



Crop Production

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Corn Production Up 1 Percent from October Soybeans Down 1 percent All Cotton Up 1 percent

Corn grain production is forecast at 9.54 billion bushels, up 1 percent from last month but down 2 percent from 1998. Based on November 1 conditions, yields are expected to average 134.5 bushels per acre, up 1.0 bushel from last month and up 0.1 bushel from a year ago. If realized, this would be the third largest production and the second highest yield on record. Acreage for harvest is estimated at 70.9 million acres, unchanged from last month. Ideal weather conditions allowed rapid harvest progress and limited harvest loss throughout the Corn Belt.

Soybean production is forecast at 2.67 billion bushels, down 1 percent from October 1 and down 2 percent from last year's record of 2.74 billion bushels. The yield forecast, at 36.7 bushels per acre, decreased 0.3 bushels from last month and is 2.2 bushels below the 1998 final yield. Acreage for harvest is estimated at a record 72.8 million acres, is unchanged from October 1 but up 3 percent from 1998.

All cotton production is forecast at 16.5 million 480-pound bales, up 100,500 bales from last month, and up 19 percent from 1998. Yield is expected to average 592 pounds per harvested acre, down 33 pounds from last year. Lower production forecasts of Upland cotton in Alabama, North Carolina, and South Carolina were more than offset by increased production forecasts in Arizona, Arkansas, California, Louisiana, Missouri, and Tennessee. On November 7, U.S. harvest was 72 percent complete, compared to the 5-year average of 70 percent.

This report was approved on November 10, 1999.



Acting Secretary of
Agriculture
Richard E. Rominger



Agricultural Statistics Board
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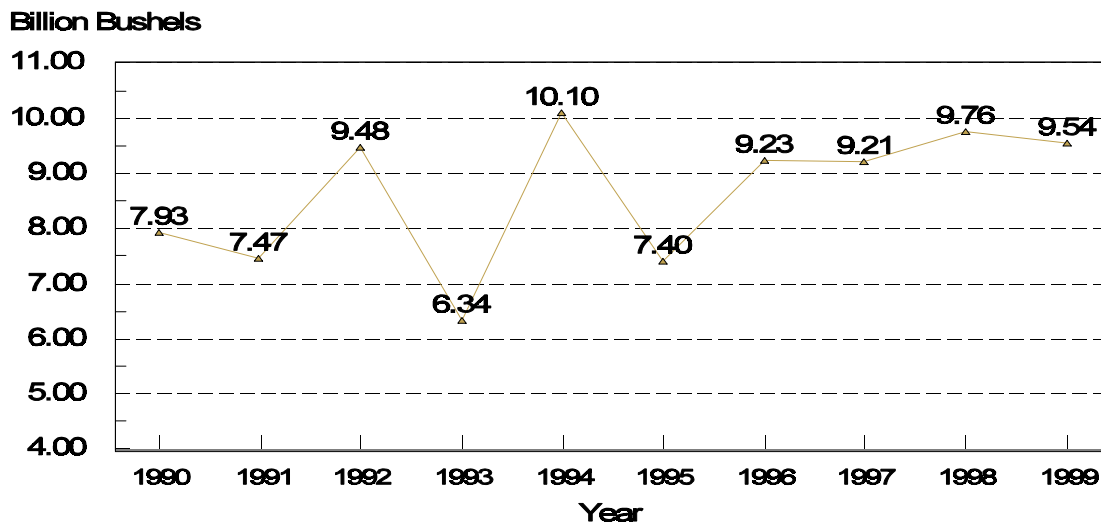
**Corn for Grain: Area Harvested, Yield, and Production by State
and United States, 1998 and Forecasted November 1, 1999**

State	Area Harvested		Yield			Production	
	1998	1999	1998	1999		1998	1999
				Oct 1	Nov 1		
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AL	200	210	63.0	100.0	102.0	12,600	21,420
AZ ¹	30	30	175.0	190.0	190.0	5,250	5,700
AR ¹	215	135	100.0	125.0	125.0	21,500	16,875
CA	260	235	160.0	185.0	185.0	41,600	43,475
CO	1,070	1,130	145.0	144.0	144.0	155,150	162,720
CT ²							
DE	155	154	100.0	84.0	84.0	15,500	12,936
FL ¹	55	40	62.0	88.0	88.0	3,410	3,520
GA	265	260	85.0	95.0	95.0	22,525	24,700
ID ¹	52	55	150.0	155.0	155.0	7,800	8,525
IL	10,450	10,650	141.0	146.0	146.0	1,473,450	1,554,900
IN	5,550	5,750	137.0	128.0	130.0	760,350	747,500
IA	12,200	11,800	145.0	150.0	149.0	1,769,000	1,758,200
KS	2,850	2,800	147.0	142.0	139.0	418,950	389,200
KY	1,180	1,240	115.0	98.0	100.0	135,700	124,000
LA ¹	540	410	81.0	127.0	127.0	43,740	52,070
ME ²							
MD	400	400	109.0	85.0	85.0	43,600	34,000
MA ²							
MI	2,050	1,900	111.0	123.0	130.0	227,550	247,000
MN	6,750	6,700	153.0	143.0	146.0	1,032,750	978,200
MS ¹	500	320	86.0	110.0	110.0	43,000	35,200
MO	2,500	2,600	114.0	97.0	100.0	285,000	260,000
MT ¹	18	19	115.0	135.0	135.0	2,070	2,565
NE	8,550	8,250	145.0	140.0	140.0	1,239,750	1,155,000
NH ²							
NJ ¹	98	60	92.0	40.0	40.0	9,016	2,400
NM ¹	85	90	165.0	170.0	170.0	14,025	15,300
NY	580	590	114.0	99.0	100.0	66,120	59,000
NC	770	640	70.0	78.0	78.0	53,900	49,920
ND	825	810	107.0	107.0	111.0	88,275	89,910
OH	3,340	3,100	141.0	124.0	125.0	470,940	387,500
OK ¹	220	310	130.0	135.0	135.0	28,600	41,850
OR ¹	33	35	190.0	190.0	190.0	6,270	6,650
PA	1,050	1,030	111.0	76.0	78.0	116,550	80,340
RI ²							
SC	275	260	40.0	70.0	70.0	11,000	18,200
SD	3,550	3,250	121.0	110.0	115.0	429,550	373,750
TN	620	560	96.0	98.0	100.0	59,520	56,000
TX	1,850	1,730	100.0	138.0	138.0	185,000	238,740
UT ¹	24	22	141.0	143.0	143.0	3,384	3,146
VT ²							
VA	300	320	84.0	80.0	80.0	25,200	25,600
WA ¹	100	140	190.0	195.0	195.0	19,000	27,300
WV ¹	34	35	80.0	65.0	65.0	2,720	2,275
WI	2,950	2,800	137.0	145.0	148.0	404,150	414,400
WY ¹	60	55	127.0	130.0	130.0	7,620	7,150
US	72,604	70,925	134.4	133.5	134.5	9,761,085	9,537,137

¹ Estimates for current year carried forward from an earlier forecast.

² Not estimated.

U.S. Corn Production



Sorghum for Grain: Area Harvested, Yield, and Production by State and United States, 1998 and Forecasted November 1, 1999

State	Area Harvested		Yield			Production	
	1998	1999	1998	1999		1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Bushels</i>	<i>Oct 1</i>	<i>Nov 1</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AL ¹	6	8	45.0	50.0	50.0	270	400
AR	130	115	53.0	74.0	76.0	6,890	8,740
CO	185	200	57.0	48.0	44.0	10,545	8,800
GA ¹	30	30	38.0	50.0	50.0	1,140	1,500
IL	107	97	74.0	77.0	90.0	7,918	8,730
KS	3,300	3,400	80.0	73.0	77.0	264,000	261,800
KY ¹	8	7	80.0	80.0	80.0	640	560
LA	125	250	60.0	80.0	80.0	7,500	20,000
MS	36	56	65.0	85.0	85.0	2,340	4,760
MO	320	310	83.0	70.0	73.0	26,560	22,630
NE	600	450	94.0	87.0	89.0	56,400	40,050
NM	65	135	45.0	55.0	55.0	2,925	7,425
NC ¹	12	11	45.0	57.0	57.0	540	627
OK	340	400	45.0	50.0	50.0	15,300	20,000
SC ¹	3	4	35.0	45.0	45.0	105	180
SD	140	110	71.0	58.0	58.0	9,940	6,380
TN ¹	16	16	70.0	75.0	75.0	1,120	1,200
TX	2,300	2,900	46.0	63.0	63.0	105,800	182,700
US	7,723	8,499	67.3	68.3	70.2	519,933	596,482

¹ Estimates for current year carried forward from an earlier forecast.

**Rice: Area Harvested, Yield, and Production by State
and United States, 1998 and Forecasted November 1, 1999**

State	Area Harvested		Yield			Production	
	1998	1999	1998	1999		1998	1999
				Oct 1	Nov 1		
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
AR	1,525	1,640	5,800	5,900	6,000	88,420	98,400
CA	478	548	6,840	7,500	7,000	32,698	38,360
LA	620	625	4,530	5,000	5,000	28,107	31,250
MS	268	323	5,800	5,700	5,700	15,544	18,411
MO ¹	143	176	5,200	5,100	5,100	7,436	8,976
TX	283	259	5,600	6,100	6,300	15,846	16,317
US	3,317	3,571	5,669	5,945	5,929	188,051	211,714

¹ Estimates for the current year carried forward from an earlier forecast.

**Rice: Production by Class, United States,
1997-98 and Forecasted November 1, 1999**

Year	Long Grain	Medium Grain	Short Grain	All
	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
1997	124,485	57,091	1,416	182,992
1998	141,624	44,453	1,974	188,051
1999 ¹	152,008	55,945	3,761	211,714

¹ Indicated November 1, 1999, rice class estimates are based on a 5-year average of class percentages. The class percentages are adjusted as data become available through the growing season.

