



United States  
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Agriculture

National  
Agricultural  
Statistics  
Service



# Crop Production 2010 Summary

## January 2011

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# USDA





## Update Alert – January 14, 2011

Barley and Dry Bean narratives on pages 85 and 92, respectively, have been updated to accurately reflect the data in the tables.

**Corn** for grain production is estimated at 12.4 billion bushels, down 1 percent from the November 1 forecast and 5 percent below the record high production of 13.1 billion bushels set in 2009. United States grain yield for 2010 is estimated at 152.8 bushels per acre. This is down 1.5 bushels from the November forecast and 11.9 bushels below the record high yield of 164.7 bushels per acre set in 2009. Area harvested for grain is estimated at 81.4 million acres, up slightly from the November forecast and up 2 percent from 2009.

**Sorghum** grain production in 2010 is estimated at 345 million bushels, up 2 percent from the November 1 forecast but 10 percent below 2009. Planted area is estimated at 5.40 million acres, down 19 percent from last year. Area harvested for grain, at 4.81 million acres, is down 13 percent from 2009. Average grain yield, at 71.8 bushels per acre, is down 0.7 bushel from the previous forecast but up 2.4 bushels from last year.

**Rice** production in 2010 is estimated at a record high 243 million cwt, up 1 percent from the previous forecast and up 11 percent from 2009. Planted area is estimated at 3.64 million acres, up 16 percent from 2009. Area harvested, at 3.62 million acres, is down slightly from the previous forecast but up 17 percent from the previous crop year. The average yield for all United States rice is estimated at 6,725 pounds per acre, up 56 pounds from the previous forecast but down 360 pounds from the 2009 yield.

**Soybean** production in 2010 totaled 3.33 billion bushels, down 1 percent from the November 1 forecast and down 1 percent from 2009. United States production is the second largest on record. The average yield per acre is estimated at 43.5 bushels, 0.4 bushel below the November 1 forecast and 0.5 bushel below last year's record high yield. Harvested area is up slightly from 2009 to a record high 76.6 million acres.

**All cotton** production is estimated at 18.3 million 480-pound bales, up slightly from last month and up 50 percent from 2009. The United States yield is estimated at 821 pounds per acre, up 7 pounds from the December 1 forecast and up 44 pounds from last year. Harvested area, at 10.7 million acres, is down 1 percent from December but up 42 percent from last year.

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This report was approved on January 12, 2011.



Acting Secretary of  
Agriculture  
Darci L. Vetter



Agricultural Statistics Board  
Chairperson  
Hubert Hamer

## Special Note

NASS is in the process of modifying report layouts in order to improve readability. This is the first issue produced using the new layout. This report issue is published using both layouts but future issues will only be produced using this layout. The previous layout is available on the NASS website: <http://www.nass.usda.gov>.

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## Principal Crops Area Planted and Harvested – States and United States: 2008-2010

[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		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	2,308	2,200	2,115	2,199	2,078	2,031
Arizona .....	742	741	738	734	734	730
Arkansas .....	8,361	7,751	7,646	8,196	7,504	7,532
California .....	4,432	4,153	4,205	3,853	3,585	3,651
Colorado .....	5,972	6,061	6,248	5,403	5,781	6,034
Connecticut .....	85	90	88	81	86	84
Delaware .....	480	472	442	472	463	431
Florida .....	1,074	1,041	1,079	1,051	1,014	1,053
Georgia .....	3,971	3,769	3,576	3,632	3,396	3,309
Hawaii .....	23	22	17	23	22	17
Idaho .....	4,296	4,329	4,371	4,134	4,186	4,236
Illinois .....	23,251	22,945	22,716	23,004	22,747	22,525
Indiana .....	12,335	12,155	12,190	12,155	12,087	12,088
Iowa .....	24,790	24,648	24,595	24,330	24,387	24,300
Kansas .....	22,764	22,669	22,729	21,814	21,876	22,127
Kentucky .....	5,929	5,769	5,745	5,792	5,629	5,555
Louisiana .....	3,695	3,410	3,412	3,494	3,288	3,369
Maine .....	275	281	267	268	276	262
Maryland .....	1,463	1,452	1,412	1,363	1,395	1,341
Massachusetts .....	95	102	99	91	99	96
Michigan .....	6,517	6,436	6,493	6,454	6,301	6,436
Minnesota .....	19,778	19,595	19,823	19,401	19,256	19,490
Mississippi .....	4,662	4,354	4,331	4,573	4,163	4,207
Missouri .....	14,070	13,556	13,140	13,690	13,403	12,862
Montana .....	9,199	9,100	9,285	8,774	8,689	8,875
Nebraska .....	18,819	19,035	19,226	18,444	18,590	18,792
Nevada .....	490	519	504	478	512	493
New Hampshire .....	68	72	71	67	72	70
New Jersey .....	332	315	309	326	307	301
New Mexico .....	1,104	1,045	1,090	783	714	901
New York .....	2,898	2,935	2,943	2,861	2,886	2,903
North Carolina .....	5,032	4,925	4,736	4,855	4,714	4,529
North Dakota .....	23,745	21,583	21,496	22,703	20,916	21,021
Ohio .....	10,147	10,021	10,010	10,031	9,911	9,915
Oklahoma .....	10,149	10,562	10,335	8,684	8,002	8,635
Oregon .....	2,194	2,124	2,224	2,136	2,079	2,182
Pennsylvania .....	3,924	3,728	3,703	3,858	3,653	3,598
Rhode Island .....	10	10	11	10	9	11
South Carolina .....	1,715	1,654	1,631	1,660	1,591	1,584
South Dakota .....	17,533	17,352	16,133	17,039	16,809	15,747
Tennessee .....	5,003	4,907	4,797	4,860	4,727	4,649
Texas .....	22,438	22,465	21,972	17,278	15,618	19,107
Utah .....	996	994	1,000	936	936	931
Vermont .....	274	281	287	266	273	280
Virginia .....	2,815	2,671	2,774	2,734	2,573	2,672
Washington .....	3,597	3,600	3,701	3,537	3,511	3,631
West Virginia .....	678	701	695	673	695	690
Wisconsin .....	8,066	8,160	7,864	7,890	7,924	7,638
Wyoming .....	1,469	1,705	1,634	1,406	1,613	1,563
United States <sup>1</sup> .....	324,997	319,250	316,696	308,810	301,278	304,668

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

**Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2008-2010**

State	Area planted for all purposes			Area harvested for grain		
	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)
Alabama .....	260	280	270	235	250	250
Arizona .....	50	50	45	15	20	22
Arkansas .....	440	430	390	430	410	380
California .....	670	550	610	170	160	180
Colorado .....	1,250	1,100	1,330	1,010	990	1,210
Connecticut <sup>1</sup> .....	27	26	26	(NA)	(NA)	(NA)
Delaware .....	160	170	180	152	163	173
Florida .....	70	70	60	35	37	25
Georgia .....	370	420	295	310	370	245
Idaho .....	300	300	320	80	80	110
Illinois .....	12,100	12,000	12,600	11,900	11,800	12,400
Indiana .....	5,700	5,600	5,900	5,460	5,460	5,720
Iowa .....	13,300	13,600	13,400	12,800	13,300	13,050
Kansas .....	3,850	4,100	4,850	3,630	3,860	4,650
Kentucky .....	1,210	1,220	1,340	1,120	1,150	1,230
Louisiana .....	520	630	510	510	610	500
Maine <sup>1</sup> .....	29	28	28	(NA)	(NA)	(NA)
Maryland .....	460	470	500	400	425	430
Massachusetts <sup>1</sup> .....	19	17	17	(NA)	(NA)	(NA)
Michigan .....	2,400	2,350	2,400	2,140	2,090	2,100
Minnesota .....	7,700	7,600	7,700	7,200	7,150	7,300
Mississippi .....	720	730	750	700	695	670
Missouri .....	2,800	3,000	3,150	2,650	2,920	3,000
Montana .....	78	72	80	35	26	34
Nebraska .....	8,800	9,150	9,150	8,550	8,850	8,850
Nevada <sup>1</sup> .....	5	4	4	(NA)	(NA)	(NA)
New Hampshire <sup>1</sup> .....	15	15	15	(NA)	(NA)	(NA)
New Jersey .....	85	80	80	74	70	71
New Mexico .....	140	130	140	55	50	66
New York .....	1,090	1,070	1,050	640	595	590
North Carolina .....	900	870	910	830	800	840
North Dakota .....	2,550	1,950	2,050	2,300	1,740	1,880
Ohio .....	3,300	3,350	3,450	3,120	3,140	3,270
Oklahoma .....	370	390	370	320	320	340
Oregon .....	60	60	70	33	32	38
Pennsylvania .....	1,350	1,350	1,350	880	920	910
Rhode Island <sup>1</sup> .....	2	2	2	(NA)	(NA)	(NA)
South Carolina .....	355	335	350	315	320	335
South Dakota .....	4,750	5,000	4,550	4,400	4,680	4,220
Tennessee .....	690	670	710	630	590	640
Texas .....	2,300	2,350	2,300	2,030	1,960	2,080
Utah .....	70	65	70	23	17	23
Vermont <sup>1</sup> .....	94	91	92	(NA)	(NA)	(NA)
Virginia .....	470	480	490	340	330	310
Washington .....	165	170	200	90	105	125
West Virginia .....	43	47	48	26	30	29
Wisconsin .....	3,800	3,850	3,900	2,880	2,930	3,100
Wyoming .....	95	90	90	52	45	50
United States .....	85,982	86,382	88,192	78,570	79,490	81,446

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: 2008-2010 (continued)**

State	Yield per acre			Production		
	2008 (bushels)	2009 (bushels)	2010 (bushels)	2008 (1,000 bushels)	2009 (1,000 bushels)	2010 (1,000 bushels)
Alabama .....	104.0	108.0	116.0	24,440	27,000	29,000
Arizona .....	165.0	175.0	210.0	2,475	3,500	4,620
Arkansas .....	155.0	148.0	150.0	66,650	60,680	57,000
California .....	195.0	180.0	195.0	33,150	28,800	35,100
Colorado .....	137.0	153.0	151.0	138,370	151,470	182,710
Connecticut <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Delaware .....	125.0	145.0	115.0	19,000	23,635	19,895
Florida .....	105.0	100.0	105.0	3,675	3,700	2,625
Georgia .....	140.0	140.0	145.0	43,400	51,800	35,525
Idaho .....	170.0	180.0	180.0	13,600	14,400	19,800
Illinois .....	179.0	174.0	157.0	2,130,100	2,053,200	1,946,800
Indiana .....	160.0	171.0	157.0	873,600	933,660	898,040
Iowa .....	171.0	182.0	165.0	2,188,800	2,420,600	2,153,250
Kansas .....	134.0	155.0	125.0	486,420	598,300	581,250
Kentucky .....	136.0	165.0	124.0	152,320	189,750	152,520
Louisiana .....	144.0	132.0	140.0	73,440	80,520	70,000
Maine <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maryland .....	121.0	145.0	106.0	48,400	61,625	45,580
Massachusetts <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan .....	138.0	148.0	150.0	295,320	309,320	315,000
Minnesota .....	164.0	174.0	177.0	1,180,800	1,244,100	1,292,100
Mississippi .....	140.0	126.0	136.0	98,000	87,570	91,120
Missouri .....	144.0	153.0	123.0	381,600	446,760	369,000
Montana .....	136.0	152.0	135.0	4,760	3,952	4,590
Nebraska .....	163.0	178.0	166.0	1,393,650	1,575,300	1,469,100
Nevada <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Hampshire <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Jersey .....	116.0	143.0	114.0	8,584	10,010	8,094
New Mexico .....	180.0	185.0	180.0	9,900	9,250	11,880
New York .....	144.0	134.0	150.0	92,160	79,730	88,500
North Carolina .....	78.0	117.0	91.0	64,740	93,600	76,440
North Dakota .....	124.0	115.0	132.0	285,200	200,100	248,160
Ohio .....	135.0	174.0	163.0	421,200	546,360	533,010
Oklahoma .....	115.0	105.0	130.0	36,800	33,600	44,200
Oregon .....	200.0	215.0	200.0	6,600	6,880	7,600
Pennsylvania .....	133.0	143.0	128.0	117,040	131,560	116,480
Rhode Island <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
South Carolina .....	65.0	111.0	91.0	20,475	35,520	30,485
South Dakota .....	133.0	151.0	135.0	585,200	706,680	569,700
Tennessee .....	118.0	148.0	117.0	74,340	87,320	74,880
Texas .....	125.0	130.0	145.0	253,750	254,800	301,600
Utah .....	157.0	155.0	172.0	3,611	2,635	3,956
Vermont <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virginia .....	108.0	131.0	67.0	36,720	43,230	20,770
Washington .....	205.0	215.0	205.0	18,450	22,575	25,625
West Virginia .....	130.0	126.0	90.0	3,380	3,780	2,610
Wisconsin .....	137.0	153.0	162.0	394,560	448,290	502,200
Wyoming .....	134.0	140.0	121.0	6,968	6,300	6,050
United States .....	153.9	164.7	152.8	12,091,648	13,091,862	12,446,865

(NA) Not available.

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

## Corn for Silage Area Harvested, Yield, and Production – States and United States: 2008-2010

State	Area harvested			Yield per acre			Production		
	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)	2008 (tons)	2009 (tons)	2010 (tons)	2008 (1,000 tons)	2009 (1,000 tons)	2010 (1,000 tons)
Alabama .....	10	9	9	15.0	13.0	15.0	150	117	135
Arizona .....	35	30	23	30.0	29.0	26.0	1,050	870	598
Arkansas .....	4	3	4	14.0	15.0	21.0	56	45	84
California .....	495	385	425	26.5	26.0	26.5	13,118	10,010	11,263
Colorado .....	120	85	100	21.5	23.5	24.5	2,580	1,998	2,450
Connecticut .....	23	22	22	21.5	15.5	20.5	495	341	451
Delaware .....	6	5	5	13.0	15.0	14.0	78	75	70
Florida .....	30	30	30	17.0	18.0	15.0	510	540	450
Georgia .....	45	30	45	18.0	17.0	16.0	810	510	720
Idaho .....	215	215	205	27.0	27.5	25.0	5,805	5,913	5,125
Illinois .....	100	100	110	17.0	19.0	18.0	1,700	1,900	1,980
Indiana .....	110	110	130	20.0	20.0	21.0	2,200	2,200	2,730
Iowa .....	200	220	240	20.5	22.0	21.5	4,100	4,840	5,160
Kansas .....	170	180	140	17.0	19.0	14.0	2,890	3,420	1,960
Kentucky .....	85	60	70	16.0	19.5	18.5	1,360	1,170	1,295
Louisiana .....	5	3	5	14.0	13.0	16.0	70	39	80
Maine .....	25	25	25	18.0	12.5	18.0	450	313	450
Maryland .....	55	40	60	15.0	19.0	13.0	825	760	780
Massachusetts .....	15	14	14	19.5	15.0	20.0	293	210	280
Michigan .....	250	220	290	16.5	15.5	18.5	4,125	3,410	5,365
Minnesota .....	400	380	350	16.0	20.0	20.0	6,400	7,600	7,000
Mississippi .....	15	10	10	13.0	15.0	16.0	195	150	160
Missouri .....	50	50	60	14.0	16.0	15.0	700	800	900
Montana .....	41	45	45	22.0	23.0	24.0	902	1,035	1,080
Nebraska .....	160	210	180	17.0	18.0	18.5	2,720	3,780	3,330
Nevada .....	5	4	4	26.0	24.0	25.0	130	96	100
New Hampshire .....	14	15	14	21.5	18.0	20.5	301	270	287
New Jersey .....	10	9	8	17.0	17.5	15.5	170	158	124
New Mexico .....	83	78	72	25.0	27.0	27.0	2,075	2,106	1,944
New York .....	445	470	455	20.0	18.0	19.0	8,900	8,460	8,645
North Carolina .....	55	55	50	15.0	18.0	13.0	825	990	650
North Dakota .....	220	170	150	10.0	12.0	14.0	2,200	2,040	2,100
Ohio .....	140	170	140	17.0	20.0	17.0	2,380	3,400	2,380
Oklahoma .....	30	25	20	16.5	14.0	16.0	495	350	320
Oregon .....	27	28	32	27.0	26.0	27.0	729	728	864
Pennsylvania .....	450	420	400	18.5	19.5	18.0	8,325	8,190	7,200
Rhode Island .....	2	2	2	20.5	12.5	21.0	41	25	42
South Carolina .....	28	10	10	9.0	16.0	16.0	252	160	160
South Dakota .....	300	250	270	12.0	16.0	13.5	3,600	4,000	3,645
Tennessee .....	55	50	45	15.0	21.0	16.0	825	1,050	720
Texas .....	180	140	140	21.0	21.0	18.0	3,780	2,940	2,520
Utah .....	47	47	46	23.0	23.0	23.0	1,081	1,081	1,058
Vermont .....	86	83	85	19.0	17.0	18.5	1,634	1,411	1,573
Virginia .....	125	135	155	16.0	18.5	12.5	2,000	2,498	1,938
Washington .....	75	65	75	26.0	26.0	27.0	1,950	1,690	2,025
West Virginia .....	16	16	17	17.0	17.5	12.5	272	280	213
Wisconsin .....	875	850	750	17.5	16.0	19.0	15,313	13,600	14,250
Wyoming .....	33	32	30	23.0	20.0	22.0	759	640	660
United States .....	5,965	5,605	5,567	18.7	19.3	19.3	111,619	108,209	107,314

## Corn for Grain Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in 10 corn producing States during 2010. 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 Number of Ears per Acre – Selected States: 2006-2010

State and month	2006	2007	2008	2009	2010	State and month	2006	2007	2008	2009	2010
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Illinois</b>						<b>Nebraska</b>					
September .....	27,600	27,750	28,600	29,150	28,650	All corn .....					
October .....	27,450	27,750	28,500	28,900	28,500	September ....	23,850	24,850	24,050	25,650	25,250
November .....	27,400	27,750	28,400	28,900	28,550	October .....	23,700	24,750	23,950	25,650	25,250
Final .....	27,400	27,750	28,350	28,900	28,550	November .....	23,700	24,750	23,900	25,600	25,100
						Final .....	23,550	24,750	23,900	25,650	25,100
<b>Indiana</b>						Irrigated					
September .....	25,850	26,950	27,950	27,950	27,900	September ....	26,750	27,200	26,800	27,900	27,100
October .....	25,750	26,800	27,700	28,100	27,750	October .....	26,600	27,000	27,000	27,950	27,100
November .....	25,700	26,800	27,700	28,000	27,750	November .....	26,600	27,000	26,900	27,900	26,950
Final .....	25,750	26,800	27,700	27,950	27,750	Final .....	26,650	27,000	26,900	27,950	26,950
<b>Iowa</b>						Non-irrigated					
September .....	27,350	28,500	28,600	29,250	29,450	September ....	19,400	21,100	19,550	22,100	22,350
October .....	27,350	28,400	28,600	29,200	29,450	October .....	19,150	21,050	19,500	22,050	22,250
November .....	27,350	28,450	28,600	29,200	29,300	November .....	19,200	21,100	19,550	22,000	22,200
Final .....	27,350	28,400	28,600	29,200	29,300	Final .....	18,800	21,100	19,550	22,000	22,200
<b>Kansas</b>						<b>Ohio</b>					
September .....	20,850	20,900	19,850	22,750	21,250	September .....	25,200	26,350	26,950	27,700	27,700
October .....	20,750	20,800	20,600	22,650	21,250	October .....	25,350	26,000	27,400	27,950	27,650
November .....	20,750	20,800	20,650	22,750	21,250	November .....	25,450	25,950	27,250	27,650	27,650
Final .....	20,750	20,800	20,650	22,700	21,250	Final .....	25,450	25,950	27,250	27,650	27,650
<b>Minnesota</b>						<b>South Dakota</b>					
September .....	28,050	28,850	29,900	30,250	29,750	September .....	22,050	23,250	24,150	26,150	24,850
October .....	28,250	28,600	29,350	30,750	29,600	October .....	21,900	22,700	23,900	26,050	24,800
November .....	28,250	28,600	29,450	30,800	29,700	November .....	21,700	22,700	23,800	26,050	24,450
Final .....	28,250	28,600	29,400	30,800	29,700	Final .....	21,700	22,700	23,800	26,050	24,450
<b>Missouri</b>						<b>Wisconsin</b>					
September .....	23,850	23,950	25,050	24,800	25,100	September .....	26,750	27,800	27,750	27,500	28,700
October .....	23,800	23,950	25,000	24,800	24,750	October .....	26,850	27,700	28,300	28,850	28,500
November .....	23,800	23,950	24,900	24,800	24,700	November .....	27,200	27,850	27,950	28,150	28,550
Final .....	23,800	23,950	24,900	24,800	24,700	Final .....	27,200	27,850	27,900	28,100	28,550

**Sorghum Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2008-2010**

State	Area planted for all purposes			Area harvested for grain		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama <sup>1</sup> .....	12	(NA)	(NA)	6	(NA)	(NA)
Arizona .....	57	35	25	27	8	6
Arkansas .....	125	40	40	115	37	35
California <sup>1</sup> .....	47	(NA)	(NA)	9	(NA)	(NA)
Colorado .....	230	180	210	150	150	160
Georgia .....	60	55	45	44	40	25
Illinois .....	80	40	35	76	36	33
Kansas .....	2,900	2,700	2,350	2,750	2,550	2,250
Kentucky <sup>1</sup> .....	13	(NA)	(NA)	11	(NA)	(NA)
Louisiana .....	120	70	82	110	65	78
Mississippi .....	85	13	12	82	11	10
Missouri .....	90	50	40	80	43	33
Nebraska .....	300	235	155	210	140	75
New Mexico .....	130	85	90	80	50	68
North Carolina <sup>1</sup> .....	16	(NA)	(NA)	13	(NA)	(NA)
Oklahoma .....	350	250	280	310	220	250
Pennsylvania <sup>1</sup> .....	11	(NA)	(NA)	3	(NA)	(NA)
South Carolina <sup>1</sup> .....	12	(NA)	(NA)	8	(NA)	(NA)
South Dakota .....	170	180	140	115	120	85
Tennessee <sup>1</sup> .....	26	(NA)	(NA)	22	(NA)	(NA)
Texas .....	3,450	2,700	1,900	3,050	2,050	1,700
United States .....	8,284	6,633	5,404	7,271	5,520	4,808
State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Alabama <sup>1</sup> .....	53.0	(NA)	(NA)	318	(NA)	(NA)
Arizona .....	90.0	85.0	120.0	2,430	680	720
Arkansas .....	88.0	79.0	77.0	10,120	2,923	2,695
California <sup>1</sup> .....	95.0	(NA)	(NA)	855	(NA)	(NA)
Colorado .....	30.0	45.0	47.0	4,500	6,750	7,520
Georgia .....	45.0	53.0	46.0	1,980	2,120	1,150
Illinois .....	103.0	82.0	96.0	7,828	2,952	3,168
Kansas .....	78.0	88.0	76.0	214,500	224,400	171,000
Kentucky <sup>1</sup> .....	90.0	(NA)	(NA)	990	(NA)	(NA)
Louisiana .....	87.0	82.0	95.0	9,570	5,330	7,410
Mississippi .....	71.0	70.0	65.0	5,822	770	650
Missouri .....	97.0	86.0	78.0	7,760	3,698	2,574
Nebraska .....	91.0	93.0	90.0	19,110	13,020	6,750
New Mexico .....	43.0	46.0	66.0	3,440	2,300	4,488
North Carolina <sup>1</sup> .....	56.0	(NA)	(NA)	728	(NA)	(NA)
Oklahoma .....	45.0	56.0	52.0	13,950	12,320	13,000
Pennsylvania <sup>1</sup> .....	37.0	(NA)	(NA)	111	(NA)	(NA)
South Carolina <sup>1</sup> .....	46.0	(NA)	(NA)	368	(NA)	(NA)
South Dakota .....	64.0	61.0	62.0	7,360	7,320	5,270
Tennessee <sup>1</sup> .....	91.0	(NA)	(NA)	2,002	(NA)	(NA)
Texas .....	52.0	48.0	70.0	158,600	98,400	119,000
United States .....	65.0	69.4	71.8	472,342	382,983	345,395

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2009.

## Sorghum for Silage Area Harvested, Yield, and Production – States and United States: 2008-2010

State	Area harvested			Yield per acre			Production		
	2008	2009	2010	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
Alabama <sup>1</sup> .....	3	(NA)	(NA)	8.0	(NA)	(NA)	24	(NA)	(NA)
Arizona .....	30	27	18	19.0	20.0	22.0	570	540	396
Arkansas .....	2	1	1	10.0	11.0	15.0	20	11	15
California <sup>1</sup> .....	38	(NA)	(NA)	17.0	(NA)	(NA)	646	(NA)	(NA)
Colorado .....	12	7	20	13.0	14.0	13.0	156	98	260
Georgia .....	12	12	18	14.0	11.0	10.0	168	132	180
Illinois .....	3	1	1	15.0	11.0	10.0	45	11	10
Kansas .....	70	40	60	13.0	11.0	9.0	910	440	540
Kentucky <sup>1</sup> .....	1	(NA)	(NA)	6.0	(NA)	(NA)	6	(NA)	(NA)
Louisiana .....	1	1	1	10.0	11.0	11.0	10	11	11
Mississippi .....	1	1	1	13.0	12.0	12.0	13	12	12
Missouri .....	4	4	5	9.0	9.0	13.0	36	36	65
Nebraska .....	15	15	15	8.0	13.0	12.0	120	195	180
New Mexico .....	25	18	16	16.0	16.0	17.0	400	288	272
North Carolina <sup>1</sup> .....	2	(NA)	(NA)	11.0	(NA)	(NA)	22	(NA)	(NA)
Oklahoma .....	16	12	12	10.0	13.0	7.0	160	156	84
Pennsylvania <sup>1</sup> .....	8	(NA)	(NA)	6.5	(NA)	(NA)	52	(NA)	(NA)
South Carolina <sup>1</sup> .....	4	(NA)	(NA)	6.0	(NA)	(NA)	24	(NA)	(NA)
South Dakota .....	30	15	25	10.0	10.0	11.0	300	150	275
Tennessee <sup>1</sup> .....	1	(NA)	(NA)	14.0	(NA)	(NA)	14	(NA)	(NA)
Texas .....	130	100	80	15.0	16.0	14.0	1,950	1,600	1,120
United States .....	408	254	273	13.8	14.5	12.5	5,646	3,680	3,420

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2009.

**Oat Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted <sup>1</sup>			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	50	50	35	15	11	10
Arkansas <sup>2</sup> .....	(NA)	10	10	(NA)	8	7
California .....	260	250	220	25	30	25
Colorado .....	45	60	55	7	9	9
Georgia .....	65	60	50	25	20	15
Idaho .....	70	80	70	20	25	20
Illinois .....	45	40	45	30	25	30
Indiana .....	15	15	20	5	7	8
Iowa .....	150	200	180	75	95	70
Kansas .....	60	85	65	25	35	25
Maine .....	32	32	31	31	31	30
Michigan .....	75	70	75	60	55	60
Minnesota .....	250	250	260	175	170	165
Missouri .....	15	15	20	6	9	8
Montana .....	60	70	65	30	32	27
Nebraska .....	95	100	90	35	30	25
New York .....	80	90	80	64	60	58
North Carolina .....	60	50	40	30	15	15
North Dakota .....	320	350	280	130	165	105
Ohio .....	75	65	65	50	45	50
Oklahoma .....	50	50	45	10	15	9
Oregon .....	45	45	45	18	22	22
Pennsylvania .....	105	110	110	80	80	80
South Carolina .....	33	30	26	19	15	13
South Dakota .....	220	200	190	120	90	105
Texas .....	600	600	550	100	60	80
Utah .....	40	45	40	4	5	4
Virginia .....	12	12	12	4	4	4
Washington .....	20	20	20	5	6	5
Wisconsin .....	270	310	310	190	195	170
Wyoming .....	30	40	34	12	10	9
United States .....	3,247	3,404	3,138	1,400	1,379	1,263

See footnote(s) at end of table.

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**Oat Area Planted and Harvested, Yield, and Production – States and United States:  
2008-2010 (continued)**

State	Yield per acre			Production		
	2008 (bushels)	2009 (bushels)	2010 (bushels)	2008 (1,000 bushels)	2009 (1,000 bushels)	2010 (1,000 bushels)
Alabama .....	50.0	50.0	45.0	750	550	450
Arkansas <sup>2</sup> .....	(NA)	80.0	80.0	(NA)	640	560
California .....	80.0	105.0	95.0	2,000	3,150	2,375
Colorado .....	70.0	65.0	65.0	490	585	585
Georgia .....	69.0	56.0	54.0	1,725	1,120	810
Idaho .....	69.0	78.0	84.0	1,380	1,950	1,680
Illinois .....	70.0	65.0	65.0	2,100	1,625	1,950
Indiana .....	75.0	69.0	66.0	375	483	528
Iowa .....	65.0	65.0	62.0	4,875	6,175	4,340
Kansas .....	53.0	53.0	50.0	1,325	1,855	1,250
Maine .....	65.0	65.0	65.0	2,015	2,015	1,950
Michigan .....	66.0	63.0	68.0	3,960	3,465	4,080
Minnesota .....	68.0	71.0	69.0	11,900	12,070	11,385
Missouri .....	55.0	55.0	45.0	330	495	360
Montana .....	51.0	56.0	61.0	1,530	1,792	1,647
Nebraska .....	70.0	69.0	68.0	2,450	2,070	1,700
New York .....	66.0	77.0	67.0	4,224	4,620	3,886
North Carolina .....	80.0	70.0	60.0	2,400	1,050	900
North Dakota .....	51.0	68.0	61.0	6,630	11,220	6,405
Ohio .....	70.0	75.0	70.0	3,500	3,375	3,500
Oklahoma .....	40.0	34.0	33.0	400	510	297
Oregon .....	100.0	100.0	100.0	1,800	2,200	2,200
Pennsylvania .....	58.0	61.0	59.0	4,640	4,880	4,720
South Carolina .....	64.0	55.0	47.0	1,216	825	611
South Dakota .....	73.0	73.0	72.0	8,760	6,570	7,560
Texas .....	50.0	47.0	52.0	5,000	2,820	4,160
Utah .....	75.0	81.0	74.0	300	405	296
Virginia .....	70.0	54.0	44.0	280	216	176
Washington .....	80.0	80.0	84.0	400	480	420
Wisconsin .....	62.0	68.0	58.0	11,780	13,260	9,860
Wyoming .....	50.0	61.0	61.0	600	610	549
United States .....	63.7	67.5	64.3	89,135	93,081	81,190

(NA) Not available.

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

<sup>2</sup> Estimates began in 2009.

