
Released December 11, 2008, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture.
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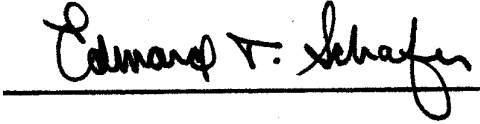
All Cotton Production Up 1 Percent from November All Orange Production Down Slightly from October

All Cotton production is forecast at 13.6 million 480-pound bales, up 1 percent from last month but down 29 percent from last year. Yield is expected to average 843 pounds per harvested acre, up 6 pounds from last month but down 36 pounds from the record high yield in 2007. Upland cotton production is forecast at 13.2 million 480-pound bales, up 1 percent from last month but down 28 percent from 2007. Producers are expecting increased yields in the southeastern States with record yields expected in Alabama, Florida, and South Carolina. American-Pima production is forecast at 444,000 bales, down 3 percent from last month and down 48 percent from last year.

The U.S. all orange forecast for the 2008-09 season is 9.15 million tons, down slightly from the October 1 forecast but 10 percent lower than the 2007-08 final utilization. Florida's all orange forecast, at 165 million boxes (7.43 million tons), decreased 1.00 million boxes from the previous forecast and is down 3 percent from last season's final utilization. Early, midseason, and navel varieties in Florida are forecast at 87.0 million boxes (3.92 million tons), down 1 percent from October but up 4 percent from last season. Florida's Valencia forecast, at 78.0 million boxes (3.51 million tons), is unchanged from the previous forecast but down 10 percent from the 2007-08 crop. Fruit size is below average for the early, midseason, and navel crop and droppage is increasing at a faster than average rate. Current fruit size and droppage are below average for the Valencia crop. Arizona, California, and Texas orange production forecasts are carried forward from October.

Florida frozen concentrated orange juice (FCOJ) yield forecast for the 2008-09 season is 1.58 gallons per box at 42 degrees Brix, down 1 percent from the October forecast and 6 percent lower than last season's final yield of 1.67 gallons per box. Projected yield from the 2008-09 early-midseason and Valencia varieties will be published in the January *Crop Production* report. All projections of yield assume the processing relationships this season will be similar to those of the past several seasons.

This report was approved on December 11, 2008.



Secretary of
Agriculture
Edward T. Schafer



Agricultural Statistics Board
Acting Chairperson
Joseph J. Prusacki

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**Cotton: Area Harvested, Yield, and Production by Type, State,
and United States, 2007 and Forecasted December 1, 2008**

Type and State	Area Harvested		Yield			Production ¹	
	2007	2008	2007	2008		2007	2008
				Nov 1	Dec 1		
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Bales ²</i>	<i>1,000 Bales ²</i>
Upland							
AL	385.0	285.0	519	842	842	416.0	500.0
AZ	168.0	128.0	1,469	1,425	1,500	514.0	400.0
AR	850.0	640.0	1,071	1,013	990	1,896.0	1,320.0
CA	194.0	117.0	1,608	1,559	1,518	650.0	370.0
FL	81.0	65.0	687	812	886	116.0	120.0
GA	995.0	940.0	801	843	843	1,660.0	1,650.0
KS	43.0	28.0	639	686	686	57.2	40.0
LA	330.0	260.0	1,017	517	517	699.0	280.0
MS	655.0	360.0	966	867	947	1,318.0	710.0
MO	379.0	307.0	968	1,048	1,048	764.0	670.0
NM	39.0	34.0	1,095	1,115	1,115	89.0	79.0
NC	490.0	438.0	767	800	844	783.0	770.0
OK	165.0	155.0	817	805	805	281.0	260.0
SC	158.0	134.0	486	860	931	160.0	260.0
TN	510.0	280.0	565	917	917	600.0	535.0
TX	4,700.0	3,350.0	843	731	731	8,250.0	5,100.0
VA	59.0	64.0	829	863	788	101.9	105.0
US	10,201.0	7,585.0	864	827	833	18,355.1	13,169.0
Amer-Pima							
AZ	2.5	1.0	883	960	960	4.6	2.0
CA	257.0	151.0	1,481	1,335	1,272	793.0	400.0
NM	4.6	3.0	856	800	800	8.2	5.0
TX	24.0	15.0	920	1,024	1,184	46.0	37.0
US	288.1	170.0	1,419	1,296	1,254	851.8	444.0
All							
AL	385.0	285.0	519	842	842	416.0	500.0
AZ	170.5	129.0	1,460	1,421	1,496	518.6	402.0
AR	850.0	640.0	1,071	1,013	990	1,896.0	1,320.0
CA	451.0	268.0	1,536	1,433	1,379	1,443.0	770.0
FL	81.0	65.0	687	812	886	116.0	120.0
GA	995.0	940.0	801	843	843	1,660.0	1,650.0
KS	43.0	28.0	639	686	686	57.2	40.0
LA	330.0	260.0	1,017	517	517	699.0	280.0
MS	655.0	360.0	966	867	947	1,318.0	710.0
MO	379.0	307.0	968	1,048	1,048	764.0	670.0
NM	43.6	37.0	1,070	1,090	1,090	97.2	84.0
NC	490.0	438.0	767	800	844	783.0	770.0
OK	165.0	155.0	817	805	805	281.0	260.0
SC	158.0	134.0	486	860	931	160.0	260.0
TN	510.0	280.0	565	917	917	600.0	535.0
TX	4,724.0	3,365.0	843	732	733	8,296.0	5,137.0
VA	59.0	64.0	829	863	788	101.9	105.0
US	10,489.1	7,755.0	879	837	843	19,206.9	13,613.0

¹ Production ginned and to be ginned.

² 480-lb. net weight bale.

**Cottonseed: Production, United States,
2006-2007 and Forecasted December 1, 2008**

State	Production		
	2006	2007	2008 ¹
	<i>1,000 Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>
US	7,347.9	6,588.7	4,628.0

¹ Based on a 3-year average lint-seed ratio.

Papayas: Area and Fresh Production by Month, Hawaii, 2007-2008

Month	Area				Fresh Production ¹	
	Total in Crop		Harvested		2007	2008
	2007	2008	2007	2008		
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
Sep	2,105	2,205	1,375	1,280	2,765	2,460
Oct	2,105	2,210	1,535	1,350	3,340	2,965

¹ Utilized fresh production.

**Citrus Fruits: Utilized Production by Crop, State, and United States,
2006-07, 2007-08 and Forecasted December 1, 2008¹**

Crop and State	Utilized Production Boxes			Utilized Production Ton Equivalent		
	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09
	<i>1,000 Boxes²</i>	<i>1,000 Boxes²</i>	<i>1,000 Boxes²</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>
Oranges						
Early Mid & Navel ³						
AZ ⁴	200	230	150	7	9	6
CA ⁴	34,500	48,500	32,000	1,294	1,819	1,200
FL	65,600	83,500	87,000	2,952	3,757	3,915
TX ⁴	1,600	1,500	1,300	68	64	55
US	101,900	133,730	120,450	4,321	5,649	5,176
Valencia						
AZ ⁴	100	150	100	4	6	4
CA ⁴	11,500	16,000	12,000	431	600	450
FL	63,400	86,700	78,000	2,853	3,902	3,510
TX ⁴	380	234	200	16	10	9
US	75,380	103,084	90,300	3,304	4,518	3,973
All						
AZ ⁴	300	380	250	11	15	10
CA ⁴	46,000	64,500	44,000	1,725	2,419	1,650
FL	129,000	170,200	165,000	5,805	7,659	7,425
TX ⁴	1,980	1,734	1,500	84	74	64
US	177,280	236,814	210,750	7,625	10,167	9,149
Grapefruit						
White						
FL	9,300	9,000	7,000	395	383	298
Colored						
FL	17,900	17,600	16,000	761	748	680
All						
AZ ⁴	100	100	150	3	3	5
CA ⁴	5,500	5,700	5,500	184	191	184
FL	27,200	26,600	23,000	1,156	1,131	978
TX ⁴	7,100	6,100	5,300	284	244	212
US	39,900	38,500	33,950	1,627	1,569	1,379
Tangerines and Mandarins						
AZ ^{4,5}	300	400	300	11	15	11
CA ^{4,5}	3,500	5,700	6,300	131	214	236
FL	4,600	5,500	4,900	219	261	233
US	8,400	11,600	11,500	361	490	480
Lemons ⁴						
AZ	2,500	1,500	2,500	95	57	95
CA	18,500	17,000	19,000	703	646	722
US	21,000	18,500	21,500	798	703	817
Tangelos						
FL	1,250	1,500	1,500	56	68	68

¹ The crop year begins with the bloom of the first year shown and ends with the completion of harvest the following year.

² Net lbs. per box: oranges-AZ & CA-75, FL-90, TX-85; grapefruit-AZ & CA-67, FL-85, TX-80; lemons-76; tangelos-90; Tangerines-90; tangerines-AZ & CA-75, FL-95.

³ Navel and miscellaneous varieties in AZ and CA. Early (including navel) and midseason varieties in FL and TX. Small quantities of tangerines in TX.

⁴ Estimates for current year carried forward from previous forecast.

⁵ Includes tangelos and tangors.

**Dry Edible Beans: Area Planted and Harvested, Yield, and Production
by State and United States, 2006 - 2007 and Forecasted December 1, 2008**

State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
CA	67.0	59.0	52.0	65.0	58.0	51.9
CO	70.0	48.0	48.0	60.0	46.0	44.0
ID	105.0	90.0	80.0	103.0	89.0	79.0
KS	11.0	6.5	6.0	10.0	6.0	5.5
MI	225.0	200.0	200.0	215.0	195.0	195.0
MN	145.0	150.0	150.0	135.0	145.0	145.0
MT	19.5	18.3	15.0	18.6	16.6	14.0
NE	140.0	110.0	135.0	124.0	107.0	124.0
NM	8.2	7.5	9.3	8.2	7.5	9.3
NY	19.0	17.0	17.0	18.0	16.5	16.8
ND	670.0	690.0	660.0	640.0	665.0	640.0
OR	10.0	8.0	4.8	9.8	7.9	4.7
SD	21.5	13.0	8.5	19.0	11.7	8.3
TX	20.0	17.0	24.0	18.0	16.2	21.4
UT	3.0	1.5	1.2	0.5	1.3	1.2
WA	61.0	60.0	50.0	60.5	60.0	50.0
WI	5.6	6.1	6.5	5.5	6.0	6.4
WY	29.0	25.0	32.5	27.5	24.0	31.5
US	1,629.8	1,526.9	1,499.8	1,537.6	1,478.7	1,448.0
	Yield per Acre ¹			Production ¹		
	2006	2007	2008	2006	2007	2008
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
CA	1,860	2,090	2,030	1,209	1,212	1,054
CO	1,900	1,600	1,800	1,140	736	792
ID	1,850	1,800	1,850	1,906	1,602	1,462
KS	2,100	2,300	2,100	210	138	116
MI	1,900	1,600	1,850	4,085	3,120	3,607
MN	1,650	1,800	1,900	2,228	2,610	2,757
MT	1,640	1,670	1,500	305	278	210
NE	2,200	2,260	2,350	2,728	2,418	2,914
NM	2,400	2,400	2,330	197	180	217
NY	1,330	1,360	1,880	239	224	316
ND	1,200	1,590	1,570	7,680	10,574	10,048
OR	1,940	1,850	2,000	190	146	94
SD	1,180	1,860	1,840	224	218	153
TX	1,320	1,500	1,100	238	243	235
UT	400	400	550	2	5	7
WA	1,600	1,700	1,700	968	1,020	850
WI	1,960	1,530	2,130	108	92	136
WY	2,150	2,310	2,330	590	555	733
US	1,577	1,716	1,775	24,247	25,371	25,701

¹ Clean Basis.