**Potatoes: Area Planted, Area Harvested, Yield, and Production,
by Seasonal Group, State, and United States, 1998-99**

Seasonal Group and State	Area Planted		Area Harvested		Yield		Production	
	1998	1999	1998	1999	1998	1999	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Cwt</i>	<i>Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
Winter ¹								
Total	15.5	18.1	15.0	17.8	199	229	2,980	4,070
Spring ¹								
Total	93.0	87.7	90.6	85.8	233	270	21,121	23,205
Summer ¹								
Total	73.0	69.0	68.1	64.4	278	289	18,933	18,606
Fall								
CA	10.3	9.0	10.3	9.0	360	445	3,708	4,005
CO	75.8	77.2	75.7	77.0	335	345	25,360	26,565
ID	410.0	400.0	408.0	398.0	338	339	138,000	134,980
10 SW Co	28.0	26.0	28.0	26.0	450	470	12,600	12,220
Other ID	382.0	374.0	380.0	372.0	330	330	125,400	122,760
IN	5.3	5.2	5.0	4.9	320	270	1,600	1,323
ME	65.5	65.0	64.5	63.0	280	285	18,060	17,955
MA	2.9	2.9	2.9	2.9	235	260	682	754
MI	47.0	48.0	46.5	47.5	315	310	14,648	14,725
MN	82.0	70.0	73.0	60.0	290	340	21,170	20,400
MT	10.6	11.0	10.6	10.9	300	295	3,180	3,216
NE	22.0	21.6	21.8	21.2	375	420	8,175	8,904
NV	7.0	6.5	7.0	6.5	400	435	2,800	2,828
NM	6.2	6.6	5.9	6.6	380	320	2,242	2,112
NY	27.6	26.0	27.0	25.5	270	265	7,290	6,758
ND	126.0	121.0	122.0	112.0	235	240	28,670	26,880
OH	5.1	4.8	4.8	4.7	250	210	1,200	987
OR	59.0	56.0	58.0	55.5	452	509	26,229	28,230
Malheur	11.5	10.5	11.4	10.5	400	460	4,560	4,830
Other OR	47.5	45.5	46.6	45.0	465	520	21,669	23,400
PA	14.5	14.5	14.0	14.0	240	220	3,360	3,080
RI	0.7	0.6	0.7	0.6	210	225	147	135
SD	5.0	3.5	4.8	3.4	260	290	1,248	986
UT	2.7	2.0	2.6	2.0	280	290	728	580
WA	165.0	170.0	165.0	170.0	565	560	93,225	95,200
WI	84.5	86.0	83.5	85.0	370	410	30,895	34,850
WY	0.4	0.5	0.4	0.5	300	295	120	148
Total	1,235.1	1,207.9	1,214.0	1,180.7	356	369	432,737	435,601
US	1,416.6	1,382.7	1,387.7	1,348.7	343	357	475,771	481,482

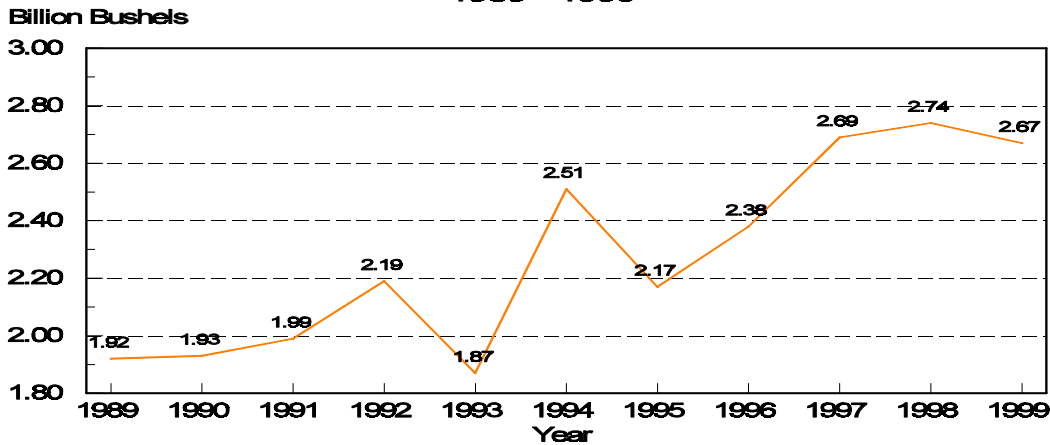
¹ Estimates for current year carried forward from an earlier forecast.

**Soybeans for Beans: Area Harvested, Yield, and Production by State
and United States, 1998 and Forecasted November 1, 1999**

State	Area Harvested		Yield			Production	
	1998	1999	1998	1999		1998	1999
				Oct 1	Nov 1		
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AL	320	200	22.0	16.0	16.0	7,040	3,200
AR	3,400	3,400	25.0	26.0	27.0	85,000	91,800
DE	216	201	33.0	26.0	26.0	7,128	5,226
FL ¹	30	19	23.0	30.0	30.0	690	570
GA	220	200	21.0	20.0	18.0	4,620	3,600
IL	10,550	10,750	44.0	42.0	43.0	464,200	462,250
IN	5,500	5,680	42.0	39.0	38.0	231,000	215,840
IA	10,350	10,850	48.0	48.0	45.0	496,800	488,250
KS	2,500	2,650	30.0	27.0	28.0	75,000	74,200
KY	1,200	1,100	30.0	19.0	19.0	36,000	20,900
LA	1,070	1,010	21.0	25.0	25.0	22,470	25,250
MD	460	450	31.0	26.0	26.0	14,260	11,700
MI	1,890	1,990	39.0	40.0	40.0	73,710	79,600
MN	6,800	6,900	42.0	42.0	41.0	285,600	282,900
MS	2,000	1,950	24.0	25.0	26.0	48,000	50,700
MO	5,000	5,300	34.0	27.0	28.0	170,000	148,400
NE	3,750	4,300	44.0	43.0	42.0	165,000	180,600
NJ ¹	113	108	28.0	22.0	22.0	3,164	2,376
NY ¹	97	108	41.0	40.0	40.0	3,977	4,320
NC	1,415	1,300	27.0	24.0	23.0	38,205	29,900
ND	1,475	1,480	32.0	34.0	36.0	47,200	53,280
OH	4,390	4,600	44.0	37.0	37.0	193,160	170,200
OK ¹	340	480	18.0	26.0	26.0	6,120	12,480
PA ¹	395	360	40.0	28.0	28.0	15,800	10,080
SC	500	470	21.0	21.0	20.0	10,500	9,400
SD	3,400	3,860	39.0	35.0	35.0	132,600	135,100
TN	1,210	1,040	29.0	17.0	19.0	35,090	19,760
TX	270	320	22.0	31.0	31.0	5,940	9,920
VA	480	460	23.0	26.0	27.0	11,040	12,420
WI	1,100	1,250	47.0	48.0	47.0	51,700	58,750
US	70,441	72,786	38.9	37.0	36.7	2,741,014	2,672,972

¹ Estimates for current year carried forward from an earlier forecast.

**U.S. Soybean Production
1989 - 1999**



**Peanuts: Area Harvested, Yield, and Production by State
and United States, 1998 and Forecasted November 1, 1999**

State	Area Harvested		Yield			Production ¹	
	1998	1999	1998	1999		1998	1999
				Oct 1	Nov 1		
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
AL	197.0	198.0	2,195	2,200	2,200	432,415	435,600
FL	90.0	88.0	2,590	2,600	2,900	233,100	255,200
GA	537.0	538.0	2,815	2,600	2,600	1,511,655	1,398,800
NM	22.0	19.0	2,820	2,700	2,800	62,040	53,200
NC	124.5	115.0	3,190	2,450	2,200	397,155	253,000
OK	75.0	78.0	2,130	2,600	2,700	159,750	210,600
SC	11.5	11.5	2,450	2,700	2,600	28,175	29,900
TX	335.0	315.0	2,740	3,100	3,100	917,900	976,500
VA	75.0	74.0	2,950	2,900	2,900	221,250	214,600
US	1,467.0	1,436.5	2,702	2,660	2,664	3,963,440	3,827,400

¹ Estimates comprised of quota and non-quota peanuts.

**Cottonseed: Production, United States,
1997-98 and Forecasted November 1, 1999**

State	Production		
	1997	1998	1999 ¹
	<i>1,000 Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>
US	6,934.6	5,365.4	6,255.0

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

**Cotton: Area Harvested, Yield, and Production by Type, State,
and United States, 1998 and Forecasted November 1, 1999**

Type and State	Area Harvested		Yield			Production ¹	
	1998	1999	1998	1999		1998	1999
				Oct 1	Nov 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	475.0	560.0	559	557	540	553.0	630.0
AZ	248.0	239.0	1,177	1,155	1,205	608.0	600.0
AR	900.0	960.0	645	665	710	1,209.0	1,420.0
CA	620.0	585.0	887	1,190	1,231	1,146.0	1,500.0
FL ³	80.0	88.0	489	524	524	81.5	96.0
GA	1,280.0	1,450.0	578	530	530	1,542.0	1,600.0
KS ³	16.5	28.0	404	411	411	13.9	24.0
LA	525.0	595.0	586	686	702	641.0	870.0
MS	940.0	1,180.0	737	716	716	1,444.0	1,760.0
MO	357.0	375.0	471	550	582	350.0	455.0
NM ³	60.3	67.0	640	716	716	80.4	100.0
NC	705.0	810.0	699	501	462	1,026.0	780.0
OK	120.0	170.0	560	480	480	140.0	170.0
SC	286.0	315.0	587	518	450	350.0	295.0
TN	445.0	565.0	589	442	476	546.0	560.0
TX	3,300.0	5,000.0	524	461	461	3,600.0	4,800.0
VA ³	91.0	109.0	765	819	819	145.1	186.0
US	10,448.8	13,096.0	619	576	581	13,475.9	15,846.0
Amer-Pima							
AZ	15.5	11.2	830	814	836	26.8	19.5
CA	180.0	259.0	941	1,149	1,112	352.8	600.0
NM	7.3	7.0	658	686	686	10.0	10.0
TX	32.0	32.0	791	825	825	52.7	55.0
US	234.8	309.2	904	1,093	1,063	442.3	684.5
All							
AL	475.0	560.0	559	557	540	553.0	630.0
AZ	263.5	250.2	1,156	1,140	1,188	634.8	619.5
AR	900.0	960.0	645	665	710	1,209.0	1,420.0
CA	800.0	844.0	899	1,177	1,194	1,498.8	2,100.0
FL ³	80.0	88.0	489	524	524	81.5	96.0
GA	1,280.0	1,450.0	578	530	530	1,542.0	1,600.0
KS ³	16.5	28.0	404	411	411	13.9	24.0
LA	525.0	595.0	586	686	702	641.0	870.0
MS	940.0	1,180.0	737	716	716	1,444.0	1,760.0
MO	357.0	375.0	471	550	582	350.0	455.0
NM	67.6	74.0	642	714	714	90.4	110.0
NC	705.0	810.0	699	501	462	1,026.0	780.0
OK	120.0	170.0	560	480	480	140.0	170.0
SC	286.0	315.0	587	518	450	350.0	295.0
TN	445.0	565.0	589	442	476	546.0	560.0
TX	3,332.0	5,032.0	526	463	463	3,652.7	4,855.0
VA ³	91.0	109.0	765	819	819	145.1	186.0
US	10,683.6	13,405.2	625	588	592	13,918.2	16,530.5

¹ Production ginned and to be ginned.