**Barley Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted <sup>1</sup>			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona .....	42	48	45	40	45	44
California .....	95	90	110	60	55	75
Colorado .....	80	78	64	72	77	63
Delaware .....	25	28	20	22	26	18
Idaho .....	600	530	490	580	510	470
Kansas .....	17	14	10	10	9	7
Kentucky <sup>2</sup> .....	8	(NA)	(NA)	7	(NA)	(NA)
Maine .....	20	16	16	19	15	15
Maryland .....	45	55	45	35	48	34
Michigan .....	12	13	11	10	11	10
Minnesota .....	125	95	85	110	80	70
Montana .....	860	870	760	740	720	620
Nevada <sup>2</sup> .....	3	(NA)	(NA)	1	(NA)	(NA)
New Jersey <sup>2</sup> .....	3	(NA)	(NA)	2	(NA)	(NA)
New York .....	13	12	12	9	10	10
North Carolina .....	21	23	20	14	19	15
North Dakota .....	1,650	1,210	720	1,540	1,130	670
Ohio <sup>2</sup> .....	6	(NA)	(NA)	5	(NA)	(NA)
Oregon .....	57	40	45	42	32	40
Pennsylvania .....	60	60	60	55	45	45
South Dakota .....	63	48	35	43	22	11
Utah .....	40	40	39	27	30	27
Virginia .....	63	67	75	36	43	48
Washington .....	205	105	90	195	97	81
Wisconsin .....	43	45	45	30	25	30
Wyoming .....	90	80	75	75	64	62
United States .....	4,246	3,567	2,872	3,779	3,113	2,465

See footnote(s) at end of table.

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**Barley Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**  
(continued)

State	Yield per acre			Production		
	2008 (bushels)	2009 (bushels)	2010 (bushels)	2008 (1,000 bushels)	2009 (1,000 bushels)	2010 (1,000 bushels)
Arizona .....	120.0	115.0	125.0	4,800	5,175	5,500
California .....	55.0	54.0	58.0	3,300	2,970	4,350
Colorado .....	120.0	135.0	133.0	8,640	10,395	8,379
Delaware .....	80.0	70.0	64.0	1,760	1,820	1,152
Idaho .....	86.0	95.0	92.0	49,880	48,450	43,240
Kansas .....	37.0	51.0	43.0	370	459	301
Kentucky <sup>2</sup> .....	88.0			616	(NA)	(NA)
Maine .....	55.0	55.0	60.0	1,045	825	900
Maryland .....	90.0	70.0	68.0	3,150	3,360	2,312
Michigan .....	46.0	51.0	54.0	460	561	540
Minnesota .....	65.0	61.0	62.0	7,150	4,880	4,340
Montana .....	51.0	57.0	62.0	37,740	41,040	38,440
Nevada <sup>2</sup> .....	100.0			100	(NA)	(NA)
New Jersey <sup>2</sup> .....	71.0			142	(NA)	(NA)
New York .....	52.0	53.0	55.0	468	530	550
North Carolina .....	71.0	60.0	63.0	994	1,140	945
North Dakota .....	56.0	70.0	65.0	86,240	79,100	43,550
Ohio <sup>2</sup> .....	72.0			360	(NA)	(NA)
Oregon .....	50.0	60.0	74.0	2,100	1,920	2,960
Pennsylvania .....	75.0	75.0	75.0	4,125	3,375	3,375
South Dakota .....	41.0	54.0	40.0	1,763	1,188	440
Utah .....	85.0	85.0	90.0	2,295	2,550	2,430
Virginia .....	85.0	74.0	67.0	3,060	3,182	3,216
Washington .....	57.0	64.0	72.0	11,115	6,208	5,832
Wisconsin .....	54.0	59.0	48.0	1,620	1,475	1,440
Wyoming .....	92.0	105.0	98.0	6,900	6,720	6,076
United States .....	63.6	73.0	73.1	240,193	227,323	180,268

(NA) Not available.

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

<sup>2</sup> Estimates discontinued in 2009.

## All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010

State	Area planted <sup>1</sup>			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	240	220	150	200	180	115
Arizona .....	159	132	89	155	129	85
Arkansas .....	1,070	430	200	980	390	150
California .....	840	795	775	545	500	465
Colorado .....	2,190	2,630	2,478	1,936	2,479	2,377
Delaware .....	80	70	50	79	67	45
Florida .....	25	17	12	23	14	7
Georgia .....	480	340	170	400	250	125
Idaho .....	1,400	1,310	1,400	1,330	1,250	1,345
Illinois .....	1,200	850	330	1,150	820	295
Indiana .....	580	470	250	560	450	230
Iowa .....	40	28	15	35	22	10
Kansas .....	9,600	9,300	8,400	8,900	8,800	8,000
Kentucky .....	580	510	390	460	390	250
Louisiana .....	400	185	125	385	175	110
Maryland .....	255	230	180	180	195	135
Michigan .....	730	630	530	710	570	510
Minnesota .....	1,925	1,655	1,665	1,870	1,595	1,610
Mississippi .....	520	180	125	485	165	100
Missouri .....	1,250	780	370	1,160	730	280
Montana .....	5,740	5,520	5,440	5,470	5,305	5,210
Nebraska .....	1,750	1,700	1,600	1,670	1,600	1,490
Nevada .....	21	20	23	11	13	12
New Jersey .....	35	34	28	33	29	23
New Mexico .....	430	450	470	140	140	290
New York .....	130	115	110	122	105	100
North Carolina .....	820	700	500	720	600	380
North Dakota .....	9,230	8,680	8,530	8,640	8,415	8,400
Ohio .....	1,120	1,010	780	1,090	980	750
Oklahoma .....	5,600	5,700	5,300	4,500	3,500	3,900
Oregon .....	960	890	960	945	877	947
Pennsylvania .....	195	190	165	185	175	150
South Carolina .....	220	165	145	205	150	130
South Dakota .....	3,661	3,209	2,815	3,420	3,009	2,725
Tennessee .....	620	430	260	520	340	180
Texas .....	5,800	6,400	5,700	3,300	2,450	3,750
Utah .....	150	154	151	139	147	131
Virginia .....	310	250	180	280	210	160
Washington .....	2,290	2,290	2,330	2,255	2,225	2,285
West Virginia .....	11	9	7	8	5	5
Wisconsin .....	373	335	240	357	315	230
Wyoming .....	163	155	165	146	132	145
United States .....	63,193	59,168	53,603	55,699	49,893	47,637

See footnote(s) at end of table.

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**All Wheat Area Planted and Harvested, Yield, and Production – States and United States:  
2008-2010 (continued)**

State	Yield per acre			Production		
	2008 (bushels)	2009 (bushels)	2010 (bushels)	2008 (1,000 bushels)	2009 (1,000 bushels)	2010 (1,000 bushels)
Alabama .....	71.0	55.0	55.0	14,200	9,900	6,325
Arizona .....	97.9	99.4	112.2	15,172	12,825	9,535
Arkansas .....	57.0	44.0	54.0	55,860	17,160	8,100
California .....	90.3	86.8	86.8	49,225	43,400	40,350
Colorado .....	30.8	40.6	45.5	59,700	100,610	108,234
Delaware .....	77.0	62.0	58.0	6,083	4,154	2,610
Florida .....	55.0	43.0	40.0	1,265	602	280
Georgia .....	56.0	42.0	40.0	22,400	10,500	5,000
Idaho .....	73.8	79.3	79.9	98,170	99,130	107,410
Illinois .....	64.0	56.0	56.0	73,600	45,920	16,520
Indiana .....	69.0	67.0	60.0	38,640	30,150	13,800
Iowa .....	48.0	45.0	46.0	1,680	990	460
Kansas .....	40.0	42.0	45.0	356,000	369,600	360,000
Kentucky .....	71.0	57.0	66.0	32,660	22,230	16,500
Louisiana .....	57.0	56.0	50.0	21,945	9,800	5,500
Maryland .....	73.0	60.0	60.0	13,140	11,700	8,100
Michigan .....	69.0	69.0	70.0	48,990	39,330	35,700
Minnesota .....	55.9	52.8	54.7	104,440	84,175	88,070
Mississippi .....	62.0	50.0	47.0	30,070	8,250	4,700
Missouri .....	48.0	47.0	45.0	55,680	34,310	12,600
Montana .....	30.1	33.3	41.3	164,730	176,625	215,360
Nebraska .....	44.0	48.0	43.0	73,480	76,800	64,070
Nevada .....	100.1	97.8	105.8	1,101	1,272	1,270
New Jersey .....	61.0	51.0	49.0	2,013	1,479	1,127
New Mexico .....	30.0	25.0	28.0	4,200	3,500	8,120
New York .....	63.0	65.0	67.0	7,686	6,825	6,700
North Carolina .....	60.0	49.0	37.0	43,200	29,400	14,060
North Dakota .....	36.0	44.8	43.0	311,200	377,190	361,550
Ohio .....	68.0	72.0	61.0	74,120	70,560	45,750
Oklahoma .....	37.0	22.0	31.0	166,500	77,000	120,900
Oregon .....	55.7	55.7	67.1	52,600	48,858	63,586
Pennsylvania .....	64.0	56.0	59.0	11,840	9,800	8,850
South Carolina .....	54.0	47.0	36.0	11,070	7,050	4,680
South Dakota .....	50.5	42.9	45.3	172,540	129,147	123,475
Tennessee .....	63.0	51.0	53.0	32,760	17,340	9,540
Texas .....	30.0	25.0	34.0	99,000	61,250	127,500
Utah .....	41.4	49.5	48.7	5,756	7,278	6,379
Virginia .....	71.0	58.0	51.0	19,880	12,180	8,160
Washington .....	52.7	55.3	64.7	118,790	123,085	147,890
West Virginia .....	60.0	50.0	54.0	480	250	270
Wisconsin .....	64.5	68.0	64.0	23,012	21,420	14,720
Wyoming .....	29.4	38.0	32.0	4,286	5,016	4,640
United States .....	44.9	44.5	46.4	2,499,164	2,218,061	2,208,391

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

**Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted <sup>1</sup>			Area harvested		
	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)
Alabama .....	240	220	150	200	180	115
Arizona .....	9	7	9	6	5	6
Arkansas .....	1,070	430	200	980	390	150
California .....	680	615	660	400	330	360
Colorado .....	2,150	2,600	2,450	1,900	2,450	2,350
Delaware .....	80	70	50	79	67	45
Florida .....	25	17	12	23	14	7
Georgia .....	480	340	170	400	250	125
Idaho .....	850	740	750	800	700	710
Illinois .....	1,200	850	330	1,150	820	295
Indiana .....	580	470	250	560	450	230
Iowa .....	40	28	15	35	22	10
Kansas .....	9,600	9,300	8,400	8,900	8,800	8,000
Kentucky .....	580	510	390	460	390	250
Louisiana .....	400	185	125	385	175	110
Maryland .....	255	230	180	180	195	135
Michigan .....	730	630	530	710	570	510
Minnesota .....	75	55	65	70	45	60
Mississippi .....	520	180	125	485	165	100
Missouri .....	1,250	780	370	1,160	730	280
Montana .....	2,600	2,550	2,050	2,420	2,420	1,950
Nebraska .....	1,750	1,700	1,600	1,670	1,600	1,490
Nevada .....	12	16	19	7	11	10
New Jersey .....	35	34	28	33	29	23
New Mexico .....	430	450	470	140	140	290
New York .....	130	115	110	122	105	100
North Carolina .....	820	700	500	720	600	380
North Dakota .....	630	580	330	550	545	320
Ohio .....	1,120	1,010	780	1,090	980	750
Oklahoma .....	5,600	5,700	5,300	4,500	3,500	3,900
Oregon .....	780	760	820	775	750	810
Pennsylvania .....	195	190	165	185	175	150
South Carolina .....	220	165	145	205	150	130
South Dakota .....	2,050	1,700	1,350	1,890	1,530	1,300
Tennessee .....	620	430	260	520	340	180
Texas .....	5,800	6,400	5,700	3,300	2,450	3,750
Utah .....	130	140	135	120	135	118
Virginia .....	310	250	180	280	210	160
Washington .....	1,750	1,700	1,750	1,720	1,640	1,710
West Virginia .....	11	9	7	8	5	5
Wisconsin .....	350	335	240	335	315	230
Wyoming .....	150	155	165	135	132	145
United States .....	46,307	43,346	37,335	39,608	34,510	31,749

See footnote(s) at end of table.

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**Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States:  
2008-2010 (continued)**

State	Yield per acre			Production		
	2008 (bushels)	2009 (bushels)	2010 (bushels)	2008 (1,000 bushels)	2009 (1,000 bushels)	2010 (1,000 bushels)
Alabama .....	71.0	55.0	55.0	14,200	9,900	6,325
Arizona .....	95.0	85.0	75.0	570	425	450
Arkansas .....	57.0	44.0	54.0	55,860	17,160	8,100
California .....	85.0	80.0	80.0	34,000	26,400	28,800
Colorado .....	30.0	40.0	45.0	57,000	98,000	105,750
Delaware .....	77.0	62.0	58.0	6,083	4,154	2,610
Florida .....	55.0	43.0	40.0	1,265	602	280
Georgia .....	56.0	42.0	40.0	22,400	10,500	5,000
Idaho .....	75.0	81.0	82.0	60,000	56,700	58,220
Illinois .....	64.0	56.0	56.0	73,600	45,920	16,520
Indiana .....	69.0	67.0	60.0	38,640	30,150	13,800
Iowa .....	48.0	45.0	46.0	1,680	990	460
Kansas .....	40.0	42.0	45.0	356,000	369,600	360,000
Kentucky .....	71.0	57.0	66.0	32,660	22,230	16,500
Louisiana .....	57.0	56.0	50.0	21,945	9,800	5,500
Maryland .....	73.0	60.0	60.0	13,140	11,700	8,100
Michigan .....	69.0	69.0	70.0	48,990	39,330	35,700
Minnesota .....	52.0	45.0	47.0	3,640	2,025	2,820
Mississippi .....	62.0	50.0	47.0	30,070	8,250	4,700
Missouri .....	48.0	47.0	45.0	55,680	34,310	12,600
Montana .....	39.0	37.0	48.0	94,380	89,540	93,600
Nebraska .....	44.0	48.0	43.0	73,480	76,800	64,070
Nevada .....	103.0	102.0	109.0	721	1,122	1,090
New Jersey .....	61.0	51.0	49.0	2,013	1,479	1,127
New Mexico .....	30.0	25.0	28.0	4,200	3,500	8,120
New York .....	63.0	65.0	67.0	7,686	6,825	6,700
North Carolina .....	60.0	49.0	37.0	43,200	29,400	14,060
North Dakota .....	41.0	48.0	55.0	22,550	26,160	17,600
Ohio .....	68.0	72.0	61.0	74,120	70,560	45,750
Oklahoma .....	37.0	22.0	31.0	166,500	77,000	120,900
Oregon .....	58.0	56.0	67.0	44,950	42,000	54,270
Pennsylvania .....	64.0	56.0	59.0	11,840	9,800	8,850
South Carolina .....	54.0	47.0	36.0	11,070	7,050	4,680
South Dakota .....	55.0	42.0	49.0	103,950	64,260	63,700
Tennessee .....	63.0	51.0	53.0	32,760	17,340	9,540
Texas .....	30.0	25.0	34.0	99,000	61,250	127,500
Utah .....	41.0	50.0	48.0	4,920	6,750	5,664
Virginia .....	71.0	58.0	51.0	19,880	12,180	8,160
Washington .....	56.0	59.0	69.0	96,320	96,760	117,990
West Virginia .....	60.0	50.0	54.0	480	250	270
Wisconsin .....	66.0	68.0	64.0	22,110	21,420	14,720
Wyoming .....	28.0	38.0	32.0	3,780	5,016	4,640
United States .....	47.1	44.2	46.8	1,867,333	1,524,608	1,485,236

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

**Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado .....	40	30	28	36	29	27
Idaho .....	540	550	630	520	530	615
Minnesota .....	1,850	1,600	1,600	1,800	1,550	1,550
Montana .....	2,550	2,400	2,850	2,480	2,350	2,730
Nevada .....	9	4	4	4	2	2
North Dakota .....	6,800	6,450	6,400	6,400	6,300	6,300
Oregon .....	180	130	140	170	127	137
South Dakota .....	1,600	1,500	1,450	1,520	1,470	1,410
Utah .....	20	14	16	19	12	13
Washington .....	540	590	580	535	585	575
Wisconsin <sup>1</sup> .....	23	(NA)	(NA)	22	(NA)	(NA)
Wyoming <sup>1</sup> .....	13	(NA)	(NA)	11	(NA)	(NA)
United States .....	14,165	13,268	13,698	13,517	12,955	13,359

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado .....	75.0	90.0	92.0	2,700	2,610	2,484
Idaho .....	72.0	77.0	78.0	37,440	40,810	47,970
Minnesota .....	56.0	53.0	55.0	100,800	82,150	85,250
Montana .....	24.0	30.0	38.0	59,520	70,500	103,740
Nevada .....	95.0	75.0	90.0	380	150	180
North Dakota .....	38.5	46.0	44.0	246,400	289,800	277,200
Oregon .....	45.0	54.0	68.0	7,650	6,858	9,316
South Dakota .....	45.0	44.0	42.0	68,400	64,680	59,220
Utah .....	44.0	44.0	55.0	836	528	715
Washington .....	42.0	45.0	52.0	22,470	26,325	29,900
Wisconsin <sup>1</sup> .....	41.0	(NA)	(NA)	902	(NA)	(NA)
Wyoming <sup>1</sup> .....	46.0	(NA)	(NA)	506	(NA)	(NA)
United States .....	40.5	45.1	46.1	548,004	584,411	615,975

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2009.

## Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona .....	150	125	80	149	124	79
California .....	160	180	115	145	170	105
Idaho .....	10	20	20	10	20	20
Montana .....	590	570	540	570	535	530
North Dakota .....	1,800	1,650	1,800	1,690	1,570	1,780
South Dakota .....	11	9	15	10	9	15
United States .....	2,721	2,554	2,570	2,574	2,428	2,529

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona .....	98.0	100.0	115.0	14,602	12,400	9,085
California .....	105.0	100.0	110.0	15,225	17,000	11,550
Idaho .....	73.0	81.0	61.0	730	1,620	1,220
Montana .....	19.0	31.0	34.0	10,830	16,585	18,020
North Dakota .....	25.0	39.0	37.5	42,250	61,230	66,750
South Dakota .....	19.0	23.0	37.0	190	207	555
United States .....	32.6	44.9	42.4	83,827	109,042	107,180

## Wheat Production by Class – United States: 2008-2010

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

Crop	2008	2009	2010
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Winter</b>			
Hard red .....	1,034,694	919,939	1,018,337
Soft red .....	613,578	403,984	237,804
Hard white .....	22,702	18,248	13,496
Soft white .....	196,360	182,437	215,599
<b>Spring</b>			
Hard red .....	512,138	547,933	569,975
Hard white .....	6,340	7,865	9,256
Soft white .....	29,525	28,613	36,744
Durum .....	83,827	109,042	107,180
<b>Total</b> .....	2,499,164	2,218,061	2,208,391

**Rice Area Planted and Harvested, Yield, and Production by Class – States and United States: 2008-2010**

Class and State	Area planted			Area harvested		
	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)
<b>Long grain</b>						
Arkansas .....	1,300	1,260	1,595	1,295	1,245	1,590
California .....	9	5	6	9	5	6
Louisiana .....	455	415	500	450	410	495
Mississippi .....	230	245	305	229	243	303
Missouri .....	198	199	250	197	197	248
Texas .....	173	166	185	170	165	184
United States .....	2,365	2,290	2,841	2,350	2,265	2,826
<b>Medium grain</b>						
Arkansas .....	100	225	195	99	224	194
California .....	460	505	510	458	500	505
Louisiana .....	15	55	40	14	54	40
Missouri .....	2	3	3	2	3	3
Texas .....	2	5	4	2	5	4
United States .....	579	793	752	575	786	746
<b>Short grain <sup>1</sup></b>						
Arkansas .....	1	1	1	1	1	1
California .....	50	51	42	50	51	42
United States .....	51	52	43	51	52	43
<b>All rice</b>						
Arkansas .....	1,401	1,486	1,791	1,395	1,470	1,785
California .....	519	561	558	517	556	553
Louisiana .....	470	470	540	464	464	535
Mississippi .....	230	245	305	229	243	303
Missouri .....	200	202	253	199	200	251
Texas .....	175	171	189	172	170	188
United States .....	2,995	3,135	3,636	2,976	3,103	3,615

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:  
2008-2010 (continued)**

Class and State	Yield per acre			Production		
	2008 (pounds)	2009 (pounds)	2010 (pounds)	2008 (1,000 cwt)	2009 (1,000 cwt)	2010 (1,000 cwt)
<b>Long grain</b>						
Arkansas .....	6,640	6,760	6,460	85,988	84,162	102,714
California .....	6,900	6,600	5,200	621	330	312
Louisiana .....	5,820	6,320	6,110	26,190	25,912	30,245
Mississippi .....	6,850	6,700	6,850	15,687	16,281	20,756
Missouri .....	6,620	6,710	6,460	13,041	13,219	16,021
Texas .....	6,900	7,770	7,200	11,730	12,821	13,248
United States .....	6,522	6,743	6,486	153,257	152,725	183,296
<b>Medium grain</b>						
Arkansas .....	6,960	7,010	6,650	6,890	15,702	12,901
California .....	8,550	8,740	8,200	39,159	43,700	41,410
Louisiana .....	6,050	6,120	5,950	847	3,305	2,380
Missouri .....	6,600	6,800	7,760	132	204	233
Texas .....	6,900	7,600	5,500	138	380	220
United States .....	8,203	8,052	7,660	47,166	63,291	57,144
<b>Short grain <sup>1</sup></b>						
Arkansas .....	6,000	6,000	6,000	60	60	60
California .....	6,500	7,400	6,200	3,250	3,774	2,604
United States .....	6,490	7,373	6,195	3,310	3,834	2,664
<b>All</b>						
Arkansas .....	6,660	6,800	6,480	92,938	99,924	115,675
California .....	8,320	8,600	8,020	43,030	47,804	44,326
Louisiana .....	5,830	6,300	6,100	27,037	29,217	32,625
Mississippi .....	6,850	6,700	6,850	15,687	16,281	20,756
Missouri .....	6,620	6,710	6,480	13,173	13,423	16,254
Texas .....	6,900	7,770	7,160	11,868	13,201	13,468
United States .....	6,846	7,085	6,725	203,733	219,850	243,104

<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: 2008-2010**

State	Area planted <sup>1</sup>			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Georgia .....	200	200	190	40	25	40
Oklahoma .....	280	270	250	55	40	60
Other States <sup>2</sup> .....	780	771	771	174	187	165
United States .....	1,260	1,241	1,211	269	252	265
State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Georgia .....	30.0	21.0	24.0	1,200	525	960
Oklahoma .....	19.0	14.0	25.0	1,045	560	1,500
Other States <sup>2</sup> .....	33.0	31.6	30.1	5,734	5,908	4,971
United States .....	29.7	27.8	28.0	7,979	6,993	7,431

<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: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado .....	270	170	220	230	150	215
Nebraska .....	140	95	90	130	50	88
South Dakota .....	110	85	80	100	65	60
United States .....	520	350	390	460	265	363

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado .....	33.0	35.0	33.0	7,590	5,250	7,095
Nebraska .....	33.0	27.0	30.0	4,290	1,350	2,640
South Dakota .....	30.0	35.0	30.0	3,000	2,275	1,800
United States .....	32.3	33.5	31.8	14,880	8,875	11,535

## All Hay Area Harvested, Yield, and Production – States and United States: 2008-2010

State	Area harvested			Yield per acre		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama .....	900	800	780	2.20	2.40	2.40
Arizona .....	295	310	320	8.08	8.16	7.74
Arkansas .....	1,405	1,415	1,480	2.21	2.21	1.81
California .....	1,610	1,540	1,470	5.85	5.77	5.60
Colorado .....	1,570	1,600	1,600	2.54	2.99	2.53
Connecticut .....	55	62	59	2.18	2.10	1.73
Delaware .....	18	17	15	2.56	3.00	3.07
Florida .....	300	300	320	3.00	2.70	2.40
Georgia .....	720	700	650	2.20	2.30	2.50
Idaho .....	1,410	1,510	1,470	3.96	3.66	3.71
Illinois .....	620	610	600	3.03	3.28	3.19
Indiana .....	590	620	670	3.16	2.77	2.83
Iowa .....	1,550	1,220	1,200	3.44	3.28	3.13
Kansas .....	2,750	2,550	2,550	2.46	2.83	2.24
Kentucky .....	2,640	2,520	2,530	1.95	2.50	2.25
Louisiana .....	430	380	450	2.50	2.80	2.80
Maine .....	138	149	137	1.57	1.70	1.61
Maryland .....	205	210	215	3.05	2.72	2.27
Massachusetts .....	73	81	77	2.11	1.81	1.77
Michigan .....	1,020	990	1,000	2.58	2.51	2.73
Minnesota .....	1,950	2,050	1,900	2.70	2.56	2.84
Mississippi .....	720	700	700	2.70	2.80	2.30
Missouri .....	4,200	3,880	3,840	2.10	2.07	1.96
Montana .....	2,400	2,500	2,850	1.70	1.91	2.14
Nebraska .....	2,570	2,700	2,690	2.42	2.31	2.36
Nevada .....	455	490	470	3.58	3.54	3.29
New Hampshire .....	53	57	56	1.98	1.56	1.59
New Jersey .....	115	110	105	2.08	2.11	1.93
New Mexico .....	340	320	310	4.46	4.33	4.30
New York .....	1,320	1,360	1,380	2.04	1.82	1.75
North Carolina .....	808	847	865	2.01	2.31	2.11
North Dakota .....	3,220	2,960	2,550	1.28	1.77	2.09
Ohio .....	1,140	1,040	1,110	2.46	2.77	2.59
Oklahoma .....	2,910	3,220	3,210	1.90	1.64	1.85
Oregon .....	1,025	1,030	1,045	2.88	3.15	2.97
Pennsylvania .....	1,750	1,550	1,500	2.18	2.36	2.27
Rhode Island .....	7	7	8	2.00	2.00	2.00
South Carolina .....	330	350	360	1.90	2.40	2.00
South Dakota .....	3,850	3,800	3,600	2.04	2.06	2.04
Tennessee .....	1,870	1,915	1,965	2.11	2.21	2.11
Texas .....	4,430	4,620	5,220	2.08	1.79	2.07
Utah .....	695	690	700	3.78	3.71	3.59
Vermont .....	180	190	195	1.70	1.69	1.66
Virginia .....	1,270	1,180	1,330	2.16	2.26	1.64
Washington .....	710	810	840	3.68	4.07	4.07
West Virginia .....	605	625	620	1.85	1.85	1.54
Wisconsin .....	1,900	1,920	1,660	2.53	2.31	2.73
Wyoming .....	1,030	1,270	1,190	2.17	2.00	2.07
United States .....	60,152	59,775	59,862	2.43	2.47	2.43

**All Hay Area Harvested, Yield, and Production – States and United States: 2008-2010 (continued)**

State	Production		
	2008 (1,000 tons)	2009 (1,000 tons)	2010 (1,000 tons)
Alabama .....	1,980	1,920	1,872
Arizona .....	2,383	2,530	2,476
Arkansas .....	3,111	3,131	2,681
California .....	9,414	8,890	8,236
Colorado .....	3,981	4,778	4,040
Connecticut .....	120	130	102
Delaware .....	46	51	46
Florida .....	900	810	768
Georgia .....	1,584	1,610	1,625
Idaho .....	5,588	5,528	5,460
Illinois .....	1,878	2,001	1,916
Indiana .....	1,867	1,720	1,894
Iowa .....	5,330	4,002	3,760
Kansas .....	6,765	7,225	5,700
Kentucky .....	5,160	6,290	5,704
Louisiana .....	1,075	1,064	1,260
Maine .....	217	253	221
Maryland .....	626	571	488
Massachusetts .....	154	147	136
Michigan .....	2,633	2,482	2,730
Minnesota .....	5,265	5,250	5,400
Mississippi .....	1,944	1,960	1,610
Missouri .....	8,820	8,040	7,512
Montana .....	4,080	4,770	6,105
Nebraska .....	6,232	6,235	6,349
Nevada .....	1,629	1,736	1,546
New Hampshire .....	105	89	89
New Jersey .....	239	232	203
New Mexico .....	1,516	1,384	1,333
New York .....	2,691	2,472	2,418
North Carolina .....	1,622	1,957	1,822
North Dakota .....	4,118	5,240	5,321
Ohio .....	2,802	2,876	2,871
Oklahoma .....	5,536	5,278	5,953
Oregon .....	2,951	3,249	3,108
Pennsylvania .....	3,810	3,655	3,400
Rhode Island .....	14	14	16
South Carolina .....	627	840	720
South Dakota .....	7,840	7,830	7,335
Tennessee .....	3,945	4,236	4,146
Texas .....	9,211	8,250	10,800
Utah .....	2,629	2,562	2,512
Vermont .....	306	322	323
Virginia .....	2,748	2,668	2,184
Washington .....	2,614	3,297	3,420
West Virginia .....	1,117	1,158	952
Wisconsin .....	4,810	4,430	4,526
Wyoming .....	2,237	2,537	2,467
United States .....	146,270	147,700	145,556

**Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area harvested			Yield per acre		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Arizona .....	260	280	280	8.60	8.50	8.20
Arkansas .....	15	15	10	3.50	3.40	3.50
California .....	1,030	1,000	920	7.00	7.00	6.80
Colorado .....	820	850	820	3.30	3.90	3.50
Connecticut .....	9	7	6	2.50	2.00	2.00
Delaware .....	6	5	5	3.30	3.90	3.40
Idaho .....	1,130	1,140	1,130	4.40	4.20	4.20
Illinois .....	350	340	340	3.90	3.90	3.80
Indiana .....	300	300	300	4.00	3.60	3.60
Iowa .....	1,150	920	880	3.80	3.60	3.40
Kansas .....	700	850	650	4.10	4.30	3.80
Kentucky .....	240	220	230	2.50	3.50	2.80
Maine .....	8	9	7	2.70	1.70	1.80
Maryland .....	45	40	40	4.30	4.50	3.00
Massachusetts .....	8	6	7	2.10	2.00	2.40
Michigan .....	770	700	700	2.90	2.80	3.00
Minnesota .....	1,350	1,300	1,100	3.10	3.00	3.60
Missouri .....	350	280	240	3.20	3.00	2.80
Montana .....	1,600	1,700	1,950	1.90	2.10	2.30
Nebraska .....	970	950	890	3.95	3.80	4.10
Nevada .....	270	280	280	4.80	4.70	4.30
New Hampshire .....	5	7	5	2.80	2.00	1.40
New Jersey .....	20	25	20	2.90	2.80	2.90
New Mexico .....	250	240	220	5.20	5.10	5.20
New York .....	350	350	420	2.70	2.30	2.10
North Carolina .....	8	7	5	2.70	3.60	3.20
North Dakota .....	1,660	1,780	1,560	1.40	1.85	2.30
Ohio .....	420	380	390	2.90	3.40	3.30
Oklahoma .....	310	320	310	3.60	2.90	3.30
Oregon .....	420	400	415	4.00	4.50	4.30
Pennsylvania .....	550	500	500	3.00	2.90	2.60
Rhode Island .....	1	1	1	2.70	1.70	1.70
South Dakota .....	2,400	2,500	2,150	2.30	2.30	2.40
Tennessee .....	20	15	15	3.00	3.70	3.40
Texas .....	130	120	120	4.70	5.00	5.00
Utah .....	550	530	540	4.20	4.20	4.00
Vermont .....	30	35	30	1.70	2.10	1.40
Virginia .....	90	90	80	3.00	3.00	2.30
Washington .....	410	490	450	4.40	4.90	5.00
West Virginia .....	25	25	20	2.90	3.10	2.60
Wisconsin .....	1,500	1,550	1,300	2.70	2.50	2.90
Wyoming .....	530	690	620	2.90	2.50	2.60
United States .....	21,060	21,247	19,956	3.33	3.35	3.40

**Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2008-2010** (continued)

State	Production		
	2008 (1,000 tons)	2009 (1,000 tons)	2010 (1,000 tons)
Arizona .....	2,236	2,380	2,296
Arkansas .....	53	51	35
California .....	7,210	7,000	6,256
Colorado .....	2,706	3,315	2,870
Connecticut .....	23	14	12
Delaware .....	20	20	17
Idaho .....	4,972	4,788	4,746
Illinois .....	1,365	1,326	1,292
Indiana .....	1,200	1,080	1,080
Iowa .....	4,370	3,312	2,992
Kansas .....	2,870	3,655	2,470
Kentucky .....	600	770	644
Maine .....	22	15	13
Maryland .....	194	180	120
Massachusetts .....	17	12	17
Michigan .....	2,233	1,960	2,100
Minnesota .....	4,185	3,900	3,960
Missouri .....	1,120	840	672
Montana .....	3,040	3,570	4,485
Nebraska .....	3,832	3,610	3,649
Nevada .....	1,296	1,316	1,204
New Hampshire .....	14	14	7
New Jersey .....	58	70	58
New Mexico .....	1,300	1,224	1,144
New York .....	945	805	882
North Carolina .....	22	25	16
North Dakota .....	2,324	3,293	3,588
Ohio .....	1,218	1,292	1,287
Oklahoma .....	1,116	928	1,023
Oregon .....	1,680	1,800	1,785
Pennsylvania .....	1,650	1,450	1,300
Rhode Island .....	3	2	2
South Dakota .....	5,520	5,750	5,160
Tennessee .....	60	56	51
Texas .....	611	600	600
Utah .....	2,310	2,226	2,160
Vermont .....	51	74	42
Virginia .....	270	270	184
Washington .....	1,804	2,401	2,250
West Virginia .....	73	78	52
Wisconsin .....	4,050	3,875	3,770
Wyoming .....	1,537	1,725	1,612
United States .....	70,180	71,072	67,903

## All Other Hay Area Harvested, Yield, and Production – States and United States: 2008-2010

State	Area harvested			Yield per acre		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama .....	900	800	780	2.20	2.40	2.40
Arizona .....	35	30	40	4.20	5.00	4.50
Arkansas .....	1,390	1,400	1,470	2.20	2.20	1.80
California .....	580	540	550	3.80	3.50	3.60
Colorado .....	750	750	780	1.70	1.95	1.50
Connecticut .....	46	55	53	2.10	2.10	1.70
Delaware .....	12	12	10	2.20	2.60	2.90
Florida .....	300	300	320	3.00	2.70	2.40
Georgia .....	720	700	650	2.20	2.30	2.50
Idaho .....	280	370	340	2.20	2.00	2.10
Illinois .....	270	270	260	1.90	2.50	2.40
Indiana .....	290	320	370	2.30	2.00	2.20
Iowa .....	400	300	320	2.40	2.30	2.40
Kansas .....	2,050	1,700	1,900	1.90	2.10	1.70
Kentucky .....	2,400	2,300	2,300	1.90	2.40	2.20
Louisiana .....	430	380	450	2.50	2.80	2.80
Maine .....	130	140	130	1.50	1.70	1.60
Maryland .....	160	170	175	2.70	2.30	2.10
Massachusetts .....	65	75	70	2.10	1.80	1.70
Michigan .....	250	290	300	1.60	1.80	2.10
Minnesota .....	600	750	800	1.80	1.80	1.80
Mississippi .....	720	700	700	2.70	2.80	2.30
Missouri .....	3,850	3,600	3,600	2.00	2.00	1.90
Montana .....	800	800	900	1.30	1.50	1.80
Nebraska .....	1,600	1,750	1,800	1.50	1.50	1.50
Nevada .....	185	210	190	1.80	2.00	1.80
New Hampshire .....	48	50	51	1.90	1.50	1.60
New Jersey .....	95	85	85	1.90	1.90	1.70
New Mexico .....	90	80	90	2.40	2.00	2.10
New York .....	970	1,010	960	1.80	1.65	1.60
North Carolina .....	800	840	860	2.00	2.30	2.10
North Dakota .....	1,560	1,180	990	1.15	1.65	1.75
Ohio .....	720	660	720	2.20	2.40	2.20
Oklahoma .....	2,600	2,900	2,900	1.70	1.50	1.70
Oregon .....	605	630	630	2.10	2.30	2.10
Pennsylvania .....	1,200	1,050	1,000	1.80	2.10	2.10
Rhode Island .....	6	6	7	1.90	2.00	2.00
South Carolina .....	330	350	360	1.90	2.40	2.00
South Dakota .....	1,450	1,300	1,450	1.60	1.60	1.50
Tennessee .....	1,850	1,900	1,950	2.10	2.20	2.10
Texas .....	4,300	4,500	5,100	2.00	1.70	2.00
Utah .....	145	160	160	2.20	2.10	2.20
Vermont .....	150	155	165	1.70	1.60	1.70
Virginia .....	1,180	1,090	1,250	2.10	2.20	1.60
Washington .....	300	320	390	2.70	2.80	3.00
West Virginia .....	580	600	600	1.80	1.80	1.50
Wisconsin .....	400	370	360	1.90	1.50	2.10
Wyoming .....	500	580	570	1.40	1.40	1.50
United States .....	39,092	38,528	39,906	1.95	1.99	1.95



**All Other Hay Area Harvested, Yield, and Production – States and United States: 2008-2010 (continued)**

State	Production		
	2008 (1,000 tons)	2009 (1,000 tons)	2010 (1,000 tons)
Alabama .....	1,980	1,920	1,872
Arizona .....	147	150	180
Arkansas .....	3,058	3,080	2,646
California .....	2,204	1,890	1,980
Colorado .....	1,275	1,463	1,170
Connecticut .....	97	116	90
Delaware .....	26	31	29
Florida .....	900	810	768
Georgia .....	1,584	1,610	1,625
Idaho .....	616	740	714
Illinois .....	513	675	624
Indiana .....	667	640	814
Iowa .....	960	690	768
Kansas .....	3,895	3,570	3,230
Kentucky .....	4,560	5,520	5,060
Louisiana .....	1,075	1,064	1,260
Maine .....	195	238	208
Maryland .....	432	391	368
Massachusetts .....	137	135	119
Michigan .....	400	522	630
Minnesota .....	1,080	1,350	1,440
Mississippi .....	1,944	1,960	1,610
Missouri .....	7,700	7,200	6,840
Montana .....	1,040	1,200	1,620
Nebraska .....	2,400	2,625	2,700
Nevada .....	333	420	342
New Hampshire .....	91	75	82
New Jersey .....	181	162	145
New Mexico .....	216	160	189
New York .....	1,746	1,667	1,536
North Carolina .....	1,600	1,932	1,806
North Dakota .....	1,794	1,947	1,733
Ohio .....	1,584	1,584	1,584
Oklahoma .....	4,420	4,350	4,930
Oregon .....	1,271	1,449	1,323
Pennsylvania .....	2,160	2,205	2,100
Rhode Island .....	11	12	14
South Carolina .....	627	840	720
South Dakota .....	2,320	2,080	2,175
Tennessee .....	3,885	4,180	4,095
Texas .....	8,600	7,650	10,200
Utah .....	319	336	352
Vermont .....	255	248	281
Virginia .....	2,478	2,398	2,000
Washington .....	810	896	1,170
West Virginia .....	1,044	1,080	900
Wisconsin .....	760	555	756
Wyoming .....	700	812	855
United States .....	76,090	76,628	77,653

## 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: 2008-2010

[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		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	1,930	1,820	1,780	6.12	6.20	6.02
Idaho .....	1,475	1,560	1,500	4.18	3.80	3.97
Illinois .....	650	650	620	3.06	3.33	3.31
Iowa .....	1,615	1,265	1,240	3.53	3.34	3.25
Kansas .....	2,810	2,605	2,585	2.47	2.86	2.27
Michigan .....	1,250	1,200	1,260	2.81	2.73	3.11
Minnesota .....	2,150	2,290	2,163	2.77	2.69	3.00
Missouri .....	4,260	3,905	3,855	2.13	2.08	1.97
Nebraska .....	2,585	2,715	2,705	2.47	2.35	2.39
New Mexico .....	376	365	354	4.45	4.26	4.36
New York .....	1,830	1,830	1,950	2.73	2.60	2.44
Ohio .....	1,210	1,140	1,150	2.58	2.98	2.72
Pennsylvania .....	1,915	1,800	1,700	2.62	2.89	2.61
South Dakota .....	3,895	3,870	3,660	2.04	2.07	2.05
Texas .....	4,550	4,740	5,300	2.13	1.81	2.11
Vermont .....	310	315	315	2.95	2.75	2.88
Washington .....	770	878	890	3.81	4.19	4.22
Wisconsin .....	2,900	2,800	2,650	3.34	3.12	3.71
18 State total .....	36,481	35,748	35,677	2.84	2.79	2.81

  

State	Production		
	2008	2009	2010
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	11,808	11,278	10,712
Idaho .....	6,166	5,925	5,961
Illinois .....	1,992	2,163	2,051
Iowa .....	5,705	4,226	4,036
Kansas .....	6,945	7,440	5,877
Michigan .....	3,512	3,273	3,919
Minnesota .....	5,957	6,151	6,498
Missouri .....	9,067	8,107	7,601
Nebraska .....	6,381	6,370	6,454
New Mexico .....	1,672	1,556	1,544
New York .....	4,990	4,757	4,763
Ohio .....	3,123	3,396	3,124
Pennsylvania .....	5,015	5,207	4,444
South Dakota .....	7,953	8,016	7,509
Texas .....	9,677	8,602	11,171
Vermont .....	913	866	906
Washington .....	2,937	3,682	3,758
Wisconsin .....	9,674	8,730	9,844
18 State total .....	103,487	99,745	100,172

## All Alfalfa Forage Area Harvested, Yield, and Production – States and 18 State Total: 2008-2010

[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		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	1,050	1,020	960	7.07	7.12	6.75
Idaho .....	1,190	1,175	1,150	4.65	4.36	4.53
Illinois .....	370	360	360	3.94	3.96	3.94
Iowa .....	1,200	950	910	3.91	3.67	3.55
Kansas .....	740	890	665	4.05	4.26	3.81
Michigan .....	990	900	950	3.12	3.01	3.42
Minnesota .....	1,515	1,500	1,315	3.17	3.14	3.74
Missouri .....	360	290	250	3.32	3.00	2.92
Nebraska .....	980	955	895	4.03	3.86	4.15
New Mexico .....	259	252	229	5.16	4.99	5.16
New York .....	690	680	740	3.86	3.55	3.23
Ohio .....	470	460	420	3.17	3.82	3.59
Pennsylvania .....	665	685	650	3.97	3.92	3.21
South Dakota .....	2,430	2,550	2,185	2.31	2.30	2.40
Texas .....	140	132	130	4.61	4.79	4.81
Vermont .....	75	70	70	4.00	3.86	4.11
Washington .....	425	508	465	4.40	4.83	5.01
Wisconsin .....	2,450	2,350	2,200	3.55	3.39	4.02
18 State total .....	15,999	15,727	14,544	3.77	3.71	3.85

  

State	Production		
	2008	2009	2010
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	7,424	7,267	6,481
Idaho .....	5,536	5,126	5,208
Illinois .....	1,457	1,424	1,418
Iowa .....	4,686	3,491	3,233
Kansas .....	2,994	3,791	2,536
Michigan .....	3,087	2,705	3,249
Minnesota .....	4,801	4,716	4,916
Missouri .....	1,194	870	731
Nebraska .....	3,953	3,688	3,714
New Mexico .....	1,336	1,257	1,182
New York .....	2,664	2,414	2,391
Ohio .....	1,490	1,758	1,508
Pennsylvania .....	2,638	2,687	2,089
South Dakota .....	5,603	5,871	5,245
Texas .....	645	632	625
Vermont .....	300	270	288
Washington .....	1,868	2,455	2,329
Wisconsin .....	8,687	7,958	8,846
18 State total .....	60,363	58,380	55,989

## All Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2008-2010

[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		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	390	320	360	12.42	15.09	13.91
Idaho .....	82	80	95	14.25	10.04	10.66
Illinois .....	45	48	35	5.13	6.85	7.83
Iowa .....	120	75	90	6.33	6.07	6.21
Kansas .....	75	70	50	4.84	6.21	7.16
Michigan .....	285	315	330	6.24	5.08	7.29
Minnesota .....	250	290	313	5.60	6.28	7.10
Missouri .....	100	25	35	5.00	5.40	5.14
Nebraska .....	45	45	35	6.68	6.09	6.06
New Mexico .....	36	45	44	8.75	7.71	9.70
New York .....	700	630	790	6.64	7.34	6.01
Ohio .....	124	144	96	5.24	7.31	5.33
Pennsylvania .....	370	450	405	6.58	6.98	5.21
South Dakota .....	55	70	60	4.15	5.39	5.87
Texas .....	130	120	80	7.24	5.94	9.38
Vermont .....	170	165	165	7.22	6.67	7.16
Washington .....	75	100	93	8.70	7.80	7.35
Wisconsin .....	1,500	1,500	1,400	6.56	5.80	7.69
18 State total .....	4,552	4,492	4,476	7.09	7.02	7.54

  

State	Production		
	2008	2009	2010
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	4,842	4,830	5,008
Idaho .....	1,169	803	1,013
Illinois .....	231	329	274
Iowa .....	760	455	559
Kansas .....	363	435	358
Michigan .....	1,778	1,601	2,405
Minnesota .....	1,401	1,822	2,223
Missouri .....	500	135	180
Nebraska .....	301	274	212
New Mexico .....	315	347	427
New York .....	4,651	4,624	4,745
Ohio .....	650	1,052	512
Pennsylvania .....	2,438	3,141	2,112
South Dakota .....	228	377	352
Texas .....	941	713	750
Vermont .....	1,229	1,100	1,181
Washington .....	653	780	684
Wisconsin .....	9,840	8,700	10,760
18 State total .....	32,290	31,518	33,755

**Alfalfa Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2008-2010**

[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		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California .....	90	60	70	4.80	9.00	6.50
Idaho .....	77	65	85	14.80	10.50	11.00
Illinois .....	35	24	30	5.30	8.30	8.50
Iowa .....	100	55	75	6.40	6.60	6.50
Kansas .....	50	50	25	5.00	5.50	5.30
Michigan .....	270	290	310	6.40	5.20	7.50
Minnesota .....	215	250	265	5.80	6.60	7.30
Missouri .....	30	10	20	5.00	6.00	6.00
Nebraska .....	35	25	20	7.00	6.30	6.60
New Mexico .....	9	12	9	8.00	5.50	8.50
New York .....	470	440	430	7.40	7.40	7.10
Ohio .....	95	124	76	5.80	7.60	5.90
Pennsylvania .....	270	325	285	7.40	7.70	5.60
South Dakota .....	40	50	35	4.20	4.90	4.90
Texas .....	12	12	10	5.66	5.40	5.00
Vermont .....	65	55	60	7.75	7.20	8.30
Washington .....	20	23	25	6.50	4.80	6.40
Wisconsin .....	1,400	1,400	1,300	6.70	5.90	7.90
18 State total .....	3,283	3,270	3,130	6.81	6.51	7.38

State	Production		
	2008	2009	2010
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	432	540	455
Idaho .....	1,140	683	935
Illinois .....	186	199	255
Iowa .....	640	363	488
Kansas .....	250	275	133
Michigan .....	1,728	1,508	2,325
Minnesota .....	1,247	1,650	1,935
Missouri .....	150	60	120
Nebraska .....	245	158	132
New Mexico .....	72	66	77
New York .....	3,478	3,256	3,053
Ohio .....	551	942	448
Pennsylvania .....	1,998	2,503	1,596
South Dakota .....	168	245	172
Texas .....	68	65	50
Vermont .....	504	396	498
Washington .....	130	110	160
Wisconsin .....	9,380	8,260	10,270
18 State total .....	22,367	21,279	23,102

## New Seedings of Alfalfa and Alfalfa mixtures Area Seeded – States and United States: 2008-2010

State	Area seeded		
	2008 (1,000 acres)	2009 (1,000 acres)	2010 (1,000 acres)
Arizona .....	55	45	35
Arkansas .....	2	2	1
California .....	170	100	95
Colorado .....	100	100	100
Connecticut .....	1	1	1
Delaware .....	1	1	1
Idaho .....	130	125	130
Illinois .....	51	51	35
Indiana .....	40	45	35
Iowa .....	125	130	135
Kansas .....	65	70	80
Kentucky .....	45	30	27
Maine .....	2	1	1
Maryland .....	6	6	8
Massachusetts .....	1	1	1
Michigan .....	115	90	110
Minnesota .....	230	250	230
Missouri .....	35	45	35
Montana .....	85	100	125
Nebraska .....	140	140	120
Nevada .....	21	16	23
New Hampshire .....	1	1	1
New Jersey .....	1	2	1
New Mexico .....	25	35	20
New York .....	105	80	100
North Carolina .....	1	1	1
North Dakota .....	155	90	80
Ohio .....	76	76	71
Oklahoma .....	30	85	55
Oregon .....	40	47	35
Pennsylvania .....	110	100	95
South Dakota .....	120	125	130
Tennessee .....	2	1	1
Texas .....	15	15	20
Utah .....	65	70	65
Vermont .....	8	8	8
Virginia .....	19	16	11
Washington .....	50	75	60
West Virginia .....	6	4	3
Wisconsin .....	420	450	430
Wyoming .....	30	35	30
United States .....	2,699	2,665	2,545

**Peanut Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	195.0	155.0	190.0	193.0	150.0	185.0
Florida .....	150.0	115.0	145.0	140.0	105.0	135.0
Georgia .....	690.0	510.0	565.0	685.0	505.0	555.0
Mississippi .....	22.0	21.0	19.0	21.0	18.0	18.0
New Mexico .....	8.0	7.0	10.0	8.0	7.0	10.0
North Carolina .....	98.0	67.0	87.0	97.0	66.0	86.0
Oklahoma .....	19.0	14.0	22.0	18.0	13.0	21.0
South Carolina .....	71.0	50.0	67.0	68.0	48.0	64.0
Texas .....	257.0	165.0	165.0	253.0	155.0	163.0
Virginia .....	24.0	12.0	18.0	24.0	12.0	18.0
United States .....	1,534.0	1,116.0	1,288.0	1,507.0	1,079.0	1,255.0

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Alabama .....	3,500	3,300	2,600	675,500	495,000	481,000
Florida .....	3,200	3,200	3,400	448,000	336,000	459,000
Georgia .....	3,400	3,560	3,560	2,329,000	1,797,800	1,975,800
Mississippi .....	3,900	3,000	3,500	81,900	54,000	63,000
New Mexico .....	3,200	3,100	3,200	25,600	21,700	32,000
North Carolina .....	3,700	3,700	2,800	358,900	244,200	240,800
Oklahoma .....	3,500	3,300	3,200	63,000	42,900	67,200
South Carolina .....	3,900	3,100	3,400	265,200	148,800	217,600
Texas .....	3,300	3,270	3,600	834,900	506,850	586,800
Virginia .....	3,350	3,700	1,800	80,400	44,400	32,400
United States .....	3,426	3,421	3,311	5,162,400	3,691,650	4,155,600

**Canola Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho <sup>1</sup> .....	(D)	15.0	19.5	(D)	14.5	18.4
Minnesota .....	23.0	13.0	46.0	22.0	12.5	45.0
Montana .....	7.5	6.5	17.5	7.4	6.5	17.4
North Dakota .....	910.0	730.0	1,280.0	895.0	725.0	1,270.0
Oklahoma <sup>1</sup> .....	(D)	42.0	60.0	(D)	37.0	56.0
Oregon <sup>1</sup> .....	(D)	4.9	6.0	(D)	4.4	5.7
Other States <sup>2</sup> .....	70.5	15.6	19.8	64.6	14.1	18.5
United States .....	1,011.0	827.0	1,448.8	989.0	814.0	1,431.0

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Idaho <sup>1</sup> .....	(D)	1,700	1,800	(D)	24,650	33,120
Minnesota .....	1,600	1,700	1,530	35,200	21,250	68,850
Montana .....	1,910	1,660	1,730	14,134	10,790	30,102
North Dakota .....	1,460	1,840	1,720	1,306,700	1,334,000	2,184,400
Oklahoma <sup>1</sup> .....	(D)	1,300	1,600	(D)	48,100	89,600
Oregon <sup>1</sup> .....	(D)	2,550	2,450	(D)	11,220	13,965
Other States <sup>2</sup> .....	1,378	1,711	1,671	89,030	24,120	30,910
United States .....	1,461	1,811	1,713	1,445,064	1,474,130	2,450,947

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

<sup>1</sup> Beginning in 2009, Idaho, Oklahoma, and Oregon are published individually.

<sup>2</sup> For 2008, Other States include Colorado, Idaho, Kansas, Michigan, Oklahoma, Oregon, and Washington. Beginning in 2009, Other States include Colorado, Kansas, and Washington.

**Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2008-2010**

Varietal types and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Oil</b>						
California <sup>1</sup> .....	(D)	34.0	27.0	(D)	33.5	27.0
Colorado .....	170.0	70.0	95.0	143.0	68.0	92.0
Kansas .....	220.0	150.0	110.0	205.0	140.0	105.0
Minnesota .....	75.0	45.0	55.0	73.0	44.0	51.0
Nebraska .....	45.0	27.0	25.0	43.0	26.0	24.0
North Dakota .....	960.0	770.0	700.0	930.0	760.0	685.0
Oklahoma <sup>1</sup> .....	(D)	13.0	11.0	(D)	12.5	10.5
South Dakota .....	550.0	520.0	410.0	545.0	510.0	400.0
Texas .....	65.0	69.0	30.0	54.0	59.0	28.0
Other States <sup>2</sup> .....	78.0	(X)	(X)	69.0	(X)	(X)
United States .....	2,163.0	1,698.0	1,463.0	2,062.0	1,653.0	1,422.5
<b>Non-Oil</b>						
California <sup>1</sup> .....	(D)	8.0	7.0	(D)	8.0	7.0
Colorado .....	24.0	21.0	37.0	19.0	19.0	35.0
Kansas .....	21.0	18.0	29.0	19.0	15.0	28.0
Minnesota .....	40.0	26.0	33.0	39.0	20.0	31.0
Nebraska .....	19.0	25.0	37.0	18.0	21.0	34.0
North Dakota .....	155.0	115.0	185.0	150.0	108.0	177.0
Oklahoma <sup>1</sup> .....	(D)	3.0	1.5	(D)	2.5	1.3
South Dakota .....	50.0	50.0	100.0	48.0	48.0	95.0
Texas .....	36.0	66.0	59.0	33.0	59.0	43.0
Other States <sup>2</sup> .....	8.5	(X)	(X)	8.0	(X)	(X)
United States .....	353.5	332.0	488.5	334.0	300.5	451.3
<b>All</b>						
California <sup>1</sup> .....	(D)	42.0	34.0	(D)	41.5	34.0
Colorado .....	194.0	91.0	132.0	162.0	87.0	127.0
Kansas .....	241.0	168.0	139.0	224.0	155.0	133.0
Minnesota .....	115.0	71.0	88.0	112.0	64.0	82.0
Nebraska .....	64.0	52.0	62.0	61.0	47.0	58.0
North Dakota .....	1,115.0	885.0	885.0	1,080.0	868.0	862.0
Oklahoma <sup>1</sup> .....	(D)	16.0	12.5	(D)	15.0	11.8
South Dakota .....	600.0	570.0	510.0	593.0	558.0	495.0
Texas .....	101.0	135.0	89.0	87.0	118.0	71.0
Other States <sup>2</sup> .....	86.5	(X)	(X)	77.0	(X)	(X)
United States .....	2,516.5	2,030.0	1,951.5	2,396.0	1,953.5	1,873.8

See footnote(s) at end of table.

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**Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2008-2010** (continued)

Varietal types and State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
<b>Oil</b>						
California <sup>1</sup> .....	(D)	1,200	1,150	(D)	40,200	31,050
Colorado .....	900	1,320	1,350	128,700	89,760	124,200
Kansas .....	1,240	1,580	1,380	254,200	221,200	144,900
Minnesota .....	1,550	1,400	1,500	113,150	61,600	76,500
Nebraska .....	1,300	1,200	1,350	55,900	31,200	32,400
North Dakota .....	1,430	1,520	1,460	1,329,900	1,155,200	1,000,100
Oklahoma <sup>1</sup> .....	(D)	1,100	1,500	(D)	13,750	15,750
South Dakota .....	1,780	1,800	1,540	970,100	918,000	616,000
Texas .....	1,100	900	1,200	59,400	53,100	33,600
Other States <sup>2</sup> .....	1,191	(X)	(X)	82,160	(X)	(X)
United States .....	1,452	1,563	1,458	2,993,510	2,584,010	2,074,500
<b>Non-Oil</b>						
California <sup>1</sup> .....	(D)	1,350	1,350	(D)	10,800	9,450
Colorado .....	1,300	1,700	1,250	24,700	32,300	43,750
Kansas .....	1,300	1,600	1,470	24,700	24,000	41,160
Minnesota .....	1,300	1,250	1,300	50,700	25,000	40,300
Nebraska .....	1,500	1,500	1,500	27,000	31,500	51,000
North Dakota .....	1,210	1,500	1,440	181,500	162,000	254,880
Oklahoma <sup>1</sup> .....	(D)	1,500	1,100	(D)	3,750	1,430
South Dakota .....	1,650	1,800	1,650	79,200	86,400	156,750
Texas .....	1,000	1,300	1,450	33,000	76,700	62,350
Other States <sup>2</sup> .....	1,066	(X)	(X)	8,530	(X)	(X)
United States .....	1,285	1,506	1,465	429,330	452,450	661,070
<b>All</b>						
California <sup>1</sup> .....	(D)	1,229	1,191	(D)	51,000	40,500
Colorado .....	947	1,403	1,322	153,400	122,060	167,950
Kansas .....	1,245	1,582	1,399	278,900	245,200	186,060
Minnesota .....	1,463	1,353	1,424	163,850	86,600	116,800
Nebraska .....	1,359	1,334	1,438	82,900	62,700	83,400
North Dakota .....	1,399	1,518	1,456	1,511,400	1,317,200	1,254,980
Oklahoma <sup>1</sup> .....	(D)	1,167	1,456	(D)	17,500	17,180
South Dakota .....	1,769	1,800	1,561	1,049,300	1,004,400	772,750
Texas .....	1,062	1,100	1,351	92,400	129,800	95,950
Other States <sup>2</sup> .....	1,178	(X)	(X)	90,690	(X)	(X)
United States .....	1,429	1,554	1,460	3,422,840	3,036,460	2,735,570

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

(X) Not applicable.

<sup>1</sup> Beginning in 2009, California and Oklahoma are published individually.

<sup>2</sup> For 2008, Other States include California, Illinois, Michigan, Missouri, Montana, Oklahoma, Wisconsin, and Wyoming. Beginning in 2009, Other States is discontinued.

**Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	360	440	350	350	430	345
Arkansas .....	3,300	3,420	3,190	3,250	3,270	3,150
Delaware .....	195	185	175	193	183	173
Florida .....	32	37	25	29	34	23
Georgia .....	430	470	270	415	440	260
Illinois .....	9,200	9,400	9,100	9,120	9,350	9,050
Indiana .....	5,450	5,450	5,350	5,430	5,440	5,330
Iowa .....	9,750	9,600	9,800	9,670	9,530	9,730
Kansas .....	3,300	3,700	4,300	3,250	3,650	4,250
Kentucky .....	1,390	1,430	1,400	1,380	1,420	1,390
Louisiana .....	1,050	1,020	1,030	950	940	1,020
Maryland .....	495	485	470	485	475	465
Michigan .....	1,900	2,000	2,050	1,890	1,990	2,040
Minnesota .....	7,050	7,200	7,400	6,970	7,120	7,310
Mississippi .....	2,000	2,160	2,000	1,960	2,030	1,980
Missouri .....	5,200	5,350	5,150	5,030	5,300	5,070
Nebraska .....	4,900	4,800	5,150	4,860	4,760	5,100
New Jersey .....	92	89	94	90	87	92
New York .....	230	255	280	226	254	279
North Carolina .....	1,690	1,800	1,580	1,670	1,750	1,550
North Dakota .....	3,800	3,900	4,100	3,760	3,870	4,070
Ohio .....	4,500	4,550	4,600	4,480	4,530	4,590
Oklahoma .....	400	405	500	360	390	475
Pennsylvania .....	435	450	500	430	445	495
South Carolina .....	540	590	465	530	565	455
South Dakota .....	4,100	4,250	4,200	4,060	4,190	4,140
Tennessee .....	1,490	1,570	1,450	1,460	1,530	1,410
Texas .....	230	215	205	205	190	185
Virginia .....	580	580	560	570	570	540
West Virginia .....	19	20	20	18	19	19
Wisconsin .....	1,610	1,630	1,640	1,590	1,620	1,630
United States .....	75,718	77,451	77,404	74,681	76,372	76,616

**Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010** (continued)

State	Yield per acre			Production		
	2008 (bushels)	2009 (bushels)	2010 (bushels)	2008 (1,000 bushels)	2009 (1,000 bushels)	2010 (1,000 bushels)
Alabama .....	35.0	40.0	26.0	12,250	17,200	8,970
Arkansas .....	38.0	37.5	35.0	123,500	122,625	110,250
Delaware .....	27.5	42.0	32.0	5,308	7,686	5,536
Florida .....	38.0	38.0	30.0	1,102	1,292	690
Georgia .....	31.0	36.0	26.0	12,865	15,840	6,760
Illinois .....	47.0	46.0	51.5	428,640	430,100	466,075
Indiana .....	45.0	49.0	48.5	244,350	266,560	258,505
Iowa .....	46.5	51.0	51.0	449,655	486,030	496,230
Kansas .....	37.0	44.0	32.5	120,250	160,600	138,125
Kentucky .....	34.5	48.0	34.0	47,610	68,160	47,260
Louisiana .....	33.0	39.0	41.0	31,350	36,660	41,820
Maryland .....	30.0	42.0	34.0	14,550	19,950	15,810
Michigan .....	37.0	40.0	43.5	69,930	79,600	88,740
Minnesota .....	38.0	40.0	45.0	264,860	284,800	328,950
Mississippi .....	40.0	38.0	38.5	78,400	77,140	76,230
Missouri .....	38.0	43.5	41.5	191,140	230,550	210,405
Nebraska .....	46.5	54.5	52.5	225,990	259,420	267,750
New Jersey .....	30.0	42.0	24.0	2,700	3,654	2,208
New York .....	46.0	43.0	48.0	10,396	10,922	13,392
North Carolina .....	33.0	34.0	26.0	55,110	59,500	40,300
North Dakota .....	28.0	30.0	34.0	105,280	116,100	138,380
Ohio .....	36.0	49.0	48.0	161,280	221,970	220,320
Oklahoma .....	25.0	31.0	25.0	9,000	12,090	11,875
Pennsylvania .....	40.0	46.0	42.0	17,200	20,470	20,790
South Carolina .....	32.0	24.5	23.0	16,960	13,843	10,465
South Dakota .....	34.0	42.0	38.0	138,040	175,980	157,320
Tennessee .....	34.0	45.0	31.0	49,640	68,850	43,710
Texas .....	24.5	25.0	30.0	5,023	4,750	5,550
Virginia .....	32.0	37.0	26.0	18,240	21,090	14,040
West Virginia .....	41.0	41.0	30.0	738	779	570
Wisconsin .....	35.0	40.0	50.5	55,650	64,800	82,315
United States .....	39.7	44.0	43.5	2,967,007	3,359,011	3,329,341

## Soybean Objective Yield Data

The National Agricultural Statistics Service conducted an objective yield survey in 11 soybean producing States during 2010. 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: 2006-2010

State and month	2006	2007	2008	2009	2010	State and month	2006	2007	2008	2009	2010
	(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 .....	1,500	1,558	1,466	1,456	1,679
October .....	1,645	1,621	1,569	1,785	1,591	October .....	1,586	1,589	1,493	1,542	1,741
November .....	1,655	1,665	1,723	1,794	1,805	November .....	1,568	1,588	1,470	1,611	1,783
Final .....	1,667	1,690	1,715	1,865	1,833	Final .....	1,568	1,588	1,472	1,581	1,783
<b>Illinois</b>						<b>Missouri</b>					
September .....	1,860	1,800	1,621	1,610	1,970	September .....	1,673	1,566	1,538	1,856	1,924
October .....	1,890	1,796	1,893	1,672	2,090	October .....	1,746	1,579	1,473	1,983	1,899
November .....	1,923	1,818	1,801	1,676	2,096	November .....	1,738	1,685	1,673	2,083	1,986
Final .....	1,923	1,831	1,829	1,687	2,096	Final .....	1,735	1,697	1,690	2,122	1,993
<b>Indiana</b>						<b>Nebraska</b>					
September .....	1,764	1,667	1,608	1,516	1,878	September .....	1,699	1,876	1,692	1,793	1,906
October .....	1,893	1,660	1,577	1,525	1,852	October .....	1,801	2,042	1,766	1,878	2,109
November .....	1,909	1,628	1,648	1,583	1,879	November .....	1,784	2,088	1,857	1,868	2,121
Final .....	1,909	1,641	1,659	1,594	1,879	Final .....	1,766	2,084	1,857	1,868	2,121
<b>Iowa</b>						<b>North Dakota</b>					
September .....	1,688	1,787	1,758	1,858	2,009	September .....	1,127	1,323	1,261	1,208	1,375
October .....	1,758	1,917	1,732	1,878	2,046	October .....	1,241	1,445	1,261	1,236	1,416
November .....	1,760	1,933	1,770	1,868	2,054	November .....	1,260	1,500	1,405	1,317	1,510
Final .....	1,760	1,932	1,775	1,879	2,054	Final .....	1,260	1,497	1,405	1,318	1,510
<b>Kansas</b>						<b>Ohio</b>					
September .....	1,466	1,605	1,346	1,627	1,402	September .....	1,868	1,892	1,942	1,846	1,991
October .....	1,509	1,524	1,487	1,759	1,392	October .....	1,895	1,850	1,755	1,769	2,012
November .....	1,581	1,608	1,581	1,784	1,427	November .....	1,835	1,909	1,618	1,757	2,022
Final .....	1,581	1,609	1,629	1,768	1,429	Final .....	1,866	1,909	1,616	1,712	2,022
						<b>South Dakota</b>					
						September .....	1,255	1,476	1,425	1,513	1,527
						October .....	1,345	1,492	1,465	1,642	1,622
						November .....	1,316	1,510	1,492	1,683	1,605
						Final .....	1,312	1,510	1,492	1,682	1,605

(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: 2008-2010

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Minnesota .....	3	3	4	3	3	4
Montana .....	9	11	15	8	10	15
North Dakota .....	335	295	390	323	293	388
South Dakota .....	7	8	12	6	8	11
United States .....	354	317	421	340	314	418
State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Minnesota .....	23.0	21.0	14.0	69	63	56
Montana .....	9.0	16.0	17.0	72	160	255
North Dakota .....	17.0	24.0	22.0	5,491	7,032	8,536
South Dakota .....	14.0	21.0	19.0	84	168	209
United States .....	16.8	23.6	21.7	5,716	7,423	9,056

### Safflower Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California .....	105.0	59.0	56.0	104.0	58.0	55.5
Montana .....	29.0	31.0	28.0	28.0	30.5	27.0
North Dakota <sup>1</sup> .....	(D)	(D)	16.0	(D)	(D)	15.5
Utah <sup>1</sup> .....	(D)	(D)	32.0	(D)	(D)	31.0
Other States <sup>2</sup> .....	68.0	85.0	43.0	63.0	77.0	38.7
United States .....	202.0	175.0	175.0	195.0	165.5	167.7
State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California .....	2,400	2,450	2,250	249,600	142,100	124,875
Montana .....	600	770	850	16,800	23,485	22,950
North Dakota <sup>1</sup> .....	(D)	(D)	850	(D)	(D)	13,175
Utah <sup>1</sup> .....	(D)	(D)	740	(D)	(D)	22,940
Other States <sup>2</sup> .....	699	992	966	44,033	76,385	37,395
United States .....	1,592	1,462	1,320	310,433	241,970	221,335

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

<sup>1</sup> Beginning in 2010, North Dakota and Utah are published individually.

<sup>2</sup> For 2008, Other States include Arizona, Colorado, Idaho, North Dakota, South Dakota, and Utah. For 2009, Other States include Colorado, Idaho, North Dakota, South Dakota, and Utah. Beginning in 2010, Other States include Colorado, Idaho, and South Dakota.

### Other Oilseed Area Planted and Harvested, Yield, and Production by Crop – United States: 2008-2010

Crop	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Rapeseed .....	0.2	1.0	2.3	0.2	0.9	2.2
Mustard seed .....	79.5	51.5	50.5	71.5	49.8	48.1
State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Rapeseed .....	1,500	1,700	1,891	300	1,530	4,160
Mustard seed .....	577	991	870	41,255	49,364	41,861

**Cotton Area Planted and Harvested, Yield, and Production by Type – States and United States: 2008-2010**

Type and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Upland</b>						
Alabama .....	290.0	255.0	340.0	286.0	248.0	337.0
Arizona .....	135.0	145.0	195.0	133.0	144.0	193.0
Arkansas .....	620.0	520.0	545.0	615.0	500.0	540.0
California .....	120.0	71.0	124.0	117.0	70.0	123.0
Florida .....	67.0	82.0	92.0	65.0	78.0	89.0
Georgia .....	940.0	1,000.0	1,330.0	920.0	990.0	1,320.0
Kansas .....	35.0	38.0	51.0	25.0	34.0	49.0
Louisiana .....	300.0	230.0	255.0	234.0	225.0	250.0
Mississippi .....	365.0	305.0	420.0	360.0	290.0	415.0
Missouri .....	306.0	272.0	310.0	303.0	260.0	308.0
New Mexico .....	38.0	31.1	47.0	35.0	29.5	46.0
North Carolina .....	430.0	375.0	550.0	428.0	370.0	545.0
Oklahoma .....	170.0	205.0	285.0	155.0	195.0	270.0
South Carolina .....	135.0	115.0	202.0	134.0	114.0	201.0
Tennessee .....	285.0	300.0	390.0	280.0	280.0	387.0
Texas .....	5,000.0	5,000.0	5,550.0	3,250.0	3,500.0	5,350.0
Virginia .....	61.0	64.0	83.0	60.0	63.0	82.0
United States .....	9,297.0	9,008.1	10,769.0	7,400.0	7,390.5	10,505.0
<b>American Pima</b>						
Arizona .....	0.8	1.6	2.5	0.8	1.6	2.5
California .....	155.0	119.0	182.0	151.0	116.0	180.0
New Mexico .....	2.6	2.8	2.7	1.9	2.8	2.7
Texas .....	15.6	18.0	17.0	15.0	17.8	16.5
United States .....	174.0	141.4	204.2	168.7	138.2	201.7
<b>All</b>						
Alabama .....	290.0	255.0	340.0	286.0	248.0	337.0
Arizona .....	135.8	146.6	197.5	133.8	145.6	195.5
Arkansas .....	620.0	520.0	545.0	615.0	500.0	540.0
California .....	275.0	190.0	306.0	268.0	186.0	303.0
Florida .....	67.0	82.0	92.0	65.0	78.0	89.0
Georgia .....	940.0	1,000.0	1,330.0	920.0	990.0	1,320.0
Kansas .....	35.0	38.0	51.0	25.0	34.0	49.0
Louisiana .....	300.0	230.0	255.0	234.0	225.0	250.0
Mississippi .....	365.0	305.0	420.0	360.0	290.0	415.0
Missouri .....	306.0	272.0	310.0	303.0	260.0	308.0
New Mexico .....	40.6	33.9	49.7	36.9	32.3	48.7
North Carolina .....	430.0	375.0	550.0	428.0	370.0	545.0
Oklahoma .....	170.0	205.0	285.0	155.0	195.0	270.0
South Carolina .....	135.0	115.0	202.0	134.0	114.0	201.0
Tennessee .....	285.0	300.0	390.0	280.0	280.0	387.0
Texas .....	5,015.6	5,018.0	5,567.0	3,265.0	3,517.8	5,366.5
Virginia .....	61.0	64.0	83.0	60.0	63.0	82.0
United States .....	9,471.0	9,149.5	10,973.2	7,568.7	7,528.7	10,706.7

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: 2008-2010 (continued)**

Type and State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010 <sup>1</sup>
	(pounds)	(pounds)	(pounds)	(1,000 bales) <sup>2</sup>	(1,000 bales) <sup>2</sup>	(1,000 bales) <sup>2</sup>
<b>Upland</b>						
Alabama .....	787	668	684	469.0	345.0	480.0
Arizona .....	1,462	1,477	1,467	405.0	443.0	590.0
Arkansas .....	1,012	818	1,049	1,296.0	852.0	1,180.0
California .....	1,506	1,646	1,639	367.0	240.0	420.0
Florida .....	916	723	809	124.0	117.5	150.0
Georgia .....	835	902	811	1,600.0	1,860.0	2,230.0
Kansas .....	653	748	784	34.0	53.0	80.0
Louisiana .....	576	745	864	281.0	349.0	450.0
Mississippi .....	911	687	983	683.0	415.0	850.0
Missouri .....	1,106	927	1,068	698.0	502.0	685.0
New Mexico .....	974	1,172	1,096	71.0	72.0	105.0
North Carolina .....	847	990	854	755.0	763.0	970.0
Oklahoma .....	811	785	738	262.0	319.0	415.0
South Carolina .....	881	872	872	246.0	207.0	365.0
Tennessee .....	909	843	843	530.0	492.0	680.0
Texas .....	657	634	722	4,450.0	4,620.0	8,050.0
Virginia .....	908	1,052	685	113.5	138.1	117.0
United States .....	803	766	814	12,384.5	11,787.6	17,817.0
<b>American Pima</b>						
Arizona .....	480	1,170	864	0.8	3.9	4.5
California .....	1,281	1,494	1,216	403.0	361.0	456.0
New Mexico .....	758	686	889	3.0	4.0	5.0
Texas .....	768	836	931	24.0	31.0	32.0
United States .....	1,226	1,389	1,184	430.8	399.9	497.5
<b>All</b>						
Alabama .....	787	668	684	469.0	345.0	480.0
Arizona .....	1,456	1,473	1,460	405.8	446.9	594.5
Arkansas .....	1,012	818	1,049	1,296.0	852.0	1,180.0
California .....	1,379	1,551	1,388	770.0	601.0	876.0
Florida .....	916	723	809	124.0	117.5	150.0
Georgia .....	835	902	811	1,600.0	1,860.0	2,230.0
Kansas .....	653	748	784	34.0	53.0	80.0
Louisiana .....	576	745	864	281.0	349.0	450.0
Mississippi .....	911	687	983	683.0	415.0	850.0
Missouri .....	1,106	927	1,068	698.0	502.0	685.0
New Mexico .....	963	1,129	1,084	74.0	76.0	110.0
North Carolina .....	847	990	854	755.0	763.0	970.0
Oklahoma .....	811	785	738	262.0	319.0	415.0
South Carolina .....	881	872	872	246.0	207.0	365.0
Tennessee .....	909	843	843	530.0	492.0	680.0
Texas .....	658	635	723	4,474.0	4,651.0	8,082.0
Virginia .....	908	1,052	685	113.5	138.1	117.0
United States .....	813	777	821	12,815.3	12,187.5	18,314.5

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

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

## Cottonseed Production – States and United States: 2008-2010

State	Production		
	2008 (1,000 tons)	2009 (1,000 tons)	2010 <sup>1</sup> (1,000 tons)
Alabama .....	139.0	114.0	158.0
Arizona .....	140.3	161.4	210.0
Arkansas .....	443.0	294.0	408.0
California .....	280.0	275.0	349.0
Florida .....	32.6	34.5	44.0
Georgia .....	508.0	539.1	670.0
Kansas .....	12.7	19.0	29.0
Louisiana .....	89.0	108.0	143.0
Mississippi .....	230.0	134.0	286.0
Missouri .....	240.0	192.5	239.0
New Mexico .....	25.0	25.4	37.0
North Carolina .....	231.0	244.6	304.0
Oklahoma .....	90.5	108.4	147.0
South Carolina .....	88.1	64.3	118.0
Tennessee .....	169.0	157.9	222.0
Texas .....	1,547.1	1,634.0	2,791.0
Virginia .....	35.0	42.7	36.0
United States .....	4,300.3	4,148.8	6,191.0

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



## Tobacco Area Harvested, Yield, and Production – States and United States: 2008-2010

State	Area harvested			Yield per acre		
	2008	2009	2010	2008	2009	2010
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Connecticut .....	2,600	1,900	2,550	1,352	1,277	1,649
Georgia .....	16,000	13,800	11,400	2,100	2,030	2,400
Kentucky .....	87,800	88,700	85,200	2,345	2,333	2,133
Massachusetts .....	690	390	950	1,403	1,500	1,691
Missouri <sup>1</sup> .....	1,500	(NA)	(NA)	2,240	(NA)	(NA)
North Carolina .....	174,300	177,400	168,300	2,240	2,389	2,095
Ohio .....	3,400	3,400	2,500	2,050	2,000	2,050
Pennsylvania .....	7,900	8,200	8,500	2,232	2,276	2,349
South Carolina .....	19,000	18,500	16,000	2,100	2,100	2,250
Tennessee .....	21,800	21,600	22,300	2,403	2,313	2,051
Virginia .....	19,500	20,150	19,750	2,357	2,309	2,299
United States .....	354,490	354,040	337,450	2,258	2,323	2,133

State	Production		
	2008	2009	2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Connecticut .....	3,516	2,426	4,205
Georgia .....	33,600	28,014	27,360
Kentucky .....	205,850	206,900	181,760
Massachusetts .....	968	585	1,606
Missouri <sup>1</sup> .....	3,360	(NA)	(NA)
North Carolina .....	390,360	423,856	352,625
Ohio .....	6,970	6,800	5,125
Pennsylvania .....	17,630	18,660	19,965
South Carolina .....	39,900	38,850	36,000
Tennessee .....	52,380	49,960	45,740
Virginia .....	45,970	46,530	45,400
United States .....	800,504	822,581	719,786

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2009.

**Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2008-2010**

Class, type, and State	Area harvested		
	2008 (acres)	2009 (acres)	2010 (acres)
<b>Class 1, Flue-cured (11-14)</b>			
Georgia .....	16,000	13,800	11,400
North Carolina .....	171,000	174,000	166,000
South Carolina .....	19,000	18,500	16,000
Virginia .....	17,000	17,500	17,500
United States .....	223,000	223,800	210,900
<b>Class 2, Fire-cured (21-23)</b>			
Kentucky .....	10,900	9,100	8,800
Tennessee .....	7,200	6,400	6,200
Virginia .....	500	650	650
United States .....	18,600	16,150	15,650
<b>Class 3A, Light air-cured</b>			
Type 31, Burley			
Kentucky .....	70,000	75,000	72,000
Missouri <sup>1</sup> .....	1,500	(NA)	(NA)
North Carolina .....	3,300	3,400	2,300
Ohio .....	3,400	3,400	2,500
Pennsylvania .....	4,300	4,100	4,200
Tennessee .....	13,000	14,000	15,000
Virginia .....	2,000	2,000	1,600
United States .....	97,500	101,900	97,600
Type 32, Southern Maryland			
Pennsylvania .....	1,800	2,100	2,200
<b>Total light air-cured (31-32) .....</b>	<b>99,300</b>	<b>104,000</b>	<b>99,800</b>
<b>Class 3B, Dark air-cured (35-37)</b>			
Kentucky .....	6,900	4,600	4,400
Tennessee .....	1,600	1,200	1,100
United States .....	8,500	5,800	5,500
<b>Class 4, Cigar filler</b>			
Type 41, Pennsylvania Seedleaf			
Pennsylvania .....	1,800	2,000	2,100
<b>Class 5, Cigar binder</b>			
Type 51, Connecticut Valley Broadleaf			
Connecticut .....	1,700	1,100	1,900
Massachusetts .....	500	300	850
United States .....	2,200	1,400	2,750
<b>Class 6, Cigar wrapper</b>			
Type 61, Connecticut Valley Shade-grown			
Connecticut .....	900	800	650
Massachusetts .....	190	90	100
United States .....	1,090	890	750
<b>Total cigar types (41-61) .....</b>	<b>5,090</b>	<b>4,290</b>	<b>5,600</b>
<b>All Tobacco</b>			
United States .....	354,490	354,040	337,450

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:  
2008-2010 (continued)**

Class, type, and State	Yield per acre			Production		
	2008 (acres)	2009 (acres)	2010 (pounds)	2008 (pounds)	2009 (1,000 pounds)	2010 (1,000 pounds)
<b>Class 1, Flue-cured (11-14)</b>						
Georgia .....	2,100	2,030	2,400	33,600	28,014	27,360
North Carolina .....	2,250	2,400	2,100	384,750	417,600	348,600
South Carolina .....	2,100	2,100	2,250	39,900	38,850	36,000
Virginia .....	2,410	2,340	2,350	40,970	40,950	41,125
United States .....	2,239	2,348	2,148	499,220	525,414	453,085
<b>Class 2, Fire-cured (21-23)</b>						
Kentucky .....	3,500	3,500	3,300	38,150	31,850	29,040
Tennessee .....	3,200	3,100	2,900	23,040	19,840	17,980
Virginia .....	2,000	2,000	1,900	1,000	1,300	1,235
United States .....	3,344	3,281	3,083	62,190	52,990	48,255
<b>Class 3A, Light air-cured</b>						
Type 31, Burley						
Kentucky .....	2,100	2,150	1,950	147,000	161,250	140,400
Missouri <sup>1</sup> .....	2,240	(NA)	(NA)	3,360	(NA)	(NA)
North Carolina .....	1,700	1,840	1,750	5,610	6,256	4,025
Ohio .....	2,050	2,000	2,050	6,970	6,800	5,125
Pennsylvania .....	2,300	2,300	2,400	9,890	9,430	10,080
Tennessee .....	1,900	1,920	1,660	24,700	26,880	24,900
Virginia .....	2,000	2,140	1,900	4,000	4,280	3,040
United States .....	2,067	2,109	1,922	201,530	214,896	187,570
Type 32, Southern Maryland Belt						
Pennsylvania .....	2,100	2,300	2,250	3,780	4,830	4,950
<b>Total light air-cured (31-32) .....</b>	<b>2,068</b>	<b>2,113</b>	<b>1,929</b>	<b>205,310</b>	<b>219,726</b>	<b>192,520</b>
<b>Class 3B, Dark air-cured (35-37)</b>						
Kentucky .....	3,000	3,000	2,800	20,700	13,800	12,320
Tennessee .....	2,900	2,700	2,600	4,640	3,240	2,860
United States .....	2,981	2,938	2,760	25,340	17,040	15,180
<b>Class 4, Cigar filler</b>						
Type 41, Pennsylvania Seedleaf						
Pennsylvania .....	2,200	2,200	2,350	3,960	4,400	4,935
<b>Class 5, Cigar binder</b>						
Type 51 Connecticut Valley Broadleaf						
Connecticut .....	1,380	1,260	1,700	2,346	1,386	3,230
Massachusetts .....	1,460	1,620	1,720	730	486	1,462
United States .....	1,398	1,337	1,706	3,076	1,872	4,692
<b>Class 6, Cigar wrapper</b>						
Type 61, Connecticut Valley Shade-grown						
Connecticut .....	1,300	1,300	1,500	1,170	1,040	975
Massachusetts .....	1,250	1,100	1,440	238	99	144
United States .....	1,292	1,280	1,492	1,408	1,139	1,119
<b>Total cigar types (41-61) .....</b>	<b>1,659</b>	<b>1,728</b>	<b>1,919</b>	<b>8,444</b>	<b>7,411</b>	<b>10,746</b>
<b>All tobacco</b>						
United States .....	2,258	2,323	2,133	800,504	822,581	719,786

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2009.

## Sugarbeet Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010

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

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California .....	26.0	25.3	25.1	25.3	25.2	25.1
Colorado .....	33.8	35.1	28.9	28.6	35.0	27.9
Idaho .....	131.0	164.0	171.0	116.0	163.0	170.0
Michigan .....	137.0	138.0	147.0	136.0	136.0	147.0
Minnesota .....	440.0	464.0	449.0	399.0	449.0	441.0
Montana .....	31.7	38.4	42.6	30.7	33.6	42.5
Nebraska .....	45.2	53.0	50.0	37.3	52.6	47.5
North Dakota .....	208.0	225.0	217.0	197.0	218.0	214.0
Oregon .....	6.7	10.6	10.3	5.9	10.5	10.3
Washington <sup>1</sup> .....	1.6	(NA)	(NA)	1.6	(NA)	(NA)
Wyoming .....	29.7	32.4	30.5	27.1	25.6	30.4
United States .....	1,090.7	1,185.8	1,171.4	1,004.5	1,148.5	1,155.7

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
California .....	41.6	43.9	40.0	1,052	1,106	1,004
Colorado .....	26.5	27.5	29.5	758	963	823
Idaho .....	31.2	34.3	31.0	3,619	5,591	5,270
Michigan .....	28.7	24.4	26.0	3,903	3,318	3,822
Minnesota .....	24.7	23.7	26.7	9,855	10,641	11,775
Montana .....	26.8	29.8	29.5	823	1,001	1,254
Nebraska .....	22.6	24.6	23.8	843	1,294	1,131
North Dakota .....	25.9	22.0	26.5	5,102	4,796	5,671
Oregon .....	33.1	37.6	36.3	195	395	374
Washington <sup>1</sup> .....	41.9	(NA)	(NA)	67	(NA)	(NA)
Wyoming .....	24.5	26.5	27.0	664	678	821
United States .....	26.8	25.9	27.6	26,881	29,783	31,945

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2009.

## Sugarcane Area Harvested, Yield, and Production – States and United States: 2008-2010

State	Area harvested			Yield per acre <sup>1</sup>		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
<b>For sugar</b>						
Florida .....	384.0	370.0	374.0	32.9	35.9	36.7
Hawaii .....	20.4	20.3	15.7	69.7	65.6	76.3
Louisiana .....	380.0	390.0	390.0	28.3	32.2	29.0
Texas .....	37.2	36.7	49.0	35.5	36.0	33.0
United States .....	821.6	817.0	828.7	31.8	34.9	33.6
<b>For seed</b>						
Florida .....	17.0	17.0	18.0	36.5	38.6	37.2
Hawaii .....	2.4	1.9	1.5	30.0	26.3	30.0
Louisiana .....	25.0	35.0	30.0	28.3	32.2	29.0
Texas .....	2.0	3.0	3.0	35.5	35.0	33.0
United States .....	46.4	56.9	52.5	31.7	34.1	32.1
<b>For sugar and seed</b>						
Florida .....	401.0	387.0	392.0	33.1	36.0	36.7
Hawaii .....	22.8	22.2	17.2	65.5	62.3	72.3
Louisiana .....	405.0	425.0	420.0	28.3	32.2	29.0
Texas .....	39.2	39.7	52.0	35.5	35.9	33.0
United States .....	868.0	873.9	881.2	31.8	34.8	33.5
State	Production <sup>1</sup>					
	2008	2009	2010			
	(1,000 tons)	(1,000 tons)	(1,000 tons)			
<b>For sugar</b>						
Florida .....	12,634	13,283	13,726			
Hawaii .....	1,422	1,332	1,198			
Louisiana .....	10,754	12,558	11,310			
Texas .....	1,321	1,321	1,617			
United States .....	26,131	28,494	27,851			
<b>For seed</b>						
Florida .....	621	656	670			
Hawaii .....	72	50	45			
Louisiana .....	708	1,127	870			
Texas .....	71	105	99			
United States .....	1,472	1,938	1,684			
<b>For sugar and seed</b>						
Florida .....	13,255	13,939	14,396			
Hawaii .....	1,494	1,382	1,243			
Louisiana .....	11,462	13,685	12,180			
Texas .....	1,392	1,426	1,716			
United States .....	27,603	30,432	29,535			

<sup>1</sup> Net tons.

**Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2008-2010**

Class and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Large lima</b>						
California .....	15.5	15.9	17.5	15.5	15.3	17.3
<b>Baby lima</b>						
California .....	11.7	15.2	12.2	11.7	14.6	12.2
<b>Navy</b>						
Idaho .....	3.2	3.6	5.4	3.2	3.6	5.4
Michigan .....	62.0	52.0	70.0	60.5	51.1	70.0
Minnesota .....	58.0	48.6	65.2	56.2	45.5	62.0
Nebraska .....	( <sup>1</sup> )	( <sup>1</sup> )	1.2	( <sup>1</sup> )	( <sup>1</sup> )	0.9
North Dakota .....	123.0	86.0	132.0	118.0	82.0	128.0
South Dakota .....	3.4	3.6	3.3	3.3	3.3	3.1
Washington .....	( <sup>1</sup> )	( <sup>1</sup> )	1.4	( <sup>1</sup> )	( <sup>1</sup> )	1.4
Wyoming .....	1.0	1.1	1.0	0.9	1.0	0.9
United States .....	250.6	194.9	279.5	242.1	186.5	271.7
<b>Great northern</b>						
Idaho .....	2.6	4.1	3.9	2.5	4.0	3.9
Nebraska .....	64.3	41.0	67.0	59.7	36.4	58.8
North Dakota .....	6.7	8.0	5.6	6.5	7.2	5.3
Wyoming .....	2.5	0.8	2.0	2.4	0.7	1.9
United States .....	76.1	53.9	78.5	71.1	48.3	69.9
<b>Small white</b>						
Idaho .....	( <sup>1</sup> )	0.6	0.4	( <sup>1</sup> )	0.6	0.4
Oregon .....	( <sup>1</sup> )	1.0	0.9	( <sup>1</sup> )	1.0	0.9
Washington .....	( <sup>1</sup> )	1.5	1.4	( <sup>1</sup> )	1.5	1.4
United States .....	( <sup>1</sup> )	3.1	2.7	( <sup>1</sup> )	3.1	2.7
<b>Pinto</b>						
Arizona <sup>2</sup> .....	(NA)	6.3	6.0	(NA)	6.1	5.9
Colorado .....	36.0	43.0	57.0	34.0	41.0	55.0
Idaho .....	20.5	33.6	41.0	20.2	33.3	40.6
Kansas .....	5.4	7.9	9.0	5.0	7.5	8.8
Michigan .....	1.8	4.0	4.1	1.7	3.9	4.1
Minnesota .....	15.7	19.0	24.9	15.2	18.0	23.8
Montana .....	8.6	9.6	12.5	7.2	9.2	11.8
Nebraska .....	51.2	68.5	83.0	47.3	60.5	78.2
New Mexico .....	8.5	12.5	13.8	8.5	12.4	13.8
North Dakota .....	446.0	439.0	530.0	433.0	419.0	509.0
Oregon .....	0.7	0.8	1.5	0.7	0.8	1.4
South Dakota .....	1.7	2.4	3.5	1.6	2.4	2.6
Utah <sup>3</sup> .....	1.2	(NA)	(NA)	1.2	(NA)	(NA)
Washington .....	7.0	12.1	13.5	7.0	12.1	13.5
Wyoming .....	25.0	31.6	42.9	24.3	28.4	41.2
United States .....	629.3	690.3	842.7	606.9	654.6	809.7

See footnote(s) at end of table.

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**Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2008-2010 (continued)**

Class and State	Yield per acre <sup>4</sup>			Production <sup>4</sup>		
	2008 (pounds)	2009 (pounds)	2010 (pounds)	2008 (1,000 cwt)	2009 (1,000 cwt)	2010 (1,000 cwt)
<b>Large lima</b>						
California .....	2,050	2,610	2,310	317	400	399
<b>Baby lima</b>						
California .....	2,040	2,410	2,490	239	352	304
<b>Navy</b>						
Idaho .....	2,470	2,330	2,460	79	84	133
Michigan .....	1,920	1,910	1,840	1,162	976	1,290
Minnesota .....	2,000	2,000	2,000	1,124	906	1,240
Nebraska .....	( <sup>1</sup> )	( <sup>1</sup> )	2,110	( <sup>1</sup> )	( <sup>1</sup> )	19
North Dakota .....	1,770	1,540	1,530	2,087	1,263	1,958
South Dakota .....	2,100	2,600	2,300	69	86	71
Washington .....	( <sup>1</sup> )	( <sup>1</sup> )	2,710	( <sup>1</sup> )	( <sup>1</sup> )	38
Wyoming .....	2,330	1,740	1,890	21	17	17
United States .....	1,876	1,787	1,754	4,542	3,332	4,766
<b>Great northern</b>						
Idaho .....	2,360	2,350	2,330	59	94	91
Nebraska .....	2,290	2,140	2,020	1,369	779	1,186
North Dakota .....	1,690	1,570	1,530	110	113	81
Wyoming .....	2,500	1,800	2,370	60	13	45
United States .....	2,248	2,068	2,007	1,598	999	1,403
<b>Small white</b>						
Idaho .....	( <sup>1</sup> )	2,170	2,250	( <sup>1</sup> )	13	9
Oregon .....	( <sup>1</sup> )	2,300	2,740	( <sup>1</sup> )	23	25
Washington .....	( <sup>1</sup> )	2,330	2,640	( <sup>1</sup> )	35	37
United States .....	( <sup>1</sup> )	2,290	2,630	( <sup>1</sup> )	71	71
<b>Pinto</b>						
Arizona <sup>2</sup> .....	(NA)	2,300	1,800	(NA)	140	106
Colorado .....	1,460	1,530	1,880	496	628	1,034
Idaho .....	2,300	2,350	2,360	465	783	958
Kansas .....	2,100	2,800	2,600	105	210	229
Michigan .....	1,880	1,620	1,900	32	63	78
Minnesota .....	1,800	1,500	1,300	274	270	309
Montana .....	2,420	2,440	2,330	174	224	275
Nebraska .....	2,270	2,160	2,110	1,075	1,305	1,650
New Mexico .....	2,300	2,220	2,330	196	275	322
North Dakota .....	1,540	1,460	1,480	6,660	6,106	7,534
Oregon .....	2,100	2,410	2,000	15	19	28
South Dakota .....	2,500	2,600	2,400	40	62	62
Utah <sup>3</sup> .....	580	(NA)	(NA)	7	(NA)	(NA)
Washington .....	2,290	2,150	2,440	160	260	330
Wyoming .....	2,300	2,000	2,180	558	569	899
United States .....	1,690	1,667	1,706	10,257	10,914	13,814

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: 2008-2010 (continued)**

Class and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Light red kidney</b>						
California .....	2.0	2.4	1.0	2.0	2.4	1.0
Colorado .....	8.0	9.0	6.0	7.0	8.0	5.0
Idaho .....	1.4	2.1	1.7	1.4	2.1	1.7
Michigan .....	9.5	9.1	9.0	9.3	9.0	9.0
Minnesota .....	14.2	14.0	18.2	13.7	13.2	16.9
Nebraska .....	13.1	13.0	10.7	12.9	11.2	9.4
New York .....	7.2	5.7	5.5	7.0	5.5	5.4
Oregon .....	0.9	1.0	0.5	0.9	1.0	0.5
Washington .....	( <sup>1</sup> )	( <sup>1</sup> )	0.5	( <sup>1</sup> )	( <sup>1</sup> )	0.5
United States .....	56.3	56.3	53.1	54.2	52.4	49.4
<b>Dark red kidney</b>						
California .....	0.6	0.4	0.8	0.6	0.4	0.8
Idaho .....	0.9	2.1	2.0	0.9	2.1	2.0
Michigan .....	2.5	2.0	2.9	2.4	1.9	2.9
Minnesota .....	35.0	36.0	33.5	33.8	33.2	30.8
New York .....	1.7	1.8	1.6	1.7	1.8	1.6
North Dakota .....	1.4	1.5	0.9	1.3	1.2	0.8
Oregon .....	0.4	0.3	0.6	0.4	0.3	0.6
Washington .....	1.8	( <sup>1</sup> )	( <sup>1</sup> )	1.8	( <sup>1</sup> )	( <sup>1</sup> )
Wisconsin <sup>5</sup> .....	6.5	6.4	6.2	6.4	6.4	6.2
United States .....	50.8	50.5	48.5	49.3	47.3	45.7
<b>Pink</b>						
Idaho .....	6.3	6.9	9.9	6.2	6.8	9.9
Minnesota .....	8.6	6.5	6.0	8.4	6.1	5.8
North Dakota .....	12.5	11.0	12.5	12.4	10.9	11.9
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	0.5	( <sup>1</sup> )	( <sup>1</sup> )	0.5
Washington .....	3.2	3.2	4.1	3.2	3.2	4.1
United States .....	30.6	27.6	33.0	30.2	27.0	32.2
<b>Small red</b>						
Idaho .....	9.8	7.2	9.1	9.7	7.1	9.1
Michigan .....	22.4	21.1	9.3	21.8	20.7	9.3
Minnesota .....	1.6	1.6	1.3	1.5	1.5	1.3
North Dakota .....	6.0	2.5	1.2	5.9	2.3	1.1
Washington .....	2.5	2.7	2.0	2.5	2.7	2.0
United States .....	42.3	35.1	22.9	41.4	34.3	22.8
<b>Cranberry</b>						
California .....	1.3	1.0	( <sup>1</sup> )	1.3	1.0	( <sup>1</sup> )
Idaho .....	0.6	0.6	0.6	0.6	0.6	0.6
Michigan .....	7.2	3.9	3.8	7.0	3.8	3.8
United States .....	9.1	5.5	4.4	8.9	5.4	4.4

See footnote(s) at end of table.

