Pacific hurricane seasons. Specifically, El Niño suppressed Atlantic tropical activity, but enhanced the eastern Pacific hurricane season. Often during the summer, remnant Pacific tropical moisture became embedded in the Southwestern monsoon circulation, contributing to rare warm-season rainfall events in southern California and a robust summer wet season in much of the Great Basin and the Southwest. However, hot, dry weather plagued the Northwestern growing season, causing additional challenges for producers in the wake of sub-par snow accumulations.

Record-setting, late-spring rainfall in the south-central United States put an end to a drought that had begun in late 2010. During the late summer and early autumn, however, hot, dry weather brought a return of short-term drought across parts of the South. The Southern drought intensity peaked in October, only to be washed away by another round of heavy rain. Additional heavy rain fell across the South toward year’s end, leading to record-high annual precipitation totals in parts of the western Gulf Coast region.

Farther north, timely spring and summer rainfall and moderate summer temperatures led to a nearly ideal growing season across the upper Midwest. The lower Midwest also experienced a lack of heat stress in 2015, but had a much more unfavorable rainfall distribution. Specifically, torrential late-spring and early-summer downpours in the lower Midwest led to flooding and planting delays, following by a late-summer turn toward dryness that stressed poorly rooted corn and soybeans.

Meanwhile, the odd interaction between Atlantic Hurricane Joaquin, which remained offshore, and a non-tropical storm resulted in historic, early-October rainfall in South Carolina and environs. Additional heavy rain plagued parts of the Southeast for the remainder of the year, hindering summer crop harvesting and winter wheat planting.

In contrast, California completed a fourth consecutive year of drought as the 2014-15 wet season drew to a close, leading to another summer of water restrictions and fallowed acreage. In late 2015, the primary storm track often remained north of California, bringing substantial drought relief to the Northwest. Nevertheless, meaningful precipitation fell as far south as the Sierra Nevada, boosting snowpack to near-normal levels by year’s end.

Elsewhere, the Plains’ 2015 winter wheat crop experienced periods of unfavorable weather, including winter cold without much snow cover, leading to declines in crop condition. Later, spring wetness hampered wheat harvest efforts across the southern Plains. Summer growing conditions were mostly favorable across the Plains, but pockets of dryness caused some autumn emergence and establishment issues from Kansas southward for the 2016 winter wheat crop.

During 2015, drought coverage in the contiguous United States peaked at 38 percent, according to the U.S. Drought Monitor, on May 5, with a secondary peak of 35 percent on October 20. By the end of 2015, however, drought coverage had dropped to 19 percent, the lowest since December 2010. Most of the remaining drought was confined to the Far West. In stark contrast, a late-December deluge led to record flooding in parts of the middle Mississippi Valley, especially in parts of Missouri and Illinois.

**Winter 2014-15:** The warmest winter on record covered Washington and four other western States (Arizona, California, Nevada, and Utah). In California, the previous warmest winter had occurred just last year, in 2013-14. In addition, it was the second-warmest winter on record in Idaho and Oregon. In contrast, colder-than-normal weather dominated the eastern half of the United States, despite a mild December. Conditions turned especially harsh in late winter, when the second-coldest February on record occurred in nine States from Ohio to New England. The Eastern cold wave peaked on February 20, when freezes were noted as far south as interior southern Florida.

Between the Western warmth and the Eastern chill, the Plains were subjected to frequent and rapid temperature changes. The winter temperatures extremes, some of which occurred without the benefit of a protective snow cover, caused general declines in crop condition for winter wheat. Outside of the hard red winter wheat belt, parts of the upper Midwest experienced a “snow drought,” with less precipitation than normal falling during the winter months.

Only two small areas, the northern Atlantic region and the Southwest, reported wetter-than-normal winter weather. In parts of the Northeast, extremely heavy snow fell from late January to mid-February. Elsewhere, most of California's wet weather was compressed into two brief periods—the first 3 weeks of December and several days in early February.

**Spring:** The sudden spring intensification of El Niño contributed to an unexpected deluge in the south-central United States. The heavy rain eradicated the southern Plains' 4½-year drought but led to widespread May flooding across the southeastern Plains, mid-South, and western Gulf Coast region. Significant, late-spring precipitation also fell across the northern Plains and upper Midwest, helping to boost soil moisture in the wake of a drier-than-normal winter.

In contrast, California's warmer- and drier-than-normal spring ensured a fourth consecutive year of drought and prematurely melted an already record-low snowpack. Problems with anemic snowpack extended through the Pacific Coast States and into the Great Basin and northern Rockies. However, late-spring precipitation was heavy enough to reduce or eliminate drought coverage in the central and southern Rockies and environs.

Elsewhere, generally drier-than-normal spring weather prevailed in the Atlantic Coast States, with near-record dryness noted in parts of New England. In the Southeast, above-normal temperatures accompanied sub-par rainfall.

**Summer:** A strengthening El Niño likely had only a passing influence on summer weather patterns in the United States, but had a profound effect on the tropical Atlantic and Pacific basins. For example, hostile upper-level winds contributed to the late-August demise of Hurricane Danny and Tropical Storm Erika, shredding the storms before they could threaten the mainland United States. Meanwhile, the unusually warm central Pacific Ocean was rife with tropical activity in August, as five hurricanes churned all around Hawaii without a direct strike.

Meanwhile in the contiguous United States, hot summer weather across the West and South contrasted with moderate temperatures in the Midwest. The pleasant Midwestern weather allowed corn and soybeans to advance into, and through, the reproductive and filling stages of development with negligible heat stress. However, the Midwestern summer rainfall distribution was not ideal, with parts of the southern and eastern Corn Belt plagued by excessive moisture into July. Some of the previously waterlogged areas experienced a rapid drying trend during August, leading to further crop stress. Farther south, heat and drought development led to an increase in stress on some pastures and row crops from eastern Texas and southeastern Oklahoma to the Carolinas. In the western Gulf Coast region, river basins that were enduring the worst flooding in at least 25 years as summer began were suddenly hit with an extended period of hot, dry weather. By summer's end, short-term dryness had expanded northward through the Atlantic Coast States.

Elsewhere, the Northwest—especially Washington—bore the brunt of worsening drought that adversely affected both winter wheat and spring-sown small grains. Conversely, parts of southern California received unusually heavy rain, especially during July, but not enough to dent the 4-year drought. Monsoon-related rain showers frequented the Southwest, providing limited drought relief and causing sporadic flash flooding.

**Autumn:** Consistent warmth, in part related to a strong El Niño, led to the Nation's warmest autumn on record. Even some November cooling in the western United States failed to prevent the former record—set in the fall of 1963—from being broken. Autumn's most impressive heat wave occurred in mid-October, shortly before a significant pattern change brought record-setting rainfall and widespread flooding to parts of the South.

The late-October deluge in the south-central United States, in part fueled by the remnants of Pacific Hurricane Patricia, was only one of several impressive periods of precipitation. Earlier, moisture indirectly associated with Atlantic Hurricane Joaquin had brought catastrophic, early-October flooding to parts of South Carolina, setting the stage for a very difficult harvest (and winter wheat planting) season for some Southeastern producers.