² 480-Lb. net weight bales.

³ Estimates for current year carried forward from previous forecast.

**Lentils: Area Planted, Harvested, Yield, and Production
by State and United States, 1998-99**

State	Area Planted		Area Harvested		
	1998	1999	1998	1999	
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	
ID	58.0	61.0	56.0	60.0	
WA	62.0	75.0	62.0	75.0	
Oth Sts ¹	42.0	46.0	40.5	39.5	
US	162.0	182.0	158.5	174.5	
	Yield		Production		
	1998	1999	1997	1998	1999
	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
ID	1,150	1,400	924	644	840
WA	1,350	1,300	1,115	837	975
Oth Sts ¹	1,130	1,450	367	457	572
US	1,223	1,368	2,406	1,938	2,387

¹ MT and ND.

**Dry Edible Peas: Area Planted, Harvested, Yield, and Production
by State and United States, 1998-99 ¹**

State	Area Planted		Area Harvested		
	1998	1999	1998	1999	
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	
ID	69.0	54.0	67.0	53.0	
WA	108.0	110.0	108.0	110.0	
Oth Sts ²	146.4	117.6	134.1	100.6	
US	323.4	281.6	309.1	263.6	
	Yield		Production		
	1998	1999	1997	1998	1999
	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
ID	1,700	1,900	1,554	1,139	1,007
WA	2,170	2,020	2,621	2,344	2,222
Oth Sts ²	1,830	1,790	1,577	2,451	1,801
US	1,920	1,908	5,752	5,934	5,030

¹ Excludes both wrinkled seed peas and Austrian winter peas.

² MT, NV, ND, and OR.

**Austrian Winter Peas: Area Planted, Harvested, Yield, and Production
by State and United States, 1998-99**

State	Area Planted		Area Harvested		
	1998	1999	1998	1999	
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	
ID	8.0	5.0	7.0	4.0	
OR	1.0	1.1	0.4	0.4	
US	9.0	6.1	7.4	4.4	
	Yield		Production		
	1998	1999	1997	1998	1999
	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>	<i>1,000 Cwt</i>
ID	1,400	1,400	108	98	56
OR	1,500	1,000	7	6	4
US	1,405	1,364	115	104	60

**Tobacco: Area Harvested, Yield, and Production by State
and United States, 1997-98 and Forecasted November 1, 1999**

State	Area Harvested		Yield		Production		
	1998	1999	1998	1999	1997	1998	1999
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
CT	2,815	2,980	1,519	1,660	4,128	4,276	4,946
FL	6,800	6,000	2,515	2,550	19,053	17,102	15,300
GA	41,000	33,000	2,200	1,900	89,225	90,200	62,700
IN	8,500	6,500	2,000	1,850	18,690	17,000	12,025
KY	226,260	226,350	1,961	1,777	497,928	443,628	402,313
MD	6,500	6,500	1,400	1,400	12,000	9,100	9,100
MA	1,265	1,220	1,413	1,725	1,913	1,788	2,104
MO ¹	2,700	2,300	2,130	1,950	7,035	5,751	4,485
NC	251,100	208,400	2,197	2,144	731,199	551,730	446,810
OH	9,800	9,800	1,830	1,720	22,230	17,934	16,856
PA	7,800	6,200	2,015	1,802	17,020	15,720	11,170
SC	45,000	39,000	2,050	2,150	126,360	92,250	83,850
TN	59,415	59,270	1,870	1,812	114,292	111,100	107,381
VA	45,000	38,600	2,131	2,221	117,576	95,898	85,735
WV ¹	1,600	1,700	1,350	1,300	3,060	2,160	2,210
WI	2,100	1,320	1,687	2,114	5,690	3,542	2,790
US	717,655	649,140	2,061	1,956	1,787,399	1,479,179	1,269,775

¹ Estimates for current year carried forward from an earlier forecast.

**Tobacco: Area Harvested, Yield, and Production by Class, Type,
State, and United States, 1998 and Forecasted November 1, 1999**

Class and Type	Area Harvested		Yield		Production	
	1998	1999	1998	1999	1998	1999
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
Class 1, Flue-cured						
Type 11, Old Belts						
NC	69,000	55,000	2,285	2,350	157,665	129,250
VA	33,000	26,000	2,220	2,350	73,260	61,100
US	102,000	81,000	2,264	2,350	230,925	190,350
Type 12, Eastern NC Belt						
NC	143,000	119,000	2,240	2,100	320,320	249,900
Type 13, NC Border & SC Belt						
NC	31,000	26,000	2,000	2,150	62,000	55,900
SC	45,000	39,000	2,050	2,150	92,250	83,850
US	76,000	65,000	2,030	2,150	154,250	139,750
Type 14, GA-FL Belt						
FL	6,800	6,000	2,515	2,550	17,102	15,300
GA	41,000	33,000	2,200	1,900	90,200	62,700
US	47,800	39,000	2,245	2,000	107,302	78,000
Total 11-14	368,800	304,000	2,204	2,164	812,797	658,000
Class 2, Fire-cured						
Type 21, VA Belt						
VA	1,500	1,500	1,560	1,650	2,340	2,475
Type 22, Eastern District						
KY	3,850	3,650	2,315	2,200	8,913	8,030
TN	7,300	7,100	2,330	2,200	17,009	15,620
US	11,150	10,750	2,325	2,200	25,922	23,650
Type 23, Western District						
KY	3,600	3,450	2,805	2,600	10,098	8,970
TN	590	570	2,500	2,300	1,475	1,311
US	4,190	4,020	2,762	2,557	11,573	10,281
Total 21-23	16,840	16,270	2,365	2,238	39,835	36,406
Class 3, Air-cured						
Class 3A, Light Air-cured						
Type 31, Burley						
IN	8,500	6,500	2,000	1,850	17,000	12,025
KY	215,000	215,000	1,935	1,750	416,025	376,250
MO ¹	2,700	2,300	2,130	1,950	5,751	4,485
NC	8,100	8,400	1,450	1,400	11,745	11,760
OH	9,800	9,800	1,830	1,720	17,934	16,856
TN	51,000	51,000	1,795	1,750	91,545	89,250
VA	10,400	11,000	1,940	2,000	20,176	22,000
WV ¹	1,600	1,700	1,350	1,300	2,160	2,210
US	307,100	305,700	1,896	1,750	582,336	534,836
Type 32, Southern MD Belt						
MD	6,500	6,500	1,400	1,400	9,100	9,100
PA	3,300	3,000	1,900	1,750	6,270	5,250
US	9,800	9,500	1,568	1,511	15,370	14,350
Total 31-32	316,900	315,200	1,886	1,742	597,706	549,186

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**Tobacco: Area Harvested, Yield, and Production by Class, Type, State,
and United States, 1998 and Forecasted November 1, 1999 (continued)**

Class and Type	Area Harvested		Yield		Production	
	1998	1999	1998	1999	1998	1999
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
Class 3, Air-cured						
Class 3B, Dark						
Air-cured						
Type 35, One Sucker						
Belt						
KY	2,450	2,750	2,280	2,150	5,586	5,913
TN	525	600	2,040	2,000	1,071	1,200
US	2,975	3,350	2,238	2,123	6,657	7,113
Type 36, Green River						
Belt						
KY	1,360	1,500	2,210	2,100	3,006	3,150
Type 37, VA Sun-cured						
Belt						
VA	100	100	1,220	1,600	122	160
Total 35-37	4,435	4,950	2,206	2,106	9,785	10,423
Class 4, Cigar Filler						
Type 41, PA Seedleaf						
PA	4,500	3,200	2,100	1,850	9,450	5,920
Class 5, Cigar Binder						
Class 5A, CT Valley						
Binder						
Type 51, CT Valley						
Broadleaf						
CT	1,435	1,460	1,600	1,800	2,296	2,628
MA	925	870	1,445	1,815	1,337	1,579
US	2,360	2,330	1,539	1,806	3,633	4,207
Class 5B, WI Binder						
Type 54, Southern WI						
WI	1,500	940	1,735	2,200	2,603	2,068
Type 55, Northern WI						
WI	600	380	1,565	1,900	939	722
Total 54-55	2,100	1,320	1,687	2,114	3,542	2,790
Total 51-55	4,460	3,650	1,609	1,917	7,175	6,997
Class 6, Cigar Wrapper						
Type 61, CT Valley						
Shade-grown						
CT	1,380	1,520	1,435	1,525	1,980	2,318
MA	340	350	1,325	1,500	451	525
US	1,720	1,870	1,413	1,520	2,431	2,843
All Cigar Types						
Total 41-61	10,680	8,720	1,784	1,807	19,056	15,760
All Tobacco	717,655	649,140	2,061	1,956	1,479,179	1,269,775

¹ Estimates for current year carried forward from an earlier forecast.

Sugarbeets: Area Harvested, Yield, and Production by State and United States, 1997-98 and Forecasted November 1, 1999 ¹

State	Area Harvested		Yield		Production		
	1998	1999	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>
CA	100.0	110.0	28.3	31.0	2,970	2,830	3,410
CO	57.3	67.7	22.7	21.4	1,308	1,301	1,449
ID	203.0	210.0	27.1	24.2	5,210	5,501	5,082
MI	173.0	187.0	16.0	18.5	3,040	2,768	3,460
MN	458.0	466.0	21.2	20.4	8,251	9,710	9,506
MT	62.4	61.9	22.6	23.8	1,224	1,410	1,473
NE	47.4	66.7	19.7	19.5	1,013	934	1,301
NM ²					49		
ND	242.6	251.0	22.2	20.5	4,205	5,386	5,146
OH	1.1	1.2	17.3	19.0	17	19	23
OR	17.7	19.7	26.6	25.3	494	471	498
TX ²					270		
WA	35.8	27.0	33.3	31.4	595	1,192	848
WY	53.4	57.0	20.3	21.0	1,240	1,084	1,197
US	1,451.7	1,525.2	22.5	21.9	29,886	32,606	33,393

¹ Relates to year of intended harvest except for overwintered spring planted beets in CA.