**Dry Edible Beans: Area Planted and Harvested by Commercial
Class, State, and Total, 2006-2008¹**

Class and State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Large Lima - CA	12.9	13.9	15.5	12.5	13.8	15.5
Baby Lima - CA	13.5	16.0	11.7	13.0	15.6	11.7
Navy						
ID	5.2	3.3	3.2	5.1	3.3	3.2
MI	80.0	61.0	62.0	77.5	59.5	60.5
MN	62.0	56.0	62.0	56.4	54.0	60.0
NE	3.1			2.7		
ND	120.0	96.0	123.0	113.0	89.0	118.0
OR	0.8	0.6		0.8	0.6	
SD	7.5	4.0	3.4	6.4	3.9	3.3
WA	0.6			0.6		
WY	1.5	1.0	1.5	1.4	0.9	1.4
Total	280.7	221.9	255.1	263.9	211.2	246.4
Great Northern						
ID	2.7	2.0	2.6	2.6	2.0	2.5
MI	0.5			0.5		
NE	58.0	48.0	64.4	49.0	45.9	59.8
ND	7.5	8.0	6.7	6.5	7.7	6.5
WY	1.0	1.5	2.5	0.7	1.4	2.4
Total	69.7	59.5	76.2	59.3	57.0	71.2
Small White						
ID	1.2	0.4		1.2	0.4	
OR	0.4			0.4		
WA	0.5		0.5	0.5		0.5
Total	2.1	0.4	0.5	2.1	0.4	0.5
Pinto						
CO	59.0	37.0	36.0	50.0	36.0	34.0
ID	26.0	25.0	20.5	25.5	24.7	20.2
KS	11.0	6.5	5.4	10.0	6.0	5.0
MI	5.0	4.0	1.8	4.9	3.9	1.7
MN	16.0	22.0	16.0	15.3	21.0	15.5
MT	10.7	8.5	9.0	10.5	8.4	8.0
NE	64.3	48.0	51.3	59.5	47.4	45.5
NM	8.2	7.5	8.5	8.2	7.5	8.5
ND	453.0	502.0	446.0	435.0	487.0	433.0
OR	1.0	0.4	0.7	0.9	0.4	0.7
SD	2.4	1.9	1.7	2.1	1.9	1.6
UT	3.0	1.5	1.2	0.5	1.3	1.2
WA	6.3	8.3	6.1	6.2	8.3	6.1
WY	25.0	21.5	25.0	24.0	20.8	24.3
Total	690.9	694.1	629.2	652.6	674.6	605.3

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

**Dry Edible Beans: Yield and Production by Commercial
Class, State, and Total, 2006-2008 ¹**

Class and State	Yield per Acre ²			Production ²		
	2006	2007	2008	2006	2007	2008
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
Large Lima - CA	1,910	2,140	2,190	239	302	340
Baby Lima - CA	2,340	2,420	2,310	304	377	270
Navy						
ID	2,470	2,670	2,470	126	88	79
MI	1,960	1,660	1,920	1,520	990	1,162
MN	1,650	1,850	1,950	930	999	1,171
NE	2,000			54		
ND	1,400	1,810	1,770	1,585	1,611	2,087
OR	1,650	2,200		13	13	
SD	1,200	2,400	2,100	77	94	69
WA	2,170			13		
WY	2,500	2,220	2,360	35	20	33
Total	1,649	1,806	1,867	4,353	3,815	4,601
Great Northern						
ID	2,420	2,450	2,360	63	49	59
MI	2,000			10		
NE	2,100	2,160	2,340	1,030	991	1,399
ND	1,080	1,470	1,690	70	113	110
WY	2,430	2,360	2,500	17	33	60
Total	2,007	2,081	2,287	1,190	1,186	1,628
Small White						
ID	2,330	2,500		28	10	
OR	1,990			8		
WA	2,000		2,000	10		10
Total	2,190	2,500	2,000	46	10	10
Pinto						
CO	1,900	1,560	1,750	950	562	595
ID	2,500	2,510	2,300	638	620	465
KS	2,100	2,300	2,100	210	138	105
MI	1,900	1,490	1,880	93	58	32
MN	1,500	1,750	1,800	230	367	279
MT	2,230	2,280	2,240	234	192	179
NE	2,290	2,390	2,370	1,363	1,132	1,078
NM	2,400	2,400	2,340	197	180	199
ND	1,150	1,560	1,540	4,988	7,606	6,660
OR	2,250	2,500	2,100	20	10	15
SD	1,900	2,700	2,500	40	51	40
UT	350	400	550	2	5	7
WA	2,310	2,770	2,300	143	230	140
WY	2,130	2,310	2,300	510	480	560
Total	1,474	1,724	1,711	9,618	11,631	10,354

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

² Clean Basis.

**Dry Edible Beans: Area Planted and Harvested by Commercial
Class, State, and Total, 2006-2008¹**

Class and State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Light Red						
Kidney						
CA	1.9	1.5	2.0	1.9	1.5	2.0
CO	4.0	6.0	8.0	3.6	5.8	7.0
ID	1.6	1.3	1.4	1.6	1.3	1.4
MI	11.3	8.6	9.5	10.3	8.4	9.3
MN	9.0	11.0	12.8	8.5	10.5	12.4
NE	8.6	11.5	13.1	7.3	11.2	12.7
NY	7.0	7.5	7.2	6.6	7.3	7.0
OR			0.9			0.9
Total	43.4	47.4	54.9	39.8	46.0	52.7
Dark Red						
Kidney						
CA	0.4	0.5	0.6	0.4	0.5	0.6
ID	1.8	0.9	0.9	1.8	0.9	0.9
MI	4.0	2.3	2.5	3.6	2.0	2.4
MN	31.0	27.0	32.6	29.3	26.5	31.5
NY	2.0	1.5	1.7	1.9	1.4	1.7
ND	2.0	1.5	1.4	1.9	1.4	1.3
OR	0.5	0.4	0.4	0.5	0.4	0.4
WA	1.5			1.5		
WI ²	5.6	6.1	6.5	5.5	6.0	6.4
Total	48.8	40.2	46.6	46.4	39.1	45.2
Pink						
CA	0.2			0.2		
ID	10.4	6.1	6.3	10.2	6.1	6.2
MN	10.5	8.8	8.8	9.7	8.4	8.5
ND	20.0	13.0	12.5	19.4	12.5	12.4
OR		0.5			0.5	
WA	4.2	2.4	3.2	3.9	2.4	3.2
Total	45.3	30.8	30.8	43.4	29.9	30.3
Small Red						
ID	3.8	4.5	9.8	3.7	4.4	9.7
MI	20.0	16.0	22.4	19.5	15.5	21.8
MN	2.5	1.7	1.6	2.4	1.6	1.5
ND	6.0	5.5	6.0	5.7	5.3	5.9
WA	3.2	2.9	2.0	3.1	2.9	2.0
Total	35.5	30.6	41.8	34.4	29.7	40.9
Cranberry						
CA	0.8	0.8	1.3	0.8	0.8	1.3
ID	1.0	0.9	0.6	1.0	0.9	0.6
MI	8.0	6.9	7.2	7.9	6.8	7.0
Total	9.8	8.6	9.1	9.7	8.5	8.9

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

² Includes Light Red Kidney to avoid disclosure of individual operations.

**Dry Edible Beans: Yield and Production by Commercial
Class, State, and Total, 2006-2008 ¹**

Class and State	Yield per Acre ²			Production ²		
	2006	2007	2008	2006	2007	2008
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
Light Red Kidney						
CA	1,470	1,470	1,500	28	22	30
CO	1,750	2,190	2,000	63	127	140
ID	1,880	2,150	2,360	30	28	33
MI	1,700	1,180	1,260	175	99	117
MN	2,150	1,900	1,900	183	199	236
NE	2,400	2,170	2,330	175	243	296
NY	1,330	1,180	1,960	88	86	137
OR			2,100			19
Total	1,864	1,748	1,913	742	804	1,008
Dark Red Kidney						
CA	2,250	1,000	1,330	9	5	8
ID	1,940	1,780	1,890	35	16	17
MI	1,170	900	1,210	42	18	29
MN	1,850	1,800	1,900	542	477	599
NY	780	1,430	2,250	15	20	38
ND	1,630	1,790	1,540	31	25	20
OR	2,200	2,030	2,100	11	8	8
WA	2,000			30		
WI ³	1,960	1,530	2,130	108	92	136
Total	1,774	1,691	1,892	823	661	855
Pink						
CA	1,500			3		
ID	2,400	2,390	2,260	245	146	140
MN	1,200	1,600	1,950	116	134	166
ND	1,430	1,870	1,700	277	234	211
OR		2,230			11	
WA	2,310	2,210	2,810	90	53	90
Total	1,684	1,933	2,003	731	578	607
Small Red						
ID	2,460	2,360	2,220	91	104	215
MI	2,000	1,630	1,950	390	253	425
MN	1,330	1,810	1,500	32	29	23
ND	1,190	1,400	1,440	68	74	85
WA	2,190	2,590	2,500	68	75	50
Total	1,887	1,801	1,951	649	535	798
Cranberry						
CA	1,880	2,250	1,620	15	18	21
ID	1,900	2,000	2,000	19	18	12
MI	1,460	1,290	1,540	115	88	108
Total	1,536	1,459	1,584	149	124	141

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

² Clean Basis.

³ Includes Light Red Kidney to avoid disclosure of individual operations.

**Dry Edible Beans: Area Planted and Harvested by Commercial
Class, State, and Total, 2006-2008¹**

Class and State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Black						
CA	0.6	0.4		0.6	0.4	
ID	2.8	2.4	1.7	2.8	2.3	1.7
MI	91.6	96.5	91.0	86.6	94.5	89.0
MN	12.3	22.0	13.0	11.8	21.6	12.5
NE	2.9		3.1	2.7		3.0
NY	9.0	7.0	7.4	8.6	6.9	7.4
ND	46.0	45.0	53.5	44.0	43.5	53.0
OR		0.5	0.6		0.5	0.6
WA	2.2	1.9	1.5	2.2	1.9	1.5
Total	167.4	175.7	171.8	159.3	171.6	168.7
Blackeye						
CA	12.6	12.5	7.1	12.5	12.5	7.1
TX	18.8	15.3	22.2	16.9	14.6	19.8
Total	31.4	27.8	29.3	29.4	27.1	26.9
Small Chickpeas (Garbanzo, Smaller than 20/64 in.)						
ID	4.0	3.5	4.3	3.9	3.4	4.2
MT	2.4	1.6	2.0	1.9	1.5	2.0
ND	7.5	4.5	4.0	7.0	4.4	3.3
SD			0.9			0.9
WA	3.5	1.5	1.6	3.5	1.5	1.6
Total	17.4	11.1	12.8	16.3	10.8	12.0
Large Chickpeas (Garbanzo, Larger than 20/64 in.)						
CA	16.0	6.5	6.4	15.3	6.0	6.3
ID	40.0	38.0	26.7	39.3	37.6	26.4
MT	6.4	8.2	4.0	6.2	6.7	4.0
NE	1.1			1.0		
ND	5.5	12.5	5.3	5.2	12.4	5.1
OR	3.5	3.5	0.7	3.5	3.5	0.7
SD	9.4	5.7	1.5	8.6	4.6	1.5
WA	37.5	40.0	29.5	37.5	40.0	29.5
Total	119.4	114.4	74.1	116.6	110.8	73.5

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

**Dry Edible Beans: Yield and Production by Commercial
Class, State, and Total, 2006-2008¹**

Class and State	Yield per Acre ²			Production ²		
	2006	2007	2008	2006	2007	2008
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
Black						
CA	1,670	2,000		10	8	
ID	2,320	2,000	2,240	65	46	38
MI	1,930	1,630	1,900	1,670	1,540	1,691
MN	1,400	1,750	1,800	165	378	225
NE	2,110		2,300	57		69
NY	1,470	1,460	1,750	126	101	130
ND	1,180	1,460	1,380	520	635	731
OR		2,320	2,300		12	14
WA	2,180	2,790	2,470	48	53	37
Total	1,670	1,616	1,740	2,661	2,773	2,935
Blackeye						
CA	2,420	2,150	2,040	303	269	145
TX	1,360	1,560	1,130	230	228	224
Total	1,813	1,834	1,372	533	497	369
Small Chickpeas (Garbanzo, Smaller than 20/64 in.)						
ID	1,130	970	1,070	44	33	45
MT	800	960	900	15	14	18
ND	690	1,390	1,330	48	61	44
SD			900			8
WA	1,200	1,330	1,250	42	20	20
Total	914	1,185	1,125	149	128	135
Large Chickpeas (Garbanzo, Larger than 20/64 in.)						
CA	1,290	1,900	1,860	198	114	117
ID	1,100	1,060	1,200	432	399	317
MT	900	1,080	320	56	72	13
NE	900			9		
ND	1,210	1,500	1,470	63	186	75
OR	1,830	1,370	1,300	64	48	9
SD	850	950	1,400	73	44	21
WA	1,320	1,300	1,290	495	520	380
Total	1,192	1,248	1,268	1,390	1,383	932

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

² Clean Basis.