Farther north, most Midwestern producers were able to complete corn and soybean harvesting before field conditions began to deteriorate during the second half of autumn. Ultimately, parts of the central and western Corn Belt turned wet, with significant snow twice accumulating across portions of the north-central United States during the second half of November.

Elsewhere, the early part of the Western wet season had some unexpected results, considering the strong El Niño. The Pacific Northwest received unusually heavy precipitation, with some beneficial rain and snow spreading across the interior Northwest and southward into central California. Early-season storminess also helped to build snowpack in the Great Basin and Intermountain West, but few meaningful storms reached southern California.

**December:** Record-setting December warmth covered the Midwest and East, while heavy to record-setting precipitation fell across the Northwest, mid-South, and upper Midwest. Ongoing precipitation further eased or eradicated Northwestern drought, but southern California and the Desert Southwest received little December moisture.

Farther east, an already wet pattern across the Nation's mid-section culminated in a late-month deluge that drove the Mississippi River to record-high levels from Cape Girardeau, Missouri, to Thebes, Illinois. Record-breaking crests were also noted along several Mississippi River tributaries, especially in Missouri. The wetness across the mid-South and lower Midwest increased concerns about Soft Red Winter Wheat due to standing water and lowland flooding. Excessively wet conditions also continued to plague parts of the Southeast, hampering final harvest and winter wheat planting efforts.

Unusual warmth accompanied the general wetness across the eastern half of the country. In the Southeast, warm conditions allowed winter grains and cool-season pastures to continue to develop. Farther north, periods of snow blanketed the upper Midwest, despite above-normal temperatures. Occasional snow also fell across the Plains, providing winter wheat with some moisture and insulation. On the southern High Plains, however, a late-month blizzard caused significant livestock losses due to bitter cold and wind-driven snow.

## 2015 Annual Crop Summary

**April:** Temperatures were generally above-normal across most of the Nation during the month of April. The major exceptions to this trend were recorded in the Pacific Northwest, southern Rocky Mountains, and New England, where April average temperatures were below normal. Monthly precipitation levels were generally within 3 inches of normal, with exceptions in the southern Great Plains, the Mississippi Delta, and Kentucky. By April 12, two percent of the Nation's corn crop was planted, slightly behind last year and 3 percentage points behind the 5-year average with planting progress at or behind the 5-year average in all estimating States except Kansas. Producers had planted 55 percent of this year's corn crop by May 3, twenty-seven percentage points ahead of last year and 17 percentage points ahead of the 5-year average. Thirty-six percent of the corn crop was planted during the final week of the month, tied for the third-highest National weekly planting progress on record behind the weeks ending May 19, 2013, and May 10, 1992. By April 5, producers had planted 2 percent of this year's cotton crop, 4 percentage points behind both last year and the 5-year average. Nationally, cotton producers had planted 17 percent of the cotton crop by May 3, slightly ahead of last year but 5 percentage points behind the 5-year average.

**May:** Above-average temperatures across the eastern United States during the month of May allowed producers to catch up on spring fieldwork delays caused by cool, wet weather earlier in the spring. With the exception of the Pacific Northwest, most locations in the western United States recorded below average temperatures for May slowing planting and crop progress in the Great Plains and Rocky Mountains. Heading of this year's winter wheat crop advanced to 84 percent complete by May 31, six percentage points ahead of last year and 7 percentage points ahead of the 5-year average. Warm weather in the soft white wheat growing region during the last week of the month advanced wheat development, with heading 33 percentage points ahead of the 5-year average in both Idaho and Oregon. Nationally, 83 percent of the rice crop was seeded by May 10, eleven percentage points ahead of both last year and the 5-year average. Rice planting advanced 37 percentage points in California and 36 percentage points in Missouri during the first week of May. Ninety percent of the rice crop was emerged by May 31, two percentage points ahead of last year and 3 percentage points ahead of the 5-year average. Arkansas rice producers reported the loss of some acreage to flooding during the month but were able to apply pre-flood fertilizers and herbicides where possible. Planting of the 2015 corn crop was 95 percent complete by May 31, slightly ahead of both last year and the 5-year average. By the end of May, at least 90 percent of the corn had emerged in Illinois, Iowa, Minnesota, North Carolina, and Tennessee. Planting of the 2015 soybean crop advanced to 13 percent complete by May 3, eight percentage points ahead of last year and 4 percentage points ahead of the 5-year average. By May 31, seventy-one percent of the Nation's soybean crop was planted, 4 percentage points behind last year but slightly ahead of the 5-year average. By the end of the month, wet

conditions slowed the soybean planting pace in the central United States, with planting progress 42 percentage points behind the 5-year average in Kansas and 34 percentage points behind in Missouri.

**June:** Areas of the central and eastern Corn Belt recorded more than 200 percent of normal precipitation during the month of June causing delays in spring fieldwork and deterioration of crop ratings. Illinois, Indiana, and Ohio recorded the wettest June on record dating back to 1895. Dry conditions stressed the Pacific coast with major regions of California, Oregon, and Washington. Average monthly temperatures were generally above normal across the Nation with areas in the Pacific Northwest more than 10°F above normal in June. By June 28, sixty-eight percent of the corn crop was reported in good to excellent condition, 7 percentage points below the same time last year. Ninety-four percent of the Nation's soybean crop was planted by June 28, slightly behind last year and 3 percentage points behind the 5-year average. Missouri continued to lag the rest of the Nation in planting progress. By June 28, Missouri producers had planted 62 percent of their intended soybean crop, 32 percentage points behind the 5-year average. Nationally, 89 percent of the soybean crop was emerged by June 28, four percentage points behind last year and 5 percentage points behind the 5-year average. Eight percent of the Nation's soybean crop was at or beyond the blooming stage by month's end, slightly behind both last year and the 5-year average. Heading of the Nation's barley crop advanced to 62 percent complete by June 28, thirty-three percentage points ahead of last year and 36 percentage points ahead of the 5-year average. Hot, dry conditions in Montana and Washington dried out soils and lowered barley condition ratings in June. By June 28, producers had harvested 38 percent of the winter wheat crop, 4 percentage points behind last year and 8 percentage points behind the 5-year average.

**July:** A band stretching from the southern Rocky Mountains through the southern Great Plains in Oklahoma and northern Texas and into the middle Mississippi and Ohio River Valleys had areas recording over 200 percent of normal precipitation for the month of July. In the eastern Corn Belt, additional rainfall on already saturated soils made it difficult to complete summer fieldwork and deteriorated crop conditions. Slightly below-average temperatures across most of the northern Great Plains and the Corn Belt kept row crop progress slightly behind historical levels. Major sorghum heading progress was limited to Arkansas, Louisiana, and Texas, but a small percentage of the crop was heading in the more northern States of Illinois, Missouri, and Oklahoma at the beginning of July. Nationally, 29 percent of the sorghum crop was at or beyond the coloring stage by August 2, five percentage points behind last year and slightly behind the 5-year average. By July 12, fifty-nine percent of the peanuts had advanced to the pegging stage, slightly ahead of last year and 4 percentage points ahead of the 5-year average. Eighty-eight percent of the peanut crop was pegging by August 2, two percentage points behind last year but slightly ahead of the 5-year average. By July 5, forty-eight percent of this year's cotton was at or beyond the squaring stage, 3 percentage points behind last year and 7 percentage points behind the 5-year average. Nationally, 10 percent of the cotton was setting bolls by July 5, slightly behind last year and 4 percentage points behind the 5-year average. Ninety-two percent of the Nation's cotton was at or beyond the squaring stage by August 2, two percentage points behind last year and the 5-year average. By August 2, bolls were setting on 57 percent of the cotton crop, 8 percentage points behind last year and 7 percentage points behind the 5-year average. By August 2, twenty-nine percent of the Nation's corn crop was at or beyond the dough stage, 4 percentage points behind last year and 2 percentage points behind the 5-year average. In eleven of the eighteen major estimating States, the percentage of the crop in the dough stage was behind the 5-year average at month's end.