² No acres planted in 1998 or 1999.

Sugarcane for Sugar and Seed: Area Harvested, Yield, and Production by State and United States, 1997-98 and Forecasted November 1, 1999

State	Area Harvested		Yield ¹		Production ¹		
	1998	1999	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>
FL	447.0	456.0	40.1	39.0	16,236	17,925	17,800
HI	32.5	35.0	86.1	84.0	3,009	2,798	2,941
LA	435.0	465.0	29.7	34.0	11,562	12,920	15,810
TX	32.6	31.2	32.6	33.5	902	1,064	1,045
US	947.1	987.2	36.6	38.1	31,709	34,707	37,596

¹ Net tons.

**Grapefruit: Utilized Production, Florida and United States,
1997-98, 1998-99, Forecasted October 1, and November 1, 1999 ¹**

Crop	Utilized Production							
	Boxes				Ton Equivalent			
	1997-98	1998-99	1999		1997-98	1998-99	1999	
			Oct 1	Nov 1			Oct 1	Nov 1
<i>1,000 Boxes ²</i>	<i>1,000 Boxes ²</i>	<i>1,000 Boxes ²</i>	<i>1,000 Boxes ²</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>	<i>1,000 Tons</i>	
White Seedless ³ FL	18,300	17,800	20,500	18,500	777	757	871	786
Colored Seedless ⁴ FL	30,600	28,700	29,000	27,000	1,301	1,220	1,233	1,148
Other ⁵ FL	650	550	500	500	28	23	21	21
All FL	49,550	47,050	50,000	46,000	2,106	2,000	2,125	1,955
US	63,150	61,400	64,150	60,150	2,593	2,520	2,635	2,465

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: FL-85.

³ Excludes White Seedless economic abandonment of 5,000,000 boxes in 1997-98.

⁴ Excludes Colored Seedless economic abandonment of 1,000,000 boxes in 1997-98.

⁵ November 1, 1999, Other (Seedy) grapefruit pulled forward from earlier forecast.

**Hazelnuts: Utilized Production, In-shell Basis, by State and United States,
1997-98 and Forecasted November 1, 1999**

State	Utilized Production		
	1997	1998	1999
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
OR	46,850	15,400	37,700
WA ¹	150	100	300
US	47,000	15,500	38,000

¹ Estimates for current year carried forward from earlier forecast.

Papayas: Area and Fresh Production, by Month, Hawaii, 1998-99

Month	Area				Fresh Production	
	Total in Crop		Harvested		1998	1999
	1998	1999	1998	1999		
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>
Sep	3,745	3,265	2,310	1,590	2,495	3,640
Oct	3,785	3,225	2,240	1,625	3,165	3,850

Fall Potatoes: Percent of Varieties Planted

The National Agricultural Statistics Service conducts variety surveys in 8 major States, accounting for 88 percent of U. S. fall potato production. In the 7 Objective Survey States all producing areas of each State are sampled in proportion to planted acreage. Colorado data are from a special Potato Variety Survey. Variety data shown below are rounded actual percentages from these surveys.

**Fall Potatoes: Percent of Major Varieties Planted,
Selected States and 8 States Total, 1999 Crop**

State and Varieties	Pct. of Planted Acres	State and Varieties	Pct. of Planted Acres	State and Varieties	Pct. of Planted Acres
CO		MN (cont'd)		WI	
R Burbank	42.0	Norvalley	3.0	R Burbank	27.4
R Nugget	29.0	Norchip	2.8	R Norkotah	20.2
Centennial R	7.6	Shepody	2.4	Snowden	13.6
Sangre	2.5	Frito-Lay	1.4	Goldrush	10.6
Crestone R	1.4	Itasca	1.3	Norland	10.0
Yukon Gold	1.4	Cascade	1.0	Superior	5.2
Ranger R	1.2			Atlantic	3.9
		ND		Ranger R	1.1
ID		R Burbank	42.0	US (8 States)	
R Burbank	74.4	Frito-Lay	18.5	R Burbank	49.5
Ranger R	9.1	Norland	9.2	R Norkotah	12.3
R Norkotah	8.3	Norvalley	6.9	Ranger R	7.2
Shepody	4.2	Shepody	6.7	Shepody	5.7
		Goldrush	4.8	Norland	3.2
ME		Pontiac	2.0	Frito-Lay	2.8
R Burbank	26.1	La Soda	1.8	R Nugget	2.1
Ontario	17.5	Snowden	1.6	Goldrush	1.7
Shepody	15.0			Snowden	1.5
Frito-Lay	9.5	OR		Umatilla	1.1
Superior	7.8	R Burbank	42.9	Ontario	1.1
Atlantic	4.7	R Norkotah	21.4	Norvalley	1.0
Snowden	3.3	Ranger R	12.5	Superior	0.9
Katahdin	3.3	Shepody	12.5	Atlantic	0.7
Chieftain	2.3	Atlantic	1.8	Pontiac	0.6
Norwis	1.7	Yukon Gold	1.4	Centennial R	0.6
Yukon Gold	1.8	Snowden	1.2	La Soda	0.4
				Yukon Gold	0.3
MN		WA		Katahdin	0.2
R Burbank	49.3	R Burbank	41.3	Norchip	0.2
Norland	19.2	Ranger R	17.6	Sangre	0.2
Pontiac	5.3	R Norkotah	15.4	Chieftain	0.1
Goldrush	4.1	Shepody	10.8	Norwis	0.1
La Soda	3.1	Umatilla	6.7		

**Selected Small Grains: Area Planted, Selected States
and United States, 1999**

Crop	Area Planted		
	Montana	North Dakota	United States
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Oats	170	650	4,670
Barley	1,300	1,350	5,223
All Wheat	5,600	9,410	62,998
Winter	1,050	60	43,425
Durum	400	3,450	4,075
Other Spring	4,150	5,900	15,498

**Selected Small Grains: Area Harvested, Selected States
and United States, 1999**

Crop	Area Harvested		
	Montana	North Dakota	United States
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Oats	70	*330	*2,455
Barley	1,150	*1,240	*4,758
All Wheat	5,360	*8,657	*54,069
Winter	970	57	35,542
Durum	390	*3,000	*3,609
Other Spring	4,000	5,600	14,918

* Updated from "Small Grains 1999 Summary" released September 30, 1999.

**Selected Small Grains: Yield, Selected States
and United States, 1999**

Crop	Yield		
	Montana	North Dakota	United States
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>
Oats	*46.0	*51.0	*59.7
Barley	50.0	*48.0	*59.2
All Wheat	*29.0	*28.0	*42.7
Winter	38.0	37.0	47.8
Durum	*27.0	*24.0	*27.8
Other Spring	27.0	30.0	34.1

* Updated from "Small Grains 1999 Summary" released September 30, 1999.

**Selected Small Grains: Production, Selected States
and United States, 1999**

Crop	Production		
	Montana	North Dakota	United States
	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
Oats	*3,220	16,830	*146,506
Barley	57,500	*59,520	*281,853
All Wheat	*155,390	*242,109	*2,307,951
Winter	36,860	2,109	1,698,369
Durum	*10,530	*72,000	*100,402
Other Spring	108,000	168,000	509,180

* Updated from "Small Grains 1999 Summary" released September 30, 1999.

**Selected Small Grains: Stocks by Position, Selected States
and United States, September 1, 1999 ¹**

State	On Farms	Off Farms ²	Total All Positions
Oats			
	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
MT	2,800	75	2,875
ND	16,500	1,150	17,650
US	96,300	50,982	147,282
Barley			
MT	48,000	8,000	56,000
ND	45,000	24,000	69,000
US	165,100	129,845	294,945
Durum Wheat ³			
ND	81,000	12,800	93,800
Oth Sts	17,400	27,050	44,450
US	98,400	39,850	138,250
All Wheat			
MT	165,000	27,850	192,850
ND	245,000	69,300	314,300
US	893,060	1,556,196	2,449,256

¹ Updated from "Grains Stocks" released September 30, 1999.

² Included stocks at mills, elevators, warehouses, terminals, and processors.

³ Included in all wheat.

Wheat: Production by Class, United States, 1997-99 ¹

Year	Winter			Spring			Total
	Hard Red	Soft Red	White	Hard Red	White	Durum	
	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
1997	1,098,303	471,987	275,238	491,324	56,831	87,783	2,481,466
1998	1,179,452	442,677	258,604	486,370	42,099	138,119	2,547,321
1999	1,054,996	451,801	191,572	453,978	55,202	100,402	2,307,951

¹ Wheat class estimates are based on the latest varietal acreage survey data available.