**Dry Edible Beans: Area Planted and Harvested by Commercial
Class, State, and Total, 2006-2008**¹

Class and State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Chickpeas, All (Garbanzo)						
CA	16.0	6.5	6.4	15.3	6.0	6.3
ID	44.0	41.5	31.0	43.2	41.0	30.6
MT	8.8	9.8	6.0	8.1	8.2	6.0
NE	1.1			1.0		
ND	13.0	17.0	9.3	12.2	16.8	8.4
OR	3.5	3.5	0.7	3.5	3.5	0.7
SD	9.4	5.7	2.4	8.6	4.6	2.4
WA	41.0	41.5	31.1	41.0	41.5	31.1
Total	136.8	125.5	86.9	132.9	121.6	85.5
Other						
CA	8.1	6.9	7.4	7.8	6.9	7.4
CO	7.0	5.0	4.0	6.4	4.2	3.0
ID	4.5	1.7	2.0	4.3	1.7	2.0
KS			0.6			0.5
MI	4.6	4.7	3.6	4.2	4.4	3.3
MN	1.7	1.5	3.2	1.6	1.4	3.1
NE	2.0	2.5	3.1	1.8	2.5	3.0
NM			0.8			0.8
NY	1.0	1.0	0.7	0.9	0.9	0.7
ND	2.5	2.0	1.6	2.3	1.8	1.5
OR	3.8	2.1	1.5	3.7	2.0	1.4
SD	2.2	1.4	1.0	1.9	1.3	1.0
TX	1.2	1.7	1.8	1.1	1.6	1.6
WA	1.5	3.0	5.6	1.5	3.0	5.6
WY	1.5	1.0	3.5	1.4	0.9	3.4
Total	41.6	34.5	40.4	38.9	32.6	38.3

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

**Dry Edible Beans: Yield and Production by Commercial
Class, State, and Total, 2006-2008 ¹**

Class and State	Yield per Acre ²			Production ²		
	2006	2007	2008	2006	2007	2008
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
Chickpeas, All (Garbanzo)						
CA	1,290	1,900	1,860	198	114	117
ID	1,100	1,050	1,180	476	432	362
MT	880	1,050	520	71	86	31
NE	900			9		
ND	910	1,470	1,420	111	247	119
OR	1,830	1,370	1,300	64	48	9
SD	850	960	1,210	73	44	29
WA	1,310	1,300	1,290	537	540	400
Total	1,158	1,243	1,248	1,539	1,511	1,067
Other						
CA	1,280	1,410	1,660	100	97	123
CO	1,980	1,120	1,900	127	47	57
ID	2,090	2,650	2,100	90	45	42
KS			2,100			11
MI	1,670	1,680	1,300	70	74	43
MN	1,880	1,930	1,870	30	27	58
NE	2,220	2,080	2,410	40	52	72
NM			2,280			18
NY	1,100	1,890	1,570	10	17	11
ND	1,300	1,610	1,670	30	29	25
OR	2,000	2,200	2,080	74	44	29
SD	1,800	2,200	1,500	34	29	15
TX	690	940	710	8	15	11
WA	1,935	2,300	2,200	29	69	123
WY	2,000	2,440	2,350	28	22	80
Total	1,722	1,739	1,875	670	567	718

¹ Missing data are included in "Other" class to avoid disclosure of individual operations or no data were reported.

² Clean Basis.

**Potatoes: Area Planted, Harvested, Yield, and Production
by Seasonal Group, State, and United States, 2006-2008¹**

Seasonal Group and State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Winter						
CA	12.0	11.5	11.0	12.0	11.5	11.0
FL ²	5.7			5.5		
Total	17.7	11.5	11.0	17.5	11.5	11.0
Spring						
AZ	3.9	4.0	3.5	3.9	4.0	3.5
CA	15.3	15.5	14.3	15.3	15.5	14.3
FL ²	23.1	27.8	28.5	22.6	27.2	27.9
Hastings	17.0	16.5	17.3	16.6	16.2	17.0
Other FL	6.1	11.3	11.2	6.0	11.0	10.9
NC	17.7	16.0	14.5	15.5	14.5	14.0
TX	10.7	9.5	8.4	10.2	9.0	8.0
Total	70.7	72.8	69.2	67.5	70.2	67.7
	Yield			Production		
	2006	2007	2008	2006	2007	2008
	<i>Cwt</i>	<i>Cwt</i>	<i>Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
Winter						
CA	260	215	230	3,120	2,473	2,530
FL ²	250			1,375		
Total	257	215	230	4,495	2,473	2,530
Spring						
AZ	300	280	300	1,170	1,120	1,050
CA	395	395	420	6,044	6,123	6,006
FL ²	285	287	288	6,441	7,807	8,037
Hastings	285	285	290	4,731	4,617	4,930
Other FL	285	290	285	1,710	3,190	3,107
NC	210	186	200	3,255	2,700	2,800
TX	280	230	210	2,856	2,070	1,680
Total	293	282	289	19,766	19,820	19,573

¹ Carried forward from earlier estimate.

² Winter potatoes combined with spring potatoes in 2007.

**Potatoes: Area Planted and Harvested by Seasonal Group,
State, and United States, 2006-2008**

Seasonal Group and State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Summer ¹						
AL	1.7	1.4	1.4	1.6	1.3	1.3
CA	6.3	7.0	6.0	6.3	7.0	6.0
CO	3.7	3.0	4.4	3.6	2.7	4.0
DE	3.0	2.0	1.9	2.1	2.0	1.9
IL	6.5	6.3	5.5	6.3	6.1	5.3
KS	6.0	5.0	5.0	5.7	4.9	4.8
MD	4.0	3.0	2.7	2.9	3.0	2.7
MO	7.8	6.8	6.7	7.6	6.6	6.0
NJ	2.5	2.4	2.0	2.5	2.4	2.0
TX	10.5	11.2	7.0	9.7	9.8	6.5
VA	6.0	5.6	5.9	5.6	5.4	5.7
Total	58.0	53.7	48.5	53.9	51.2	46.2
Fall						
CA	8.6	7.9	7.8	8.6	7.9	7.8
CO	59.9	59.2	57.0	59.7	59.1	56.9
ID	335.0	350.0	305.0	334.0	349.0	304.0
10 SW Co	21.0	21.0	15.0	21.0	21.0	15.0
Other ID	314.0	329.0	290.0	313.0	328.0	289.0
ME	58.5	57.1	56.0	58.0	57.0	54.7
MA	3.1	2.7	2.8	3.1	2.7	2.4
MI	43.5	42.5	43.0	43.0	42.0	42.5
MN	51.0	50.0	50.0	48.0	47.0	48.0
MT	10.6	11.3	10.9	10.5	11.2	10.8
NE	19.5	21.0	19.5	19.4	19.8	19.3
NV	6.6	7.3	5.8	6.6	7.3	5.8
NM	5.0	5.5	5.8	5.0	5.4	5.8
NY	20.6	19.0	18.0	19.0	18.3	17.8
ND	100.0	97.0	82.0	98.0	91.0	81.0
OH	3.3	3.2	2.5	3.1	3.0	2.1
OR	35.0	36.5	35.3	35.0	36.5	35.3
Malheur	3.5	3.5	2.8	3.5	3.5	2.8
Other OR	31.5	33.0	32.5	31.5	33.0	32.5
PA	11.0	10.5	10.0	10.5	10.0	9.5
RI	0.5	0.6	0.5	0.5	0.6	0.5
WA	156.0	165.0	155.0	155.0	165.0	155.0
WI	66.0	64.5	63.5	66.0	64.0	62.0
Total	993.7	1,010.8	930.4	983.0	996.8	921.2
US	1,140.1	1,148.8	1,059.1	1,121.9	1,129.7	1,046.1

¹ Carried forward from earlier estimate.

**Potatoes: Yield and Production by Seasonal Group,
State, and United States, 2006-2008**

Seasonal Group and State	Yield			Production		
	2006	2007	2008	2006	2007	2008
	<i>Cwt</i>	<i>Cwt</i>	<i>Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
Summer ¹						
AL	150	140	180	240	182	234
CA	335	360	390	2,111	2,520	2,340
CO	360	350	360	1,296	945	1,440
DE	240	270	250	504	540	475
IL	395	400	395	2,489	2,440	2,094
KS	320	365	310	1,824	1,789	1,488
MD	320	320	290	928	960	783
MO	315	300	240	2,394	1,980	1,440
NJ	240	265	220	600	636	440
TX	440	395	420	4,268	3,871	2,730
VA	270	210	260	1,512	1,134	1,482
Total	337	332	324	18,166	16,997	14,946
Fall						
CA	450	480	505	3,870	3,792	3,939
CO	380	355	375	22,686	20,981	21,338
ID	386	373	378	128,915	130,010	114,805
10 SW Co	475	490	525	9,975	10,290	7,875
Other ID	380	365	370	118,940	119,720	106,930
ME	310	295	265	17,980	16,815	14,496
MA	240	310	260	744	837	624
MI	330	350	320	14,190	14,700	13,600
MN	425	440	420	20,400	20,680	20,160
MT	335	330	330	3,518	3,696	3,564
NE	450	415	430	8,730	8,217	8,299
NV	445	390	410	2,937	2,847	2,378
NM	420	370	400	2,100	1,998	2,320
NY	300	285	320	5,700	5,216	5,696
ND	260	260	280	25,480	23,660	22,680
OH	325	330	325	1,008	990	683
OR	530	554	521	18,533	20,238	18,387
Malheur	435	455	415	1,523	1,593	1,162
Other OR	540	565	530	17,010	18,645	17,225
PA	260	220	265	2,730	2,200	2,518
RI	260	300	285	130	180	143
WA	580	620	600	89,900	102,300	93,000
WI	445	440	415	29,370	28,160	25,730
Total	406	409	406	398,921	407,517	374,360
US	393	396	393	441,348	446,807	411,409

¹ Carried forward from earlier estimate.