**August:** Average monthly temperatures were below normal across the Corn Belt and the northern Great Plains during the month of August depriving crops of heat units as they were developing towards maturation. Small pockets in Alabama, Florida, Iowa, and Missouri recorded rainfall levels more than 5 inches above normal during the month of August. Overall, 70 percent of the spring wheat was reported in good to excellent condition on August 16, unchanged from August 2 but 2 percentage points better than the same time last year. By August 30, eighty-eight percent of the spring wheat crop was harvested, 52 percentage points ahead of last year and 26 percentage points ahead of the 5-year average. By August 23, eighty-seven percent of the soybeans were at or beyond the pod setting stage, 2 percentage points behind last year and slightly behind the 5-year average. Ninety-three percent of the Nation's soybeans were setting pods or beyond by August 30, slightly behind last year and 2 percentage points behind the 5-year average. Leaf drop advanced to 9 percent complete Nationally by August 30, four percentage points ahead of last year and 2 percentage points ahead of the 5-year average.

**September:** Most of the Nation observed above-average temperatures for the month of September facilitating the maturity and harvest of fall harvested crops in the major agricultural producing regions. The corn harvest began in most

southern Corn Belt locations by the middle of the month with 5 percent of the Nation's corn harvested by September 13, slightly ahead of last year but 4 percentage points behind the 5-year average. Nationwide, producers had harvested 27 percent of the corn crop by October 4, eleven percentage points ahead of last year but 5 percentage points behind the 5-year average. Sugarbeet producers had harvested 44 percent of this year's crop by October 4, seven percentage points ahead of last year and 17 percentage points ahead of the 5-year average. Barley producers had harvested 95 percent of this year's crop by September 6, seventeen percentage points ahead of last year and 13 percentage points ahead of the 5-year average. Ninety-seven percent of the spring wheat was harvested by September 13, twenty-five percentage points ahead of last year and 11 percentage points ahead of the 5-year average. By October 4, rice producers had harvested 78 percent of this year's crop, 10 percentage points ahead of last year and 7 percentage points ahead of the 5-year average. Rice producers achieved double-digit advances in harvest progress in Arkansas, Mississippi, and Missouri during the final week of September. Only nine estimating States reported the planting of winter wheat during the first week of September, with major progress limited to Colorado, Idaho, South Dakota, and Washington. By October 4, producers had sown 49 percent of the Nation's 2016 winter wheat, 5 percentage points behind last year and 2 percentage points behind the 5-year average. Nationally, 42 percent of the soybeans were harvested by October 4, twenty-three percentage points ahead of last year and 10 percentage points ahead of the 5-year average. Generally dry conditions across the Midwest allowed for the soybean harvest to advance 21 percentage points Nationwide during the final week of the month, including an advance of 37 percentage points in North Dakota and 35 percentage points in Minnesota.

**October:** Above average temperatures were observed across most of the United States, including the northern Rocky Mountains with recorded monthly average temperatures more than 6°F above normal. Large portions of the country experienced higher than normal precipitation, including the Mid-Atlantic States, southern Great Plains, and the southern Rocky Mountains. Monthly rainfall totals exceeded 12 inches in areas of Texas, Louisiana, North Carolina, and South Carolina during October. Texas and Louisiana rains included remnants of Hurricane Patricia, while the Carolinas experienced a low pressure system that led to extensive flooding. Producers had seeded 88 percent of the 2016 winter wheat crop by November 1, slightly behind last year and 2 percentage points behind the 5-year average. Overall, 49 percent of the winter wheat crop was reported in good to excellent condition on November 1, ten percentage points below the same time last year. Nationally, 85 percent of the corn was harvested by November 1, twenty-three percentage points ahead of last year and 6 percentage points ahead of the 5-year average. Overall, 68 percent of the corn crop was reported in good to excellent condition on October 18, six percentage points less than the same time last year. By November 1, ninety-two percent of the soybean crop was harvested, 11 percentage points ahead of last year and 4 percentage points ahead of the 5-year average. Overall, 64 percent of the soybean crop was reported in good to excellent condition on October 11, nine percentage points below the same time last year. Nationwide, half of this year's cotton crop was harvested by November 1, slightly ahead of last year but 4 percentage points behind the 5-year average. Overall, 47 percent of the cotton crop was rated in good to excellent condition on November 1, down slightly from the beginning of October and slightly below the same time last year. By November 1, producers had harvested 72 percent of this year's peanut crop, 5 percentage points behind last year and 7 percentage points behind the 5-year average.

**November:** Temperatures were above normal in areas east of the Rocky Mountains with most of the upper Midwest and Florida recording average temperatures more than 6°F above normal. Conversely, areas from the Intermountain Region to the Pacific Coast experienced temperatures over 2°F below normal. Most of the Nation was within 3 inches of normal precipitation for the month. Ninety-six percent of the Nation's 2016 winter wheat crop was sown by November 22, three percentage points behind last year and 4 percentage points behind the 5-year average. As of November 29, States in the northern Plains and Great Lakes Region generally had better condition ratings such as Montana at 73 percent good to excellent, than southern States, like Arkansas at 40 percent in good to excellent condition. Overall, 55 percent of the winter wheat crop was reported in good to excellent condition, 3 percentage points below the same time last year. With warmer-than-normal conditions in the Midwest, the Nation's corn harvest progress remained ahead of the 5-year average until harvest completion in mid-November. By November 15, ninety-six percent of the Nation's corn crop was harvested, 8 percentage points ahead of last year and 2 percentage points ahead of the 5-year average. By November 8, producers had harvested 95 percent of this year's soybean crop, 6 percentage points ahead of last year and 2 percentage points ahead of the 5-year average. Peanut producers had harvested 93 percent of the Nation's crop by November 29, seven percentage points behind last year and 6 percentage points behind the 5-year average. In all estimating States except South Carolina, peanut harvest was at least 90 percent complete. Nationally, producers had harvested 80 percent of the cotton crop by November 29, three percentage points behind last year and 8 percentage points behind the 5-year average. Nationwide,



96 percent of this year's sugarbeet crop had been dug by November 8, slightly behind both last year and the 5-year average.

## Crop Comments

**Corn:** Corn for grain production in the United States is estimated at 13.6 billion bushels, down slightly from the November forecast and down 4 percent from the record 2014 estimate. The average yield in the United States is estimated at 168.4 bushels per acre. This is down 0.9 bushel from the November forecast and 2.6 bushels below the record 2014 average yield of 171.0 bushels per acre, but is the second highest yield on record.