Crop Summary: Area Planted and Harvested, United States, 1998-99
(Domestic Units) ¹

Crop	Area Planted		Area Harvested	
	1998	1999	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Grains & Hay				
Barley	6,337.0	5,223.0	5,864.0	4,758.0
Corn for Grain ²	80,187.0	77,611.0	72,604.0	70,925.0
Corn for Silage			5,919.0	
Hay, All			60,016.0	62,051.0
Alfalfa			23,642.0	23,968.0
All Other			36,374.0	38,083.0
Oats	4,892.0	4,670.0	2,755.0	2,455.0
Rice	3,345.0	3,600.0	3,317.0	3,571.0
Rye	1,566.0	1,582.0	418.0	383.0
Sorghum for Grain ²	9,626.0	9,299.0	7,723.0	8,499.0
Sorghum for Silage			305.0	
Wheat, All	65,821.0	62,998.0	59,002.0	54,069.0
Winter	46,449.0	43,425.0	40,126.0	35,542.0
Durum	3,805.0	4,075.0	3,728.0	3,609.0
Other Spring	15,567.0	15,498.0	15,148.0	14,918.0
Oilseeds				
Canola	1,127.0	1,095.0	1,092.0	1,067.0
Cottonseed				
Flaxseed	336.0	341.0	329.0	334.0
Mustard Seed	98.9	59.7	95.6	58.2
Peanuts	1,521.0	1,468.0	1,467.0	1,436.5
Rapeseed	4.8	3.5	4.7	3.5
Safflower	303.0	313.0	285.0	294.0
Soybeans for Beans	72,025.0	74,145.0	70,441.0	72,786.0
Sunflower	3,568.0	3,676.0	3,492.0	3,593.0
Cotton, Tobacco & Sugar Crops				
Cotton, All	13,392.5	14,601.2	10,683.6	13,405.2
Upland	13,064.3	14,283.0	10,448.8	13,096.0
Amer-Pima	328.2	318.2	234.8	309.2
Sugarbeets	1,498.8	1,560.6	1,451.7	1,525.2
Sugarcane			947.1	987.2
Tobacco			717.7	649.1
Dry Beans, Peas & Lentils				
Austrian Winter Peas	9.0	6.1	7.4	4.4
Dry Edible Beans	2,010.1	1,992.6	1,913.9	1,903.0
Dry Edible Peas	323.4	281.6	309.1	263.6
Lentils	162.0	182.0	158.5	174.5
Wrinkled Seed Peas				
Potatoes & Misc.				
Coffee (HI)			6.1	
Ginger Root (HI)			0.4	0.4
Hops			36.6	34.2
Peppermint Oil			124.0	
Potatoes, All	1,416.6	1,382.7	1,387.7	1,348.7
Winter	15.5	18.1	15.0	17.8
Spring	93.0	87.7	90.6	85.8
Summer	73.0	69.0	68.1	64.4
Fall	1,235.1	1,207.9	1,214.0	1,180.7
Spearmint Oil			27.4	
Sweet Potatoes	87.2	88.1	83.8	85.2
Taro (HI) ³			0.5	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 1999 crop year. ² Area planted for all purposes. ³ Acreage is total acres in crop, not harvested acreage.

Crop Summary: Yield and Production, United States, 1998-99
(Domestic Units)¹

Crop	Unit	Yield		Production	
		1998	1999	1998	1999
				<i>1,000</i>	<i>1,000</i>
Grains & Hay					
Barley	Bu	60.0	59.2	352,125	281,853
Corn for Grain	"	134.4	134.5	9,761,085	9,537,137
Corn for Silage	Ton	16.0		94,525	
Hay, All	"	2.52	2.60	151,338	161,385
Alfalfa	"	3.47	3.57	82,010	85,487
All Other	"	1.91	1.99	69,328	75,898
Oats	Bu	60.2	59.7	165,981	146,506
Rice ²	Cwt	5,669	5,929	188,051	211,714
Rye	Bu	29.1	28.7	12,161	10,993
Sorghum for Grain	"	67.3	70.2	519,933	596,482
Sorghum for Silage	Ton	11.4		3,487	
Wheat, All	Bu	43.2	42.7	2,547,321	2,307,951
Winter	"	46.9	47.8	1,880,733	1,698,369
Durum	"	37.0	27.8	138,119	100,402
Other Spring	"	34.9	34.1	528,469	509,180
Oilseeds					
Canola	Lb	1,455		1,588,620	
Cottonseed ³	Ton			5,365	6,255
Flaxseed	Bu	20.4		6,708	
Mustard Seed	Lb	855		81,750	
Peanuts	"	2,702	2,664	3,963,440	3,827,400
Rapeseed	"	1,353		6,360	
Safflower	"	1,446		412,085	
Soybeans for Beans	Bu	38.9	36.7	2,741,014	2,672,972
Sunflower	Lb	1,510	1,404	5,273,162	5,043,370
Cotton, Tobacco & Sugar Crops					
Cotton, All ²	Bale	625	592	13,918.2	16,530.5
Upland ²	"	619	581	13,475.9	15,846.0
Amer-Pima ²	"	904	1,063	442.3	684.5
Sugarbeets	Ton	22.5	21.9	32,606	33,393
Sugarcane	"	36.6	38.1	34,707	37,596
Tobacco	Lb	2,061	1,956	1,479,179	1,269,775
Dry Beans, Peas & Lentils					
Austrian Winter Peas ²	Cwt	1,405	1,364	104	60
Dry Edible Beans ²	"	1,611	1,669	30,828	31,755
Dry Edible Peas ²	"	1,920	1,908	5,934	5,030
Lentils ²	"	1,223	1,368	1,938	2,387
Wrinkled Seed Peas	"			674	
Potatoes & Misc.					
Coffee (HI)	Lb	1,560		9,500	
Ginger Root (HI)	"	50,000	46,000	18,000	16,100
Hops	"	1,625	1,813	59,548	62,080
Peppermint Oil	"	78		9,727	
Potatoes, All	Cwt	343	357	475,771	481,482
Winter	"	199	229	2,980	4,070
Spring	"	233	270	21,121	23,205
Summer	"	278	289	18,933	18,606
Fall	"	356	369	432,737	435,601
Spearmint Oil	Lb	109		2,987	
Sweet Potatoes	Cwt	148		12,382	
Taro (HI) ³	Lb			6,000	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 1999 crop year. ² Yield in pounds. ³ Yield is not estimated.

Fruits and Nuts Production, United States, 1998-00
(Domestic Units) ¹

Crop	Unit	Production		
		1998	1999	2000
		<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
Citrus ²				
Grapefruit	Ton	2,593	2,520	2,465
K-Early Citrus (FL)	"	2	4	3
Lemons	"	897	747	927
Oranges	"	13,670	9,886	12,110
Tangelos (FL)	"	128	115	117
Tangerines	"	360	327	416
Temples (FL)	"	101	81	95
Non-Citrus				
Apples	1,000 Lbs	11,387.4	10,614.8	
Apricots	Ton	118.3	130.0	
Bananas (HI)	Lb	21,000.0		
Grapes	Ton	5,903.0	6,554.9	
Olives (CA)	"	90.0	125.0	
Papayas (HI)	Lb	39,900.0		
Peaches	1,000 Lbs	2,429.3	2,502.1	
Pears	Ton	955.1	942.9	
Prunes, Dried (CA)	"	108.0	180.0	
Prunes & Plums (Ex CA)	"	25.6	25.1	
Nuts & Misc.				
Almonds (CA)	Lb	520,000	830,000	
Hazelnuts	Ton	15.5	38.0	
Pecans	Lb	146,400	323,900	
Pistachios (CA)	"	188,000	110,000	
Walnuts (CA)	Ton	227.0	280.0	
Maple Syrup	Gal	1,159	1,180	

¹ Data are the latest estimates available, either from the current report or from previous reports.

² Production years are 1997-98, 1998-99, and 1999-00.

Crop Summary: Area Planted and Harvested, United States, 1998-99
(Metric Units) ¹

Crop	Area Planted		Area Harvested	
	1998	1999	1998	1999
	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>
Grains & Hay				
Barley	2,564,520	2,113,700	2,373,100	1,925,520
Corn for Grain ²	32,450,880	31,408,400	29,382,110	28,702,640
Corn for Silage			2,395,360	
Hay, All ³			24,287,880	25,111,420
Alfalfa			9,567,680	9,699,610
All Other			14,720,190	15,411,810
Oats	1,979,740	1,889,900	1,114,920	993,510
Rice	1,353,690	1,456,880	1,342,360	1,445,150
Rye	633,740	640,220	169,160	155,000
Sorghum for Grain ²	3,895,550	3,763,210	3,125,420	3,439,460
Sorghum for Silage			123,430	
Wheat, All ³	26,637,100	25,494,660	23,877,520	21,881,180
Winter	18,797,450	17,573,660	16,238,590	14,383,490
Durum	1,539,850	1,649,110	1,508,680	1,460,530
Other Spring	6,299,810	6,271,890	6,130,240	6,037,170
Oilseeds				
Canola	456,090	443,140	441,920	431,800
Cottonseed				
Flaxseed	135,980	138,000	133,140	135,170
Mustard Seed	40,020	24,160	38,690	23,550
Peanuts	615,530	594,080	593,680	581,340
Rapeseed	1,940	1,420	1,900	1,420
Safflower	122,620	126,670	115,340	118,980
Soybeans for Beans	29,147,800	30,005,740	28,506,770	29,455,770
Sunflower	1,443,930	1,487,640	1,413,180	1,454,050
Cotton, Tobacco & Sugar Crops				
Cotton, All ³	5,419,810	5,908,960	4,323,550	5,424,950
Upland	5,286,990	5,780,190	4,228,520	5,299,820
Amer-Pima	132,820	128,770	95,020	125,130
Sugarbeets	606,550	631,560	587,490	617,230
Sugarcane			385,060	399,510
Tobacco			290,430	262,700
Dry Beans, Peas & Lentils				
Austrian Winter Peas	3,640	2,470	2,990	1,780
Dry Edible Beans	813,470	806,390	774,540	770,130
Dry Edible Peas	130,880	113,960	125,090	106,680
Lentils	65,560	73,650	64,140	70,620
Wrinkled Seed Peas				
Potatoes & Misc.				
Coffee (HI)			2,470	
Ginger Root (HI)			150	140
Hops			14,830	13,860
Peppermint Oil			50,180	
Potatoes, All ³	573,280	559,560	561,590	545,810
Winter	6,270	7,320	6,070	7,200
Spring	37,640	35,490	36,660	34,720
Summer	29,540	27,920	27,560	26,060
Fall	499,830	488,830	491,290	477,820
Spearmint Oil			11,090	
Sweet Potatoes	35,290	35,650	33,910	34,480
Taro (HI) ⁴			200	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 1999 crop year. ² Area planted for all purposes. ³ Total may not add due to rounding. ⁴ Area is total hectares in crop, not harvested hectares.