**Potatoes: Area Planted and Harvested by State
and United States, 2006-2008**

State	Area Planted			Area Harvested		
	2006	2007	2008	2006	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
AL	1.7	1.4	1.4	1.6	1.3	1.3
AZ	3.9	4.0	3.5	3.9	4.0	3.5
CA	42.2	41.9	39.1	42.2	41.9	39.1
CO	63.6	62.2	61.4	63.3	61.8	60.9
DE	3.0	2.0	1.9	2.1	2.0	1.9
FL	28.8	27.8	28.5	28.1	27.2	27.9
ID	335.0	350.0	305.0	334.0	349.0	304.0
IL	6.5	6.3	5.5	6.3	6.1	5.3
KS	6.0	5.0	5.0	5.7	4.9	4.8
ME	58.5	57.1	56.0	58.0	57.0	54.7
MD	4.0	3.0	2.7	2.9	3.0	2.7
MA	3.1	2.7	2.8	3.1	2.7	2.4
MI	43.5	42.5	43.0	43.0	42.0	42.5
MN	51.0	50.0	50.0	48.0	47.0	48.0
MO	7.8	6.8	6.7	7.6	6.6	6.0
MT	10.6	11.3	10.9	10.5	11.2	10.8
NE	19.5	21.0	19.5	19.4	19.8	19.3
NV	6.6	7.3	5.8	6.6	7.3	5.8
NJ	2.5	2.4	2.0	2.5	2.4	2.0
NM	5.0	5.5	5.8	5.0	5.4	5.8
NY	20.6	19.0	18.0	19.0	18.3	17.8
NC	17.7	16.0	14.5	15.5	14.5	14.0
ND	100.0	97.0	82.0	98.0	91.0	81.0
OH	3.3	3.2	2.5	3.1	3.0	2.1
OR	35.0	36.5	35.3	35.0	36.5	35.3
PA	11.0	10.5	10.0	10.5	10.0	9.5
RI	0.5	0.6	0.5	0.5	0.6	0.5
TX	21.2	20.7	15.4	19.9	18.8	14.5
VA	6.0	5.6	5.9	5.6	5.4	5.7
WA	156.0	165.0	155.0	155.0	165.0	155.0
WI	66.0	64.5	63.5	66.0	64.0	62.0
US	1,140.1	1,148.8	1,059.1	1,121.9	1,129.7	1,046.1

**Potatoes: Yield and Production by State
and United States, 2006-2008**

State	Yield ¹			Production		
	2006	2007	2008	2006	2007	2008
	<i>Cwt</i>	<i>Cwt</i>	<i>Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
AL	150	140	180	240	182	234
AZ	300	280	300	1,170	1,120	1,050
CA	359	356	379	15,145	14,908	14,815
CO	379	355	374	23,982	21,926	22,778
DE	240	270	250	504	540	475
FL	278	287	288	7,816	7,807	8,037
ID	386	373	378	128,915	130,010	114,805
IL	395	400	395	2,489	2,440	2,094
KS	320	365	310	1,824	1,789	1,488
ME	310	295	265	17,980	16,815	14,496
MD	320	320	290	928	960	783
MA	240	310	260	744	837	624
MI	330	350	320	14,190	14,700	13,600
MN	425	440	420	20,400	20,680	20,160
MO	315	300	240	2,394	1,980	1,440
MT	335	330	330	3,518	3,696	3,564
NE	450	415	430	8,730	8,217	8,299
NV	445	390	410	2,937	2,847	2,378
NJ	240	265	220	600	636	440
NM	420	370	400	2,100	1,998	2,320
NY	300	285	320	5,700	5,216	5,696
NC	210	186	200	3,255	2,700	2,800
ND	260	260	280	25,480	23,660	22,680
OH	325	330	325	1,008	990	683
OR	530	554	521	18,533	20,238	18,387
PA	260	220	265	2,730	2,200	2,518
RI	260	300	285	130	180	143
TX	358	316	304	7,124	5,941	4,410
VA	270	210	260	1,512	1,134	1,482
WA	580	620	600	89,900	102,300	93,000
WI	445	440	415	29,370	28,160	25,730
US	393	396	393	441,348	446,807	411,409

¹ Derived

Fall Potatoes: Percent of Varieties Planted, 2008 Crop

The National Agricultural Statistics Service conducts variety surveys in 8 States, accounting for 89 percent of the 2008 forecasted U.S. fall potato production. Colorado data are from a growers' potato variety survey. The remaining 7 States conduct objective yield surveys where all producing areas are sampled in proportion to planted acreage. Variety data shown below are actual percentages from these surveys.

**Fall Potatoes: Percent of Major Varieties Planted,
Selected States and 8 State Total, 2008 Crop¹**

State	Varieties	Pct. of Planted Acres	State	Varieties	Pct. of Planted Acres
CO	R Norkotah	55.2	MN	R Burbank	51.7
	Rio Grande R	9.6		Norland	24.3
	Canela R	8.7		Umatilla R	4.4
	Centennial R	5.6		Dakota Rose	2.4
	Yukon Gold	3.9		Ranger R	2.0
	R Nugget	3.7		Premier R	1.6
	Satina	1.7		Gold Rush	1.3
	Cherry Red	0.4		Cascade	1.3
	Other	11.2		Dakota Pearl	1.3
					NorValley
ID	R Burbank	57.4	ND	Shepody	1.2
	Ranger R	15.0		Other	7.3
	R Norkotah	13.1			
	Western R	2.7		R Burbank	52.6
	Shepody	2.1		Shepody	7.9
	Umatilla R	1.6		Norland	6.1
	Alturas	1.6		Ranger R	5.9
	Frito-Lay	1.3		Umatilla R	5.6
	Other	5.2		Frito-Lay	3.6
					Dakota Crisp
ME	R Burbank	42.6	OR	Dakota Pearl	2.7
	Frito-Lay	13.8		Red LaSoda	2.6
	Shepody	4.6		Ivory Crisp	2.6
	R Norkotah	4.2		Bannock	1.7
	Norland	4.0		Sangre	1.5
	Yukon Gold	3.7		NorValley	1.2
	Goldrush	3.7		Viking	1.1
	Norwis	3.6		Other	2.2
	Superior	3.5			
	Ontario	2.6		R Norkotah	23.8
	Katahdin	2.4		R Burbank	22.1
	Reba	2.2		Ranger R	12.2
	Atlantic	1.4		Shepody	12.0
	Red LaSoda	1.0		Umatilla R	7.5
	Other	6.7		Frito-Lay	5.3
				Alturas	4.3
				Premier R	3.1
		Yukon Gold	2.4		
		Modoc	1.8		
		Other	5.5		

See footnote(s) at end of table.

--continued

**Fall Potatoes: Percent of Major Varieties Planted,
Selected States and 8 State Total, 2008 Crop ¹ (continued)**

State	Varieties	Pct. of Planted Acres	State	Varieties	Pct. of Planted Acres
WA	R Burbank	27.1	TOTAL (8 Sts)	R Burbank	41.0
	Ranger R	19.2		R Norkotah	13.5
	Umatilla R	15.1		Ranger R	10.8
	Shepody	10.6		Shepody	4.7
	R Norkotah	9.6		Umatilla R	4.7
	Alturas	5.7		Frito-Lay	3.9
	Premier R	2.4		Norland	3.6
	Frito-Lay	2.1		Alturas	1.9
	Chieftain	1.7		Goldrush	1.3
	Other	6.5		Yukon Gold	1.1
				Premier R	1.1
WI	R Burbank	19.8	Western R	1.0	
	R Norkotah	17.6	Rio Grande R	0.7	
	Frito-Lay	17.4	Canela R	0.6	
	Goldrush	11.5	Silverton R	0.6	
	Norland	10.7	Superior	0.6	
	Silverton R	7.0	Dakota Pearl	0.5	
	Superior	3.8	Chieftain	0.4	
	Snowden	2.4	Centennial R	0.4	
	Atlantic	1.7	Red LaSoda	0.4	
	Shepody	1.5	CalWhite	0.3	
	Other	6.6	Ivory Crisp	0.3	
			Bannock	0.3	
			Dakota Crisp	0.3	
			Snowden	0.3	
			Pike	0.3	
			R Nugget	0.3	
			Atlantic	0.3	
			Norwis	0.3	
			Satina	0.2	
			Sangre	0.2	
			Dakota Rose	0.2	
			NorValley	0.2	
			Ontario	0.2	
			Cascade	0.2	
			Reba	0.2	
			Katahdin	0.2	
			NorDonna	0.2	
			Defender	0.1	
Modoc	0.1				
Viking	0.1				
Other	2.4				

¹ Revised from the September preliminary.

**Pecans: Production by Variety, State, and United States,
2006-2007 and Forecasted December 1, 2008**

Variety and State	Utilized Production (In-Shell Basis)		
	2006	2007	2008
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
Improved Varieties ¹			
AL	5,400	8,700	6,300
AZ	14,000	23,000	15,500
AR ²	1,150	1,500	550
CA ²	3,400	4,400	4,000
FL ²	200	1,700	1,400
GA	36,000	135,000	63,000
LA	3,500	3,000	1,500
MS ²	2,000	2,200	900
MO ²	160	2	140
NM	47,000	74,000	45,000
NC ²	420	160	510
OK	5,000	3,000	2,000
SC ²	900	1,500	1,800
TX	33,000	44,000	20,000
US	152,130	302,162	162,600
Native and Seedling			
AL	600	1,300	700
AR ²	1,050	800	450
FL ²	300	200	300
GA	6,000	15,000	2,000
KS ²	2,000	500	1,500
LA	17,500	11,000	3,500
MS ²	500	800	400
MO ²	940	3	820
NC ²	80	40	90
OK	12,000	27,000	6,000
SC ²	200	500	700
TX	14,000	26,000	10,000
US	55,170	83,143	26,460
All Pecans			
AL	6,000	10,000	7,000
AZ	14,000	23,000	15,500
AR ²	2,200	2,300	1,000
CA ²	3,400	4,400	4,000
FL ²	500	1,900	1,700
GA	42,000	150,000	65,000
KS ²	2,000	500	1,500
LA	21,000	14,000	5,000
MS ²	2,500	3,000	1,300
MO ²	1,100	5	960
NM	47,000	74,000	45,000
NC ²	500	200	600
OK	17,000	30,000	8,000
SC ²	1,100	2,000	2,500
TX	47,000	70,000	30,000
US	207,300	385,305	189,060

¹ Budded, grafted, or topworked varieties.

² Estimates for current year carried forward from earlier forecast.

**Sugarcane: Area Harvested, Yield, and Production by Use,
State, and United States, 2007 and Forecasted December 1, 2008**

Use and State	Area Harvested		Yield ¹			Production ¹	
	2007	2008	2007	2008		2007	2008
				Nov 1	Dec 1		
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>
For Sugar							
FL	375.0	383.0	36.0		39.0	13,500	14,937
HI	20.4	20.0	73.2		80.0	1,493	1,600
LA	390.0	380.0	30.4		27.0	11,856	10,260
TX	42.5	40.0	33.5		39.8	1,424	1,592
US	827.9	823.0	34.2		34.5	28,273	28,389
For Seed							
FL	18.0	17.0	37.6		38.2	677	649
HI	2.5	2.0	28.3		34.0	71	68
LA	30.0	25.0	30.4		27.0	912	675
TX	1.2	1.5	30.4		39.8	36	60
US	51.7	45.5	32.8		31.9	1,696	1,452
For Sugar and Seed							
FL	393.0	400.0	36.1	39.0	39.0	14,177	15,586
HI	22.9	22.0	68.3	75.8	75.8	1,564	1,668
LA	420.0	405.0	30.4	27.0	27.0	12,768	10,935
TX	43.7	41.5	33.4	39.8	39.8	1,460	1,652
US	879.6	868.5	34.1	34.4	34.4	29,969	29,841

¹ Net tons.

**Coffee: Area Harvested, Yield, and Production
Hawaii and Puerto Rico, 2006-2008**

State	Area Harvested			Yield			Production ¹		
	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
HI	6,300	6,400	6,300	1,170	1,170	1,160	7,400	7,500	7,300
PR	40,000	39,000	38,000	450	450	435	18,000	17,500	16,500

¹ Parchment basis.