Estimated yields in 2015 are up from the previous year across the northern tier corn producing States. Wet conditions hampered yield potential in the eastern Corn Belt States. Record yields are estimated in Arizona, Florida, Idaho, Iowa, Kentucky, Michigan, Minnesota, Nebraska, South Dakota, Virginia, Wisconsin, and Wyoming.

Corn planted area, at 88.0 million acres, is down 3 percent from 2014. Area harvested for grain is estimated at 80.7 million acres, up slightly from the November forecast but down 3 percent from the 2014 estimate.

The 2015 corn objective yield data indicate the 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 Illinois, Iowa, Nebraska, Ohio, and South Dakota.

Corn silage production is estimated at 127 million tons for 2015, down less than 1 percent from 2014. The United States silage yield is estimated at 20.4 tons per acre, up 0.3 ton from 2014. Area harvested for silage is estimated at 6.22 million acres, down 2 percent from a year ago.

States in the eastern Corn Belt began the 2015 crop year with wet planting conditions during April, while the rest of the growing region saw favorable weather. Most States experienced improved planting conditions by the beginning of May allowing producers across the region to plant 55 percent of this year's corn crop by May 3, twenty-seven percentage points ahead of last year and 17 percentage points ahead of the 5-year average. By May 17, the majority of the Nation's corn crop, 56 percent, had emerged, 24 percentage points ahead of 2014.

By June 14, more than 90 percent of the crop had emerged in all estimating States except Colorado, Kansas, and Missouri. By June 21, wet conditions in the eastern Corn Belt led to worsening of corn condition ratings, which dropped 15 percentage points in the good to excellent categories in Indiana and 19 percentage points in Ohio. By June 28, wet conditions continued to hinder States in the eastern Corn Belt which led to further deterioration of corn condition ratings, dropping another 19 percentage points in the good to excellent categories in Ohio and 10 percentage points in Indiana.

By July 5, sunny conditions helped to ease ponding in fields in the eastern Corn Belt, boosting good to excellent ratings in Ohio by 3 percentage points and keeping good to excellent ratings steady in Indiana. By July 19, warm weather had accelerated corn development in the western Corn Belt, with silking advancing 39 percentage points or more during the week in Iowa, Minnesota, Nebraska, and South Dakota. By July 26, fourteen percent of the corn crop was at or beyond the dough stage, slightly behind last year and 3 percentage points behind the 5-year average.

By August 16, twenty-one percent of this year's crop was denting, slightly ahead of last year but 7 percentage points behind the 5-year average. Eighty-five percent of the corn was at or beyond the dough stage by August 23, four percentage points ahead of both last year and the 5-year average. Nine percent of the Nation's crop was mature by August 30, two percentage points ahead of last year but 6 points behind the 5-year average. Below-normal temperatures in most of the Corn Belt slowed corn maturation, with all estimating States except Colorado, behind their respective 5-year average.

Favorable weather conditions advanced Nationwide progress with 35 percent of the crop mature by September 13, ten percentage points ahead of last year but 5 percentage points behind the 5-year average. By September 20, ninety-four percent of the Nation's corn was at or beyond the dent stage, 5 percentage points ahead of last year and slightly ahead of

the 5-year average. By week's end, 53 percent of the corn was mature, 13 percentage points ahead of last year but 3 percentage points behind the 5-year average. Generally warm conditions across the Corn Belt accelerated maturity of the corn crop. By September 27, seventy-one percent of the corn was mature, 14 percentage points ahead of last year but slightly behind the 5-year average. At the same time, producers had harvested 18 percent of the Nation's corn, 7 percentage points ahead of last year but 5 percentage points behind the 5-year average.

By October 11, generally dry conditions across large portions of the Corn Belt facilitated good harvest progress with Nationwide harvest progress advancing to 42 percent complete, 19 percentage points ahead of last year but slightly behind the 5-year average. Fifty-nine percent of this year's corn was harvested by October 18, twenty-nine percentage points ahead of last year and 5 percentage points ahead of the 5-year average. Nationwide, harvest progress advanced 17 percentage points during the week ending October 18. By October 25, Nationwide corn harvest progress advanced to 75 percent complete, 31 percentage points ahead of last year and 7 percentage points ahead of the 5-year average. Warm weather across the Corn Belt facilitated rapid harvest progress, including an advance of 27 percentage points during the week in North Dakota and 23 percentage points in Minnesota.

By November 15, producers had harvested 96 percent of this year's corn crop. This was 8 percentage points ahead of last year and 2 percentage points ahead of the 5-year average.

**Sorghum:** Grain production in 2015 is estimated at 597 million bushels, up slightly from the November forecast and up 38 percent from the 2014 total. Planted area for 2015 is estimated at 8.46 million acres, up 19 percent from the previous year. Area harvested for grain, at 7.85 million acres, is up 23 percent from 2014. Average grain yield, at 76.0 bushels per acre, is down 1.7 bushels from the previous forecast but up 8.4 bushels from 2014 and represents a record high yield for the United States. Record high yields are estimated in Kansas and South Dakota.

Silage production is estimated at 4.48 million tons, up 9 percent from 2014. Area harvested for silage is estimated at 306,000 acres, down 3 percent from the previous year. Silage yields averaged 14.6 tons per acre, up 1.5 tons per acre from 2014.

**Oats:** Production in 2015 is estimated at 89.5 million bushels, up 27 percent from the revised 2014 total of 70.2 million bushels. Yield is estimated at 70.2 bushels per acre, up 2.3 bushels from the previous year, and represents a new record high for the United States. Harvested area, at 1.28 million acres, is 23 percent above the previous year. Record low acres were harvested in California, Indiana, South Carolina, Oregon, and Utah.

Favorable growing conditions in Minnesota this year promoted significant yield increases compared with 2014. Drought conditions in California led to a large decline in yield from 2014. Record high yields are estimated in Colorado, Kansas, Minnesota, North Dakota, Wisconsin, and Utah. In early spring, planting and emergence of the oat crop was behind the normal pace but quickly caught up due to favorable weather conditions. By April 12, producers had sown 43 percent of the oat crop, 9 percentage points ahead of last year but 2 percentage points behind the 5-year average. National planting progress remained ahead of normal by the end of April with 71 percent of the crop planted by April 26, nineteen percentage points ahead of last year. Eighty-five percent of the oat crop was seeded by May 3, twenty-nine percentage points ahead of the previous year and 18 percentage points ahead of the 5-year average. Throughout June, crop development remained on pace or ahead of normal in most major oat-producing States. As of June 28, eighty-three percent of the oat acreage was headed, 12 percentage points ahead of the 5-year average. By August 9, sixty-two percent of the oat acreage was harvested, equal to the 5-year average pace. By August 30, ninety-five percent of the oat acreage was harvested, 4 percentage points ahead of the 5-year average.

**Barley:** Production is estimated at 214 million bushels, up 18 percent from the revised 2014 total. Average yield per acre, at 68.9 bushels, is down 3.8 bushels from the previous year. Producers seeded 3.56 million acres in 2015, up 17 percent from last year. Harvested area, at 3.11 million acres, is up 25 percent from 2014.