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**Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2008-2010 (continued)**

Class and State	Yield per acre <sup>4</sup>			Production <sup>4</sup>		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Light red kidney</b>						
California .....	1,300	1,750	2,000	26	42	20
Colorado .....	1,660	2,000	2,060	116	160	103
Idaho .....	2,360	2,430	2,180	33	51	37
Michigan .....	1,260	1,540	1,700	117	139	153
Minnesota .....	2,000	2,100	2,100	274	277	355
Nebraska .....	2,300	2,020	1,900	297	226	179
New York .....	2,010	930	1,780	141	51	96
Oregon .....	2,100	2,130	1,820	19	21	9
Washington .....	( <sup>1</sup> )	( <sup>1</sup> )	2,800	( <sup>1</sup> )	( <sup>1</sup> )	14
United States .....	1,887	1,845	1,955	1,023	967	966
<b>Dark red kidney</b>						
California .....	1,330	2,250	1,500	8	9	12
Idaho .....	1,890	2,000	2,250	17	42	45
Michigan .....	1,210	1,160	1,100	29	22	32
Minnesota .....	2,100	1,800	1,800	710	593	554
New York .....	2,290	1,720	2,060	39	31	33
North Dakota .....	1,540	1,580	1,880	20	19	15
Oregon .....	2,100	2,330	1,530	8	7	9
Washington .....	1,390	( <sup>1</sup> )	( <sup>1</sup> )	25	( <sup>1</sup> )	( <sup>1</sup> )
Wisconsin <sup>5</sup> .....	2,130	1,980	2,150	136	127	133
United States .....	2,012	1,797	1,823	992	850	833
<b>Pink</b>						
Idaho .....	2,260	2,500	2,230	140	170	221
Minnesota .....	1,700	1,700	1,600	143	104	93
North Dakota .....	1,700	1,380	1,330	211	150	158
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	1,870	( <sup>1</sup> )	( <sup>1</sup> )	9
Washington .....	1,970	2,280	2,560	63	73	105
United States .....	1,844	1,841	1,820	557	497	586
<b>Small red</b>						
Idaho .....	2,220	2,480	2,410	215	176	219
Michigan .....	1,950	1,950	1,860	425	404	173
Minnesota .....	1,950	1,500	1,500	29	23	20
North Dakota .....	1,440	1,520	1,550	85	35	17
Washington .....	2,480	2,410	2,450	62	65	49
United States .....	1,971	2,050	2,096	816	703	478
<b>Cranberry</b>						
California .....	1,620	1,800	( <sup>1</sup> )	21	18	( <sup>1</sup> )
Idaho .....	2,000	1,830	1,500	12	11	9
Michigan .....	1,540	1,450	1,500	108	55	57
United States .....	1,584	1,556	1,500	141	84	66

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: 2008-2010 (continued)**

Class and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Black</b>						
California .....	( <sup>1</sup> )	( <sup>1</sup> )	0.6	( <sup>1</sup> )	( <sup>1</sup> )	0.6
Idaho .....	1.7	3.1	5.2	1.7	3.1	5.0
Michigan .....	91.0	102.0	128.0	89.0	99.1	127.0
Minnesota .....	12.6	20.8	31.2	12.2	19.2	30.0
Nebraska .....	3.1	4.0	5.9	3.0	3.5	5.6
New York .....	7.4	7.7	6.7	7.4	7.6	6.7
North Dakota .....	53.5	46.0	101.0	53.0	43.0	98.0
Oregon .....	0.6	1.2	1.2	0.6	1.2	1.2
Washington .....	2.0	2.6	4.2	2.0	2.6	4.2
United States .....	171.9	187.4	284.0	168.9	179.3	278.3
<b>Blackeye</b>						
Arizona <sup>2</sup> .....	(NA)	2.6	2.0	(NA)	2.6	2.0
California .....	7.1	12.4	13.2	7.1	12.4	13.1
Texas .....	22.2	33.3	19.5	20.2	30.4	17.6
United States .....	29.3	48.3	34.7	27.3	45.4	32.7
<b>Small chickpeas (Garbanzo, smaller than 20/64 inches)</b>						
Idaho .....	4.3	10.5	16.0	4.2	10.4	15.9
Montana .....	0.9	1.9	(D)	0.9	1.9	(D)
North Dakota .....	4.0	2.6	2.0	3.3	2.4	1.9
South Dakota .....	0.9	1.1	(D)	0.9	1.1	(D)
Washington .....	1.6	( <sup>1</sup> )	3.7	1.6	( <sup>1</sup> )	3.7
Other States <sup>6</sup> .....	-	-	3.4	-	-	3.0
United States .....	11.7	16.1	25.1	10.9	15.8	24.5
<b>Large chickpeas (Garbanzo, larger than 20/64 inches)</b>						
California .....	6.4	14.5	11.2	6.3	14.0	11.0
Idaho .....	26.7	22.0	37.0	26.4	21.8	36.7
Montana .....	1.7	0.4	(D)	1.7	0.4	(D)
North Dakota .....	5.3	10.6	14.0	5.1	9.4	13.3
Oregon .....	0.7	0.4	0.6	0.7	0.4	0.6
South Dakota .....	1.5	1.0	(D)	1.5	1.0	(D)
Washington .....	29.5	31.1	51.0	29.5	31.1	51.0
Other States <sup>6</sup> .....	-	-	7.1	-	-	7.0
United States .....	71.8	80.0	120.9	71.2	78.1	119.6

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: 2008-2010 (continued)**

Class and State	Yield per acre <sup>4</sup>			Production <sup>4</sup>		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Black</b>						
California .....	( <sup>1</sup> )	( <sup>1</sup> )	2,000	( <sup>1</sup> )	( <sup>1</sup> )	12
Idaho .....	2,240	2,230	2,180	38	69	109
Michigan .....	1,900	1,790	1,810	1,691	1,770	2,304
Minnesota .....	1,650	1,500	1,400	201	288	420
Nebraska .....	2,300	2,260	2,200	69	79	123
New York .....	1,800	1,280	1,880	133	97	126
North Dakota .....	1,380	1,420	1,480	731	610	1,450
Oregon .....	2,300	2,580	2,400	14	31	29
Washington .....	2,300	2,540	2,100	46	66	88
United States .....	1,731	1,679	1,675	2,923	3,010	4,661
<b>Blackeye</b>						
Arizona <sup>2</sup> .....	(NA)	2,000	1,950	(NA)	52	39
California .....	1,760	2,610	2,530	125	324	331
Texas .....	1,330	1,300	1,220	269	395	215
United States .....	1,443	1,698	1,789	394	771	585
<b>Small chickpeas (Garbanzo, smaller than 20/64 inches)</b>						
Idaho .....	1,070	1,310	1,300	45	136	207
Montana .....	1,350	860	(D)	12	16	(D)
North Dakota .....	1,330	1,500	1,740	44	36	33
South Dakota .....	900	1,300	(D)	8	14	(D)
Washington .....	1,250	( <sup>1</sup> )	1,380	20	( <sup>1</sup> )	51
Other States <sup>6</sup> .....	-	-	1,800	-	-	54
United States .....	1,183	1,278	1,408	129	202	345
<b>Large chickpeas (Garbanzo, larger than 20/64 inches)</b>						
California .....	1,840	2,030	2,460	116	284	271
Idaho .....	1,200	1,280	1,230	317	279	451
Montana .....	320	600	(D)	5	2	(D)
North Dakota .....	1,470	1,680	1,630	75	158	217
Oregon .....	1,300	1,500	1,200	9	6	7
South Dakota .....	1,400	1,300	(D)	21	13	(D)
Washington .....	1,510	1,610	1,100	446	500	560
Other States <sup>6</sup> .....	-	-	1,260	-	-	88
United States .....	1,389	1,590	1,333	989	1,242	1,594

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: 2008-2010 (continued)**

Class and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>All chickpeas (Garbanzo)</b>						
California .....	6.4	14.5	11.2	6.3	14.0	11.0
Idaho .....	31.0	32.5	53.0	30.6	32.2	52.6
Montana .....	2.6	2.3	6.3	2.6	2.3	5.9
North Dakota .....	9.3	13.2	16.0	8.4	11.8	15.2
Oregon .....	0.7	0.4	0.6	0.7	0.4	0.6
South Dakota .....	2.4	2.1	4.2	2.4	2.1	4.1
Washington .....	31.1	31.1	54.7	31.1	31.1	54.7
United States .....	83.5	96.1	146.0	82.1	93.9	144.1
<b>Other</b>						
Arizona <sup>2</sup> .....	(NA)	6.6	5.0	(NA)	6.5	5.0
California .....	7.4	9.2	7.0	7.4	8.9	7.0
Colorado .....	4.0	5.0	7.0	3.0	4.0	6.0
Idaho .....	2.0	3.6	2.8	2.0	3.5	2.8
Kansas .....	0.6	0.6	0.5	0.5	0.5	0.2
Michigan .....	3.6	5.9	8.9	3.3	5.5	8.9
Minnesota .....	4.3	3.5	4.7	4.0	3.3	4.4
Nebraska .....	3.3	3.5	2.2	3.1	3.4	2.1
New Mexico .....	0.8	-	-	0.8	-	-
New York .....	0.7	0.8	1.2	0.7	0.7	1.2
North Dakota .....	1.6	2.8	0.8	1.5	2.6	0.7
Oregon .....	1.5	1.7	1.3	1.4	1.6	1.2
South Dakota .....	1.0	2.2	1.5	1.0	2.1	1.5
Texas .....	1.8	3.7	1.5	1.6	3.3	1.4
Washington .....	2.4	6.8	4.2	2.4	6.8	4.2
Wyoming .....	3.0	4.0	3.1	2.9	3.9	3.0
United States .....	38.0	59.9	51.7	35.6	56.6	49.6
<b>All dry edible beans</b>						
United States .....	1,495.0	1,540.0	1,911.4	1,445.2	1,464.0	1,842.7

See footnote(s) at end of table.

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**Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2008-2010 (continued)**

Class and State	Yield per acre <sup>4</sup>			Production <sup>4</sup>		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>All chickpeas (Garbanzo)</b>						
California .....	1,840	2,030	2,460	116	284	271
Idaho .....	1,180	1,290	1,250	362	415	658
Montana .....	650	780	1,420	17	18	84
North Dakota .....	1,420	1,640	1,640	119	194	250
Oregon .....	1,290	1,500	1,170	9	6	7
South Dakota .....	1,210	1,290	1,410	29	27	58
Washington .....	1,500	1,610	1,120	466	500	611
United States .....	1,362	1,538	1,346	1,118	1,444	1,939
<b>Other</b>						
Arizona <sup>2</sup> .....	(NA)	2,000	1,960	(NA)	130	98
California .....	1,460	1,640	1,610	108	146	113
Colorado .....	1,600	1,500	1,950	48	60	117
Idaho .....	2,100	2,060	2,040	42	72	57
Kansas .....	2,100	2,800	2,600	11	14	5
Michigan .....	1,300	1,470	1,600	43	81	143
Minnesota .....	1,830	1,800	1,600	73	59	71
Nebraska .....	2,420	2,120	1,710	75	72	36
New Mexico .....	2,250	-	-	18	-	-
New York .....	1,570	2,000	2,250	11	14	27
North Dakota .....	1,670	1,380	1,430	25	36	10
Oregon .....	2,080	2,530	2,750	29	40	33
South Dakota .....	1,500	2,700	2,600	15	57	39
Texas .....	875	909	970	14	30	14
Washington .....	2,620	2,070	2,480	63	141	104
Wyoming .....	2,280	2,070	2,100	66	81	63
United States .....	1,801	1,825	1,875	641	1,033	930
<b>All dry edible beans</b>						
United States .....	1,768	1,737	1,726	25,558	25,427	31,801

- Represents zero.

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

(NA) Not available.

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

<sup>2</sup> Estimates began in 2009.

<sup>3</sup> Estimates discontinued in 2009.

<sup>4</sup> Clean basis.

<sup>5</sup> Includes light red kidney to avoid disclosure of individual operations.

<sup>6</sup> Other States include Montana and South Dakota.

**Dry Edible Bean Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona <sup>1</sup> .....	(NA)	15.5	13.0	(NA)	15.2	12.9
California .....	52.0	71.0	63.5	51.9	69.0	63.0
Colorado .....	48.0	57.0	70.0	44.0	53.0	66.0
Idaho .....	80.0	100.0	135.0	79.0	99.0	134.0
Kansas .....	6.0	8.5	9.5	5.5	8.0	9.0
Michigan .....	200.0	200.0	236.0	195.0	195.0	235.0
Minnesota .....	150.0	150.0	185.0	145.0	140.0	175.0
Montana .....	11.2	11.9	18.8	9.8	11.5	17.7
Nebraska .....	135.0	130.0	170.0	126.0	115.0	155.0
New Mexico .....	9.3	12.5	13.8	9.3	12.4	13.8
New York .....	17.0	16.0	15.0	16.8	15.6	14.9
North Dakota .....	660.0	610.0	800.0	640.0	580.0	770.0
Oregon .....	4.8	6.4	7.1	4.7	6.3	6.9
South Dakota .....	8.5	10.3	12.5	8.3	9.9	11.3
Texas .....	24.0	37.0	21.0	21.8	33.7	19.0
Utah <sup>2</sup> .....	1.2	(NA)	(NA)	1.2	(NA)	(NA)
Washington .....	50.0	60.0	86.0	50.0	60.0	86.0
Wisconsin .....	6.5	6.4	6.2	6.4	6.4	6.2
Wyoming .....	31.5	37.5	49.0	30.5	34.0	47.0
United States .....	1,495.0	1,540.0	1,911.4	1,445.2	1,464.0	1,842.7

State	Yield per acre <sup>3</sup>			Production <sup>3</sup>		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Arizona <sup>1</sup> .....	(NA)	2,120	1,880	(NA)	322	243
California .....	1,850	2,280	2,320	960	1,575	1,462
Colorado .....	1,500	1,600	1,900	660	848	1,254
Idaho .....	1,850	2,000	1,900	1,462	1,980	2,546
Kansas .....	2,100	2,800	2,600	116	224	234
Michigan .....	1,850	1,800	1,800	3,607	3,510	4,230
Minnesota .....	1,950	1,800	1,750	2,828	2,520	3,062
Montana .....	1,950	2,100	2,030	191	242	359
Nebraska .....	2,290	2,140	2,060	2,885	2,461	3,193
New Mexico .....	2,300	2,220	2,330	214	275	322
New York .....	1,930	1,240	1,890	324	193	282
North Dakota .....	1,570	1,470	1,490	10,048	8,526	11,473
Oregon .....	2,000	2,330	2,160	94	147	149
South Dakota .....	1,840	2,340	2,040	153	232	230
Texas .....	1,300	1,260	1,210	283	425	229
Utah <sup>2</sup> .....	580	(NA)	(NA)	7	(NA)	(NA)
Washington .....	1,770	1,900	1,600	885	1,140	1,376
Wisconsin .....	2,130	1,980	2,150	136	127	133
Wyoming .....	2,310	2,000	2,180	705	680	1,024
United States .....	1,768	1,737	1,726	25,558	25,427	31,801

- Represents zero.

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

(NA) Not available.

<sup>1</sup> Estimates began in 2009.

<sup>2</sup> Estimates discontinued in 2009.

<sup>3</sup> Clean basis.

### Lentil Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho .....	38.0	53.0	55.0	37.0	52.0	54.0
Montana .....	83.0	122.0	260.0	79.0	116.0	247.0
North Dakota .....	95.0	165.0	265.0	90.0	163.0	255.0
Washington .....	55.0	75.0	78.0	55.0	75.0	78.0
United States .....	271.0	415.0	658.0	261.0	406.0	634.0
State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	950	1,250	950	352	650	513
Montana .....	770	1,380	1,360	608	1,601	3,359
North Dakota .....	920	1,560	1,540	828	2,543	3,927
Washington .....	1,100	1,400	1,100	605	1,050	858
United States .....	917	1,440	1,365	2,393	5,844	8,657

### Wrinkled Seed Pea Production – States and United States: 2008-2010

State	Production		
	2008	2009	2010
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	160	180	190
Washington .....	420	694	390
United States .....	580	874	580

## Dry Edible Peas Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010

[Excludes both wrinkled seed peas and Austrian winter peas]

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho .....	37.0	42.0	31.0	36.0	41.0	30.0
Montana .....	245.0	240.0	220.0	231.0	226.0	207.0
North Dakota .....	520.0	490.0	430.0	500.0	480.0	400.0
Oregon .....	5.5	6.3	7.0	5.3	5.9	6.4
Washington .....	75.0	85.0	68.0	75.0	85.0	68.0
United States .....	882.5	863.3	756.0	847.3	837.9	711.4

  

State	Yield			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	1,500	1,900	1,600	540	779	480
Montana .....	1,080	1,330	2,000	2,495	3,006	4,140
North Dakota .....	1,580	2,400	2,030	7,900	11,520	8,120
Oregon .....	2,550	2,240	2,950	135	132	189
Washington .....	1,600	2,000	1,900	1,200	1,700	1,292
United States .....	1,448	2,045	1,999	12,270	17,137	14,221

## Austrian Winter Pea Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho .....	5.0	8.0	11.0	4.0	6.0	9.0
Montana .....	10.0	10.0	16.0	3.0	6.0	7.0
Oregon .....	2.5	2.5	4.2	1.0	1.7	1.9
United States .....	17.5	20.5	31.2	8.0	13.7	17.9

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho .....	1,400	1,600	1,100	56	96	99
Montana .....	960	930	1,570	29	56	110
Oregon .....	1,850	1,760	1,460	19	30	28
United States .....	1,300	1,328	1,666	104	182	237



**Potato Area Planted and Harvested, Yield, and Production by Seasonal Group – States and United States: 2008-2010**

Seasonal group and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Winter</b>						
California <sup>1</sup> .....	11.0	9.0	(NA)	11.0	8.7	(NA)
<b>Spring</b>						
Arizona .....	3.5	4.0	3.7	3.5	4.0	3.7
California <sup>1</sup> .....	15.4	17.8	27.1	15.4	17.5	27.0
Florida .....	28.5	32.6	33.2	27.9	28.9	31.8
Hastings area .....	17.4	20.0	21.5	17.0	16.5	20.3
Other areas .....	11.1	12.6	11.7	10.9	12.4	11.5
North Carolina .....	14.5	16.0	16.0	14.0	15.0	15.0
Texas .....	8.4	8.8	8.8	8.0	8.3	8.4
United States .....	70.3	79.2	88.8	68.8	73.7	85.9
State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Winter</b>						
California <sup>1</sup> .....	230	245	(NA)	2,530	2,132	(NA)
<b>Spring</b>						
Arizona .....	300	280	280	1,050	1,120	1,036
California <sup>1</sup> .....	450	410	405	6,930	7,175	10,935
Florida .....	285	266	250	7,952	7,700	7,950
Hastings area .....	285	260	250	4,845	4,290	5,075
Other areas .....	285	275	250	3,107	3,410	2,875
North Carolina .....	180	225	195	2,520	3,375	2,925
Texas .....	210	235	235	1,680	1,951	1,974
United States .....	293	289	289	20,132	21,321	24,820

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: 2008-2010 (continued)**

Seasonal group and State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Summer</b>						
Alabama <sup>2</sup> .....	1.3	(NA)	(NA)	1.2	(NA)	(NA)
California <sup>1</sup> .....	3.6	3.4	(NA)	3.6	3.4	(NA)
Colorado .....	4.6	4.0	4.1	4.4	3.9	4.0
Delaware .....	1.7	1.7	1.6	1.7	1.6	1.6
Illinois .....	5.5	5.4	5.8	5.3	5.2	5.6
Kansas .....	5.0	5.0	4.5	4.8	4.8	4.4
Maryland .....	2.5	2.4	2.1	2.5	2.3	2.1
Missouri .....	7.2	7.3	7.3	6.5	7.1	7.2
New Jersey .....	2.0	2.1	2.1	2.0	2.1	2.1
Texas .....	8.0	5.9	4.8	7.4	5.4	4.5
Virginia .....	5.8	6.0	5.8	5.7	5.9	5.6
United States .....	47.2	43.2	38.1	45.1	41.7	37.1
<b>Fall</b>						
California .....	8.4	8.0	6.0	8.4	8.0	6.0
Colorado .....	57.0	56.0	55.5	56.9	55.2	55.2
Idaho .....	305.0	320.0	295.0	304.0	319.0	294.0
10 Southwest counties .....	15.0	19.0	16.0	15.0	19.0	16.0
All other counties .....	290.0	301.0	279.0	289.0	300.0	278.0
Maine .....	56.0	56.0	55.0	54.7	55.5	54.8
Massachusetts .....	2.8	3.5	3.8	2.7	3.4	3.8
Michigan .....	43.0	45.0	44.0	42.5	43.5	43.5
Minnesota .....	50.0	47.0	45.0	48.0	45.0	42.0
Montana .....	10.9	11.2	11.5	10.5	9.7	11.3
Nebraska .....	19.5	20.0	19.0	19.4	19.9	18.6
Nevada .....	5.8	5.1	7.2	5.8	5.1	7.2
New Mexico .....	5.9	6.5	6.2	5.9	6.4	6.2
New York .....	18.0	17.1	16.2	17.8	16.5	16.0
North Dakota .....	82.0	83.0	84.0	81.0	75.0	80.0
Ohio .....	2.5	2.3	2.2	2.1	2.1	2.1
Oregon .....	35.3	37.0	35.5	35.3	37.0	35.5
Malheur area <sup>2</sup> .....	2.8	(NA)	(NA)	2.8	(NA)	(NA)
All other counties <sup>2</sup> .....	32.5	(NA)	(NA)	32.5	(NA)	(NA)
Pennsylvania .....	10.0	10.0	9.5	9.5	9.5	9.0
Rhode Island .....	0.5	0.5	0.6	0.5	0.4	0.6
Washington .....	155.0	145.0	135.0	155.0	143.0	134.0
Wisconsin .....	63.5	63.5	62.5	62.0	63.0	61.5
United States .....	931.1	936.7	893.7	922.0	917.2	881.3
<b>All</b>						
United States .....	1,059.6	1,068.1	1,020.6	1,046.9	1,041.3	1,004.3

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: 2008-2010 (continued)**

Seasonal group and State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Summer</b>						
Alabama <sup>2</sup> .....	170	(NA)	(NA)	204	(NA)	(NA)
California <sup>1</sup> .....	360	405	(NA)	1,296	1,377	(NA)
Colorado .....	370	410	390	1,628	1,599	1,560
Delaware .....	250	300	275	425	480	440
Illinois .....	395	385	350	2,094	2,002	1,960
Kansas .....	320	360	335	1,536	1,728	1,474
Maryland .....	300	320	340	750	736	714
Missouri .....	190	275	300	1,235	1,953	2,160
New Jersey .....	230	260	245	460	546	515
Texas .....	395	460	390	2,923	2,484	1,755
Virginia .....	220	240	170	1,254	1,416	952
United States .....	306	343	311	13,805	14,321	11,530
<b>Fall</b>						
California .....	470	495	380	3,948	3,960	2,280
Colorado .....	385	400	390	21,907	22,080	21,528
Idaho .....	383	415	389	116,475	132,500	114,440
10 Southwest counties .....	540	500	550	8,100	9,500	8,800
All other counties .....	375	410	380	108,375	123,000	105,640
Maine .....	270	275	290	14,769	15,263	15,892
Massachusetts .....	260	260	285	702	884	1,083
Michigan .....	350	360	360	14,875	15,660	15,660
Minnesota .....	425	460	405	20,400	20,700	17,010
Montana .....	330	340	325	3,465	3,298	3,673
Nebraska .....	425	440	415	8,245	8,756	7,719
Nevada .....	410	470	385	2,378	2,397	2,772
New Mexico .....	390	400	400	2,301	2,560	2,480
New York .....	320	300	320	5,696	4,950	5,120
North Dakota .....	280	255	275	22,680	19,125	22,000
Ohio .....	325	335	290	683	704	609
Oregon .....	529	580	565	18,676	21,460	20,058
Malheur area <sup>2</sup> .....	460	(NA)	(NA)	1,288	(NA)	(NA)
All other counties <sup>2</sup> .....	535	(NA)	(NA)	17,388	(NA)	(NA)
Pennsylvania .....	265	310	245	2,518	2,945	2,205
Rhode Island .....	280	230	275	140	92	165
Washington .....	600	610	610	93,000	87,230	81,740
Wisconsin .....	415	460	395	25,730	28,980	24,293
United States .....	411	429	409	378,588	393,544	360,727
<b>All</b>						
United States .....	396	414	395	415,055	431,318	397,077

(NA) Not available.

<sup>1</sup> Beginning in 2010, winter and summer estimates included in spring total for California.

<sup>2</sup> Estimates discontinued in 2009.

**Potato Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama <sup>1</sup> .....	1.3	(NA)	(NA)	1.2	(NA)	(NA)
Arizona .....	3.5	4.0	3.7	3.5	4.0	3.7
California .....	38.4	38.2	33.1	38.4	37.6	33.0
Colorado .....	61.6	60.0	59.6	61.3	59.1	59.2
Delaware .....	1.7	1.7	1.6	1.7	1.6	1.6
Florida .....	28.5	32.6	33.2	27.9	28.9	31.8
Idaho .....	305.0	320.0	295.0	304.0	319.0	294.0
Illinois .....	5.5	5.4	5.8	5.3	5.2	5.6
Kansas .....	5.0	5.0	4.5	4.8	4.8	4.4
Maine .....	56.0	56.0	55.0	54.7	55.5	54.8
Maryland .....	2.5	2.4	2.1	2.5	2.3	2.1
Massachusetts .....	2.8	3.5	3.8	2.7	3.4	3.8
Michigan .....	43.0	45.0	44.0	42.5	43.5	43.5
Minnesota .....	50.0	47.0	45.0	48.0	45.0	42.0
Missouri .....	7.2	7.3	7.3	6.5	7.1	7.2
Montana .....	10.9	11.2	11.5	10.5	9.7	11.3
Nebraska .....	19.5	20.0	19.0	19.4	19.9	18.6
Nevada .....	5.8	5.1	7.2	5.8	5.1	7.2
New Jersey .....	2.0	2.1	2.1	2.0	2.1	2.1
New Mexico .....	5.9	6.5	6.2	5.9	6.4	6.2
New York .....	18.0	17.1	16.2	17.8	16.5	16.0
North Carolina .....	14.5	16.0	16.0	14.0	15.0	15.0
North Dakota .....	82.0	83.0	84.0	81.0	75.0	80.0
Ohio .....	2.5	2.3	2.2	2.1	2.1	2.1
Oregon .....	35.3	37.0	35.5	35.3	37.0	35.5
Pennsylvania .....	10.0	10.0	9.5	9.5	9.5	9.0
Rhode Island .....	0.5	0.5	0.6	0.5	0.4	0.6
Texas .....	16.4	14.7	13.6	15.4	13.7	12.9
Virginia .....	5.8	6.0	5.8	5.7	5.9	5.6
Washington .....	155.0	145.0	135.0	155.0	143.0	134.0
Wisconsin .....	63.5	63.5	62.5	62.0	63.0	61.5
United States .....	1,059.6	1,068.1	1,020.6	1,046.9	1,041.3	1,004.3

See footnote(s) at end of table.