Crop Summary: Yield and Production, United States, 1998-99
(Metric Units)¹

Crop	Yield		Production	
	1998	1999	1998	1999
	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>
Grains & Hay				
Barley	3.23	3.19	7,666,620	6,136,620
Corn for Grain	8.44	8.44	247,942,980	242,254,440
Corn for Silage	35.80		85,751,640	
Hay, All ²	5.65	5.83	137,291,520	146,406,010
Alfalfa	7.78	8.00	74,398,220	77,552,500
All Other	4.27	4.47	62,893,300	68,853,510
Oats	2.16	2.14	2,409,210	2,126,530
Rice	6.35	6.65	8,529,850	9,603,190
Rye	1.83	1.80	308,900	279,240
Sorghum for Grain	4.23	4.41	13,206,910	15,151,340
Sorghum for Silage	25.63		3,163,350	
Wheat, All ²	2.90	2.87	69,326,720	62,812,130
Winter	3.15	3.21	51,185,160	46,222,030
Durum	2.49	1.87	3,758,980	2,732,490
Other Spring	2.35	2.30	14,382,570	13,857,610
Oilseeds				
Canola	1.63		720,590	
Cottonseed ³			4,867,410	5,674,440
Flaxseed	1.28		170,390	
Mustard Seed	0.96		37,080	
Peanuts	3.03	2.99	1,797,790	1,736,080
Rapeseed	1.52		2,880	
Safflower	1.62		186,920	
Soybeans for Beans	2.62	2.47	74,598,180	72,746,380
Sunflower	1.69	1.57	2,391,870	2,287,630
Cotton, Tobacco & Sugar Crops				
Cotton, All ²	0.70	0.66	3,030,330	3,599,090
Upland	0.69	0.65	2,934,030	3,450,060
Amer-Pima	1.01	1.19	96,300	149,030
Sugarbeets	50.35	49.08	29,579,670	30,293,620
Sugarcane	80.24	85.37	30,895,990	34,106,520
Tobacco	2.31	2.19	670,940	575,960
Dry Beans, Peas & Lentils				
Austrian Winter Peas	1.58	1.53	4,720	2,720
Dry Edible Beans	1.81	1.87	1,398,330	1,440,380
Dry Edible Peas	2.15	2.14	269,160	228,160
Lentils	1.37	1.53	87,910	108,270
Wrinkled Seed Peas			30,570	
Potatoes & Misc.				
Coffee (HI)	1.75		4,310	
Ginger Root (HI)	56.04	51.56	8,160	7,300
Hops	1.82	2.03	27,010	28,160
Peppermint Oil	0.09		4,410	
Potatoes, All ²	38.43	40.01	21,580,610	21,839,660
Winter	22.27	25.63	135,170	184,610
Spring	26.13	30.31	958,030	1,052,560
Summer	31.16	32.38	858,790	843,950
Fall	39.95	41.35	19,628,620	19,758,530
Spearmint Oil	0.12		1,350	
Sweet Potatoes	16.56		561,640	
Taro (HI) ³			2,720	

¹ Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 1999 crop year. ² Production may not add due to rounding. ³ Yield is not estimated.

Fruits and Nuts Production, United States, 1998-00
(Metric Units) ¹

Crop	Production		
	1998	1999	2000
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Citrus ²			
Grapefruit	2,352,330	2,286,110	2,236,210
K-Early Citrus (FL)	1,810	3,630	2,720
Lemons	813,740	677,670	840,960
Oranges	12,401,220	8,968,430	10,986,010
Tangelos (FL)	116,120	104,330	106,140
Tangerines	326,590	296,650	377,390
Temples (FL)	91,630	73,480	86,180
Non-Citrus			
Apples	5,165,240	4,814,790	
Apricots	107,320	117,930	
Bananas (HI)	9,530		
Grapes	5,355,070	5,946,510	
Olives (CA)	81,650	113,400	
Papayas (HI)	18,100		
Peaches	1,101,910	1,134,930	
Pears	866,490	855,380	
Prunes, Dried (CA)	97,980	163,290	
Prunes & Plums (Ex CA)	23,220	22,770	
Nuts & Misc.			
Almonds (CA)	235,870	376,480	
Hazelnuts	14,060	34,470	
Pecans	66,410	146,920	
Pistachios (CA)	85,280	49,900	
Walnuts (CA)	205,930	254,010	
Maple Syrup	5,790	5,900	

¹ Data are the latest estimates available, either from the current report or from previous reports.

² Production years are 1997-98, 1998-99, and 1999-00.

Corn for Grain: Objective Yield Data

The National Agricultural Statistics Service is conducting Objective Yield surveys in 7 corn producing States during 1999. Randomly selected plots in corn for grain fields are visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are rounded actual field counts from this survey.

**Corn for Grain: Plant Population per Acre,
Selected States, 1995-99**

State	Month	1995	1996	1997	1998	1999
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
IL	Sep	24,000	24,350	25,000	25,550	25,750
	Nov	23,650	24,200	24,900	25,400	25,650
IN	Sep	23,900	23,550	23,700	24,350	25,250
	Nov	24,000	23,500	23,800	24,300	25,100
IA	Sep	24,800	25,000	25,700	25,700	25,850
	Nov	24,650	24,950	25,500	25,600	25,900
MN	Sep	26,400	26,500	26,300	27,750	26,750
	Nov	26,350	26,600	26,600	27,650	26,800
NE	Sep	22,600	22,750	22,850	23,350	23,200
	Nov	22,500	22,700	22,850	23,050	23,100
OH	Sep	23,400	23,100	23,450	25,350	25,000
	Nov	23,300	22,750	23,500	25,450	25,000
WI	Sep	24,600	24,800	24,750	26,600	26,050
	Nov	24,000	24,900	24,800	25,850	26,200

**Corn for Grain: Number of Ears per Acre,
Selected States, 1995-99**

State	Month	1995	1996	1997	1998	1999
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
IL	Oct	22,900	23,700	23,500	24,300	24,950
	Nov	22,850	23,600	23,400	24,300	24,850
IN	Oct	23,000	22,750	22,150	23,450	23,950
	Nov	22,950	22,700	22,150	23,350	23,900
IA	Oct	24,050	24,350	24,600	24,250	25,300
	Nov	24,000	24,250	24,550	24,300	25,300
MN	Oct	25,750	26,400	26,150	27,550	26,700
	Nov	25,700	26,450	25,900	27,550	26,650
NE	Oct	21,800	22,600	21,900	22,500	22,650
	Nov	21,700	22,550	21,900	22,500	22,600
OH	Oct	22,650	22,300	22,500	24,800	24,100
	Nov	22,500	22,000	22,300	25,000	24,050
WI	Oct	23,600	24,250	24,350	24,950	25,700
	Nov	23,250	24,650	24,300	24,850	25,700

**Corn for Grain: Frequency of Farmer Reported Row Widths,
Selected States, 1995-99**

State	Year	Row Width (inches)				
		Less than 30	30	36	38	More than 38
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
IL	1995	1	203	39	24	
	1996		198	29	25	1
	1997	1	223	36	20	1
	1998	3	215	35	26	
	1999	2	221	34	16	1
IN	1995	3	148	28	8	
	1996		119	23	4	
	1997		149	25	5	
	1998	2	143	19	8	
	1999	1	147	17	7	
IA	1995		178	30	79	2
	1996	2	183	24	69	
	1997	1	200	32	59	
	1998	2	208	24	54	
	1999	1	215	30	52	
MN	1995	9	114	16	22	
	1996	3	121	22	18	1
	1997	10	126	21	16	
	1998	9	127	26	13	1
	1999	18	124	14	14	1
NE	1995	1	98	79	16	2
	1996		116	91	20	1
	1997		135	92	18	
	1998	1	140	84	8	
	1999	1	148	73	12	1
OH	1995		121	7	7	
	1996	1	84	9	5	2
	1997	1	99	10	7	1
	1998	2	104	6	8	1
	1999		110	6	4	
WI	1995	1	59	13	44	2
	1996	1	45	17	19	2
	1997	2	50	14	36	1
	1998	3	58	8	26	
	1999		60	8	25	2

Corn for Grain: Percentage Distribution by Measured Row Width and Average Row Width, Selected States, 1995-99

State	Year	Number of Samples	Row Width (inches)						Average Row Width
			20.5 or less	20.6-30.5 ¹	30.6-34.5	34.6-36.5	36.6-38.5	38.6 & Greater	
		<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Inches</i>
IL	1995	268		56.7	19.4	10.5	12.3	1.1	31.9
	1996	257		63.4	14.4	10.9	9.3	2.0	31.7
	1997	270		61.4	17.8	11.9	7.4	1.5	31.6
	1998	267		64.5	14.6	9.7	10.5	0.7	31.5
	1999	269	0.4	63.6	18.6	7.4	9.3	0.7	31.4
IN	1995	175		59.4	21.8	11.4	6.3	1.1	31.4
	1996	146		60.3	21.2	8.9	7.5	2.1	31.5
	1997	169		67.4	16.6	9.5	4.7	1.8	31.3
	1998	168	1.2	57.7	25.0	9.5	5.4	1.2	31.2
	1999	161		62.7	23.0	5.0	6.8	2.5	31.3
IA	1995	288		45.2	14.6	7.6	21.9	10.7	33.3
	1996	281		47.3	19.2	7.5	19.6	6.4	32.7
	1997	281	0.7	48.8	19.2	8.2	19.9	3.2	32.5
	1998	275	0.4	53.1	19.6	8.0	13.8	5.1	32.1
	1999	286		53.6	17.1	9.8	12.9	6.6	32.5
MN	1995	163		64.4	12.2	6.8	14.1	2.5	31.3
	1996	165		60.6	13.9	13.9	7.9	3.7	31.8
	1997	167	0.6	58.6	17.4	10.2	11.4	1.8	31.4
	1998	169	0.6	62.0	17.2	10.1	7.7	2.4	31.1
	1999	162		63.5	19.8	4.3	9.3	3.1	30.6
NE	1995	205		36.1	15.6	28.3	16.1	3.9	33.6
	1996	234		38.0	11.6	35.0	12.8	2.6	33.4
	1997	230		37.4	17.0	30.4	13.5	1.7	33.1
	1998	224	0.4	41.1	17.9	27.2	12.1	1.3	32.8
	1999	227	0.4	43.3	19.8	23.3	11.0	2.2	32.6
OH	1995	132		56.1	30.3	2.3	8.3	3.0	31.5
	1996	101		64.4	17.8	5.9	9.9	2.0	31.4
	1997	113	0.9	62.8	18.6	8.0	4.4	5.3	31.5
	1998	116	0.9	73.3	15.5	1.7	5.2	3.4	30.9
	1999	111		65.8	28.8	1.8	3.6		30.6
WI	1995	110		36.4	15.4	8.2	23.6	16.4	34.0
	1996	84	1.2	33.3	23.8	6.0	23.8	11.9	33.5
	1997	91	1.1	28.5	16.5	13.2	28.6	12.1	34.0
	1998	83	1.2	49.4	14.5	4.8	24.1	6.0	32.5
	1999	85		40.0	21.2	9.4	20.0	9.4	33.1

¹ For 1995 this column of data contains information for 30.5 or less.