Barley planting progress was well ahead of the historical pace by early April, with 65 percent planted in Idaho and 55 percent planted in Washington by April 12. Nationwide, barley producers had seeded 75 percent of the Nation's crop by May 3, thirty-one percentage points ahead of last year and 28 percentage points ahead of the 5-year average. By the beginning of May, emergence was evident in 39 percent of the Nation's barley fields, 23 percentage points ahead of last

year and 22 percentage points ahead of the 5-year average. By May 3, the emergence of barley was more than 20 percentage points ahead of normal in four of the five estimating States. Ninety-five percent of the barley crop was emerged by May 31, twenty-two percentage points ahead of last year and 25 percentage points ahead of the 5-year average. The barley crop was almost completely emerged by the end of May in all estimating States except North Dakota. Heading of the Nation's barley crop advanced to 62 percent complete by June 28, thirty-three percentage points ahead of last year and 36 percentage points ahead of the 5-year average. Overall, 73 percent of the barley was reported in good to excellent condition on June 28, five percentage points better than the same time last year. Hot, dry conditions in Montana and Washington dried out soils and lowered barley condition ratings in June. By August 2, barley producers had harvested 17 percent of the Nation's crop, 9 percentage points ahead of the 5-year average. Overall, 66 percent of the barley was reported in good to excellent condition on August 9, slightly above the same time last year. Ninety-five percent of the barley crop was harvested by September 6, seventeen percentage points ahead of last year and 13 percentage points ahead of the 5-year average.

**All wheat:** Production totaled 2.05 billion bushels in 2015, up 1 percent from the 2014 total. Area harvested for grain totaled 47.1 million acres, up 2 percent from the previous year. The United States yield is estimated at 43.6 bushels per acre, down 0.1 bushel from the previous year. The levels of production and changes from 2014 by type are winter wheat, 1.37 billion bushels, down less than 1 percent; other spring wheat, 599 million bushels, up less than 1 percent; and Durum wheat, 82.5 million bushels, up 53 percent.

**Winter wheat:** Winter wheat production for 2015 totaled 1.37 billion bushels, down less than 1 percent from the 2014 total. The United States yield, at 42.5 bushels per acre, is down 0.1 bushel from 2014. Area harvested for grain is estimated at 32.3 million acres, down slightly from the previous year. A record high yield is estimated in Michigan for 2015.

Planted acreage was down from 2014 in most of the major Hard Red Winter (HRW) growing States. Particularly large decreases occurred in Colorado, Kansas, Montana, and North Dakota. Harvested acres were up across the Southern HRW region, with large increases in Oklahoma and Texas compared with 2014. Nationally, HRW production totaled 827 million bushels, up 12 percent from 2014.

In the Soft Red Winter (SRW) growing area, planted and harvested acreage decreases from 2014 were experienced throughout most of the region. SRW production totaled 359 million bushels, down 21 percent from 2014.

White winter production totaled 184 million bushels, up slightly from the previous year. Harvested acreage in the Pacific Northwest (Idaho, Oregon, and Washington) was down 3 percent from 2014. Yields were up from last year in Idaho and Washington.

**Other spring wheat:** Production for 2015 is estimated at 599 million bushels, up less than 1 percent from the 2014 total. Harvested area totaled 12.9 million acres, up 2 percent from 2014. The United States yield is estimated at 46.3 bushels per acre, down 0.4 bushel below the 2014 average yield. Of the total production, 564 million bushels are Hard Red Spring wheat, up 2 percent from 2014. Record high yields are estimated in North Dakota and Minnesota.

By May 3, producers had sown 75 percent of the spring wheat crop, 50 percentage points ahead of the previous year and 35 percentage points ahead of the 5-year average. Favorable field conditions aided planting progress which remained ahead of the 5-year average pace throughout the spring. Nationally, producers had sown 94 percent of the spring wheat crop by May 17, forty-seven percentage points ahead of the previous year and 29 percentage points ahead of the 5-year average. Seventy-six percent of the spring wheat was at or beyond the heading stage by July 5, thirty-two percentage points ahead of the previous year and 29 percentage points ahead of the 5-year average. Spring wheat development ran well ahead of normal in the Pacific Northwest and Northern Great Plains in 2015. Nationally, 88 percent of the spring wheat crop was harvested by August 30, fifty-two percentage points ahead of the previous year and 26 percentage points ahead of the 5-year average.

**Durum wheat:** Production for 2015 is estimated at 82.5 million bushels, up 53 percent from the 2014 total. Grain area harvested totaled 1.90 million acres, up 41 percent from the previous year. The United States yield is estimated at 43.5 bushels per acre, up 3.3 bushels from 2014. Production in North Dakota, the largest Durum-producing State, is up

50 percent from 2014. Durum wheat production in Montana for 2015 represents a record high for the State. A record high yield is estimated in North Dakota for 2015.

Favorable conditions throughout the growing season advanced crop development ahead of normal in Montana and North Dakota, the two largest Durum-producing States. As a result, harvest progress in North Dakota and Montana as of August 30 was well ahead of last year and the 5-year average pace.

**Rice:** Production in 2015 is estimated at 192 million cwt, up less than 1 percent from the previous forecast but down 13 percent from the revised 2014 total. Planted area for 2014 is estimated at 2.61 million acres, down 12 percent from 2014. Area harvested, at 2.58 million acres, is also down 12 percent from the previous crop year. The average yield for all United States rice is estimated at 7,470 pounds per acre, up 47 pounds from the previous forecast but 106 pounds below the 2014 United States average of 7,576 pounds per acre. A record high yield is estimated for California.

**Rye:** Production for 2015 is estimated at 11.5 million bushels, up 60 percent from the 2014 total. Harvested area totaled 360,000 acres, up 102,000 acres from 2014. The United States yield, at 31.9 bushels per acre, is up 4 bushels from the previous year. Favorable weather conditions in the Southern Great Plains and the Southeast led to an increase in harvested acres from a year earlier.

**Proso millet:** Production of proso millet in 2015 totaled 14.2 million bushels, compared with the 13.5 million bushels produced in 2014. Area planted to proso millet in the United States is estimated at 445,000 acres, down 60,000 acres from 2014. Area harvested in the United States, at 418,000 acres, is down 12,000 acres from 2014. The average yield for 2015 is estimated at a record high 33.9 bushels per acre, up 2.5 bushels from the previous year.

**All hay:** Production of all dry hay for 2015 is estimated at 134 million tons, down 6 percent from the October 1 forecast and down 4 percent from the revised 2014 total. Area harvested is estimated at 54.4 million acres, down 4 percent from the October 1 forecast and down 5 percent from 2014. The average yield, at 2.47 tons per acre, is down 0.05 ton from the October 1 forecast but up 0.02 ton from the previous year.

**Alfalfa and alfalfa mixtures:** Production in 2015 is estimated at 59.0 million tons, down 7 percent from the October 1 forecast and down 4 percent from the revised 2014 total. Harvested area, at 17.8 million acres, is down 3 percent from the October 1 forecast and down 3 percent below the previous year. Average yield is estimated at 3.32 tons per acre, 0.13 ton below the October 1 forecast and down 0.02 ton from 2014.