Crop Summary: Area Planted and Harvested, United States, 2007-2008
(Domestic Units) ¹

Crop	Area Planted		Area Harvested	
	2007	2008	2007	2008
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Grains & Hay				
Barley	4,020.0	4,234.0	3,508.0	3,767.0
Corn for Grain ²	93,600.0	85,889.0	86,542.0	78,177.0
Corn for Silage			6,071.0	
Hay, All			61,625.0	60,439.0
Alfalfa			21,670.0	20,778.0
All Other			39,955.0	39,661.0
Oats	3,760.0	3,217.0	1,505.0	1,395.0
Proso Millet	570.0	605.0	515.0	
Rice	2,761.0	2,940.0	2,748.0	2,924.0
Rye	1,376.0	1,260.0	289.0	269.0
Sorghum for Grain ²	7,718.0	8,327.0	6,805.0	7,385.0
Sorghum for Silage			399.0	
Wheat, All	60,433.0	63,047.0	51,011.0	55,685.0
Winter	44,987.0	46,181.0	35,952.0	39,614.0
Durum	2,149.0	2,731.0	2,112.0	2,584.0
Other Spring	13,297.0	14,135.0	12,947.0	13,487.0
Oilseeds				
Canola	1,183.0	1,015.0	1,163.0	986.0
Cottonseed ³				
Flaxseed	354.0	340.0	349.0	333.0
Mustard Seed	56.0	67.0	52.8	64.0
Peanuts	1,230.0	1,533.0	1,195.0	1,494.0
Rapeseed	1.5	0.5	1.0	0.4
Safflower	180.0	191.0	172.0	183.0
Soybeans for Beans	64,736.0	75,878.0	64,141.0	74,374.0
Sunflower	2,068.0	2,507.0	2,009.5	2,385.0
Cotton, Tobacco & Sugar Crops				
Cotton, All	10,827.2	9,414.0	10,489.1	7,755.0
Upland	10,535.0	9,239.0	10,201.0	7,585.0
Amer-Pima	292.2	175.0	288.1	170.0
Sugarbeets	1,268.8	1,110.1	1,246.8	1,051.6
Sugarcane			879.6	868.5
Tobacco			356.0	356.0
Dry Beans, Peas & Lentils				
Austrian Winter Peas	29.0	26.5	11.0	9.0
Dry Edible Beans	1,526.9	1,499.8	1,478.7	1,448.0
Dry Edible Peas	847.5	874.0	811.3	832.8
Lentils	303.0	273.0	295.0	266.0
Wrinkled Seed Peas ³				
Potatoes & Misc.				
Coffee (HI)			6.4	6.3
Ginger Root (HI)			0.1	0.1
Hops			30.9	39.3
Peppermint Oil			73.3	
Potatoes, All	1,148.8	1,059.1	1,129.7	1,046.1
Winter	11.5	11.0	11.5	11.0
Spring	72.8	69.2	70.2	67.7
Summer	53.7	48.5	51.2	46.2
Fall	1,010.8	930.4	996.8	921.2
Spearmint Oil			19.6	
Sweet Potatoes	100.6	104.1	97.5	100.8
Taro (HI) ⁴			0.4	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2008 crop year.

² Area planted for all purposes.

³ Acreage is not estimated.

⁴ Area is total acres in crop, not harvested acreage.

Crop Summary: Yield and Production, United States, 2007-2008
(Domestic Units) ¹

Crop	Units	Yield		Production	
		2007	2008	2007	2008
				<i>1,000</i>	<i>1,000</i>
Grains & Hay					
Barley	Bu	60.4	63.6	211,825	239,498
Corn for Grain	"	151.1	153.8	13,073,893	12,019,894
Corn for Silage	Tons	17.5		106,328	
Hay, All	"	2.44	2.49	150,304	150,500
Alfalfa	"	3.35	3.44	72,575	71,424
All Other	"	1.95	1.99	77,729	79,076
Oats	Bu	60.9	63.5	91,599	88,635
Proso Millet	"	32.3		16,615	
Rice ²	Cwt	7,185	6,959	197,456	203,476
Rye	Bu	27.4	29.7	7,914	7,979
Sorghum for Grain	"	74.2	63.0	504,993	465,271
Sorghum for Silage	Tons	15.6		6,206	
Wheat, All	Bu	40.5	44.9	2,066,722	2,499,524
Winter	"	42.2	47.2	1,515,989	1,867,903
Durum	"	33.9	32.8	71,686	84,877
Other Spring	"	37.0	40.5	479,047	546,744
Oilseeds					
Canola	Lbs	1,250	1,514	1,453,830	1,492,846
Cottonseed ³	Tons			6,588.7	4,628.0
Flaxseed	Bu	16.9		5,904	
Mustard Seed	Lbs	603		31,826	
Peanuts	"	3,076	3,342	3,675,250	4,993,300
Rapeseed	"	1,300		1,300	
Safflower	"	1,215		208,995	
Soybeans for Beans	Bu	41.7	39.3	2,675,822	2,920,589
Sunflower	Lbs	1,436	1,448	2,886,065	3,454,640
Cotton, Tobacco & Sugar Crops					
Cotton, All ²	Bales	879	843	19,206.9	13,613.0
Upland ²	"	864	833	18,355.1	13,169.0
Amer-Pima ²	"	1,419	1,254	851.8	444.0
Sugarbeets	Tons	25.6	26.8	31,912	28,179
Sugarcane	"	34.1	34.4	29,969	29,841
Tobacco	Lbs	2,191	2,261	779,899	804,927
Dry Beans, Peas & Lentils					
Austrian Winter Peas ²	Cwt	1,155	1,233	127	111
Dry Edible Beans ²	"	1,716	1,775	25,371	25,701
Dry Edible Peas ²	"	1,960	1,455	15,903	12,120
Lentils ²	"	1,155	900	3,408	2,393
Wrinkled Seed Peas ³	"			541	
Potatoes & Misc.					
Coffee (HI)	Lbs	1,170	1,160	7,500	7,300
Ginger Root (HI)	"	35,000	30,000	2,800	1,800
Hops	"	1,949	1,942	60,253.1	76,234.4
Peppermint Oil	"	93		6,794	
Potatoes, All	Cwt	396	393	446,807	411,409
Winter	"	215	230	2,473	2,530
Spring	"	282	289	19,820	19,573
Summer	"	332	324	16,997	14,946
Fall	"	409	406	407,517	374,360
Spearmint Oil	Lbs	121		2,379	
Sweet Potatoes	Cwt	185		18,082	
Taro (HI) ³	Lbs			4,000	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2008 crop year.

² Yield in pounds.

³ Yield is not estimated.

Fruits and Nuts Production, United States, 2007-2009
(Domestic Units) ¹

Crop	Units	Production		
		2007	2008	2009
		<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
Citrus ²				
Grapefruit	Tons	1,627	1,569	1,379
Lemons	"	798	703	817
Oranges	"	7,625	10,167	9,149
Tangelos (FL)	"	56	68	68
Tangerines and Mandarins	"	361	490	480
Noncitrus				
Apples	1,000 Lbs	9,113.9	9,242.2	
Apricots	Tons	88.5	86.8	
Bananas (HI)	Lbs	19,700.0		
Grapes	Tons	7,018.0	7,206.1	
Olives (CA)	"	132.5	65.0	
Papayas (HI)	Lbs	33,400.0		
Peaches	Tons	1,128.7	1,093.9	
Pears	"	873.0	821.8	
Prunes, Dried (CA)	"	83.0	120.0	
Prunes & Plums (Ex CA)	"	12.1	18.8	
Nuts & Misc.				
Almonds (CA) (shelled)	Lbs	1,390,000	1,500,000	
Hazelnuts (OR) (in-shell)	Tons	37.0	34.0	
Pecans (in-shell)	Lbs	385,305	189,060	
Walnuts (CA) (in-shell)	Tons	325.0	375.0	
Maple Syrup	Gals	1,258	1,635	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2008 crop year, except citrus which is for the 2008-09 season.

² Production years are 2006-07, 2007-08, and 2008-09.

Crop Summary: Area Planted and Harvested, United States, 2007-2008
(Metric Units) ¹

Crop	Area Planted		Area Harvested	
	2007	2008	2007	2008
	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>
Grains & Hay				
Barley	1,626,850	1,713,460	1,419,650	1,524,470
Corn for Grain ²	37,878,980	34,758,420	35,022,680	31,637,450
Corn for Silage			2,456,870	
Hay, All ³			24,939,020	24,459,060
Alfalfa			8,769,630	8,408,650
All Other			16,169,390	16,050,410
Oats	1,521,630	1,301,890	609,060	564,540
Proso Millet	230,670	244,840	208,420	
Rice	1,117,350	1,189,790	1,112,090	1,183,310
Rye	556,850	509,910	116,960	108,860
Sorghum for Grain ²	3,123,400	3,369,850	2,753,920	2,988,640
Sorghum for Silage			161,470	
Wheat, All ³	24,456,630	25,514,490	20,643,640	22,535,160
Winter	18,205,790	18,688,990	14,549,410	16,031,390
Durum	869,680	1,105,210	854,710	1,045,720
Other Spring	5,381,160	5,720,290	5,239,520	5,458,050
Oilseeds				
Canola	478,750	410,760	470,650	399,020
Cottonseed ⁴				
Flaxseed	143,260	137,590	141,240	134,760
Mustard Seed	22,660	27,110	21,370	25,900
Peanuts	497,770	620,390	483,600	604,610
Rapeseed	610	200	400	160
Safflower	72,840	77,300	69,610	74,060
Soybeans for Beans	26,198,010	30,707,070	25,957,220	30,098,410
Sunflower	836,900	1,014,560	813,220	965,190
Cotton, Tobacco & Sugar Crops				
Cotton, All ³	4,381,660	3,809,750	4,244,830	3,138,370
Upland	4,263,410	3,738,930	4,128,240	3,069,570
Amer-Pima	118,250	70,820	116,590	68,800
Sugarbeets	513,470	449,250	504,570	425,570
Sugarcane			355,970	351,470
Tobacco			144,070	144,090
Dry Beans, Peas & Lentils				
Austrian Winter Peas	11,740	10,720	4,450	3,640
Dry Edible Beans	617,920	606,950	598,420	585,990
Dry Edible Peas	342,970	353,700	328,320	337,030
Lentils	122,620	110,480	119,380	107,650
Wrinkled Seed Peas ⁴				
Potatoes & Misc.				
Coffee (HI)			2,590	2,550
Ginger Root (HI)			30	20
Hops			12,510	15,890
Peppermint Oil			29,660	
Potatoes, All ³	464,910	428,610	457,180	423,350
Winter	4,650	4,450	4,650	4,450
Spring	29,460	28,000	28,410	27,400
Summer	21,730	19,630	20,720	18,700
Fall	409,060	376,520	403,390	372,800
Spearmint Oil			7,930	
Sweet Potatoes	40,710	42,130	39,460	40,790
Taro (HI) ⁵			150	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2008 crop year.

² Area planted for all purposes.

³ Total may not add due to rounding.

⁴ Acreage is not estimated.

⁵ Area is total hectares in crop, not harvested hectares.

Crop Summary: Yield and Production, United States, 2007-2008
(Metric Units) ¹

Crop	Yield		Production	
	2007	2008	2007	2008
	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>
Grains & Hay				
Barley	3.25	3.42	4,611,940	5,214,450
Corn for Grain	9.48	9.65	332,092,180	305,319,370
Corn for Silage	39.26		96,459,140	
Hay, All ²	5.47	5.58	136,353,500	136,531,300
Alfalfa	7.51	7.71	65,838,930	64,794,760
All Other	4.36	4.47	70,514,560	71,736,540
Oats	2.18	2.28	1,329,560	1,286,530
Proso Millet	1.81		376,820	
Rice	8.05	7.80	8,956,450	9,229,520
Rye	1.72	1.86	201,020	202,680
Sorghum for Grain	4.66	3.95	12,827,410	11,818,430
Sorghum for Silage	34.87		5,629,990	
Wheat, All ²	2.72	3.02	56,246,960	68,025,900
Winter	2.84	3.17	41,258,460	50,835,990
Durum	2.28	2.21	1,950,970	2,309,970
Other Spring	2.49	2.73	13,037,520	14,879,930
Oilseeds				
Canola	1.40	1.70	659,450	677,140
Cottonseed ³			5,977,170	4,198,450
Flaxseed	1.06		149,970	
Mustard Seed	0.68		14,440	
Peanuts	3.45	3.75	1,667,070	2,264,920
Rapeseed	1.46		590	
Safflower	1.36		94,800	
Soybeans for Beans	2.81	2.64	72,823,940	79,485,410
Sunflower	1.61	1.62	1,309,100	1,567,000
Cotton, Tobacco & Sugar Crops				
Cotton, All ²	0.99	0.94	4,181,810	2,963,880
Upland	0.97	0.93	3,996,350	2,867,210
Amer-Pima	1.59	1.41	185,460	96,670
Sugarbeets	57.38	60.07	28,950,080	25,563,560
Sugarcane	76.38	77.02	27,187,420	27,071,300
Tobacco	2.46	2.53	353,760	365,110
Dry Beans, Peas & Lentils				
Austrian Winter Peas	1.29	1.38	5,760	5,010
Dry Edible Beans	1.92	1.99	1,150,810	1,165,780
Dry Edible Peas	2.20	1.63	721,350	549,750
Lentils	1.29	1.01	154,580	108,540
Wrinkled Seed Peas ³			24,540	
Potatoes & Misc.				
Coffee (HI)	1.31	1.30	3,400	3,310
Ginger Root (HI)	39.23	33.63	1,270	820
Hops	2.18	2.18	27,330	34,580
Peppermint Oil	0.10		3,080	
Potatoes, All ²	44.33	44.08	20,266,830	18,661,200
Winter	24.10	25.78	112,170	114,760
Spring	31.65	32.40	899,020	887,820
Summer	37.21	36.26	770,970	677,940
Fall	45.82	45.55	18,484,660	16,980,690
Spearmint Oil	0.14		1,080	
Sweet Potatoes	20.79		820,190	
Taro (HI) ³			1,810	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2008 crop year.