Soybeans: Objective Yield Data

The National Agricultural Statistics Service is conducting Objective Yield surveys in 8 soybean producing States during 1999. Randomly selected plots of soybeans 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.

**Soybeans: Pods with Beans per 18 Square Feet,
Selected States, 1995-99**

State	Month	1995	1996	1997	1998	1999
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AR	Sep ¹					
	Nov	1,755	1,521	2,098	1,640	1,483
	Final	1,609	1,481	1,956	1,613	
IL	Sep	1,816	1,505	1,828	2,087	1,917
	Nov	1,764	1,573	1,708	1,902	1,788
	Final	1,764	1,581	1,708	1,906	
IN	Sep	1,755	1,416	1,622	1,883	1,771
	Nov	1,677	1,470	1,532	1,709	1,622
	Final	1,677	1,457	1,532	1,709	
IA	Sep	1,739	1,654	1,894	1,914	2,142
	Nov	1,611	1,463	1,458	1,745	1,894
	Final	1,616	1,463	1,461	1,748	
MN	Sep	1,613	1,543	1,585	1,598	1,612
	Nov	1,501	1,487	1,506	1,450	1,563
	Final	1,501	1,487	1,506	1,442	
MO	Sep	895	1,491	1,539	1,847	1,242
	Nov	1,462	1,688	1,591	1,878	1,508
	Final	1,469	1,655	1,650	1,931	
NE	Sep	1,404	1,715	1,716	1,849	1,877
	Nov	1,420	1,514	1,345	1,810	1,872
	Final	1,420	1,514	1,342	1,810	
OH	Sep	1,790	1,452	1,711	1,887	1,699
	Nov	1,647	1,378	1,485	1,710	1,494
	Final	1,650	1,383	1,467	1,710	

¹ Not available due to plant immaturity.

**Soybeans: Percentage Distribution by Measured Row Width
and Average Width, Selected States, 1995-99**

State	Year	Number of Samples	Row Width (inches)					Average Row Width ¹
			10.0 & less ¹	10.1- 18.5	18.6- 28.5	28.6- 34.5	34.6 & Greater	
		<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Inches</i>
AR	1995	119	36.2	10.5	29.0	15.5	8.8	19.7
	1996	124	35.4	6.5	19.0	26.2	12.9	21.6
	1997	126	42.9	13.5	19.4	17.5	6.7	18.0
	1998	124	30.8	13.9	25.8	20.5	9.0	20.1
	1999	118	31.1	18.7	26.8	16.6	6.8	19.3
IL	1995	208	57.1	10.1	2.9	26.0	3.9	16.0
	1996	202	53.2	15.2	2.2	25.5	3.9	16.0
	1997	211	55.2	18.5	3.1	21.1	2.1	15.1
	1998	205	54.5	17.8	2.0	22.0	3.7	15.5
	1999	219	44.3	31.6	3.0	16.5	4.6	15.8
IN	1995	148	68.0	10.2	3.4	17.0	1.4	13.3
	1996	147	69.4	11.2	2.1	14.6	2.7	13.0
	1997	148	59.3	15.6	4.8	14.9	5.4	14.4
	1998	160	62.1	18.8	1.9	15.3	1.9	13.4
	1999	148	68.9	19.9	0.4	8.8	2.0	11.7
IA	1995	206	28.2	10.5	5.6	40.4	15.3	24.6
	1996	216	28.3	12.3	5.1	42.2	12.1	24.4
	1997	211	25.1	19.2	4.0	42.0	9.7	22.3
	1998	217	21.7	22.1	7.1	41.0	8.1	22.1
	1999	224	18.4	25.7	7.4	41.8	6.7	22.6
MN	1995	98	25.0	14.3	9.7	46.4	4.6	21.6
	1996	101	30.8	11.9	10.5	38.8	8.0	21.0
	1997	97	27.8	28.9	5.1	36.1	2.1	18.8
	1998	105	17.6	21.0	15.7	43.8	1.9	22.0
	1999	100	22.1	26.1	12.1	33.7	6.0	20.4
MO	1995	132	53.1	14.0	5.7	22.3	4.9	16.4
	1996	125	48.4	19.2	4.4	20.4	7.6	16.7
	1997	118	47.3	30.1	5.0	11.7	5.9	15.4
	1998	125	49.6	26.4	3.6	14.0	6.4	15.6
	1999	126	40.9	34.1	6.7	14.3	4.0	15.6
NE	1995	87	23.6	8.6	5.2	37.9	24.7	25.2
	1996	74	21.0	11.5	4.7	40.5	22.3	25.3
	1997	74	26.3	13.5	4.1	34.5	21.6	23.6
	1998	96	16.1	18.8	4.2	38.0	22.9	25.2
	1999	86	13.4	23.8	5.2	40.7	16.9	24.2
OH	1995	124	68.0	21.5	1.6	6.9	2.0	11.4
	1996	121	69.5	23.5	1.2	5.8		10.6
	1997	122	71.3	17.6	2.9	7.4	0.8	11.4
	1998	127	74.0	15.3	2.8	7.1	0.8	10.8
	1999	125	78.0	15.6	1.6	4.0	0.8	10.1

¹ Broadcast soybeans included as "10.0 inches and less" but excluded in computation of average width.

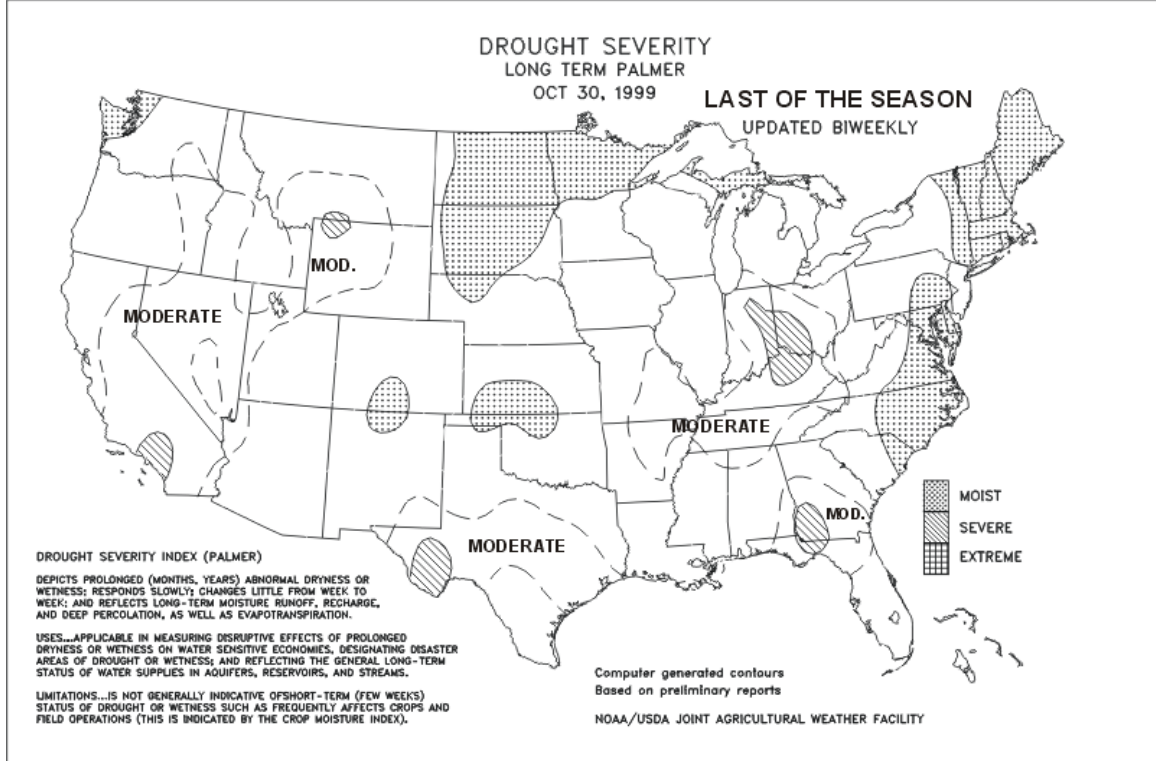
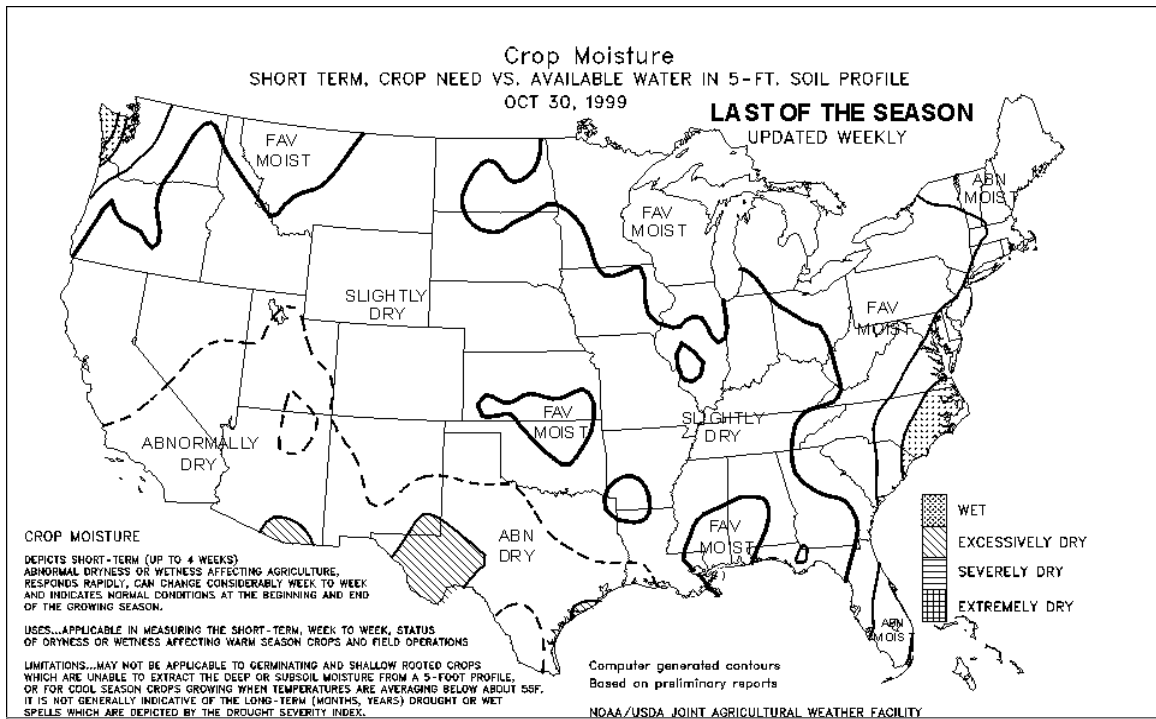
Cotton: Cumulative Boll Counts

The National Agricultural Statistics Service is conducting Objective Yield surveys in 12 cotton producing States during 1999. Randomly selected plots of 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 for 5 States which accounted for 60 percent of the 1998 U.S. Upland cotton production. The remaining 7 States are new to the Objective Yield survey and do not have 3 years of historical counts available.