Alfalfa production was generally down across the Nation in 2015 as a result of lower yields compared with 2014. Vermont set a record high yield at 3.00 tons per acres, 0.05 ton higher than the previous record set in 1926.

**All other hay:** Production in 2015 totaled 75.4 million tons, down 5 percent from the October forecast and down 4 percent from the revised 2014 total. Harvested area, at 36.7 million acres, is down 4 percent from the October 1 forecast and down 5 percent from last year. Average yield is estimated at a record 2.06 tons per acre, down 0.01 ton from the October 1 forecast but up 0.03 ton from the previous year.

Good moisture during the growing season was beneficial. Record high yields are estimated in Alabama, Illinois, Missouri, Nevada, and Wyoming.

**Forage:** Eighteen States are included in the forage estimation program, which measures annual production of forage crops. Haylage and greenchop production is converted to 13 percent moisture and combined with dry hay production to derive the total forage production. The total 2015 all haylage and greenchop production for the 18 States in the forage program was 33.6 million tons, of which 22.8 million tons are from alfalfa and alfalfa mixtures. The total all haylage production is up 4 percent from last year. The 18-State total for all forage production is 91.5 million tons, a decrease of 4 percent from 2014. Of this total, 50.0 million tons were produced from alfalfa and alfalfa mixtures.

**New seedings of alfalfa and alfalfa mixtures:** Growers seeded 2.54 million acres of alfalfa and alfalfa mixtures during 2015, down slightly from 2014. The new seedings of alfalfa and alfalfa mixtures will normally be harvested for the first time in the year following planting.

**Peanuts:** Production is estimated at 6.21 billion pounds, up less than 1 percent from the previous forecast and up 20 percent from 2014. Planted area is estimated at 1.63 million acres, up 20 percent from last year. Harvested area is estimated at 1.57 million acres, down less than 1 percent from last month but up 19 percent from last year. Average yield is estimated at 3,963 pounds per acre, up 41 pounds from the previous forecast and up 40 pounds from 2014.

The increase in planted acreage for 2015 was mainly due to relatively low prices of other crops. In Georgia, the largest peanut-producing State, planted acreage is up 31 percent from 2014 and is the highest peanut acreage estimated since 1991. Condition of the crop was rated mostly good to excellent during the growing season. Georgia is the only State reporting a record high production for 2015.

**Canola:** Production in 2015 is estimated at a record 2.88 billion pounds, up 14 percent from 2014 but down 7 percent from the October forecast. The average yield, at 1,677 pounds per acre, is up 63 pounds from the 2014 average yield but down 114 pounds from October. Planted area is estimated at a record high 1.78 million acres, 4 percent above the previous year's acreage. Harvested area, at 1.71 million acres, is up 10 percent from 2014 and is the second highest on record.

Production in North Dakota, the leading canola-producing State, is estimated at a record high 2.49 billion pounds, up 16 percent from 2014. Compared with last year, planted area in North Dakota is up 18 percent, but the yield is down 20 pounds per acre. Crop progress and conditions were very good throughout the growing season in North Dakota.

**Sunflower:** The 2015 sunflower production totaled 2.92 billion pounds, up 32 percent from 2014 and up less than 1 percent from the October forecast. The United States average yield per acre increased 156 pounds from last year to a record high 1,625 pounds. Planted area, at 1.86 million acres, is 19 percent above last year. Area harvested increased 19 percent from last year to 1.80 million acres.

While the largest planted area occurred in North Dakota, the State with the largest production was South Dakota where production is the highest since 1999, at 1.23 billion pounds. Compared with last year, planted area in South Dakota increased 27 percent and yield increased 179 pounds to a record high 1,858 pounds per acre. Meanwhile, production in North Dakota increased 26 percent, mostly due to the increase in yield, which increased 217 pounds from last year and is the third highest on record. In addition to South Dakota, record high yields were also achieved in Kansas and Nebraska.

United States production of oil-type sunflower varieties, at 2.38 billion pounds, increased 43 percent from 2014. Compared with last year, harvested acres are up 33 percent and the average yield increased by 119 pounds, to a record high 1,579 pounds per acre.

Production of non-oil sunflower varieties is estimated at 540 million pounds, a decrease of 3 percent from last year. Area harvested, at 308,600 acres, is down 21 percent from 2014. The average yield increased by 368 pounds from last year to a record high 1,865 pounds per acre, more than 300 pounds per acre higher than the previous record high.

Harvest of sunflowers began in very late September and progressed ahead of normal in Colorado, North Dakota, and South Dakota throughout October. As of November 1, sixty-nine percent of the crop was harvested, 22 percentage points ahead of last year and 10 percentage points ahead of the 5-year average. By November 22, harvest progress had reached 95 percent complete nationally, 10 percentage points ahead of last year and 4 percentage points ahead of normal.

**Soybeans:** Production in 2015 totaled a record 3.93 billion bushels, down 1 percent from the November forecast but up slightly from 2014. The average yield per acre is estimated at a record high 48.0 bushels, 0.3 bushel below the November forecast but 0.5 bushel above last year's yield. Planted area for the Nation, at 82.7 million acres, is down less than 1 percent from the 2014 record planted acreage. Soybean growers harvested 81.8 million acres, down less than 1 percent from both the November forecast and last year.

Compared with last year, yields were up in most of the Great Plains and the upper Great Lakes regions with 11 States showing an increase from 2014. Increases from last year of more than 5 bushels per acre occurred in Iowa, Michigan,

Minnesota, and Wisconsin. Record high yields occurred in Georgia, Illinois, Iowa, Michigan, Minnesota, Nebraska, and South Dakota.

The 2015 soybean objective yield survey data indicate that final average pod counts were higher than last year in seven of the eleven objective yield States. Compared with last year, pod counts were up more than 100 pods per 18 square feet in Illinois, Kansas, Minnesota, and Nebraska.

Favorable conditions early in the spring allowed for access to fields and the planting of soybeans across the Nation by early May. Planting of this year's soybean crop was underway by May 3 in all 18 major soybean States. Thirty-one percent of the crop was planted by May 10, thirteen percentage points ahead of last year and 11 percentage points ahead of the 5-year average. By May 31, wet conditions slowed the planting pace in the central United States, with planting progress 42 percentage points behind the 5-year average in Kansas and 34 percentage points behind in Missouri. Nationally, 71 percent of the soybean crop was planted by the end of May, four percentage points behind last year but slightly ahead of the 5-year average.

Nationally, 75 percent of the soybean crop was emerged by June 14, six percentage points behind last year and 2 percentage points behind the 5-year average. Kansas soybean emergence was 40 percentage points, or about 17 days, behind the 5-year average by June 14. Nationally, 89 percent of the soybean crop was emerged by June 28, four percentage points behind last year and 5 percentage points behind the 5-year average. By the end of June, eight percent of the soybean crop was blooming, slightly behind both last year and the 5-year average.