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**Potato Area Planted and Harvested, Yield, and Production – States and United States:  
2008-2010 (continued)**

State	Yield per acre <sup>2</sup>			Production		
	2008 (cwt)	2009 (cwt)	2010 (cwt)	2008 (1,000 cwt)	2009 (1,000 cwt)	2010 (1,000 cwt)
Alabama <sup>1</sup> .....	170	(NA)	(NA)	204	(NA)	(NA)
Arizona .....	300	280	280	1,050	1,120	1,036
California .....	383	389	400	14,704	14,644	13,215
Colorado .....	384	401	390	23,535	23,679	23,088
Delaware .....	250	300	275	425	480	440
Florida .....	285	266	250	7,952	7,700	7,950
Idaho .....	383	415	389	116,475	132,500	114,440
Illinois .....	395	385	350	2,094	2,002	1,960
Kansas .....	320	360	335	1,536	1,728	1,474
Maine .....	270	275	290	14,769	15,263	15,892
Maryland .....	300	320	340	750	736	714
Massachusetts .....	260	260	285	702	884	1,083
Michigan .....	350	360	360	14,875	15,660	15,660
Minnesota .....	425	460	405	20,400	20,700	17,010
Missouri .....	190	275	300	1,235	1,953	2,160
Montana .....	330	340	325	3,465	3,298	3,673
Nebraska .....	425	440	415	8,245	8,756	7,719
Nevada .....	410	470	385	2,378	2,397	2,772
New Jersey .....	230	260	245	460	546	515
New Mexico .....	390	400	400	2,301	2,560	2,480
New York .....	320	300	320	5,696	4,950	5,120
North Carolina .....	180	225	195	2,520	3,375	2,925
North Dakota .....	280	255	275	22,680	19,125	22,000
Ohio .....	325	335	290	683	704	609
Oregon .....	529	580	565	18,676	21,460	20,058
Pennsylvania .....	265	310	245	2,518	2,945	2,205
Rhode Island .....	280	230	275	140	92	165
Texas .....	299	324	289	4,603	4,435	3,729
Virginia .....	220	240	170	1,254	1,416	952
Washington .....	600	610	610	93,000	87,230	81,740
Wisconsin .....	415	460	395	25,730	28,980	24,293
United States .....	396	414	395	415,055	431,318	397,077

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2009.

<sup>2</sup> Derived.

**Sweet Potato Area Planted and Harvested, Yield, and Production – States and United States: 2008-2010**

State	Area planted			Area harvested		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama .....	2.6	2.6	3.3	2.5	2.3	3.2
Arkansas <sup>1</sup> .....	(NA)	3.0	3.1	(NA)	2.5	3.0
California .....	14.8	17.4	18.0	14.8	17.4	18.0
Florida <sup>1</sup> .....	(NA)	3.3	3.5	(NA)	3.2	3.4
Louisiana .....	15.0	14.0	13.5	11.0	12.0	13.0
Mississippi .....	20.0	20.0	21.0	19.5	11.0	20.0
New Jersey .....	1.2	1.2	1.3	1.2	1.2	1.3
North Carolina .....	47.0	47.0	55.0	46.0	46.0	54.0
South Carolina <sup>2</sup> .....	0.6	(NA)	(NA)	0.5	(NA)	(NA)
Texas .....	1.7	1.4	1.1	1.5	1.3	1.0
Virginia <sup>2</sup> .....	0.3	(NA)	(NA)	0.3	(NA)	(NA)
United States .....	103.2	109.9	119.8	97.3	96.9	116.9

  

State	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Alabama .....	175	170	150	438	391	480
Arkansas <sup>1</sup> .....	(NA)	185	160	(NA)	463	480
California .....	295	340	355	4,366	5,916	6,390
Florida <sup>1</sup> .....	(NA)	110	130	(NA)	352	442
Louisiana .....	100	135	190	1,100	1,620	2,470
Mississippi .....	172	115	180	3,354	1,265	3,600
New Jersey .....	125	110	110	150	132	143
North Carolina .....	190	200	180	8,740	9,200	9,720
South Carolina <sup>2</sup> .....	110	(NA)	(NA)	55	(NA)	(NA)
Texas .....	140	100	120	210	130	120
Virginia <sup>2</sup> .....	100	(NA)	(NA)	30	(NA)	(NA)
United States .....	190	201	204	18,443	19,469	23,845

(NA) Not available.

<sup>1</sup> Estimates began in 2009.

<sup>2</sup> Estimates discontinued in 2009.

**Mint for Oil Area Harvested, Yield, and Production by Crop – States and United States: 2008-2010**

Crop and State	Area harvested			Yield per acre		
	2008	2009	2010	2008	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)
<b>Peppermint</b>						
California <sup>1</sup> .....	(NA)	4.0	3.7	(NA)	90	85
Idaho .....	14.0	16.3	15.5	100	100	100
Indiana .....	6.5	8.0	10.0	45	54	60
Michigan .....	0.8	0.6	0.7	45	60	61
Oregon .....	19.0	21.0	21.5	88	86	88
Washington .....	16.0	16.5	16.0	120	117	110
Wisconsin .....	3.7	3.4	3.9	48	54	52
United States .....	60.0	69.8	71.3	92	91	89
<b>Spearmint</b>						
Idaho .....	1.2	1.2	1.0	135	120	115
Indiana .....	1.4	1.5	1.8	58	57	78
Michigan .....	1.5	1.6	1.6	60	65	70
Oregon .....	2.0	1.9	1.5	120	140	130
Washington .....	13.3	13.8	12.1	135	150	143
Native .....	8.2	8.5	7.7	141	155	137
Scotch .....	5.1	5.3	4.4	125	142	153
Wisconsin .....	1.0	0.5	0.6	30	56	43
United States .....	20.4	20.5	18.6	118	132	125
<b>Production</b>						
State	2008		2009		2010	
	(1,000 pounds)		(1,000 pounds)		(1,000 pounds)	
<b>Peppermint</b>						
California <sup>1</sup> .....	(NA)		360		315	
Idaho .....	1,400		1,630		1,550	
Indiana .....	293		432		600	
Michigan .....	36		36		43	
Oregon .....	1,672		1,806		1,892	
Washington .....	1,920		1,931		1,760	
Wisconsin .....	178		184		203	
United States .....	5,499		6,379		6,363	
<b>Spearmint</b>						
Idaho .....	162		144		115	
Indiana .....	81		86		140	
Michigan .....	90		104		112	
Oregon .....	240		266		195	
Washington .....	1,796		2,070		1,730	
Native .....	1,158		1,318		1,055	
Scotch .....	638		752		675	
Wisconsin .....	30		28		26	
United States .....	2,399		2,698		2,318	

(NA) Not available.

<sup>1</sup> Estimates began in 2009.

## Hop Area Harvested, Yield, and Production by Variety – States and United States: 2008-2010

State and variety	Area harvested			Yield per acre		
	2008	2009	2010	2008	2009	2010
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
<b>Idaho</b> <sup>1</sup> .....	3,933	4,030	2,331	1,841	1,943	2,129
<b>Oregon</b>						
Cascade .....	76	152	122	1,068	1,741	1,680
Golding .....	135	(D)	(D)	1,307	(D)	(D)
Millennium .....	343	344	(D)	2,179	2,552	(D)
Mt. Hood .....	186	158	188	1,552	1,671	1,640
Nugget .....	2,135	1,773	1,356	1,758	2,548	2,119
Sterling .....	95	101	87	1,667	1,684	1,644
Super Galena <sup>R</sup> .....	(D)	177	134	(D)	2,563	2,421
Willamette .....	2,593	2,469	1,452	1,539	1,561	1,535
Other varieties <sup>2</sup> .....	807	934	1,283	995	1,601	1,711
<b>Total</b> .....	<b>6,370</b>	<b>6,108</b>	<b>4,622</b>	<b>1,569</b>	<b>1,948</b>	<b>1,791</b>
<b>Washington</b>						
Apollo <sup>R</sup> .....	698	747	827	2,229	2,941	2,778
Bravo <sup>R</sup> .....	222	335	414	2,340	2,397	2,566
Cascade .....	2,073	2,019	1,728	1,781	2,120	1,905
Centennial .....	253	298	357	1,452	1,490	1,791
Chelan .....	739	762	(D)	2,178	2,680	(D)
Chinook .....	285	384	443	1,775	1,819	1,963
Citra <sup>TM</sup> .....	(D)	98	113	(D)	836	1,930
Cluster .....	420	501	392	2,038	2,370	2,060
Columbus/Tomahawk <sup>R</sup> .....	4,891	4,858	3,401	2,585	2,790	2,350
Galena .....	2,584	2,412	1,920	1,826	1,852	1,810
Glacier .....	56	70	61	1,795	2,093	1,943
Golding .....	38	42	(D)	1,385	826	(D)
Millennium .....	716	557	555	2,440	2,465	2,185
Mt. Hood .....	29	96	62	1,572	1,570	1,211
Northern Brewer .....	(D)	92	94	(D)	753	1,270
Nugget .....	1,086	1,028	829	2,068	2,060	1,808
Simcoe .....	129	183	237	1,758	2,137	1,698
Super Galena <sup>R</sup> .....	793	839	886	2,104	3,186	2,622
Willamette .....	4,664	2,719	1,734	1,351	1,455	1,350
YCR-4(Palisade <sup>R</sup> ) .....	307	351	373	2,091	2,756	2,431
YCR-5(Warrior <sup>R</sup> ) .....	394	301	296	1,846	2,110	1,778
Zeus .....	6,779	6,544	4,440	2,618	3,387	2,678
Other varieties <sup>2</sup> .....	3,439	4,352	5,174	1,576	2,417	1,968
<b>Total</b> .....	<b>30,595</b>	<b>29,588</b>	<b>24,336</b>	<b>2,072</b>	<b>2,533</b>	<b>2,147</b>
<b>United States</b> <sup>3</sup> .....	<b>40,898</b>	<b>39,726</b>	<b>31,289</b>	<b>1,971</b>	<b>2,383</b>	<b>2,093</b>

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:  
2008-2010 (continued)**

State and variety	Production		
	2008 (1,000 pounds)	2009 (1,000 pounds)	2010 (1,000 pounds)
<b>Idaho</b> <sup>1</sup> .....	7,239.8	7,829.1	4,962.6
<b>Oregon</b> .....			
Cascade .....	81.2	264.6	205.0
Golding .....	176.4	(D)	(D)
Millennium .....	747.4	877.9	(D)
Mt. Hood .....	288.6	264.0	308.3
Nugget .....	3,753.2	4,517.1	2,873.2
Sterling .....	158.4	170.1	143.0
Super Galena <sup>R</sup> .....	(D)	453.7	324.4
Willamette .....	3,989.6	3,853.9	2,228.3
Other varieties <sup>2</sup> .....	802.8	1,495.4	2,195.4
Total .....	9,997.6	11,896.7	8,277.6
<b>Washington</b> .....			
Apollo <sup>R</sup> .....	1,555.8	2,196.9	2,297.4
Bravo <sup>R</sup> .....	519.5	803.0	1,062.3
Cascade .....	3,692.0	4,280.3	3,291.8
Centennial .....	367.4	444.0	639.4
Chelan .....	1,609.5	2,042.2	(D)
Chinook .....	505.9	698.5	869.6
Citra <sup>TM</sup> .....	(D)	81.9	218.1
Cluster .....	856.0	1,187.4	807.5
Columbus/Tomahawk <sup>R</sup> .....	12,643.2	13,553.8	7,992.4
Galena .....	4,718.4	4,467.0	3,475.2
Glacier .....	100.5	146.5	118.5
Golding .....	52.6	34.7	(D)
Millennium .....	1,747.0	1,373.0	1,212.7
Mt. Hood .....	45.6	150.7	75.1
Northern Brewer .....	(D)	69.3	119.4
Nugget .....	2,245.8	2,117.7	1,498.8
Simcoe .....	226.8	391.1	402.4
Super Galena <sup>R</sup> .....	1,668.5	2,673.1	2,323.1
Willamette .....	6,301.1	3,956.1	2,340.9
YCR-4(Palisade <sup>R</sup> ) .....	641.9	967.4	906.8
YCR-5(Warrior <sup>R</sup> ) .....	727.3	635.1	526.3
Zeus .....	17,747.4	22,164.5	11,890.3
Other varieties <sup>2</sup> .....	5,420.5	10,517.9	10,184.4
Total .....	63,392.7	74,952.1	52,252.4
<b>United States</b> <sup>3</sup> .....	80,630.1	94,677.9	65,492.6

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

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

<sup>1</sup> Only State totals published for Idaho to avoid disclosure of individual operations.

<sup>2</sup> Includes data withheld to avoid disclosure of individual operations and varieties not listed.

<sup>3</sup> Strung acreage left unharvested in 2009 totaled 1,030 acres. Production that was reported as destroyed after harvest is included in the total for 2009, however the destroyed amount is not published separately to avoid disclosure of individual operations.

## Maple Syrup Taps, Yield, and Production – States and United States: 2008-2010

[Estimates for 2010 are carried forward from the June 2010 Crop Production. Any revisions will appear in the June 2011 Crop Production]

State	Number of taps			Yield per tap			Production		
	2008	2009	2010	2008	2009	2010	2008	2009	2010
	(1,000 taps)	(1,000 taps)	(1,000 taps)	(gallons)	(gallons)	(gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Connecticut .....	75	71	75	0.253	0.183	0.120	19	13	9
Maine .....	1,440	1,470	1,430	0.167	0.269	0.217	240	395	310
Massachusetts .....	250	230	250	0.260	0.200	0.116	65	46	29
Michigan .....	405	450	490	0.259	0.256	0.167	105	115	82
New Hampshire .....	395	385	420	0.241	0.244	0.207	95	94	87
New York .....	1,445	1,830	1,903	0.227	0.240	0.164	328	439	312
Ohio .....	350	375	385	0.286	0.240	0.169	100	90	65
Pennsylvania .....	475	464	465	0.211	0.198	0.116	100	92	54
Vermont .....	2,870	3,030	3,200	0.247	0.304	0.278	710	920	890
Wisconsin .....	620	670	650	0.242	0.299	0.180	150	200	117
United States .....	8,325	8,975	9,268	0.230	0.268	0.211	1,912	2,404	1,955

## Coffee Area Harvested, Yield, and Production – Hawaii and Puerto Rico: 2008-2009, 2009-2010, and 2010-2011

State	Area harvested			Yield per acre			Production <sup>1</sup>		
	2008-2009	2009-2010	2010-2011	2008-2009	2009-2010	2010-2011	2008-2009	2009-2010	2010-2011
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii .....	6,300	6,300	6,300	1,380	1,380	1,250	8,700	8,700	7,900
Puerto Rico .....	33,000	38,000	38,000	405	240	240	13,300	9,000	9,000

<sup>1</sup> Parchment basis.

## Taro Area in Crop and Production – Hawaii: 2008-2010

[Area is total acres in crop, not harvested acreage. Yield is not estimated]

State	Area in crop			Yield per acre			Production		
	2008	2009	2010	2008	2009	2010	2008	2009	2010
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii .....	390	445	475	(NA)	(NA)	(NA)	4,300	4,000	3,900

(NA) Not available.

## Alaska Area Planted and Harvested, Yield, and Production: 2008-2010

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

State	Area planted for all purposes			Area harvested		
	2008	2009	2010	2008	2009	2010
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Barley .....	4,100	4,800	4,400	3,400	4,400	4,200
Hay, all .....	(NA)	(NA)	(NA)	18,000	20,000	20,000
Oats .....	1,700	1,700	1,900	500	900	800
Potatoes .....	800	780	760	780	740	750
	Yield per acre			Production		
	2008	2009	2010	2008	2009	2010
Barley ..... bushels	29.1	41.6	44.0	99,000	183,000	185,000
Hay, all ..... tons	1.11	1.15	1.20	20,000	23,000	24,000
Oats .....bushels	26.0	41.1	60.0	13,000	37,000	48,000
Potatoes .....cwt	173	185	200	135,000	137,000	150,000

(NA) Not available.

## Crop Area Planted and Harvested – United States: 2009-2010 (Domestic Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2010 crop year]

Crop	Area planted		Area harvested	
	2009	2010	2009	2010
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Grains and hay</b>				
Barley .....	3,567	2,872	3,113	2,465
Corn for grain <sup>1</sup> .....	86,382	88,192	79,490	81,446
Corn for silage .....	(NA)	(NA)	5,605	5,567
Hay, all .....	(NA)	(NA)	59,775	59,862
Alfalfa .....	(NA)	(NA)	21,247	19,956
All other .....	(NA)	(NA)	38,528	39,906
Oats .....	3,404	3,138	1,379	1,263
Proso millet .....	350	390	265	363
Rice .....	3,135	3,636	3,103	3,615
Rye .....	1,241	1,211	252	265
Sorghum for grain <sup>1</sup> .....	6,633	5,404	5,520	4,808
Sorghum for silage .....	(NA)	(NA)	254	273
Wheat, all .....	59,168	53,603	49,893	47,637
Winter .....	43,346	37,335	34,510	31,749
Durum .....	2,554	2,570	2,428	2,529
Other spring .....	13,268	13,698	12,955	13,359
<b>Oilseeds</b>				
Canola .....	827.0	1,448.8	814.0	1,431.0
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	317	421	314	418
Mustard seed .....	51.5	50.5	49.8	48.1
Peanuts .....	1,116.0	1,288.0	1,079.0	1,255.0
Rapeseed .....	1.0	2.3	0.9	2.2
Safflower .....	175.0	175.0	165.5	167.7
Soybeans for beans .....	77,451	77,404	76,372	76,616
Sunflower .....	2,030.0	1,951.5	1,953.5	1,873.8
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all .....	9,149.5	10,973.2	7,528.7	10,706.7
Upland .....	9,008.1	10,769.0	7,390.5	10,505.0
American Pima .....	141.4	204.2	138.2	201.7
Sugarbeets .....	1,185.8	1,171.4	1,148.5	1,155.7
Sugarcane .....	(NA)	(NA)	873.9	881.2
Tobacco .....	(NA)	(NA)	354.0	337.5
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	20.5	31.2	13.7	17.9
Dry edible beans .....	1,540.0	1,911.4	1,464.0	1,842.7
Dry edible peas .....	863.3	756.0	837.9	711.4
Lentils .....	415.0	658.0	406.0	634.0
Wrinkled seed peas .....	(NA)	(NA)	(NA)	(NA)
<b>Potatoes and miscellaneous</b>				
Coffee (Hawaii) .....	(NA)	(NA)	6.3	6.3
Hops .....	(NA)	(NA)	39.7	31.3
Peppermint oil .....	(NA)	(NA)	69.8	71.3
Potatoes, all .....	1,068.1	1,020.6	1,041.3	1,004.3
Winter .....	9.0	(NA)	8.7	(NA)
Spring .....	79.2	88.8	73.7	85.9
Summer .....	43.2	38.1	41.7	37.1
Fall .....	936.7	893.7	917.2	881.3
Spearmint oil .....	(NA)	(NA)	20.5	18.6
Sweet potatoes .....	109.9	119.8	96.9	116.9
Taro (Hawaii) <sup>2</sup> .....	(NA)	(NA)	0.4	0.5

(NA) Not available.

(X) Not applicable.

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

<sup>2</sup> Area is total acres in crop, not harvested acreage.

## Crop Yield and Production – United States: 2009-2010 (Domestic Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2010 crop year]

Crop	Yield per acre		Production		
	2009	2010	2009 (1,000)	2010 (1,000)	
<b>Grains and hay</b>					
Barley .....	bushels	73.0	73.1	227,323	180,268
Corn for grain .....	bushels	164.7	152.8	13,091,862	12,446,865
Corn for silage .....	tons	19.3	19.3	108,209	107,314
Hay, all .....	tons	2.47	2.43	147,700	145,556
Alfalfa .....	tons	3.35	3.40	71,072	67,903
All other .....	tons	1.99	1.95	76,628	77,653
Oats .....	bushels	67.5	64.3	93,081	81,190
Proso millet .....	bushels	33.5	31.8	8,875	11,535
Rice <sup>1</sup> .....	cwt	7,085	6,725	219,850	243,104
Rye .....	bushels	27.8	28.0	6,993	7,431
Sorghum for grain .....	bushels	69.4	71.8	382,983	345,395
Sorghum for silage .....	tons	14.5	12.5	3,680	3,420
Wheat, all .....	bushels	44.5	46.4	2,218,061	2,208,391
Winter .....	bushels	44.2	46.8	1,524,608	1,485,236
Durum .....	bushels	44.9	42.4	109,042	107,180
Other spring .....	bushels	45.1	46.1	584,411	615,975
<b>Oilseeds</b>					
Canola .....	pounds	1,811	1,713	1,474,130	2,450,947
Cottonseed .....	tons	(X)	(X)	4,148.8	6,191.0
Flaxseed .....	bushels	23.6	21.7	7,423	9,056
Mustard seed .....	pounds	991	870	49,364	41,861
Peanuts .....	pounds	3,421	3,311	3,691,650	4,155,600
Rapeseed .....	pounds	1,700	1,891	1,530	4,160
Safflower .....	pounds	1,462	1,320	241,970	221,335
Soybeans for beans .....	bushels	44.0	43.5	3,359,011	3,329,341
Sunflower .....	pounds	1,554	1,460	3,036,460	2,735,570
<b>Cotton, tobacco, and sugar crops</b>					
Cotton, all <sup>1</sup> .....	bales	777	821	12,187.5	18,314.5
Upland <sup>1</sup> .....	bales	766	814	11,787.6	17,817.0
American Pima <sup>1</sup> .....	bales	1,389	1,184	399.9	497.5
Sugarbeets .....	tons	25.9	27.6	29,783	31,945
Sugarcane .....	tons	34.8	33.5	30,432	29,535
Tobacco .....	pounds	2,323	2,133	822,581	719,786
<b>Dry beans, peas, and lentils</b>					
Austrian winter peas <sup>1</sup> .....	cwt	1,328	1,666	182	237
Dry edible beans <sup>1</sup> .....	cwt	1,737	1,726	25,427	31,801
Dry edible peas <sup>1</sup> .....	cwt	2,045	1,999	17,137	14,221
Lentils <sup>1</sup> .....	cwt	1,440	1,365	5,844	8,657
Wrinkled seed peas .....	cwt	(NA)	(NA)	874	580
<b>Potatoes and miscellaneous</b>					
Coffee (Hawaii) .....	pounds	1,380	1,250	8,700	7,900
Hops .....	pounds	2,383	2,093	94,677.9	65,492.6
Peppermint oil .....	pounds	91	89	6,379	6,363
Potatoes, all .....	cwt	414	395	431,318	397,077
Winter .....	cwt	245	(NA)	2,132	(NA)
Spring .....	cwt	289	289	21,321	24,820
Summer .....	cwt	343	311	14,321	11,530
Fall .....	cwt	429	409	393,544	360,727
Spearmint oil .....	pounds	132	125	2,698	2,318
Sweet potatoes .....	cwt	201	204	19,469	23,845
Taro (Hawaii) .....	pounds	(NA)	(NA)	4,000	3,900

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Yield in pounds.

## Crop Area Planted and Harvested – United States: 2009-2010 (Metrics Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2010 crop year]

Crop	Area planted		Area harvested	
	2009 (hectares)	2010 (hectares)	2009 (hectares)	2010 (hectares)
<b>Grains and hay</b>				
Barley .....	1,443,530	1,162,270	1,259,800	997,560
Corn for grain <sup>1</sup> .....	34,957,930	35,690,420	32,168,810	32,960,380
Corn for silage .....	(NA)	(NA)	2,268,290	2,252,910
Hay, all <sup>2</sup> .....	(NA)	(NA)	24,190,340	24,225,550
Alfalfa .....	(NA)	(NA)	8,598,450	8,075,990
All other .....	(NA)	(NA)	15,591,900	16,149,560
Oats .....	1,377,560	1,269,920	558,070	511,120
Proso millet .....	141,640	157,830	107,240	146,900
Rice .....	1,268,700	1,471,450	1,255,750	1,462,950
Rye .....	502,220	490,080	101,980	107,240
Sorghum for grain <sup>1</sup> .....	2,684,310	2,186,940	2,233,890	1,945,750
Sorghum for silage .....	(NA)	(NA)	102,790	110,480
Wheat, all <sup>2</sup> .....	23,944,700	21,692,600	20,191,200	19,278,220
Winter .....	17,541,690	15,109,100	13,965,850	12,848,500
Durum .....	1,033,580	1,040,050	982,590	1,023,460
Other spring .....	5,369,430	5,543,440	5,242,760	5,406,250
<b>Oilseeds</b>				
Canola .....	334,680	586,310	329,420	579,110
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	128,290	170,370	127,070	169,160
Mustard seed .....	20,840	20,440	20,150	19,470
Peanuts .....	451,630	521,240	436,660	507,890
Rapeseed .....	400	930	360	890
Safflower .....	70,820	70,820	66,980	67,870
Soybeans for beans .....	31,343,650	31,324,620	30,906,980	31,005,730
Sunflower .....	821,520	789,750	790,560	758,310
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	3,702,710	4,440,740	3,046,790	4,332,890
Upland .....	3,645,490	4,358,110	2,990,860	4,251,270
American Pima .....	57,220	82,640	55,930	81,630
Sugarbeets .....	479,880	474,050	464,790	467,700
Sugarcane .....	(NA)	(NA)	353,660	356,610
Tobacco .....	(NA)	(NA)	143,280	136,560
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	8,300	12,630	5,540	7,240
Dry edible beans .....	623,220	773,520	592,470	745,720
Dry edible peas .....	349,370	305,950	339,090	287,900
Lentils .....	167,950	266,290	164,300	256,570
Wrinkled seed peas .....	(NA)	(NA)	(NA)	(NA)
<b>Potatoes and miscellaneous</b>				
Coffee (Hawaii) .....	(NA)	(NA)	2,550	2,550
Hops .....	(NA)	(NA)	16,080	12,660
Peppermint oil .....	(NA)	(NA)	28,250	28,850
Potatoes, all <sup>2</sup> .....	432,250	413,030	421,400	406,430
Winter .....	3,640	(NA)	3,520	(NA)
Spring .....	32,050	35,940	29,830	34,760
Summer .....	17,480	15,420	16,880	15,010
Fall .....	379,070	361,670	371,180	356,650
Spearmint oil .....	(NA)	(NA)	8,300	7,530
Sweet potatoes .....	44,480	48,480	39,210	47,310
Taro (Hawaii) <sup>3</sup> .....	(NA)	(NA)	180	190

(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> Area is total hectares in crop, not harvested hectares.

## Crop Yield and Production – United States: 2009-2010 (Metric Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2010 crop year]

Crop	Yield per hectare		Production	
	2009	2010	2009	2010
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
<b>Grains and hay</b>				
Barley .....	3.93	3.93	4,949,370	3,924,870
Corn for grain .....	10.34	9.59	332,548,610	316,164,930
Corn for silage .....	43.28	43.21	98,165,550	97,353,620
Hay, all <sup>1</sup> .....	5.54	5.45	133,991,190	132,046,180
Alfalfa .....	7.50	7.63	64,475,430	61,600,570
All other .....	4.46	4.36	69,515,750	70,445,620
Oats .....	2.42	2.31	1,351,070	1,178,470
Proso millet .....	1.88	1.78	201,280	261,610
Rice .....	7.94	7.54	9,972,230	11,027,010
Rye .....	1.74	1.76	177,630	188,760
Sorghum for grain .....	4.35	4.51	9,728,220	8,773,440
Sorghum for silage .....	32.48	28.08	3,338,440	3,102,570
Wheat, all <sup>1</sup> .....	2.99	3.12	60,365,730	60,102,550
Winter .....	2.97	3.15	41,493,030	40,421,500
Durum .....	3.02	2.85	2,967,640	2,916,960
Other spring .....	3.03	3.10	15,905,060	16,764,090
<b>Oilseeds</b>				
Canola .....	2.03	1.92	668,650	1,111,730
Cottonseed .....	(X)	(X)	3,763,730	5,616,380
Flaxseed .....	1.48	1.36	188,550	230,030
Mustard seed .....	1.11	0.98	22,390	18,990
Peanuts .....	3.83	3.71	1,674,500	1,884,950
Rapeseed .....	1.91	2.12	690	1,890
Safflower .....	1.64	1.48	109,760	100,400
Soybeans for beans .....	2.96	2.92	91,417,300	90,609,810
Sunflower .....	1.74	1.64	1,377,320	1,240,830
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>1</sup> .....	0.87	0.92	2,653,520	3,987,510
Upland .....	0.86	0.91	2,566,450	3,879,190
American Pima .....	1.56	1.33	87,070	108,320
Sugarbeets .....	58.13	61.96	27,018,680	28,980,020
Sugarcane .....	78.06	75.13	27,607,450	26,793,700
Tobacco .....	2.60	2.39	373,120	326,490
<b>Dry beans, peas, and lentils</b>				
Austrian winter peas .....	1.49	1.48	8,240	10,750
Dry edible beans .....	1.95	1.93	1,153,350	1,442,470
Dry edible peas .....	2.29	2.24	777,320	645,050
Lentils .....	1.61	1.53	265,080	392,670
Wrinkled seed peas .....	(NA)	(NA)	39,640	26,310
<b>Potatoes and miscellaneous</b>				
Coffee (Hawaii) .....	1.55	1.41	3,950	3,580
Hops .....	2.67	2.35	42,950	29,710
Peppermint oil .....	0.10	0.10	2,890	2,890
Potatoes, all <sup>1</sup> .....	46.43	44.32	19,564,260	18,011,110
Winter .....	27.47	(NA)	96,710	(NA)
Spring .....	32.43	32.39	967,100	1,125,820
Summer .....	38.49	34.83	649,590	522,990
Fall .....	48.09	45.88	17,850,860	16,362,300
Spearmint oil .....	0.15	0.14	1,220	1,050
Sweet potatoes .....	22.52	22.86	883,100	1,081,590
Taro (Hawaii) .....	(NA)	(NA)	1,810	1,770

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Production may not add due to rounding.

## 2010 Annual Weather Summary

**Highlights:** A rapid transition from El Niño to La Niña and a persistent blocking high-pressure system over the northern Atlantic Ocean were the driving forces behind a number of extreme weather and climate events in 2010. In particular, the North Atlantic block was largely responsible for sustained cold outbreaks in Florida in both January and December 2010. Meanwhile, El Niño played a role in a stormy winter and spring in various parts of the country. Nevertheless, fields dried quickly enough in the Midwest to promote a rapid spring planting pace.

During the spring and summer growing seasons, above-normal temperatures dominated the Nation's major crop production areas, including the central and southern Plains and the Midwest. As a result, most crops developed and matured rapidly, although heat and expanding drought in the eastern Corn Belt and parts of the South reduced yield prospects. In contrast, unfavorably wet weather conditions affected parts of the western Corn Belt, where June flooding washed out some low-lying fields.

Following a warm growing season, Midwestern harvest activities proceeded at a rapid pace. Farther north and west, however, persistently cool, damp weather led to delayed small grain development and harvesting across the northern High Plains and the Northwest. California also experienced developmental and harvest delays for crops such as rice and cotton.

During autumn, signs of a developing La Niña included drought development across the Deep South and drought relief in the eastern Corn Belt. In addition, unfavorable dryness on the central and southern Plains led to a poorly established hard red winter wheat crop. Another late-year sign of La Niña's emerging presence was cold, stormy conditions from the Pacific Northwest to the upper Midwest.

**Winter 2009-2010:** With weather patterns governed by El Niño and a persistent high-pressure system over eastern Canada and the northern Atlantic Ocean, cold, stormy conditions dominated the United States. El Niño supplied the energy for an active storm track across the central and southern United States, while the high-pressure system acted as an atmospheric block that repeatedly forced cold air southeastward across the Plains, Midwest, and Southeast.

According to the National Climatic Data Center (NCDC), the Nation experienced its seventeenth coldest, fifteenth wettest winter on record. The United States winter average temperature of 31.1 degrees Fahrenheit was 1.8 degrees Fahrenheit below the 1901-2000 mean, resulting in the coldest December-February period since 1984-85. It was among the ten coldest winters in nine Southern States from Oklahoma and Texas eastward to South Carolina, Georgia, and Florida. Meanwhile, Maine posted its third-warmest winter since 1895-96. Winter precipitation averaged 7.35 inches (114 percent of the long-term mean) across the contiguous United States. It was among the ten driest winters on record in Wyoming and Idaho, while top-ten wetness affected South Dakota, Alabama, and seven Atlantic Coast States from Florida to New Jersey. Individual monthly highlights included a pair of December blizzards across parts of the Plains and upper Midwest, a severe, early-January freeze in Florida, and record-setting February snowfall in the Mid-Atlantic States and adjoining areas. The winter of 2009-10 will also be remembered for snow accumulations across the Deep South. In California, key watershed areas received near-normal winter snowfall, following a 3-year drought.