² Production may not add due to rounding.

³ Yield is not estimated.

Fruits and Nuts Production, United States, 2007-2009
(Metric Units) ¹

Crop	Production		
	2007	2008	2009
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Citrus ²			
Grapefruit	1,475,990	1,423,370	1,251,010
Lemons	723,930	637,750	741,170
Oranges	6,917,280	9,223,350	8,299,830
Tangelos (FL)	50,800	61,690	61,690
Tangerines	327,490	444,520	435,450
Noncitrus			
Apples	4,134,000	4,192,190	
Apricots	80,250	78,780	
Bananas (HI)	8,940		
Grapes	6,366,620	6,537,260	
Olives (CA)	120,200	58,970	
Papayas (HI)	15,150		
Peaches	1,023,980	992,320	
Pears	791,930	745,480	
Prunes, Dried (CA)	75,300	108,860	
Prunes & Plums (Ex CA)	10,980	17,060	
Nuts & Misc.			
Almonds (CA) (shelled)	630,490	680,390	
Hazelnuts (OR) (in-shell)	33,570	30,840	
Pecans (in-shell)	174,770	85,760	
Walnuts (CA) (in-shell)	294,840	340,190	
Maple Syrup	6,290	8,170	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2008 crop year, except citrus which is for the 2008-09 season.

² Production years are 2006-07, 2007-08, and 2008-09.

Cotton: Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 6 cotton producing States during 2008. Randomly selected plots in cotton fields are visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are actual field counts from this survey.

Cotton: Cumulative Boll Counts, Selected States, 2004-2008 ¹

State	Month	2004	2005	2006	2007	2008
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AR	Sep	864	811	859	790	943
	Oct	771	728	814	839	810
	Nov	753	733	849	849	852
	Dec	754	733	824	849	846
	Final	754	733	824	849	
GA	Sep	646	667	648	616	587
	Oct	690	689	675	570	613
	Nov	686	767	774	707	733
	Dec	687	767	790	708	742
	Final	687	767	790	708	
LA	Sep	635	746	760	796	655
	Oct	707	768	781	808	578
	Nov	691	775	786	841	579
	Dec	691	775	785	841	579
	Final	691	775	785	841	
MS	Sep	808	818	700	819	909
	Oct	789	729	699	745	679
	Nov	780	724	695	747	728
	Dec	780	722	695	747	722
	Final	780	722	695	747	
NC	Sep	758	799	637	527	667
	Oct	719	693	641	601	652
	Nov	732	721	671	625	702
	Dec	733	721	671	625	704
	Final	733	721	671	625	
TX	Sep	639	620	530	602	633
	Oct	672	516	477	538	513
	Nov	593	586	533	631	579
	Dec	624	585	544	632	573
	Final	624	585	544	632	

¹ Includes small bolls (less than one inch in diameter), large unopened bolls (at least one inch in diameter), open bolls, partially opened bolls, and burrs per 40 feet of row. November, December, and Final exclude small bolls.

2008 Potato Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 7 fall potato producing States during 2008. These 7 States account for 84 percent of the fall potato production. Sample plots were located in potato fields randomly selected using a scientifically designed sampling procedure. Field workers recorded counts and measurements within the field and then harvested six hills per sample. Potatoes were sent to laboratories for sizing and grading according to accepted U.S. fresh grading standards.

Fall Potatoes: Number of Hills by Type, Seven Objective Yield States, 2007-2008^{1 2}

State	Crop Year	Reds		Whites		Yellows		Russets	
		Number of Samples	Avg No. Hills per Acre	Number of Samples	Avg No. Hills per Acre	Number of Samples	Avg No. Hills per Acre	Number of Samples	Avg No. Hills per Acre
ID	2007	3	17,356	8	14,131	4	13,626	264	12,134
	2008			10	12,682			270	12,536
ME	2007	6	12,874	63	13,098	11	13,418	68	9,629
	2008	8	13,785	50	12,655	9	13,228	69	9,603
MN	2007	43	12,936	5	11,070			82	12,293
	2008	43	13,278	8	11,854			83	12,309
ND	2007	29	10,741	23	11,367			81	12,105
	2008	16	11,499	25	11,743			88	12,311
OR	2007			25	14,051	3	13,042	91	12,409
	2008			24	14,555	7	13,136	91	13,591
WA	2007	6	16,271	18	14,292			154	15,087
	2008	5	15,012	24	14,600			129	14,852
WI	2007	11	14,950	34	13,823			77	12,875
	2008	17	14,957	35	15,077			77	12,693

¹ Based on row measurements and counts in potato fields selected for objective yield samples.

² Missing data represents insufficient number of samples.

**Fall Potatoes: Harvest Loss by Type, Seven Objective
Yield States, 2007-2008^{1 2}**

State	Crop Year	Reds	Whites	Yellows	Russets	All Types
		<i>Cwt per Acre</i>	<i>Cwt per Acre</i>	<i>Cwt per Acre</i>	<i>Cwt per Acre</i>	<i>Cwt per Acre</i>
ID	2007				26	27
	2008				31	30
ME	2007		18		16	17
	2008		23	10	20	20
MN	2007	10	15		30	21
	2008	15			25	21
ND	2007	17	22		34	27
	2008	14	18		32	27
OR	2007		44		29	30
	2008		20		35	31
WA	2007		14		20	19
	2008		14		24	22
WI	2007		13		11	11
	2008	7	10		10	10

¹ Potatoes left in the field at time of harvest. Based on counts in potato fields selected for postharvest samples.

² Missing data represents insufficient number of samples.

**Fall Potatoes: Grading Categories by Type and State,
2007-2008¹**

Type and State	No. 1 2 Inch Minimum ²		No. 2 or Processing Usable 1 1/2 Inch Minimum ²		Cull ³	
	2007	2008	2007	2008	2007	2008
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Round Red Potatoes						
MN	77.9	76.7	17.3	17.0	4.8	6.4
ND	70.2	81.4	23.2	14.7	6.6	4.0
WI	79.8	76.5	18.8	23.3	1.4	0.2
Round White Potatoes						
ME ⁴	89.1	76.3	8.7	11.9	2.2	11.7
ND	67.5	85.6	17.7	9.2	14.8	5.3
OR		85.0		9.1		5.9
WA	90.0		8.9		1.1	
WI	77.6	73.0	20.9	26.8	1.5	0.2
Yellow Potatoes						
ME ⁴	82.0	82.2	12.2	10.2	5.8	7.6
Long Potatoes (Russet and Shepody)						
ID ⁵	71.9	70.3	27.1	20.6	1.0	9.0
ME ⁴	68.8	65.5	18.6	20.0	12.6	14.5
MN	73.1	72.9	19.4	21.0	7.5	6.1
ND	70.9	76.5	21.1	18.3	8.0	5.2
OR	73.4	77.1	24.9	18.0	1.7	4.9
WA	76.0	80.3	22.1	15.6	1.9	4.1
WI	83.0	84.2	16.0	15.6	1.0	0.1

¹ Gross yield basis.

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

³ Potatoes not meeting the requirements for US #1 or US #2, as stated in United States Standards for Grades of Potatoes, United States Department of Agriculture, Agricultural Marketing Service.

⁴ Percent of net yield - adjusted for field loss.

⁵ Russets only.

**Round Potatoes: Size Categories by Type and State,
2007-2008^{1 2}**

Year Type State and	Inches						
	1 1/2 - 1 7/8	1 7/8 - 2	2 - 2 1/4	2 1/4 - 2 1/2	2 1/2 - 3 1/2	3 1/2 - 4	4 Inch and over
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
2007							
Red Potatoes							
MN	5.7	4.3	14.3	22.3	52.7	0.5	0.2
ND	7.4	6.0	13.9	18.5	50.1	4.1	
WI	7.9	5.8	16.0	20.4	44.6	5.3	
White Potatoes							
ME ³	0.9	1.3	10.5	20.8	60.7	4.9	0.9
ND	6.6	7.6	16.1	23.9	41.7	2.6	1.5
WA	3.2	2.5	8.5	11.7	61.5	10.9	1.7
WI	3.1	3.2	9.9	14.5	64.8	4.2	0.3
Yellow Potatoes							
ME ³	1.5	2.5	8.4	12.5	65.5	9.6	
2008							
Red Potatoes							
MN	4.6	3.3	11.0	18.4	60.8	2.0	
ND	3.3	3.4	10.3	18.3	62.8	2.0	
WI	9.2	6.9	20.2	26.3	36.9	0.5	
White Potatoes							
ME ³	0.5	4.1	11.9	19.7	59.6	3.0	1.2
ND	4.6	3.8	12.4	18.3	56.2	4.0	0.8
OR	3.0	4.5	9.3	17.0	49.9	15.0	1.2
WI	4.4	4.2	11.0	13.2	60.0	5.8	1.5
Yellow Potatoes							
ME ³							

¹ Gross yield basis.

² Missing data represents insufficient number of samples.

³ Percent of net yield - adjusted for field loss.

**Long Potatoes (Russet & Shepody): Size Categories
Maine, 2007-2008 ¹**

Crop Year	Inches			Ounce				
	1 1/2 - 1 7/8	1 7/8 - 2	2 in. or 4-6	6-8	8-10	10-12	12-14	14 and Over
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
2007	6.3	5.4	33.6	20.7	14.6	7.9	5.6	5.9
2008	5.5	7.1	33.2	19.6	12.6	8.3	5.9	7.8

¹ Percent of net yield - adjusted for field loss.