Ninety-six percent of the Nation's soybeans were emerged by July 12, four percentage points behind both last year and the 5-year average. By July 12, thirty-eight percent of the Nation's soybeans were at or beyond the blooming stage, slightly behind last year but slightly ahead of the 5-year average. Thirty-four percent of the soybeans were at or beyond the pod-setting stage by July 26, slightly behind last year but 3 percentage points ahead of the 5-year average. By August 2, eighty-one percent of this year's soybean crop was at or beyond the blooming stage, 3 percentage points behind last year and 2 percentage points behind the 5-year average. Fifty-four percent of the soybeans were at or beyond the pod-setting stage by August 2, equal to last year but 5 percentage points ahead of the 5-year average. As of August 2, sixty-three percent of the soybean crop was rated in good to excellent condition, compared with 71 percent for the same week last year.

Cooler temperatures throughout the Midwest in August slowed development of the Nation's soybean crop compared to historical averages. By August 30, ninety-three percent of the soybean crop was at or beyond the pod-setting stage, slightly behind last year and 2 percentage points behind the 5-year average. As of August 30, sixty-three percent of the United States soybean crop was rated in good to excellent condition, 9 percentage points below the same time in 2014.

Warm and dry conditions throughout most of the Midwest in September accelerated the maturity and harvest progress of the soybean crop. Overall, harvest was 42 percent complete on October 4, twenty-three percentage points ahead of last year and 10 percentage points ahead of the 5-year average. At that time, harvest progress was over 20 percentage points ahead of the 5-year average in Minnesota, North Dakota, and Ohio. As of October 4, sixty-four percent of the Nation's soybean crop was rated in good to excellent condition, 9 percentage points below the same week last year.

Warm and dry conditions during the month of October provided suitable conditions for fieldwork across the major soybean producing regions. By October 18, the soybean crop was 77 percent harvested, 26 percentage points ahead of last year and 9 percentage points ahead of the 5-year average. Producers in the eastern Corn Belt especially benefitted from favorable harvest conditions, with progress as of October 18 thirty-two percentage points ahead of the State 5-year average in Ohio and 20 percentage points ahead in Indiana. As of November 8, harvest was 95 percent complete Nationwide, 6 percentage points ahead of last year and 2 percentage points ahead of the 5-year average.

**Flaxseed:** Production of flaxseed in 2015 totaled 10.1 million bushels, up 59 percent from last year. Harvested area totaled 456,000 acres in 2015, up 51 percent from the previous year. Harvested acreage in North Dakota, the largest flaxseed-producing State, is estimated at 405,000 acres, up 50 percent from 2014. The average United States yield for 2014, at 22.1 bushels per acre, is up 1.0 bushel from 2014 and is the second highest yield on record.

**Safflower:** Production of safflower in 2015, at 214 million pounds, is up 3 percent from 2014 and is the highest since 2010. Growers planted 168,200 acres in 2015, a decrease of 7 percent from 2014. Harvested area, at 159,100 acres, is also down 7 percent from the previous year. Average yield, at 1,347 pounds per acre, increased 121 pounds from 2014 and is the highest since 2009.

**Other Oilseeds:** Mustard seed production for 2015 decreased 7 percent from the previous year to 26.9 million pounds. This represents the second lowest production since 1996. Planted area, at 44,000 acres, is up 31 percent from 2014 but is the fourth lowest acreage since 1996. Harvested area, at 40,100 acres, is up 29 percent from last year. The average yield, at 671 pounds per acre, is 259 pounds below the 2014 average yield and is the fifth lowest yield since records began in 1991.

Rapeseed production decreased 41 percent from 2014 to 1.52 million pounds. This is the fifth lowest production since records began in 1991. Growers planted 1,200 acres of rapeseed in 2015, a decrease of 1,000 acres from 2014 and the third lowest since records began in 1991. Harvested area, at 1,100 acres, is also down 1,000 acres from last year. The average yield in 2015 was 1,382 pounds per acre, an increase of 149 pounds from 2014.

**Cotton:** Upland cotton production is estimated at 12.5 million 480-pound bales, down less than 1 percent from the December forecast and down 21 percent from last year. The United States yield for Upland cotton is estimated at 758 pounds per acre, up 3 pounds from the December forecast but down 68 pounds from 2014. Upland planted area, estimated at 8.42 million acres, is down 22 percent from last year. Harvested area, at 7.92 million acres, is down less than 1 percent from the December forecast and down 13 percent from last year. Record high Upland yields are estimated in Kansas, Oklahoma, and Tennessee.

American Pima producers planted 158,500 acres, down 18 percent from last year. Harvested area, at 154,900 acres, is down 18 percent from last year. Production is estimated at 435,000 bales (480-pound), down 4 percent from the September forecast and down 23 percent from last year. The United States yield is estimated at 1,348 pounds per acre, down 55 pounds from the September forecast and down 84 pounds from last year.

Ginnings totaled 11,094,200 running bales prior to January 1, compared with 14,213,650 running bales ginned prior to the same date last year.

**Cottonseed:** Production for 2015, based on a 3-year average lint-seed ratio, is expected to total 4.15 million tons, down 19 percent from last year.

**Tobacco:** United States all tobacco production for 2015 is estimated at 711 million pounds, up 1 percent from the October forecast but down 19 percent from last year. Growers harvested 326,550 acres, down 1 percent from the previous forecast and 14 percent above a year ago. Yield per acre averaged 2,178 pounds per acre, up 30 pounds from the previous forecast but down 138 pounds per acre from 2014.

Flue-cured tobacco production is estimated at 482 million pounds, up 3 percent from the previous forecast but 16 percent lower than last year. Harvested acres totaled 218,000 acres in 2015, down fractionally from the October 1 forecast and 11 percent below a year ago. Yields averaged 2,210 pounds per acre, 65 pounds above the last forecast but down 125 pounds from 2014. North Carolina growers reported drought conditions in some fields and the dry weather negatively impacted yields.

Burley production totaled 145 million pounds, down 5 percent from the October forecast and 32 percent below last year. Growers harvested 78,900 acres, down 3 percent from the previous forecast and 22 percent below 2014. Yields averaged 1,834 pounds per acre, 42 pounds below October and 266 pounds below a year ago. Kentucky and Tennessee growers reported adverse weather and disease caused many fields to have lower yields and some were only able to be partially harvested.

**Sugarbeets:** Production for 2015 is estimated at 35.3 million tons, up slightly from the November 1 forecast and up 13 percent from last year revised production. Growers in the 10 major sugarbeet-producing States planted 1.16 million acres, down slightly from last year revised area. Harvested area, at 1.14 million acres, is down slightly from the previous

year. Estimated yield, at 30.8 tons per acre, is unchanged from the November forecast but 3.5 tons above last year.

**Sugarcane:** Production of sugarcane for sugar and seed in 2015 is estimated at 32.5 million tons, of which 31.0 million tons were utilized for sugar and 1.58 million tons for seed. Total production for sugar and seed is up 1 percent from the December 1 forecast and up 7 percent from 2014. Sugarcane producers harvested 892,700 acres for sugar and seed in 2015, unchanged from the December forecast, but up 3 percent from last year. Yield for sugar and seed is estimated at 36.5 tons per acre, up 0.5 tons from the December forecast but up 4.3 tons from 2014.