**Spring:** Cool weather in the West and record-setting warmth from Michigan to Maine highlighted the spring season. A wet spring eased the effects of a dry winter in the Northwest, while a gradual drying trend affected much of the Nation's southern tier. Drought persisted through the end of May in parts of the Great Lakes region and developed in parts of the Gulf Coast States.

According to NCDC, the Nation experienced its twentieth warmest, sixtieth driest spring on record. The United States spring average temperature of 53.2 degrees Fahrenheit was 1.4 degrees Fahrenheit above the 1901-2000 mean. It was the warmest spring on record in Michigan, New Jersey, New York and all six New England States, and among the ten warmest in ten other Midwestern and Northeastern States. In contrast, California experienced its fourteenth coolest spring. Spring precipitation averaged 7.58 inches (98 percent of the long-term mean) across the contiguous United States. State rankings ranged from the fifth driest spring in Louisiana to the second wettest spring in Rhode Island. Individual monthly highlights included March flooding in the Northeast, rapid Midwestern planting progress in April, and Southern rainfall extremes during May. For the latter highlight, May opened with historic rains in parts of Kentucky and Tennessee, while drought developed and expanded during the month from eastern Texas into the lower Mississippi Valley.



**Summer:** Consistent warmth across the majority of the Nation fueled rapid crop development. In fact, record-setting summer warmth affected numerous locations from the Southeast into New England. A major exception to the warm pattern was the Northwest (as far east as Montana), where persistently cool conditions delayed both winter and spring wheat maturation and harvesting. Meanwhile, pockets of drought developed or expanded during the summer months from the Mid-South into the East. Drought development was also noted in the lower Midwest as far north as the Ohio Valley. In contrast, wet conditions plagued portions of the western Corn Belt.

According to NCDC, the Nation experienced its fifth hottest, ninth wettest summer on record. The United States summer average temperature of 74.0 degrees Fahrenheit was 1.9 degrees Fahrenheit above the 1901-2000 mean. Only the summers of 1934, 1936, 2002, and 2006 were hotter. It was the hottest summer on record in ten Eastern States from Alabama to Rhode Island. In contrast, it was the twentieth coolest summer in Oregon. Meanwhile, June-August precipitation averaged 9.34 inches, 113 percent of the mean. It was the Nation's wettest summer since 2004. State rankings ranged from the twelfth driest June-August period in New Jersey to the wettest summer on record in Wisconsin. Individual monthly highlights included June flooding in parts of the Midwest, along with early-summer heat and dryness from the Delta into the Mid-Atlantic States. Hurricane Alex, which made landfall in northeastern Mexico, contributed to late-June and early-July downpours and flooding in southern Texas. During July, widespread rain maintained generally favorable conditions for Midwestern summer crops, except in areas of excessive wetness. By the end of July, heat began to creep northward into the southern Corn Belt. During August, a broad area of unfavorable dryness stretched from the south-central United States into the Ohio Valley and the lower Great Lakes region. The late-summer dryness, along with a continuation of hot weather, trimmed yield prospects for some rain-fed summer crops.

**Autumn:** The United States escaped a busy Atlantic tropical season with no hurricane landfalls and minimal overall impacts. Midwestern harvest activities proceeded at a near-record to record-setting pace, with corn and soybean fieldwork nearly complete by the end of October. Meanwhile, portions of the central and southern Plains did not receive enough moisture to allow for proper establishment of winter wheat. Dry conditions also plagued parts of the eastern Corn Belt, although November precipitation provided drought relief. By the end of autumn, signs of the evolving La Niña included Northwestern wetness and dry conditions in the southern Atlantic region and much of the south-central and southwestern United States.

According to NCDC, the Nation experienced its fourteenth warmest, fifty-third driest autumn on record. The United States autumn average temperature of 55.7 degrees Fahrenheit was 1.5 degrees Fahrenheit above the 1901-2000 mean. State rankings ranged from the fifty-third coolest autumn in Washington to the fifth-warmest autumn in Rhode Island. Meanwhile, autumn precipitation averaged 6.70 inches (virtually equal to the long-term mean) across the contiguous United States. It was the second driest September-November period in Florida, but among the ten wettest autumns on record in Maine, Minnesota, North Dakota, and Nevada.

## **2010 Annual Crop Summary**

**April:** Unseasonably warm temperatures blanketed much of the country east of the Rocky Mountains during the month, allowing spring fieldwork in numerous States to advance at a pace well ahead of normal. Rainfall was plentiful in the western half of the United States, helping to alleviate prolonged drought conditions in areas and boosting small grain growth. In Texas, wet fields and cool temperatures delayed the start of sorghum planting to one week behind normal, while sunny skies allowed for rapid mid-month planting in the Delta. Elsewhere, with warm, mostly dry weather conditions prevailing throughout much of the major corn-producing regions, planting progress exploded during the latter half of April as producers rushed to get as much seed in the ground as possible ahead of approaching late-month thunderstorms. By April 25, half of the 2010 corn crop had been planted, the earliest date on record that progress had reached the midpoint.

**May:** While cooler than normal temperatures dominated much of the western United States, slowing the emergence of recently planted row crops and hindering head development in small grains, above average temperatures afforded producers throughout the eastern half of the country ample time for completing fieldwork. Early-May thunderstorms delivered a deluge of rainfall to portions of Kentucky and Tennessee causing severe flooding, limiting fieldwork, and damaging some crops in low-lying areas near creeks and rivers. Similarly, spring storm systems inundated California's

rice-producing region with above average rainfall, leaving producers seeding fields as conditions allowed. By May 2, ninety-six percent of the Nation's sugarbeet crop was planted, well ahead of both last year and the 5-year average, with producers in Idaho replanting some fields due to poor emergence, frost damage, and seedling disease. Mid-month cold spells damaged some soybean fields in the northernmost areas of Indiana, causing producers to replant a portion of the crop. Barley seeding remained active throughout the month despite fluctuating weather conditions; however, unusually cool late-month temperatures in Idaho and Montana slowed crop emergence.

**June:** Warmer than normal temperatures prevailed across much of the country during the month, promoting rapid summer crop development in some areas, while negatively impacting crop conditions in others. Conversely, cool temperatures in the Pacific Northwest, northern Rocky Mountains, and portions of the northern Great Plains hampered small grain maturation. As the month began, cotton producers across the country had planted 91 percent of their intended acreage, with planting complete in Arizona, Arkansas, California, Louisiana, and Missouri. Corn condition ratings declined during June, as mid-month storms delivered above average rainfall and hail that caused flooding and damaged corn plants in some fields in Illinois, Indiana, Iowa, Minnesota, and Nebraska, the five largest corn-producing States. Warm, mostly dry weather was the norm for much of the major winter wheat-producing regions during mid-June, boosting heading progress and providing ideal harvest conditions. Peanut producers had planted 96 percent of the 2010 crop by June 13, ahead of both last year and the average pace. Hot late-month temperatures in the Delta caused a decline in rice condition ratings, but promoted rapid phenological development.

**July:** Above average precipitation fell on much of the Great Plains and Midwest during the month, helping to improve dry soil moisture conditions in some areas while adding to already soggy fields in others. Conversely, many areas east of the Mississippi River and west of the Rocky Mountains were abnormally dry. Hot temperatures lingered month-long east of the Mississippi River, hampering the phenological development of summer row crops in some Southeastern States. Warm temperatures on the Plains as the month began helped to jumpstart the heading of Kansas' sorghum crop, the earliest start of heading since 2006. Following a rapid planting pace during the spring and nearly ideal growing conditions throughout much of the major corn-producing areas in May and June, the Nation's crop continued to develop at a faster than normal pace during July. Oat harvest was underway in some States by July 11 and neared the halfway point toward month's end. Head development of the Nation's rice crop gained momentum as the month progressed, with heading in Arkansas, the largest rice-producing State, over three weeks ahead of normal by month's end. Warm temperatures coupled with adequate soil moisture levels across the major soybean-producing regions provided ideal growing conditions and promoted rapid crop development throughout July.

**August:** While near-normal temperatures prevailed from the Rocky Mountains westward, unseasonably warm temperatures reigned from the Great Plains to the Atlantic Coast during August, promoting the rapid phenological development of many row crops as well as small grain harvest. Rainfall in excess of 12 inches left many low-lying corn fields in Iowa, the largest corn-producing State, completely saturated, stunting growth and yellowing portions of the crop. Despite mostly ideal weather that provided ample time for fieldwork during the first half of the month, barley harvest remained behind normal in Idaho, Montana, North Dakota, and Washington, four of the six largest producing States, due to early-season developmental delays. In Kansas, triple-digit temperatures combined with persistently dry weather mid-month depleted soil moisture levels and stressed portions of the sorghum crop. Similarly, above average temperatures and a lack of available soil moisture stressed cotton fields in areas of Texas, leading to a decline in crop condition ratings. Hot, humid conditions blanketed much of the major soybean-producing regions during mid-August, maintaining a rapid pod setting pace, while timely late-month rainfall aided pod filling in portions of the Corn Belt. By August 29, sorghum harvest was underway and well ahead of normal in the Delta but 19 percentage points behind last year in Texas.

**September:** Tropical Storms Hermine and Nicole bookended the month, delivering substantial amounts of precipitation to much of the south-central and eastern portions of the country. Most notably, coastal locations in both North Carolina and Texas received rainfall totaling 13 inches or more, slowing fieldwork and causing localized flooding in low-lying areas. Elsewhere, unusually dry conditions allowed for the quick harvest of row crops and small grains. By September 5, corn harvesting was underway in 11 of the 18 major corn-producing States, while soybean harvesting had begun in all major estimating States except North Carolina and Wisconsin by September 19. Nationally, sorghum harvesting inched forward during the first half of the month but gained speed as fields in portions of Texas began to dry out. Winter wheat producers were busy seeding their 2011 crop by mid-September. Toward month's end, peanut producers in the Southern Low Plains of Texas were rushing to dig their fields before feral hogs ruined the crop.

**October:** Above average temperatures and relatively dry conditions across much of the United States promoted the quickest harvest pace in over 19 years for the 2010 corn and soybean crops. Elsewhere, timely late-month storm systems dumped much-needed precipitation on areas of the Great Plains, aiding the establishment of recently seeded small grains. Winter wheat seeding gained momentum as October progressed and warm, mostly sunny weather provided nearly ideal fieldwork conditions; however, crop establishment in portions of the central and southern Great Plains was negatively impacted by generally dry conditions. Despite improved weather conditions in California mid-month that allowed rice producers to harvest their crop at a quicker pace, overall progress remained substantially behind both last year and the 5-year average. While double-digit harvest progress was evident throughout much of the major peanut-producing regions during the latter half of the month, some fields in portions in the Southeast needed additional moisture before producers could continue digging their crop. Warm, sunny weather across the major cotton-producing regions allowed for the quickest harvest of the Nation's crop since 2001. By October 31, cotton producers had harvested 61 percent of the 2010 crop, 34 percentage points ahead of last year and 17 percentage points ahead of the 5-year average.

**November:** Near-normal temperatures and mostly dry conditions blanketed much of the country during the month, affording producers ample time to finish harvesting their summer row crops and seeding their over-wintered small grains. As the month began, sugarbeet producers in the Red River Valley had finished harvesting this year's crop, while growers in Idaho and Michigan were busy digging the last of their fields. By November 7, corn producers had harvested 96 percent of the Nation's crop, 61 percentage points, or 43 days, ahead of last year and 23 percentage points ahead of the 5-year average. With the exception of Alabama, where progress typically trails the other peanut-producing States, harvest was complete or nearly complete by November 21. By November 28, cotton producers had harvested 91 percent of the 2010 crop, 11 percentage points ahead of last year and 10 percentage points ahead of the 5-year average.

## **Crop Comments**

**Corn:** United States corn for grain production is estimated at 12.4 billion bushels, down 1 percent from the November 1 forecast and 5 percent below the record high production of 13.1 billion bushels set in 2009. United States grain yield for 2010 is estimated at 152.8 bushels per acre. This is down 1.5 bushels from the November forecast and 11.9 bushels below the record high yield of 164.7 bushels per acre set in 2009.

Regionally, estimated yields are down across much of the Corn Belt, Central Great Plains, Ohio Valley, and Mid-Atlantic States compared to 2009. Less than ideal soil conditions and above normal temperatures during the latter part of summer limited yield potential in these areas. Estimated yields are up from last year in the Southern Great Plains, Mississippi Delta, and Southeast. Improved weather and favorable harvesting conditions were the main reasons for the increase in yield. Yields were also up in the Great Lakes and Upper Mississippi Valley, with record high yields estimated in Michigan, Minnesota, North Dakota, and Wisconsin.

Corn planted area, at 88.2 million acres, is up 2 percent from 2009. This represents the second largest acreage since 1946, only behind 2007 with 93.5 million acres. Area harvested for grain is estimated at 81.4 million acres, up slightly from the November forecast and up 2 percent from 2009.

The 2010 corn objective yield data indicate the second highest number of ears per acre for the combined 10 objective yield States (Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin), only behind the record year of 2009. Record high ear counts were recorded in Iowa, Ohio, and Wisconsin.

Corn silage production is estimated at 107 million tons in 2010, down 1 percent from 2009. The United States silage yield is estimated at a record high 19.3 tons per acre, tying the previous record set in 2009. Acreage harvested for silage is estimated at 5.57 million acres, down 1 percent from a year ago.

Planting got off to a rapid start in 2010 due to favorable conditions across much of the major corn-producing region during the middle of April. By April 25, half of the Nation's corn acreage had been planted, the earliest date on record that planting had progressed to the midpoint. At 50 percent complete, planting progress was 30 percentage points ahead of the 2009 pace and 28 percentage points ahead of the 5-year average pace. Planting progress was over 40 percentage points ahead of the 5-year average at this point in time in Illinois, Indiana, Iowa, and Minnesota, four of the five largest

corn-producing States. The end of April brought widespread frost to parts of the Midwest, but damage was minimal due to the fact that only a small amount of the crop had emerged.

Favorable planting conditions carried over into the first part of May, with 81 percent of the intended corn acreage planted as of May 9. This represented the third quickest planting pace on record, behind only 2004 and 2000, respectively. However, below average temperatures and wet weather dominated much of the Midwest and portions of the Plains during the middle part of May, hampering the planting of the remaining acreage and threatening emerged plants. Producers continued to battle wet field conditions during the latter part of May but were able to plant an additional 10 percent during the final two weeks of the month bringing the overall total to 97 percent. This was slightly ahead of the 5-year average pace of 96 percent.

Above average temperatures and adequate soil moisture levels in late June and early July pushed silking progress ahead of the normal pace in many parts of the country. By July 4, nineteen percent of the Nation's corn crop was at or beyond the silking stage, 11 percentage points ahead of the previous year's pace and 7 percentage points ahead of the five year average.

As of August 1, seventy-one percent of the corn acreage was rated in good to excellent condition in the 18 major producing States, up 3 percentage points from the previous year. Regionally, conditions were better than last year in the central and southern Great Plains, upper Great Lakes, and upper Mississippi Valley. Moderate temperatures and adequate soil moisture provided favorable growing conditions in these areas. Crop conditions were worse than a year ago in the Corn Belt States of Iowa and South Dakota mainly due to excessive soil moisture. Conditions were also worse in the Tennessee Valley and Mid-Atlantic regions due to above normal temperatures and dry conditions.

Condition ratings declined during August throughout much of the central and western Corn Belt, as well as the Tennessee Valley, mainly due to above normal temperatures and less than ideal soil conditions. The above normal temperatures during the first part of August promoted rapid phenological development. By September 5, virtually all of the Nation's corn acreage was at or beyond the dough stage, with 86 percent dented or beyond, 15 percentage points ahead of the 5-year average. Harvest was underway in 11 of the 18 major estimating States at this time.

Harvesting activities were in full swing during the month of October. Virtually the entire crop had reached the mature stage of development by October 10, twenty-six percentage points ahead of 2009 and 9 percentage points ahead of the 5-year average. As of October 31, ninety-one percent of the corn acreage was harvested, 67 percentage points ahead of last year, and 30 percentage points ahead of the 5-year average. Harvest was ahead of the normal pace in all 18 major producing States, with Illinois, Indiana, and Kansas all having less than 5 percent of the crop remaining in the field. Harvest was complete in Kentucky, North Carolina, and Tennessee by month's end.

**Sorghum:** Grain production in 2010 is estimated at 345 million bushels, up 2 percent from the November 1 forecast but 10 percent below 2009. Planted area is estimated at 5.40 million acres, down 19 percent from last year, and the lowest planted area on record. Area harvested for grain, at 4.81 million acres, is down 13 percent from 2009, and the lowest harvested area since 1939. Average grain yield, at 71.8 bushels per acre, is down 0.7 bushel from the previous forecast but up 2.4 bushels from last year. Record low planted acreages were established in Mississippi, Missouri, and Texas, while record high grain yields were set in Arizona, New Mexico, and Texas.

Silage production is estimated at 3.42 million tons, down 7 percent from 2009. Area cut for silage is estimated at 273,000 acres, up 7 percent from the previous year. Silage yields averaged 12.5 tons per acre, down 2.0 tons per acre from 2009.

While Texas continued to harvest most of the United States' silage production, Kansas led the Nation in area planted for all purposes, as well as area harvested for grain and grain production. Planted acreage decreased in nine of the 14 estimating States, with reductions of 13 and 30 percent, in Kansas and Texas, the two largest sorghum-producing States, respectively.

Planting was underway in all major estimating States except Nebraska and South Dakota by the end of April. Wet fields in portions of Kansas and Texas slowed fieldwork during May, leaving progress slightly behind normal. Crop maturation

continued at a near-normal pace throughout the summer, with harvest underway in limited areas by early July. By November 21, producers had harvested 95 percent of the 2010 sorghum crop, 22 percentage points ahead of last year and 8 percentage points ahead of the 5-year average.

**Oats:** The 2010 production is estimated at 81.2 million bushels, down 13 percent from last year and is a record low production. Yield is estimated at 64.3 bushels per acre, down 3.2 bushels from the previous year. Area planted to oats is estimated at a record low 3.14 million acres, down 8 percent from 2009. The largest decline occurred in North Dakota, where planted area decreased 70,000 acres from last year and is a record low for that State. In total, record lows for planted acres were set in 12 States. Harvested area is estimated at a record low 1.26 million acres, 8 percent below last year. The largest decline occurred in North Dakota, where area harvested for grain decreased 60,000 acres from last year and is also a record low for that State. Record lows for harvested area occurred in 10 States.

In California, Missouri, New York, North Carolina, and Wisconsin, excessively wet weather hindered the crop, with the average yield in these States declining 10 bushels from last year. In Idaho, favorable growing conditions led to a 6 bushel increase in yield from last year and is a record high yield for the State. Yield increases of 5 bushels per acre occurred in Michigan, Montana, and Texas.

During early spring, planting of the oat crop was ahead of the normal pace. By April 25, growers had planted 75 percent of the acreage, 15 points ahead of normal. During April, emergence also was ahead of the normal pace. By April 25, emergence was 49 percent complete, 13 points ahead of the 5-year average. As of May 30, planting was complete, with the crop 93 percent emerged, 1 point behind the normal pace. Through June, crop development was ahead of normal in most major oat-producing States. As of June 27, seventy-four percent of the oat acreage was headed, 3 points ahead of the 5-year average. However, North Dakota, the third largest oat-producing State, lagged 15 percentage points behind the 5-year average.

By August 1, forty-seven percent of the oat acreage was harvested, 3 points ahead of the normal pace. Also at this time, harvest in Texas was nearly complete at 97 percent with Ohio following closely behind at 96 percent. In North Dakota, harvest had just begun at 4 percent, and was 13 points behind normal. By August 29, harvest was 96 percent complete in the nine major producing States, 2 points ahead of the 5-year average.

**Barley:** Production is estimated at 180 million bushels, down 21 percent from 2009. Average yield per acre, at 73.1 bushels, is up 0.1 bushel from last year and is the highest yield on record since estimates began in 1866. Producers seeded 2.87 million acres in 2010, down 19 percent from last year. This is the lowest planted acreage on record. Harvested area, at 2.47 million acres, is down 21 percent from 2009, and the lowest level since 1882. Compared with last year, barley seedings decreased in Idaho, Montana, and North Dakota, the three largest barley-producing States. Producers in North Dakota seeded 720,000 acres and harvested 670,000 acres, down 40 and 41 percent, respectively, from the previous year. Seeded area in North Dakota establishes a record low for the State, while harvested area is the lowest since 1936. In addition, Michigan, Minnesota, and South Dakota producers set new record lows for seeded acreage. A record low for harvested area was set in South Dakota and tied in Michigan. Conversely, record high yields were set in Arizona, Montana, and Utah.

Barley seeding was well underway across much of the major producing regions by April 18, when 18 percent of the Nation's crop was in the ground. Above average temperatures and mostly dry weather during February and March promoted an early start to seeding in Washington, while cool, wet conditions and late-spring snow hampered fieldwork in Idaho. By May 30, ninety-six percent of the 2010 crop had been seeded, with overall progress at or ahead of normal in all five of the major estimating States except Montana. By June 13, emergence was complete or nearly complete in the five major estimating States. Although mostly warm temperatures in early July promoted rapid head development across much of the major barley-producing areas, overall progress in Idaho, Montana, and North Dakota remained behind normal following slow crop development earlier in the growing season. Harvest was underway in most States by the end of July, and had advanced to 91 percent complete by September 26, behind both last year and the 5-year average. As harvest surpassed the halfway point during the week ending August 22, eighty-four percent of the barley crop was reported in good to excellent condition, compared with 80 percent from the same time last year.

**All wheat:** Production totaled 2.21 billion bushels in 2010, down less than 1 percent from 2009. Grain area is 47.6 million

acres, down 5 percent from last year. The United States yield is a record high 46.4 bushels per acre, 1.9 bushels higher than 2009 and 1.5 bushels higher than the previous record set in 2008. The levels of production and changes from last year by type are winter wheat, 1.49 billion bushels, down 3 percent; other spring wheat, 616 million bushels, up 5 percent; Durum wheat, 107 million bushels, down 2 percent.

**Winter wheat:** The 2010 winter wheat production totaled 1.49 billion bushels, 3 percent below last year. The United States yield is 46.8 bushels per acre, up 2.6 bushels from the previous year and the fourth highest on record. Area harvested for grain is estimated at 31.7 million acres, down 8 percent from the previous year.

Planted acres were down from 2009 in many of the major Hard Red Winter growing States. While harvested acres were down from last year in most of the major growing States, ideal weather conditions in Oklahoma and Texas resulted in an increase of 1.70 million harvested acres from 2009 in those two States. Record high yields occurred in Colorado, Montana, Nevada, and North Dakota. Overall, Hard Red Winter production totaled 1.02 billion bushels, up 11 percent from 2009.

Planted and harvested acres decreased from a year ago across all of the Soft Red Winter growing area due to the late row crop harvest and wet weather during seeding. Illinois, Indiana, Missouri, and Ohio set record lows for planted acres. Production was down from last year in all of the Soft Red Winter growing States. Production was down 50 percent or more from 2009 in Arkansas, Georgia, Illinois, Indiana, Missouri, and North Carolina. Overall, Soft Red Winter production totaled 238 million bushels, down 41 percent from last year.

White winter production totaled 229 million bushels, up 14 percent from last year. Planted and harvested acreage in the Pacific Northwest States (Idaho, Oregon, and Washington) was above last year's levels. Yields were also up from last year in all three States.

**Other spring wheat:** Production for 2010 is estimated at 616 million bushels, up 5 percent from 2009 and the third highest total on record. Harvested area is 13.4 million acres, up 3 percent from last year. The United States yield is a record high 46.1 bushels per acre, 1.0 bushel higher than last year which was the previous record. Yields are above last year's level in all States except North Dakota and South Dakota. Average yield in North Dakota, the largest spring wheat-producing State, was 44.0 bushels per acre, 2.0 bushels lower than 2009 but still the second highest on record. Record high yields were set in Colorado, Montana, and Oregon.

Planting got off to a good start in many of the major spring wheat-producing States. Progress of the crop was ahead of last year, but lagged behind the 5-year average due to cooler temperatures. The growing season was marked by below normal temperatures and adequate moisture. Crop maturation continued behind normal throughout the growing season. As a result, harvest progress lagged behind the normal in most States in the growing area. Minnesota and South Dakota were the only States where harvest progressed ahead of the 5-year average.

**Durum wheat:** Production for 2010 is estimated at 107 million bushels, down 2 percent from 2009. Grain area harvested is 2.53 million acres, up 4 percent from the previous year. The United States yield is 42.4 bushels per acre, 2.5 bushels lower than the record yield set last year but still the second highest yield on record. Record yields occurred in Arizona, California, Montana, and South Dakota. North Dakota's yield of 37.5 bushels per acre is 1.5 bushels lower than last year but still the third highest yield on record. Harvest progress in Montana and North Dakota was behind normal.

**Rice:** Production in 2010 is estimated at a record high 243 million cwt, up 1 percent from the previous forecast and up 11 percent from 2009. Planted area is estimated at 3.64 million acres, up 16 percent from 2009. Area harvested, at 3.62 million acres, is down slightly from the previous forecast but up 17 percent from the previous crop year. The average yield for all United States rice is estimated at 6,725 pounds per acre, up 56 pounds from the previous forecast but 360 pounds below the 2009 yield.

Planted area is up from 2009 in all rice-producing States except California. Growers in Arkansas, the largest rice-producing State, planted a record 1.79 million acres in 2010, up 21 percent from the previous year. Area planted in Missouri, at 253,000 acres is also a record high. In California, the second largest rice-producing State, planted area is down 1 percent from last year and totaled 558,000 acres.

Planting got off to a rapid start this season in many of the southern States due to favorable weather conditions. However, in California, wet field conditions and spring rainstorms delayed planting. Warm temperatures throughout the growing season across much of the southern rice-producing areas pushed crop development and harvest ahead of normal, but the high temperatures resulted in lower than expected yields in many States. Harvest trailed well behind normal in California, where cool temperatures and wet conditions throughout much of the season limited crop growth and delayed field work. Favorable weather conditions in September allowed harvest to begin but wet field conditions at the end of the harvest season affected the harvest progress and yields of late maturing varieties.

Long grain rice yielded 6,486 pounds per acre across the Nation with production at 183 million cwt. Medium grain rice yielded 7,660 pounds per acre in 2010 with production at 57.1 million cwt. Short grain rice yielded 6,195 pounds per acre with production at 2.66 million cwt.

**Rye:** Production for 2010 is estimated at 7.43 million bushels, up 6 percent from last year. Harvested area totaled 265,000 acres, up 13,000 acres from 2009. The United States yield, at 28.0 bushels per acre, is up slightly from last year. Improved growing conditions in Oklahoma resulted in increased harvested acres and yield over 2009.

**Proso millet:** Production of proso millet in 2010 totaled 11.5 million bushels, up 30 percent from 2009. Planted area, at 390,000 acres, is up 11 percent, while harvested area, at 363,000 acres, is up 37 percent from last year. The average yield for 2010 is estimated at 31.8 bushels per acre, down 1.7 bushels from last year.

**All hay:** Production of dry hay for 2010 is estimated at 146 million tons, down 4 percent from the October 1 forecast and down 1 percent from the 2009 total. Area harvested is at 59.9 million acres, up slightly from both the October 1 forecast and from last year. The average yield, at 2.43 tons per acre, is down 0.12 ton from October and down 0.04 ton from the previous year.

**Alfalfa and alfalfa mixtures:** Production in 2010 is estimated at 67.9 million tons, down 5 percent from the October 1 forecast and down 4 percent from 2009. Harvested area, at 20.0 million acres, is 4 percent below the October 1 forecast and 6 percent below the previous year. The average yield is 3.40 tons per acre, 0.04 ton below the October 1 forecast but 0.05 ton above 2009.

Compared with December 1, 2009, alfalfa hay harvested area decreased in the majority of the country. States with a 200,000 acre or more decrease in harvested area from last year are Kansas, Minnesota, North Dakota, South Dakota, and Wisconsin. Compared with 2009, South Dakota showed the largest decrease in harvested acres, down 350,000 acres. States with the largest increases in harvested acres include Montana, up 250,000 acres, and New York, up 70,000 acres. Yields are up in the Northern Great Plains, Southern Great Plains, and the Great Lakes States. Yields are down in the majority of the Atlantic Coast States, Southern Cornbelt, and parts of the Southwest. Minnesota recorded the largest alfalfa hay yield increase of 0.60 tons per acre while Maryland had the largest yield decrease of 1.50 tons.

**All other hay:** Production in 2010 totaled 77.7 million tons, down 4 percent from the October 1 forecast but up 1 percent from 2009. Area for harvest, at 39.9 million acres, is up 3 percent from October and up 4 percent from last year. The average yield is estimated at 1.95 tons per acre, down 0.13 ton from October and down 0.04 ton from last year.

States with a 100,000 acre or more increase from last year include Kansas, Montana, South Dakota, Texas, and Virginia. The largest increase occurred in Texas, up 600,000 acres from last year followed by Kansas with a 200,000 acre increase. States with the largest acreage decreases from last year were lead by North Dakota down 190,000 acres, and Georgia, New York and Pennsylvania, all down 50,000 acres. Due to dry summer conditions, all States in the Southeast experienced lower yields from the previous year except Georgia, which increased 0.20 ton per acre. Yield decreases from last year also occurred in the Central Great Plains, Tennessee Valley and the majority of the Ohio Valley and Atlantic Coast States. Virginia had the largest yield decrease from last year at 0.60 ton per acre while Wisconsin recorded the largest yield increase at 0.60 ton per acre. Montana, Nebraska, and North Dakota had record high yields at 1.80, 1.50, and 1.75 tons, respectively.

**Forage:** Eighteen States participate in the forage estimation program, which measures annual production of forage crops,

with an emphasis on total alfalfa production. Haylage and greenchop production is converted to 13 percent moisture and combined with dry hay production to derive the total forage production. The total 2010 all haylage and greenchop production for the 18 States in the forage program is 33.8 million tons, of which 23.1 million tons are from alfalfa and alfalfa mixtures. The total all haylage production is up 7 percent from last year. Wisconsin, the leading haylage and greenchop producing State, harvested 1.40 million acres of all haylage and greenchop in 2010, of which 1.30 million were alfalfa and alfalfa mixtures, both down 100,000 acres from last year. The 18 State total forage area harvested is 35.7 million acres, including 14.5 million acres from alfalfa and alfalfa mixtures. The total forage harvested area is 71,000 acres lower than 2009 but the total forage production is up slightly from last year. The United States yield is estimated at 2.81 tons per acre, up 0.02 ton from the previous year.

**New seedings of alfalfa and alfalfa mixtures:** Growers seeded 2.55 million acres of alfalfa and alfalfa mixtures during 2010, down 5 percent from the 2009 seeded area of 2.67 million acres. The largest decrease occurred in Oklahoma, down 30,000 acres from 2009 while the largest increase was in Montana with an additional 25,000 acres. 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 4.16 billion pounds, up 5 percent from the previous forecast and up 13 percent from 2009. Planted area is estimated at 1.29 million acres, up 15 percent from 2009. Area harvested is estimated at 1.26 million acres, up 16 percent from the previous crop year. Average yield is estimated at 3,311 pounds per acre, up 169 pounds from the previous forecast but down 110 pounds from 2009.