**Long Potatoes (Russet & Shepody): Size Categories
by State, 2007-2008 ¹**

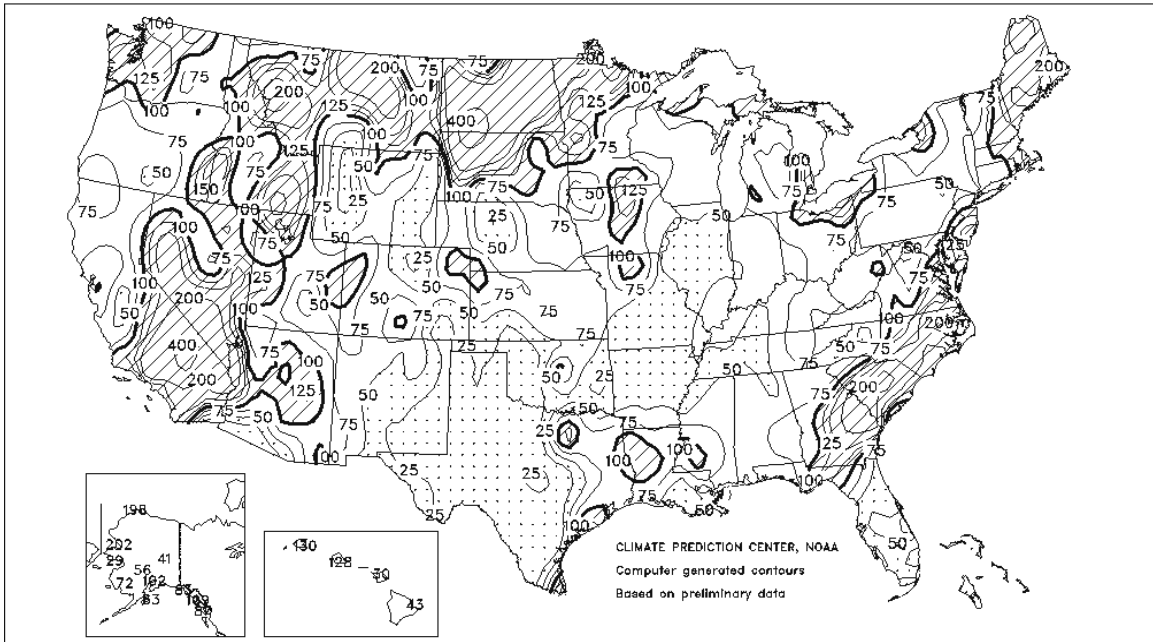
State and Year	Inches			Ounce									
	1 1/2 - 1 5/8	1 5/8 - 1 7/8	1 7/8 - 2	2 in. or 4-6	6	7	8	9	10	11	12	13	14 and Over
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
2007													
ID ²	1.9	6.5	3.8	22.8	10.0	9.1	7.2	6.2	5.9	5.3	4.1	2.9	14.3
MN	1.3	5.2	4.9	22.3	11.0	10.8	7.9	7.1	6.1	5.9	3.4	3.4	10.7
ND	0.8	6.5	3.5	25.8	11.8	10.2	9.4	8.1	5.9	5.1	3.5	2.2	7.2
OR	1.3	4.2	3.3	21.5	9.3	8.5	8.6	6.7	6.3	5.6	5.1	3.6	16.0
WA	0.9	3.8	2.9	22.0	9.5	9.1	8.2	7.5	6.6	5.8	4.7	3.8	15.2
WI	0.3	4.4	3.6	23.7	10.3	8.3	9.3	8.2	5.4	5.0	3.3	3.2	15.0
2008													
ID ²	1.3	6.2	5.2	26.4	9.7	8.5	7.5	7.1	5.3	4.2	3.7	3.0	11.9
MN	2.4	8.5	5.4	29.0	10.5	9.1	8.3	6.0	5.3	4.5	2.9	1.8	6.3
ND	1.0	5.7	3.9	24.9	11.1	10.0	9.4	7.4	5.7	4.5	3.0	3.2	10.3
OR	1.4	4.9	3.9	24.5	10.8	8.8	7.2	8.0	5.8	5.5	3.9	3.4	12.1
WA	0.6	3.5	3.3	24.7	10.3	9.6	8.4	7.7	6.5	5.2	4.3	3.2	12.7
WI	0.6	6.0	5.6	32.0	11.6	8.9	7.6	6.6	5.0	4.4	3.4	2.5	5.7

¹ Gross yield basis.

² Russets only.

Percent Of Normal Precipitation

November 2008



November Weather Summary

A mid-month pattern change brought repeated surges of cold air into the Midwest, South, and East, following a mild start to November. As a result, monthly temperatures averaged at least 5 degrees F below normal at several locations in the Southeast. Hard freezes (temperatures of 28 degrees F or lower) as far south as northern Florida slowed the growth of Southeastern pastures and winter grains. In contrast, November temperatures averaged as much as 5 to 10 degrees F above normal from the Great Basin to the northern High Plains.

The majority of the U.S. noted drier-than-normal weather during November. Exceptions to the dry pattern included parts of the northern Plains (largely due to an early-month winter storm), the Southwest (from the passage of a single, late-month storm), and portions of the Deep South and Atlantic coastal plain. The Pacific Northwest (west of the Cascades) endured heavy rain and flooding early in the month, but experienced mostly dry weather thereafter. Meanwhile, little or no rain fell during November across Florida's peninsula and the south-central U.S.

Despite drier-than-normal November weather in many winter wheat-producing areas, conditions remained mostly favorable as the crop began to slip into dormancy. The southeastern Plains, largely bypassed by beneficial rains during the wheat establishment period in September and October, were a notable exception. Pockets of unfavorable dryness also persisted across the interior Northwest. In the Southeast, late-autumn fieldwork included winter wheat planting and cotton and soybean harvesting. Elsewhere, harvesting of cotton and sorghum advanced on the Plains, while the much-delayed corn harvest neared completion by month's end across the northern and western Corn Belt.

November Agricultural Summary

Seventy-one percent of the corn crop had been harvested by November 9, nearly 2 weeks behind the 5-year average pace due to late planting and delay in development. Over much of the Corn Belt, precipitation amounts were below normal, allowing activity to pick up. By November 23, eighty-nine percent of the crop was harvested, 8 points behind the 5-year average. At that time, harvest was complete in Kentucky, North Carolina, and Tennessee. Corn growers in many States were nearing completion of harvest by month's end. In North Dakota, however, harvest remained nearly 2 weeks behind, and in South Dakota, harvest was 22 points behind the average.

Throughout the month, temperatures remained mostly warmer than average for November with less precipitation than usual. Sorghum development was nearly complete by November 9, at the same pace as the 5-year average. At that time, 69 percent of the crop was harvested, 12 points behind the 5-year average, and producers in the Mississippi Delta region had completed harvest. The harvest pace picked up significantly, reaching 88 percent complete by November 24, three points behind the 5-year average.

Throughout the month, temperatures were warmer than normal across the northern tier of the country, and much of the Pacific Northwest remained drier than normal, while elsewhere, precipitation levels were near normal to normal. By November 9, ninety-four percent of the winter wheat planting was complete, at the same pace of the 5-year average. Eighty-three percent of the crop had emerged, 1 point behind the average. Development was delayed in the Pacific Northwest and Missouri and emergence was complete in Ohio and Nebraska. Planting was nearly complete with 96 percent of the crop seeded by November 16. By the same date, 92 percent of winter wheat acreage had emerged, 1 point ahead of the usual development pace. Michigan, Nebraska, Ohio, and South Dakota acreage reached fully emerged by November 23. While condition of the crop was rated 68 percent good to excellent in early November, by month's end, it had declined 3 points to 65 percent good to excellent.

Soybean harvest was 93 percent complete by November 9, comparable to the usual pace. By the end of the following week, harvest was 95 percent complete, just 1 point behind the 5-year average. Harvest was complete in many States and was within 9 points of the average in all States.

Sunflower harvest was 12 points behind by November 9, at 70 percent harvested. Harvest was behind the 5-year average in all States. By November 23, producers had reaped 85 percent of the crop, 12 points behind normal. Harvest was most active in Kansas.

Cotton acreage was 54 percent harvested by November 9, nine points behind the 5-year average. Harvest was nearing completion in Missouri and Tennessee. Harvest in California was 26 percent behind the 5-year average. On November 16, harvest was complete in Missouri. By November 23, harvest had occurred on 73 percent of acreage, only 3 points behind the 5-year average. Harvest was complete in Arkansas as well as Missouri by this time.

Crop Comments

Cotton: Upland cotton harvested area, at 7.59 million acres, is unchanged from last month but down 26 percent from last year. American-Pima harvested acres are unchanged from last month but down 41 percent from last year.

In the Southeastern region, harvest activities were delayed during the first part of the month by rain and a slow moving cold front. By the end of the month, harvest was progressing normally throughout the region. In Alabama, harvest progress was nearing completion slightly ahead of normal. Objective yield measurements in Georgia show bolls per acre to be slightly above the 5-year average.

In the Delta, harvest was complete throughout the region. In Missouri and Tennessee, ideal weather during the fall allowed the harvest to be completed ahead of normal. Objective yield data for Louisiana show the bolls per acre to be the lowest in the last 7 years and the weight per boll to be lowest in the last 9 years. In Arkansas, objective yield measurements show bolls per acre to be highest in the last 10 years. In Mississippi, the bolls per acre are below average, but the boll weights are above average.

Ideal weather during November allowed Texas producers to harvest their crop without interruptions. Due to the late planted crop and the abnormally cool summer, harvest was behind normal in the Panhandle. Objective yield measurements in Texas show boll weights to be the second heaviest in the last 10 years. In Kansas and Oklahoma, harvest was behind last year and normal.

In California and Arizona, upland cotton harvest was behind last year and normal due to the cool weather experienced during the early fall months.

American-Pima production is forecast at 444,000 bales, down 3 percent from November and down 48 percent from last year. The U.S. yield is forecast at 1,254 pounds per acre, down 42 pounds from last month and down 165 pounds from 2007. California producers are expecting 400,000 bales, down 5 percent from last month and 50 percent from last year. Harvest was nearly complete throughout the growing area.

All cotton ginned totaled 8,946,350 running bales prior to December 1, compared with 12,592,650 running bales ginned prior to the same date last year and 15,139,650 running bales ginned by December 1, 2006.

Papayas: Hawaii fresh papaya production is estimated at 2.97 million pounds for October 2008, up 21 percent from September but 11 percent lower than a year ago. Total crop acreage for October is estimated at 2,210 acres, relatively unchanged from September but up 5 percent from October 2007. Harvested area totaled 1,350 acres, up 5 percent from the previous month but 12 percent lower than October 2007. Weather conditions during October were mostly sunny, but heavy rains fell in parts of the State around mid-month helping to replenish soil moisture levels in those areas. However, drought conditions were still evident in many locations, and fruit development and growth were slower in orchards dependant on natural rainfall. Large fields were being cleared for replanting.

Fall Potatoes: Production of fall potatoes for 2008 is forecast at 374 million cwt, up slightly from the November forecast but down 8 percent from 2007. Area harvested, at 921,200 acres, is virtually unchanged from the November forecast but 8 percent lower than last year. The average yield, forecast at 406 cwt per acre, is down 1 cwt from November's forecast and down 3 cwt from last year's record high yield.

Idaho's yield is forecast at 378 cwt per acre. If realized, this will be the second highest yield on record, 8 cwt below the record yield set in 2006. Production in Idaho is down from last year due to a 13 percent decrease in harvested acres. In eastern Washington, potatoes were planted on time, but growth was delayed due to cool, wet weather in the early summer, which also delayed planting in the western part of the State. Potato size was smaller than last year, but quality was good. In Colorado, the growing season was favorable for the San Luis Valley, however, severe hail storms in August damaged plants just before vine killing. As a result, potato sizes were variable. Despite a slow start for the potato crop in Oregon, most growers reported normal to slightly below normal yields. In California, favorable weather conditions resulted in excellent crop quality and yields.

In North Dakota, crop condition was rated fair to good throughout the growing season. Wisconsin growers reported a smaller crop with good quality potatoes. In Michigan, there were low disease and insect pressures across the State and

harvest was mostly complete by early November.

In Maine, a wet growing season resulted in below average potato yields. Dry weather in September promoted excellent harvest and storage conditions. Massachusetts potato farmers battled wet conditions during the season, while growing conditions were excellent in Rhode Island.

All Potatoes: Total U.S. potato production in 2008 from all four seasons is forecast at 411 million cwt, virtually unchanged from the November forecast but down 8 percent from last year. Harvested area, at 1.05 million acres, decreased 7 percent from 2007. Yield is forecast at 393 cwt per acre, down 3 cwt from last year's record high.

Dry Beans: U.S. dry edible bean production is forecast at 25.7 million cwt for 2008, up 2 percent from the October forecast and up 1 percent from 2007. Planted area is forecast at 1.50 million acres, up slightly from the October forecast but down 2 percent from 2007. Harvested area is forecast at 1.45 million acres, 2 percent above the October forecast but 2 percent below the previous year's harvested acreage. The average U.S. yield is forecast at 1,775 pounds per acre, an increase of 1 pound from October's forecast and 59 pounds above the 2007 yield. If realized, this will be the highest yield on record for the U.S.

Production is expected to be lower than 2007 in 9 of the 18 producing States, primarily due to reduced acreage. If realized, Nebraska and New York will have their highest dry bean yields on record, at 2,350 and 1,880 pounds per acre, respectively. Production increased from a year ago for all classes except pinto, large chickpeas, blackeye peas, and small limas. Production remained unchanged for small white.

In North Dakota, harvest began mid-September, two weeks behind the five-year average, and was complete by early November. Michigan harvest was behind normal due to continued rains. Harvest was only 31 percent complete at the end of September, compared with 71 percent at the same time last year and a 5-year average of 67 percent. In Minnesota, the crop was 69 percent harvested as of September 28.