**Dry beans:** Production of dry edible beans is estimated at 30.1 million cwt, up 4 percent from last year. Planted area is estimated at 1.76 million acres, up 4 percent from 2014. Harvested area is estimated at 1.71 million acres, also up 4 percent from a year ago. The average United States yield is estimated at 1,760 pounds per acre, an increase of 6 pounds from last year.

In North Dakota, harvest was 97 percent complete by October 4, well ahead of the previous year and the 5-year average of 60 percent. During the season, most of the crop was rated in good to excellent condition. In Michigan, harvest was complete by the end of October, ahead of last year's pace. Most of the bean crop was reported in good to excellent condition. Nebraska's harvest was 96 percent complete by October 11, the same as a year earlier.

**Lentils:** Production of lentils is estimated at 5.28 million cwt, up 53 percent from last year. Area for harvest is estimated at 476,000 acres, up 84 percent from the previous year. Average yield is 1,108 pounds per acre, down 223 pounds from 2014. Planted and harvested area are the second highest on record, behind only the 2010 season.

In North Dakota, planting was complete by the end of May, approximately three weeks ahead of last year. Harvest began in early August and was complete by the last week of September, also about three weeks ahead of last season. Moisture supplies were rated adequate to surplus throughout the season. In Idaho, Montana, and Washington high temperatures and drought-like conditions throughout the growing season reduced yields from 2014.

**Wrinkled seed peas:** Production is estimated at 384,000 cwt in 2015, down 38 percent from 2014. A 52 percent decrease in Washington production more than offset a 12 percent increase in Idaho production.

**Dry edible peas:** Production of dry edible peas is estimated at 18.3 million cwt, up 7 percent from last year. Planted area, at 1,143,000 acres, and harvested area, at 1,083,500 acres, increased by 22 percent and 20 percent, respectively. Planted and harvested acreage and production are at record high levels. Average yield is 1,687 pounds per acre, down 220 pounds from 2014.

In Montana, planting was nearly finished by mid-May, ahead of last year's pace. Harvest began in mid-July and was finishing up by late August. The crop was rated mostly fair to good throughout the season. In North Dakota, harvest began in early August and wrapped up by early September. Excessive heat and dry conditions reduced yields in Idaho, Montana, Oregon, and Washington from 2014.

**Austrian winter peas:** Planted area of Austrian winter peas is estimated at 34,000 acres, up 42 percent from a year ago. Area harvested is expected to total 21,000 acres, up 25 percent from 2014. Yield, at 1,238 pounds per acre, is down 143 pounds from a year ago. Production increased 12 percent from last season.

**All potatoes:** Total 2015 United States potato production is estimated at 440 million cwt, slightly below the 2014 crop. Harvested area, at 1.05 million acres, is up slightly from last year. The average yield, at 418 cwt per acre, is down 3 cwt from last year.

**Spring potatoes:** Production for 2015 is estimated at 20.3 million cwt, up 1 percent from the May 1 forecast but down 10 percent from 2014. Harvested area totaled 68,500 acres, up 4 percent from the previous forecast but down 4 percent from a year ago. The average yield of 296 cwt per acre is down 8 cwt from the May 1 forecast and down 22 cwt from 2014.



**Summer potatoes:** Production of summer potatoes is estimated at 15.7 million cwt, down 1 percent from 2014. Harvested area is estimated at 47,100 acres, 4 percent below last year. Average yield is estimated at 334 cwt per acre, up 10 cwt from 2014.

**Fall potatoes:** Production of fall potatoes for 2015 is estimated at 405 million cwt, down 1 percent from the November forecast but up slightly from last year. Area harvested, at 937,700 acres, is down 1 percent from the November forecast but up 1 percent from last year. The average yield is estimated at 431 cwt per acre, down 1 cwt from the November forecast and down 3 cwt from last year's yield.

Idaho's 2015 potential potato yields were reduced by summer heat, particularly in eastern areas of the State. All varieties were adversely affected by the heat, but Russet Burbanks in particular. Late blight was a problem in parts of the State as well. Summer heat also negatively impacted Washington's potato yield and quality.

**Sweet potatoes:** Production of sweet potatoes in 2015 is estimated at 31.0 million cwt, up 5 percent from last year. Growers harvested 153,100 acres, up 13 percent from last year. Yield per acre, at 203 cwt, is down 16 cwt from last year.

In North Carolina, the growing season was hot and dry with limited rainfall which reduced overall yields. Mississippi growers were hindered by excessive rains during planting and then drought during the summer. In California, acreage remained stable as growers were faced with water shortages.

**Peppermint oil:** Production in 2015 is estimated at 5.88 million pounds, up 3 percent from last year. Harvested area is estimated at 65,200 acres, up 3 percent from 2014. Average yield is estimated at 90 pounds of oil per acre, the same as a year ago.

**Spearmint oil:** Production is estimated at 3.07 million pounds for 2015, up 10 percent from last year. Harvested area is estimated at 27,200 acres, up 2,800 acres from a year ago. Average yield is estimated at 113 pounds of oil per acre, down 1 pound from last year.

**Hops:** Production for Idaho, Oregon, and Washington in 2015 totaled 78.8 million pounds, up 11 percent from the 2014 crop of 71.0 million pounds. Production increased in all three States: 30 percent in Oregon, 26 percent in Idaho, and 6 percent in Washington. Acreage increased in all three States: 22 percent in Oregon, 30 percent in Idaho, and 11 percent in Washington. The United States yield, at 1,807 pounds per acre, decreased 61 pounds from a year ago. These are the highest acres harvested and production on record in Idaho going back to 1944 and the highest acres harvested on record in Washington going back to 1915.

Washington growers produced 75 percent of the United States hop crop in 2015. Cascade, Zeus, Simcoe, Centennial, and Columbus/Tomahawk were the leading varieties in Washington, accounting for 52 percent of the State's hop crop. In Oregon, Nugget and Cascade were the major varieties, accounting for 47 percent of the State's hop production. In Idaho, Zeus, Cascade, and Chinook were the major varieties, accounting for 44 percent of the State's hop production.

The preliminary 2015 value of production of the United States hop crop is \$345 million, up 33 percent from the revised 2014 value of \$261 million. In 2015, growers reported receiving record high prices both in Washington and at the national level. The increased value can be attributed to higher production and hop production shifting from Alpha varieties to Aroma varieties that are higher in value. Increased demand from the craft brewing sector has also led to higher prices for hops.

**Maple syrup:** The 2015 United States maple syrup production totaled 3.41 million gallons, up 6 percent from the previous year. The number of taps is estimated at 11.9 million, up 4 percent from the 2014 total. Yield per tap is estimated to be 0.287 gallons, up 2 percent from the previous season's yield. All States, with the exception of Ohio, showed an increase in production from the previous year.

**Taro:** Hawaii taro production for the 2015 crop year is 3.50 million pounds, up 8 percent from the previous year. Harvested area at 340 acres, is down 20 acres from 2014. Yield for 2015 is 10,300 pounds per acre, up 1,300 pounds per acre from last year. Adequate moisture had a positive effect on overall production.

## 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 83,000 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 2015 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 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, 2.4 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, 4.8 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](mailto:nass@nass.usda.gov)

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

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