Production in the Southeast States (Alabama, Florida, Georgia, Mississippi, and South Carolina) is estimated at 3.20 billion pounds, up 4 percent from the previous forecast and up 13 percent from 2009. Planted area is estimated at 986,000 acres, up 16 percent from 2009. Harvested area is estimated at 957,000 acres, up 16 percent from the previous crop year. Average yield in the region is estimated at 3,340 pounds per acre, up 140 pounds from the previous forecast but 88 pounds lower than the 2009 average yield. Yields are up from the previous crop year in Florida, Mississippi, and South Carolina but yield is down from last year in Alabama. In Georgia, the leading peanut-producing State, the yield of 3,560 pounds per acre ties the record high yield achieved in 2009. The excellent yields in Georgia can be attributed to intensive irrigation and new drought resistant varieties.

Virginia-North Carolina production is estimated at 273 million pounds, up 5 percent from the previous forecast but down 5 percent from 2009. Planted area is estimated at 105,000 acres, up 33 percent from the previous crop year. Area for harvest, which is estimated at 104,000 acres, is up 33 percent from 2009. The average yield is estimated at 2,627 pounds per acre, up 163 pounds from the previous forecast but down 1,073 pounds from 2009. Hot, dry weather conditions during the growing season stressed the crop in the region and resulted in poor yields.

Southwest peanut production (New Mexico, Oklahoma, and Texas) is estimated at 686 million pounds, up 12 percent from the previous forecast and up 20 percent from 2009. Planted area is estimated at 197,000 acres, up 6 percent from the previous crop year. Area for harvest is estimated at 194,000 acres, up 11 percent from 2009. The average yield for the region is estimated at 3,536 pounds per acre, up 310 pounds from the previous forecast and up 271 pounds from the previous crop year. Yield is down from last season in Oklahoma, up from last year in Texas, and unchanged from last year in New Mexico.

**Canola:** Production in 2010 is estimated at a record high 2.45 billion pounds, up 66 percent from 2009 but down 3 percent from the October 1 forecast. The yield, at 1,713 pounds per acre, is down 98 pounds from last year's record high yield and down 73 pounds from October. Planted area is estimated at 1.45 million acres, 75 percent above last year's acreage. Harvested area, at 1.43 million acres, is up 76 percent from 2009. Production in North Dakota, the leading canola-producing State, is estimated at a record high 2.18 billion pounds, up 64 percent from last year. Although the yield in North Dakota is down 120 pounds from last year, planted area is up 75 percent.

**Sunflower:** The 2010 sunflower production totaled 2.74 billion pounds, down 10 percent from 2009. The United States average yield per acre decreased 94 pounds from last year's record high to 1,460 pounds. Planted area, at 1.95 million acres, is 4 percent below last year. Area harvested decreased 4 percent from last year to 1.87 million acres.

Production in North Dakota, the leading sunflower-producing State, is estimated at 1.25 billion pounds, down 5 percent



from 2009. The yield in North Dakota, at 1,456 pounds per acre, is down 62 pounds from 2009. Compared with last year, planted area in North Dakota was unchanged and harvested area decreased by less than 1 percent. Yields, compared with last year, are down in five of the nine major sunflower-producing States, but are up in Minnesota, Nebraska, Oklahoma, and Texas. The average yield in Nebraska is the second highest on record.

United States production of oil-type sunflower varieties, at 2.07 billion pounds, decreased 20 percent from 2009. Harvested acres are down 14 percent from the previous year and are the lowest since 1990. Although the yield decreased by 105 pounds, to 1,458 pounds per acre, the United States average yield for oil-type varieties is still the sixth highest on record.

Production of non-oil sunflower varieties, at 661 million pounds, increased 46 percent from last year. Area harvested, at 451,300 acres, is up 50 percent from 2009. The average yield decreased by 41 pounds from last year's record high to 1,465 pounds per acre.

As harvest of sunflowers began in early October, progress was slightly ahead of normal in Colorado but lagged behind normal in Kansas, North Dakota, and South Dakota. As of October 3, harvest progress was 3 percentage points behind normal in Kansas, North Dakota, and South Dakota. Through October, harvest in all four States progressed ahead of last year and ahead of the 5-year average in all four States with the exception of North Dakota. By October 31, harvest was 57 percent complete in the four major States, compared with the 5-year average of 52 percent. Harvest progress continued to progress ahead of normal through November and reached 96 percent harvested in the four major States by November 21, six points ahead of normal for that date.

**Soybeans:** Production in 2010 totaled 3.33 billion bushels, down 1 percent from the November 1 forecast and down 1 percent from 2009. United States production is the second largest on record. The average yield per acre is estimated at 43.5 bushels, 0.4 bushel below the November forecast and 0.5 bushel below last year's record high yield. Planted area for the Nation, at 77.4 million acres, is down fractionally from last year's record high. Soybean growers harvested a record 76.6 million acres, up slightly from last year but down less than 1 percent from November.

Yields are down or unchanged from last year in all States except Illinois, Louisiana, Mississippi, Texas, and the northern tier States. Hot, dry weather during the blooming stage and throughout pod development negatively impacted soybean yields in many areas. Compared with last year, the largest yield decrease occurred in New Jersey, down 18 bushels, and decreases of 10 bushels or more occurred in Alabama, Delaware, Georgia, Kansas, Kentucky, Tennessee, Virginia, and West Virginia. Meanwhile, the biggest increase from last year occurred in Wisconsin, where yields are up 10.5 bushels from 2009. Yield increases of 5 bushels or more from last year also occurred in Illinois, Minnesota, New York, and Texas. New record high yields were set in Illinois, New York, and Wisconsin.

The 2010 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 15 percent in Indiana and Ohio and more than 20 percent in Illinois and Minnesota. The only States that showed a decrease in pod counts from last year were Arkansas, Kansas, Missouri, and South Dakota.

Soybean planting got off to a good start this season as conditions were much improved compared with last year. The month of May began with planting in all States at or ahead of last year's pace and, with the exception of Louisiana, at or ahead of their 5-year average. During mid-May, several soybean-growing areas received cool, wet weather, but significant progress was made in many areas during the last week of May. As of May 30, planting progress had reached 74 percent complete, only one point behind normal, but 11 percentage points ahead of last year. During June, there were several heavy storms that moved through soybean-growing areas, slowing planting progress. Rainfall was particularly heavy at times in parts of the Central and Southern Great Plains, and the western Corn Belt. By June 27, ninety-seven percent of the soybean crop was planted, 2 points ahead of last year but equal to the 5-year average.

Emergence of the soybean crop began ahead of both normal and last year's pace, and remained very close to normal and a few points ahead of last year's pace throughout June. Soybeans reached 97 percent emerged by July 4, equal to the 5-year average but 2 points ahead of last year. Blooming progress for soybeans during July followed a very similar pattern to emergence progress, remaining several points ahead of last year but in line with the normal pace. As of August 1,

eighty-six percent of the Nation's crop was blooming, 3 points ahead of normal and 12 points ahead of last year. Fifty-three percent of the acreage was setting pods by August 1, five points ahead of normal and 20 points ahead of last year.

Soybean development continued to stay ahead of normal during the month of August. By August 29, ninety-six percent of the soybean crop was at or beyond the pod-setting stage, four points ahead of last year and 1 point ahead of normal. Of the States where progress was lagging behind normal, the only State that was more than a point behind the 5-year average at the end of August was Kansas, which lagged behind the normal pace by 5 percentage points.

During September, crop conditions declined or remained unchanged in all of the major-producing States except Illinois, Louisiana, Missouri, and Nebraska. The largest decline occurred in North Carolina, down 30 percentage points from last month, as hot, dry weather during most of September was followed by excessive rain at the end of the month. As of October 3, eighty-eight percent of acreage was dropping leaves or beyond, 11 points ahead of last year's pace and 3 points ahead of the 5-year average. Progress was ahead of normal in all major-producing States except Iowa, Kansas, Missouri, and North Dakota. The percent of acreage dropping leaves was more than 10 points ahead of normal in Kentucky and Michigan.

Soybean harvest in the eighteen major States was 37 percent complete at the beginning of October, 23 points ahead of last year's pace and 9 points ahead of normal. Mostly dry weather across most of the soybean-producing areas during the first two weeks of October further accelerated harvest progress. By October 17, eighty-three percent of soybeans were harvested, 54 percentage points higher than last year and 21 points ahead of the 5-year average. Although a few showers occurred in parts of the Midwest during the latter part of October which briefly slowed harvest, progress reached 96 percent complete by October 31, seventeen percentage points ahead of normal. This is the earliest date that 96 percent of the crop was harvested since 1975 when published data became available.

**Flaxseed:** Production of flaxseed in 2010 totaled 9.06 million bushels, up 22 percent from last year and 58 percent above 2008. Harvested area totaled 418,000 acres in 2010, up 33 percent from last year. The average yield for 2010, at 21.7 bushels per acre, represents the second highest yield on record, only behind the 2009 record yield of 23.6 bushels per acre. Production increased from the previous year in all estimating states except for Minnesota.

In North Dakota, the leading flaxseed-producing State, production totaled 8.54 million bushels in 2010, up 21 percent from 2009. Growers harvested 388,000 acres of flaxseed, up 32 percent from last year. The average yield in North Dakota is estimated at 22.0 bushels per acre, two bushels below the State record yield of 24.0 bushels per acre set in 2009.

**Safflower:** Production of safflower in 2010, at 221 million pounds, is down 9 percent from 2009. Growers planted 175,000 acres in 2010, unchanged from last year, while harvested area, at 167,700 acres, is up 1 percent from the previous year. The yield, at 1,320 pounds per acre, decreased 142 pounds from 2009. California producers led the Nation, producing 125 million pounds of safflower, down 12 percent from 2009.

**Other Oilseeds:** Mustard seed production for 2010 decreased 15 percent from last year to 41.9 million pounds. Planted area, at 50,500 acres, is down 2 percent and harvested area, at 48,100 acres, is down 3 percent from 2009. The average yield is 870 pounds per acre, 121 pounds below last year's record high yield.

Rapeseed production increased 172 percent from last year to 4.16 million pounds, the largest production since 2004. Growers planted 2,300 acres of rapeseed in 2010, an increase of 1,300 acres from last year. Harvested area, at 2,200 acres, is also up 1,300 acres from last year. The average yield is 1,891 pounds per acre, up 191 pounds from last year, and is the highest yield since records began in 1991.

**Cotton:** Upland cotton production is estimated at 17.8 million 480-pound bales, up slightly from the December 1 forecast and up 51 percent from last year. The United States yield for Upland cotton is estimated at 814 pounds per acre, up 7 pounds from last month and up 48 pounds from 2009. Harvested area, at 10.5 million acres, is down 1 percent from last month but up 42 percent from last year. Upland planted area, estimated at 10.8 million acres, is up 20 percent from last year.

Upland growers in the Southeastern region (Alabama, Florida, Georgia, North Carolina, South Carolina, and Virginia) finished planting by mid-June. Hot, dry weather during much of the summer allowed the crop to develop ahead of normal. By the end of August, limited harvest was underway in Alabama and Georgia. By late-September, defoliation and harvest were underway throughout the region. Harvest neared completion by the end of November. Objective yield data in Georgia show bolls per acre to be the lowest in the last 7 years and boll weight to be at its lowest level since 1998. North Carolina boll weights are at their lowest level since 2005.

In the Delta region (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) producers finished planting by the first of June. The crop developed quickly due to hot, dry conditions for much of the summer. Defoliation and harvest had begun by late-August in the region. Harvest was completed by mid-November. In Louisiana, objective yield data show boll weight to be the lightest in over 10 years. Objective yield data in Arkansas show the bolls per acre to be the largest on record in Arkansas and the largest in the last 5 years in Mississippi.

Texas producers finished planting Upland cotton by the middle of June. In the Panhandle, warm temperatures and timely rains allowed the crop to develop well ahead of normal. Defoliation and limited harvest was underway by the middle of September. In South Texas, harvest was complete by mid-September. Harvest progressed rapidly in the Panhandle of Texas through the first half of October. However, harvest came to a halt after strong thunderstorms moved through some parts of the growing area. Reports from growers indicated some damage to the crop due to heavy rain, hail, and high winds. Objective yield data in Texas show boll weight to be the lowest since 2005.

In Kansas and Oklahoma, the Upland crop developed ahead of normal during the growing season. In Oklahoma, harvest got underway in late September, while Kansas producers began harvesting in October.

Upland producers in California and Arizona completed planting by mid-June. The Upland crop developed behind normal throughout the summer. In Arizona, harvest began during the first week of September. In California, harvest got underway in October.

American Pima producers planted 204,200 acres, up 44 percent from last year. Harvested area, at 201,700 acres, is up 46 percent from last year. Production is estimated at 497,500 bales (480-pound), down slightly from the August 1 forecast but up 24 percent from last year. The United States yield is estimated at 1,184 pounds per acre, up 30 pounds from the August 1 forecast but down 205 pounds from last year.

All cotton ginnings totaled 16,447,200 running bales prior to January 1, compared with 10,812,000 running bales prior to the same date last year.

**Cottonseed:** Production for 2010, based on a 3-year average lint-seed ratio, is expected to total 6.19 million tons, up 49 percent from last year.

**Tobacco:** United States all tobacco production for 2010 totaled 720 million pounds, slightly above the October forecast but down 12 percent from 2009. Growers harvested 337,450 acres, down slightly from the previous forecast and 5 percent below a year ago. Yield per acre averaged 2,133 pounds per acre, up 23 pounds from the previous forecast but 190 pounds lower than 2009.

Flue-cured tobacco production totaled 453 million pounds, 1 percent above the previous forecast but 14 percent lower than last year. Harvested acres totaled 210,900 acres in 2010, slightly below the October 1 forecast and 6 percent below a year ago. In Virginia, acreage for 2010 remained unchanged, while acreage decreased in all other flue-cured States. Yields averaged 2,148 pounds per acre, 25 pounds above the last forecast but down 200 pounds from 2009. Yield per acre decreased from a year ago in North Carolina, but it increased in all other flue-cured States. Heavy rainfall in early October reduced North Carolina yields, while other States reported ideal conditions for tobacco growth.

Burley production totaled 188 million pounds, up 1 percent from the October forecast but 13 percent below last year. Growers harvested 97,600 acres, slightly below the previous forecast and 4 percent below 2009. Yields averaged 1,922 pounds per acre, 25 pounds above October but 187 pounds below a year ago.

**Sugarbeets:** Production for 2010 is estimated at 31.9 million tons, up fractionally from the November 1 forecast and 7 percent above last year. Growers in the 10 major sugarbeet-producing States planted 1.17 million acres, a decrease of 1 percent from 2009, while the area harvested totaled 1.16 million acres, up 1 percent from last year. Estimated yield, at 27.6 tons per acre, is 0.1 ton below the November forecast but 1.7 tons above last year and establishes a record high.

Record high yields were also set in Colorado, Minnesota, North Dakota, and Wyoming. Production increased from last year in three of the four largest sugarbeet-producing States.

An abnormally mild winter in Michigan led to an early return to fieldwork, and by mid-April, sugarbeet producers in the State were nearly finished planting their 2010 crop. Similarly, warm, mostly dry conditions in Minnesota and North Dakota provided ample time for planting. By May 2, ninety-six percent of the Nation's crop had been planted, well ahead of both last year and the 5-year average. Harvest was underway in Michigan and the Red River Valley by mid-September. Ideal fieldwork conditions promoted an active harvest pace throughout much of the fall, and by November 7, producers had dug 97 percent of this year's crop, 6 percentage points ahead of last year and 3 percentage points ahead of the 5-year average.

**Sugarcane:** Production of sugarcane for sugar and seed in 2010 is estimated at 29.5 million tons, of which 27.9 million tons was utilized for sugar and 1.69 million tons for seed. Total production for sugar and seed is up less than 1 percent from the December 1 forecast but down 3 percent from 2009. Sugarcane producers harvested 881,200 acres for sugar and seed in 2010, up 1 percent from both the December forecast and last year. Yield for sugar and seed is estimated at 33.5 tons per acre, unchanged from the December forecast but down 1.3 tons from 2009.

In Louisiana, expectations for a bumper crop were diminished when unusually dry weather conditions ruled the summer months, resulting in decreased yields and overall production. Elsewhere, unseasonably cold temperatures in Florida in late December damaged much of the State's remaining crop, prompting a rapid harvest pace in hopes of preventing as much loss as possible.

**Dry beans:** United States dry edible bean production is estimated at 31.8 million cwt for 2010, up 25 percent from 2009. Planted area is estimated at 1.91 million acres, up 24 percent from last year. Harvested area is estimated at 1.84 million acres, 26 percent above the previous year. The average United States yield is estimated at 1,726 pounds per acre, a decrease of 11 pounds from 2009.

Production is expected to be higher in 14 of the 18 States in the dry bean program in 2010. The top five producing States all showed increased production from last season. Production in North Dakota, the largest producing State, was up 35 percent from a year ago, while Michigan increased 21 percent from 2009. Minnesota and Nebraska's production increased 22 percent and 30 percent, respectively. Idaho's production is up 29 percent from last season.

In North Dakota, harvest began the final week of August, about three weeks ahead of last season and was essentially complete by mid-October, a month ahead of last year. In Michigan, harvest began on a limited basis the week of August 23. By September 7, dry beans were turning quickly and continued to be harvested. Harvest wrapped up the week ending October 17.

Excessive moisture slowed maturation and harvest in Minnesota. Several growers reported leaving unharvested beans in the fields. In Idaho, cool, wet weather this spring delayed planting and negatively impacted crop development.

**Lentils:** Production of lentils is estimated at 8.66 million cwt, up 48 percent from last year. Area for harvest is estimated at 634,000 acres, up 56 percent from the previous year. Average yield is expected to be 1,365 pounds per acre, down 75 pounds per acre from 2009. If realized, these would be the largest planted, harvested, and production levels since records began in 1986.

North Dakota's production, at 3.93 million cwt, is up 54 percent from 2009. Harvested area, at 255,000 acres, is up 56 percent from last year, while average yield, at 1,540 pounds per acre, decreased by 20 pounds. Planting started in late April, about the same as last year and was essentially completed by the end of May. Soil moisture supplies were rated

mostly adequate throughout the growing season with more favorable temperatures reported than in 2009. Harvest started in early August and was finished by the end of September, about a week behind the previous year.

Montana's production is estimated at 3.36 million cwt, up 110 percent from last year. Harvested area increased 113 percent from 2009, while average yield decreased by 20 pounds per acre to 1,360. Lentils were 94 percent planted by May 31 and 99 percent emerged by June 20. Crop condition by late June was rated mostly in the good to excellent range. Lentil harvest was nearly completed by October 3.

Washington's production, at 858,000 cwt, is down 18 percent from 2009. Harvested area increased 4 percent from a year ago, but average yield decreased by 300 pounds per acre to 1,100. Growers reported that the extremely wet spring and early warm summer conditions negatively impacted yields this year. Quality has been reported as good but seed size is smaller than normal.

Production in Idaho, at 513,000 cwt, is down 21 percent from last year. Harvested area is up 4 percent from last season but the average yield decreased 300 pounds per acre to 950. The cold, wet spring increased disease and weed pressure in much of the growing region.

**Wrinkled seed peas:** Production is estimated at 580,000 cwt in 2010, down 34 percent from 2009. Idaho production, at 190,000 cwt, is up 6 percent from 2009. Production in Washington, at 390,000 cwt, decreased 44 percent from last year.

**Dry edible peas:** Production of dry edible peas is estimated at 14.2 million cwt, down 17 percent from the 2009 estimate. Area for harvest, at 711,400 acres, is 15 percent below a year ago. Average yield is estimated at 1,999 pounds per acre, down 46 pounds from last season.

North Dakota's dry edible pea production is estimated at 8.12 million cwt, down 30 percent from last season. Harvested acres, at 400,000, decreased 17 percent and average yield is down 370 pounds per acre from last season. Planting began about a week behind normal and finished about a week ahead of the 2005-2009 average. Soil moisture supplies were rated mostly adequate and the 2010 crop condition was rated mostly good throughout the entire growing season. Harvest started the final week of July, a week ahead of last year, and was essentially finished by the end of August, two weeks ahead of the previous season.

Production in Montana, at 4.14 million cwt, is up 38 percent from the 2009 estimate. Harvested area decreased by 8 percent to 207,000 acres but average yield increased by 670 pounds per acre to 2,000. The crop was 93 percent planted by May 31 and 96 percent emerged by June 13, about the same as last year. Crop condition, by late June, was rated as mostly good to excellent. Producers began harvest at the end of July and it was 99 percent completed by September 12.

Production in Idaho is expected to be 480,000 cwt, down 38 percent from 2009. Harvested area, at 30,000 acres, decreased 27 percent, while average yield, at 1,600 pounds per acre, decreased 300 pounds from last year. Washington's production estimate, at 1.29 million cwt, is 24 percent below last year. Area for harvest, at 68,000 acres, decreased 20 percent from last season, while yield, at 1,900 pounds per acre, decreased 100 pounds. Wet spring and early warm summer conditions reduced this season's yields.

**Austrian winter peas:** Production of Austrian winter peas is estimated at 237,000 cwt, up 30 percent from 2009. Area harvested is estimated at 17,900 acres, up 31 percent from last year. Average yield is expected to be 1,666 pounds per acre, up 338 pounds per acre from last season.

The Idaho Austrian winter pea production estimate, at 99,000 cwt, is up 3 percent from last year. A cold, wet spring, disease, and weed problems lowered yield in most of the growing area.

Montana's production estimate of 110,000 cwt is up 96 percent from last year. Harvested area is up 17 percent from a year ago at 7,000 acres. In July, high temperatures and below normal precipitation were common. By mid-August, the prevailing hot, dry conditions aided harvest. Oregon's production estimate, at 28,000 cwt, is down 7 percent from last year. Harvested area increased 200 acres to 1,900.

**Winter potatoes:** California winter potato estimates are combined with spring potatoes beginning in 2010.

**Spring potatoes:** Production for 2010 is estimated at 24.8 million cwt, down 5 percent from the May 1 forecast but 16 percent above 2009. Harvested area totaled 85,900 acres, down 4 percent from the previous forecast but up 17 percent from a year ago. The average yield of 289 cwt per acre is down 2 cwt from the May 1 forecast but unchanged from 2009.

Florida production is estimated at 7.95 million cwt, up 5 percent from the May 1 forecast and 3 percent above the 2009 production. In California, production decreased 11 percent from the previous forecast but increased significantly from last year due to winter and summer acreage included in the spring total. Production in Texas increased 1 percent from 2009. Wet, spring conditions and a hot summer hindered plant growth in North Carolina, permitting growers to produce 13 percent fewer spring potatoes than in the previous year. Arizona production decreased 8 percent from last year.

**Summer potatoes:** Growers produced 11.5 million cwt of summer potatoes in 2010, down 2 percent from the September forecast and down 19 percent from 2009. Harvested area, at 37,100 acres, is down 11 percent from last year. The average yield of 311 cwt per acre is 32 cwt below 2009. Production declined from the previous year in eight of the nine producing States. Beginning in 2010, summer potatoes in California were combined with spring potatoes.

In Texas, production decreased 29 percent, largely due to a decline in harvested acres. Illinois potato fields received excessive rainfall during the spring, reducing yields by 35 cwt per acre from the previous year. In Virginia, producers lost acres due to hot, dry conditions. Colorado summer potato production decreased 2 percent from the previous year, but quality was reported to be in good condition. In Kansas, production decreased 15 percent.

**Fall potatoes:** Production of fall potatoes for 2010 is estimated at 361 million cwt, virtually unchanged from the December 1 forecast but down 8 percent from last year. Area harvested, at 881,300 acres, is down slightly from the December 1 forecast and 4 percent lower than last year. The average yield is estimated at 409 cwt per acre, unchanged from the December 1 forecast but 20 cwt below last year's record high yield.

Idaho's yield is forecast at 389 cwt per acre, 26 cwt below last year due to cool and wet, spring conditions. Production in Idaho is down 14 percent from last year largely due to an 8 percent decrease in harvested acres, the lowest acreage on record since 1980. Yield, at 550 cwt in the 10 Southwest counties is a record high. In Colorado, quality was reported to be in good condition. In California, yields were affected by a cool, wet spring and fall rains.

In North Dakota, crop condition was rated mostly good to excellent in June and August, and mostly fair to good throughout July. Harvest began in late August, ahead of both last year and the five year average. Wisconsin growers reported wet soil conditions in the southern and northern tiers of the State. In Michigan, crop conditions were nearly ideal with very few abandoned acres.

In Maine, the potato crop emerged 1-2 weeks early, with a mix of rain and sun promoting rapid growth. Quality was reported in good condition across the State. In Massachusetts, early plantings got the crop off to a good start. Above average yields were received in some areas.

**All potatoes:** Total 2010 United States potato production is estimated at 397 million cwt, 8 percent below the 2009 crop. Harvested area, at 1.00 million acres, is down 4 percent from last year. The average yield, at 395 cwt per acre, is down 19 cwt from last year's record high yield. Fall production is down 8 percent from the previous year and summer is down 19 percent. Spring production increased 16 percent from 2009 largely due to the inclusion of California's winter and summer potatoes in the spring total beginning in 2010.

**Sweet potatoes:** Production of sweet potatoes in 2010 is estimated at 23.8 million cwt, up 22 percent from last year. Growers harvested 117,000 acres, up 21 percent from last year. Yield per acre, at 204 cwt, is up 3 cwt from last year and is a new record high.

In North Carolina, a record high was set for production, up 6 percent from 2009. Although yield was down 20 cwt from last year, acres harvested increased 17 percent. In Mississippi, growing conditions were reported excellent, and timely, localized rains provided adequate moisture for a good crop. Despite cool weather that delayed planting, growers had an

excellent crop with record acreage, yields, and production. Increases in sweet potato plantings have been driven by growing demand due to its healthy properties and processing usage.

**Peppermint oil:** Production in 2010 is estimated at 6.36 million pounds, down less than 1 percent from last year. Harvested area is estimated at 71,300 acres, up 2 percent from 2009. Washington's harvested area, at 16,000 acres, is down 500 acres from a year ago, while Oregon showed a 500 acre increase from 2009. Acreage in Indiana, Michigan, Oregon and Wisconsin increased from 2009, while California, Idaho, and Washington showed a decrease from a year ago. Production increased in Indiana, Michigan, Oregon, and Wisconsin, while California, Idaho, and Washington reported lower production than in 2009.

**Spearmint oil:** Production is estimated at 2.32 million pounds for 2010, down 14 percent from last year. Harvested area is estimated at 18,600 acres, down 9 percent from 2009. Average yield is estimated at 125 pounds of oil per acre, down 7 pounds from last year. Growers in Indiana and Wisconsin showed increases in harvested acreage from a year ago, while Idaho, Oregon, and Washington producers showed acreage decreases. Michigan's harvested acres remained the same. Production increased in Indiana and Michigan, while Idaho, Oregon, Washington, and Wisconsin showed a decrease.

**Hops:** Production for Idaho, Oregon, and Washington in 2010 totaled 65.5 million pounds, down 31 percent from the 2009 crop of 94.7 million pounds. Production dropped 37 percent in Idaho and declined 30 percent from last year in both Washington and Oregon. Acreage decreased in all three States; 42 percent in Idaho, 24 percent in Oregon, and 18 percent in Washington. Yields increased from a year ago in Idaho to 2,129 pounds per acre but decreased to 1,791 and 2,147 pounds per acre in Oregon and Washington, respectively.

Washington growers accounted for 80 percent of the United States hop production for 2010. Zeus and Columbus/Tomahawk were the leading varieties in Washington, accounting for 38 percent of the State's hop production. In Oregon, Nugget and Willamette were the major varieties, accounting for 62 percent of the State's hop production.

**Maple syrup:** The preliminary 2010 United States maple syrup production estimate totaled 1.96 million gallons, down 19 percent from last year. The preliminary number of taps is estimated at 9.27 million, 3 percent above the 2009 total of 8.98 million. Yield per tap is estimated to be 0.211 gallons, down 21 percent from the previous season. Vermont led all States in production with 890,000 gallons, a decrease of 3 percent from 2009. Production in Maine was the second highest on record, at 310,000 gallons, down from the 2009 record high of 395,000 gallons.

Temperatures were reported to be too warm for optimal sap flow in all States. On average, the season lasted 23 days compared with 28 days last year. In most States, the season started sooner than last year. The earliest sap flow reported was January 14 in Vermont. The latest sap flow reported was May 1 in Maine. On average, approximately 46 gallons of sap were required to produce one gallon of syrup. This compares with 43 gallons in 2009. The majority of the syrup produced in each State this year was medium to dark in color with the exception of Maine.

**Coffee:** Hawaii coffee production is estimated at 7.90 million pounds (parchment basis) for the 2010-2011 season, down 9 percent from the previous season. On the Big Island, dry weather, a late harvesting season, and insect damage negatively impacted coffee yields. Puerto Rico coffee production for the 2010-2011 season is estimated at 9.00 million pounds (parchment basis), unchanged from last season's revised production.

**Taro:** Hawaii taro production for the 2010 crop year is estimated at 3.90 million pounds, down 3 percent from the previous year. Area in crop, at 475 acres, is up 30 acres from 2009. Weather varied throughout the year with drought in some areas and excess precipitation in others. Grower reports indicate that apple snails, feral pigs, leaf blight, and pocket rot negatively affected 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 84,000 farm operators selected from a list of producers that ensures all operations in the United States have a chance to be selected. These operators were contacted by mail, internet, telephone, or personal interview to obtain information on crop acreage, yield and production for the 2010 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 1.2 for corn, 1.9 for Upland cotton and 1.1 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, 3.8 percent, for Upland cotton, and 2.2 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.



## 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)

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Jacqueline Moore, Head, Field Crops Section.....	(202) 720-2127
Suzanne Avilla – Peanuts, Rice .....	(202) 720-7688
Bryan Durham – Hay, Oats.....	(202) 690-3234
Steve Maliszewski – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Anthony Prillaman – Corn, Proso Millet, Flaxseed .....	(202) 720-9526
Nick Schauer – Wheat, Rye .....	(202) 720-8068
Julie Schmidt – Crop Weather, Barley, Sugar Crops.....	(202) 720-7621
Travis Thorson – Soybeans, Sunflower, Other Oilseeds .....	(202) 720-7369
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Debbie Flippin – Fresh and Processing Vegetables, Onions, Strawberries .....	(202) 720-2157
Fred Granja – Apples, Apricots, Cherries, Plums, Prunes, Tobacco .....	(202) 720-4288
Dawn Keen – Floriculture, Maple Syrup, Nursery, Tree Nuts .....	(202) 720-4215
Jorge Garcia-Pratts – Citrus, Coffee, Grapes, Tropical Fruits .....	(202) 720-5412
Tierra Mobley – Berries, Cranberries, Potatoes, Sweet Potatoes .....	(202) 720-4285
Dan Norris – Austrian Winter Peas, Dry Edible Peas, Lentils, Mints, Mushrooms, Peaches, Pears, Wrinkled Seed Peas, Dry Beans .....	(202) 720-3250
Kim Ritchie – Hops.....	(360) 709-2400

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