Grapefruit: The forecast of the 2008-09 U.S. grapefruit crop is 1.38 million tons, unchanged from the October 1 forecast but 12 percent lower than 2007-08 final utilization of 1.57 million tons. Florida's grapefruit production is forecast at 23.0 million boxes (978 million tons), unchanged from the October forecast but 14 percent below last season. Arizona, California, and Texas grapefruit production forecasts are carried over from the October forecast.

The Florida all white grapefruit forecast is 7.00 million boxes (298,000 tons), unchanged from October but down 22 percent from 2007-08 final utilization. The colored grapefruit forecast, at 16.0 million boxes (680,000 tons), is unchanged from the October 1 forecast but 9 percent lower than last season. If realized, this will be the lowest Florida grapefruit crop since the 1944-45 season, other than the hurricane-reduced 2004-05 and 2005-06 crops. Fruit growth for white grapefruit was higher than what was earlier forecasted. Size is near the maximum of the past eight non-hurricane seasons, while drop is only slightly higher than average. The overall quality of colored grapefruit was reported as very good, and 72 percent of the harvested fruit had been certified as fresh.

Tangelos: Florida's tangelo forecast is 1.50 million boxes (68,000 tons), unchanged from the October 1 forecast and equal to last season's final production. The size of the fruit this season is slightly above average but the drop rate is below average. As of December 1, approximately 6 percent of the crop had been harvested.

Tangerines and Mandarins: The U.S. tangerine and mandarin crop is forecast at 480,000 tons, unchanged from the October 1 forecast but down 2 percent from the 2007-08 season. Florida's tangerine crop is forecast at 4.90 million boxes (233,000 tons), unchanged from October but down 11 percent from 2007-08 final utilization. Sunburst tangerines were being harvested for the fresh market and the Fallglo variety harvest was complete. Fruit droppage of the Sunburst variety is well above average. Harvest of the late Honey tangerine variety is expected to begin in January. Arizona and California tangerine and mandarin production forecasts are carried forward from October.

Florida Citrus: Weather conditions were favorable for citrus crops during the month of November. Overall, temperatures were 3 to 5 degrees F cooler than average in all citrus producing counties, and less than an inch of rain fell in most locations. Maturity was ahead of past seasons, with high ratios of sugar solids to acid and good juice content.

Harvesting of Fallglo tangerines and Ambersweet oranges was relatively complete for the season. Fresh fruit harvesting was limited by small sizes on Sunburst tangerines and low demand for fresh oranges and grapefruit. The

industry anticipates that gift fruit sales and fund raising programs will assist in moving the remaining fresh early oranges and tangerines.

All processing plants had opened by the end of November. Not all plants were running at full capacity, but processing was expected to rapidly increase during the first few weeks of December. Grove activity included applying herbicides, mowing, and spraying to prevent the citrus psyllid. Scouting for greening and removal of affected trees continued.

California Citrus: Valencia oranges were packed during November meeting demand trends. Most of the remaining fruit was being field harvested directly for juice or headed for the domestic market. Navel orange harvest continued, with lagging fruit color and high sugar content. Varieties of navels picked included Early Beck, Bonanza, Fukumoto, and Washington. Lemons were harvested and supplies were plentiful for most sizes. Mandarin varieties picked and packed included Owari satsumas and Fina clementines. Satsuma mandarins were showing high maturity. Chandler pummelos, and Melogold and Cocktail grapefruit were also harvested. Citrus harvest had slowed in some areas due to low market prices.

California Noncitrus Fruits and Nuts: Post-harvest activities were underway in grape vineyards during November, including irrigation, soil treatments, pruning, shredding, and treatments for weed, disease, and insect control. Several table and wine grape varieties continued to be harvested and shipped. A small portion of the raisin crop remained to be boxed. Irrigation, pruning, and insect and weed treatments were underway in stone fruit and pomegranate orchards, and new pomegranate orchards were being planted. Early Foothill, Wonderful, and Flamingo pomegranate harvest continued. Rain caused splitting on some pomegranate fruit still on the tree. Angeleno plums and Flavor Fall pluots were harvested. Other fruit harvested during November included quince, kiwifruit, Fuyu and Hachiya persimmons, apples, Asian pears, olives, and jujubes. Strawberry harvest was concentrated in the Oxnard district. New blueberry bushes were planted. Almond, pistachio, and walnut harvests were nearing completion but hullers remained busy. Nut trees that had entered dormancy were being pruned and zinc was applied to some trees to burn off leaves. Pre-plant fumigations were also underway and some new almond and pistachio orchards were already being planted.

Pecans: Production is forecast at 189 million pounds utilized (in-shell basis), down 7 percent from the October 1 forecast and 51 percent from last year's crop. Alabama, Georgia, Louisiana, Oklahoma, and Texas have lower production expectations than on October 1, reducing their forecasts by 13, 7, 29, 38, and 6 percent, respectively. Nationally, improved varieties are expected to produce 163 million pounds or 86 percent of the total, while native and seedling varieties, at 26.5 million pounds, make up the remaining 14 percent of production. The 2008 crop is expected to be smaller than last year's mainly due to the alternate bearing pattern typical of pecans. Exceptions to the down-cycle are in Kansas and Missouri, where trees have recovered from the severe Easter 2007 freeze, and in North and South Carolina, where conditions have been more favorable than last season.

In Georgia, production is expected to total 65.0 million pounds, 7 percent less than October 1 and 57 percent below last year. Georgia pecan growers continued to assess the effects of Hurricane Fay and the drought. Some growers found hurricane damage greater than expected; there was more damage to the tops of trees than anticipated. Nut quality is reported to be excellent.

New Mexico's forecast of 45.0 million pounds is unchanged from October 1. The forecast is down 39 percent from last year and 4 percent from 2006. Although delayed by warm weather, harvest is underway. Conditions are mostly good. In Texas, total production is forecast at 30.0 million pounds, 6 percent less than the October forecast and down 57 percent from the 2007 crop. This latest forecast lowers production from improved orchards by 2.00 million pounds, but leaves expectations from native and seedling varieties the same as in October. Hurricane Ike blew nuts off of the trees, resulting in an average crop.

The Arizona forecast is 15.5 million pounds, unchanged from the prior forecast but 33 percent less than last year. Some growers reported wind damage and issues with lack of water. Oklahoma's crop is forecast at 8.00 million pounds, a 38 percent decrease from the October forecast and down 73 percent from 2007. The southern portion of the State has a small crop following a very good crop last year. In northern Oklahoma, many producers lost their entire crop to ice storms and late freezes, but areas that escaped the ice reported good to excellent crops.

The Alabama crop is expected to total 7.00 million pounds, down 13 percent from October and 30 percent from the 2007 production. Dry weather, limited fertilization, and limb damage from Hurricanes Fay and Gustav contributed to low production. In Louisiana, the crop is forecast at 5.00 million pounds, down 29 percent from October and

64 percent less than in 2007. Pecan trees across the State were hit hard by Hurricanes Gustav and Ike, which lowered crop prospects below early season forecasts. Harvest was 73 percent complete by December 1, compared with the 5-year average of 79 percent.

Sugarcane: Production of sugarcane for sugar and seed in 2008 is forecast at 29.8 million tons, of which 28.4 million tons is expected to be for sugar and 1.45 million tons for seed. Total production for sugar and seed is down fractionally from the November forecast and the 2007 production. Sugarcane growers intend to harvest 868,500 acres for sugar and seed during the 2008 crop year, unchanged from November but down 1 percent from last year. Yield is forecast at 34.4 tons per acre, the same as last month but 0.3 ton above last year.

Harvested acreage of sugarcane for sugar and seed was down in Hawaii, Louisiana, and Texas when compared with last year, but up in Florida. Yields are forecasted higher than last year in all sugarcane-producing States except Louisiana, where the effects of Hurricane Gustav contributed to a decrease in yield of 3.4 tons per acre from last year's yield.

Coffee: Hawaii coffee production is estimated at 7.30 million pounds (parchment basis) for the 2008-09 season, down 3 percent from the previous season. Harvested area is estimated at 6,300 acres, down 2 percent from the 2007-08 season. Coffee production in Maui, Honolulu, and Kauai Counties is up from the previous season. In Kona, the primary growing area on the island of Hawaii, coffee harvest for the 2008-09 season is down. Bean quality was reported as good, but some farmers were expecting lower yields due to dry weather and vog (volcanic haze).

Puerto Rico coffee production for the 2008-09 season is estimated at 16.5 million pounds (parchment basis), down 6 percent from the previous season. Heavy rain, landslides, flooding, and high winds from a tropical depression in September had a negative impact on the 2008-09 coffee crop.

Reliability of December 1 Crop Production Forecast

Cotton Survey Procedures: Objective yield surveys were conducted between November 24 and December 1 to gather information on expected yields as of December 1. The objective yield survey for cotton was conducted in producing States that usually account for approximately 75 percent of the U.S. production. At crop maturity, the fruit is harvested and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss.

Orange Survey Procedures: The orange objective yield survey for the December 1 forecast was conducted in Florida, which produces about 75 percent of the U.S. production. Bearing tree numbers are determined at the start of the season based on a fruit tree census conducted every other year, combined with ongoing review based on administrative data or special surveys. From mid-July to mid-September, the number of fruit per tree is determined. In September and subsequent months, fruit size measurement and fruit droppage surveys are conducted, which combined with the previous components are used to develop the current forecast of production. Arizona, California, and Texas conduct grower and packer surveys on a quarterly basis, in October, January, April, and July. California conducts an objective measurement survey in September for navel oranges and in March for Valencia oranges.

Cotton Estimating Procedures: National and State level objective yield estimates for cotton were reviewed for errors, reasonableness, and consistency with historical estimates. For cotton, reports from cotton ginners in each State were also considered. Each cotton State Field Office submits its analysis of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the survey data and the State analyses to prepare the published December 1 forecast.

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

Revision Policy: The December 1 production forecasts will not be revised. For cotton, a new estimate will be made in January followed by end-of-season revisions in May. Administrative records are reviewed and revisions are made, if data relationships warrant changes. Harvested acres may be revised any time a production forecast is made, if there is strong evidence that the intended harvested area has changed since the last estimate.

For oranges, the December 1 production forecasts will not be revised. A new forecast will be made each month throughout the growing season. End-of-season estimates will be published in the *Citrus Fruits Summary* released in September. The production estimates are based on all data available at the end of the marketing season, including information from marketing orders, shipments, and processor records. Allowances are made for recorded local utilization and home use.

Reliability: To assist users in evaluating the reliability of the December 1 production forecasts, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the December 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of squared percentage deviations for the latest 20-year period is computed. The square root of the average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years.

The "Root Mean Square Error" for the December 1 cotton production forecast is 1.4 percent. This means that chances are 2 out of 3 that the current cotton production forecast will not be above or below the final estimate by more than 1.4 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 2.4 percent.

Changes between the December 1 cotton forecast and the final estimates during the past 20 years have averaged 197,000 bales, ranging from 40,000 to 456,000 bales. The December 1 forecast for cotton has been below the final estimate 13 times and above 7 times. The difference does not imply that the December 1 forecasts this year are likely to understate or overstate final production.

The "Root Mean Square Error" for the December 1 orange production forecast is 7.5 percent. However, if you exclude the six abnormal production years (three freeze seasons and two hurricane seasons), the "Root Mean Square Error" is

3.7 percent. This means that chances are 2 out of 3 that the current orange production forecast will not be above or below the final estimate by more than 7.5 percent, or 3.7 percent excluding abnormal seasons. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 13.0 percent, or 6.5 percent excluding abnormal seasons.

Changes between the December 1 orange forecast and the final estimates during the past 20 years have averaged 504,000 tons (350,000 tons excluding abnormal seasons), ranging from 17,000 tons to 2.01 million tons (17,000 tons to 764,000 tons, excluding abnormal seasons). The December 1 forecast for oranges has been below the final estimate 7 times and above 13 times (below 7 times and above 8 times, excluding abnormal seasons). The difference does not imply that the December 1 forecasts this year are likely to understate or overstate final production.

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