**Cotton: Cumulative Boll Counts, September and November 1995-99,
and Final, 1995-98¹**

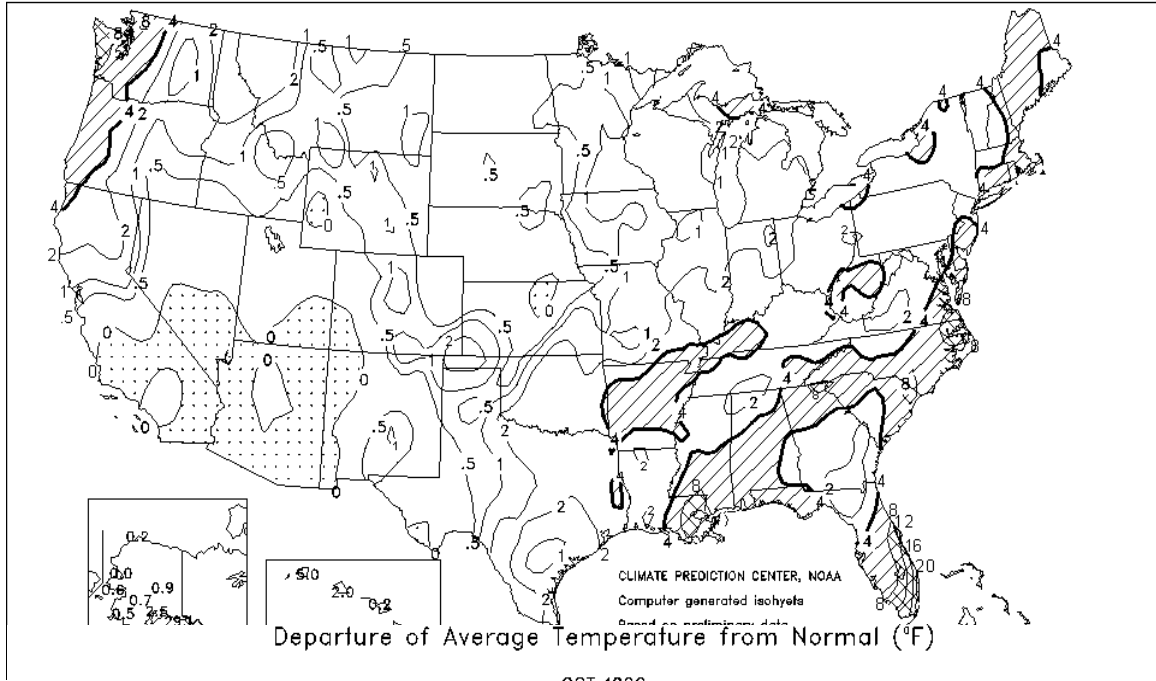
State	Month	1995	1996	1997	1998	1999
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AR	Sep	850	857	975	637	720
	Nov	689	741	810	633	693
	Final	689	741	811	640	
CA	Sep	751	707	701	755	921
	Nov	682	748	697	665	779
	Final	680	744	697	655	
LA	Sep	679	665	639	694	722
	Nov	615	607	643	600	728
	Final	615	607	643	600	
MS	Sep	682	816	908	835	761
	Nov	607	731	835	823	767
	Final	607	729	833	821	
TX	Sep	423	383	500	498	465
	Nov	409	498	468	477	447
	Final	415	498	458	482	

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. In November, excludes small bolls.

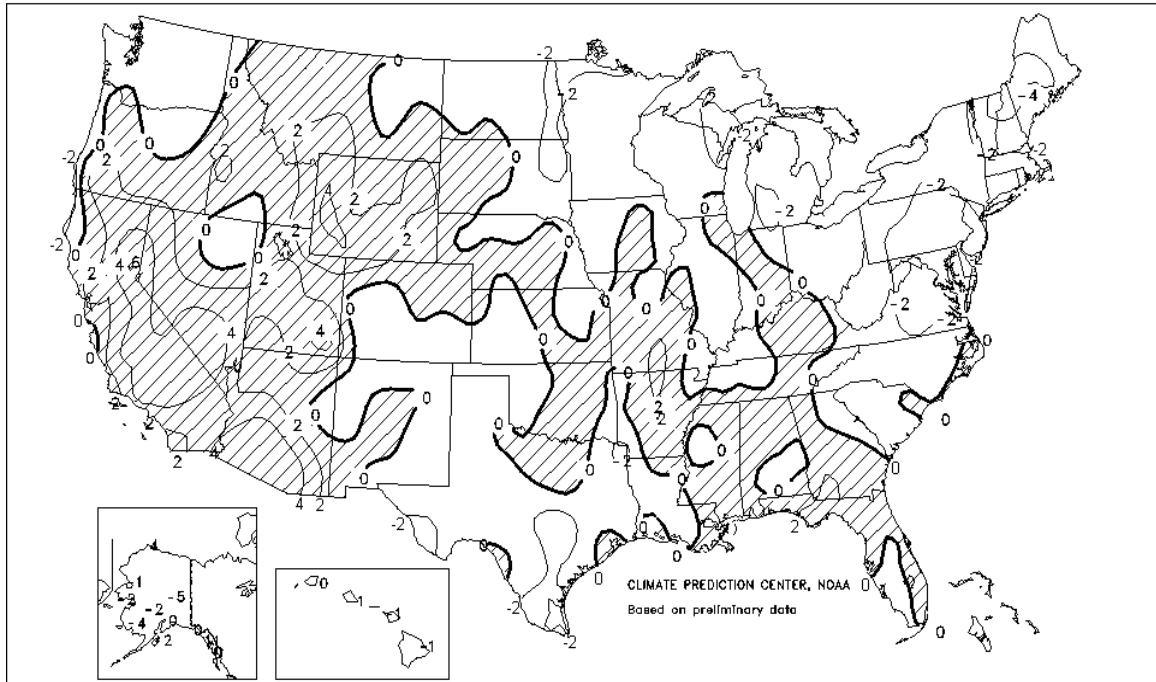


Total Precipitation (Inches)

OCT 1999



OCT 1999



October Weather Summary

Dry weather reduced soil moisture on the Plains, causing spotty winter wheat emergence in a few areas and hampering establishment. Meanwhile in the interior Northwest, a late-month storm system provided much-needed moisture for dryland winter wheat and eased the 8-month drought. The same storm then dampened northern Montana and the southeastern Plains (from northeastern Texas northward into southeastern Kansas), boosting topsoil moisture and aiding wheat, before reaching the Delta at month's end. In the Ohio Valley, widespread early-month rainfall eased the 15-month drought and promoted winter wheat emergence, although drier weather returned after mid-October. Occasional showers improved soil moisture in the Southeast. At mid-month, Hurricane Irene crossed southeastern Florida, producing widespread flooding and strong winds that adversely affected vegetables. Although Irene remained offshore thereafter, heavy rain in the eastern Mid-Atlantic region disrupted flood-recovery efforts, a month after Floyd's strike. Despite frequent temperature fluctuations, monthly temperatures averaged within 3 degrees F of normal nationwide, except 3 to 5 degrees F below normal in northern New England and 3 to 5 degrees F above normal in parts of the Southwest. The generally mild, often dry weather promoted rapid summer crop harvesting nearly nationwide, especially in the Plains and Midwest.

General Crop Comments: Crops quickly ripened, as above-normal temperatures prevailed across most of the country near mid-month and again late in the month. Below-normal precipitation promoted rapid harvest in the Corn Belt, Great Plains, lower Mississippi Valley, and Southwest. In the Atlantic Coastal Plains, periods of heavy precipitation hampered harvest efforts. Moisture shortages delayed winter wheat planting in the Pacific Northwest and hindered emergence and growth in parts of the Corn Belt and Great Plains.

Ninety-four percent of the corn crop was mature by October 3, more than a week ahead of the 5-year average. Fields quickly ripened in the Great Plains and northern Corn Belt early in the month, especially in Colorado where development lagged behind normal. In most other areas of the Corn Belt, nearly all of the corn acreage was mature on October 3. By the end of the month, 89 percent of the corn was harvested, more than 1 week ahead of normal due to nearly ideal harvest weather. Harvest proceeded far ahead of normal in the eastern Corn Belt and advanced well ahead of normal average in the western Corn Belt. Slow crop development hindered harvest progress in Colorado and Pennsylvania until late in the month, when the harvest pace accelerated.

Eighty-eight percent of the soybean acreage was dropping leaves by October 3, slightly ahead of the 5-year average. Soybeans ripened well ahead of normal along the Ohio and Mississippi River Valleys and slightly ahead of normal in the central and western Corn Belt. Crop development lagged slightly behind the 5-year average in the Great Plains. Ninety-three percent of the soybean crop was harvested by the end of the month, 7 percentage points ahead of the 5-year average. The harvest pace accelerated in most areas of the Corn Belt early in the month, with only brief rain delays in northern Missouri, eastern Iowa, northern Illinois, and scattered areas of Indiana and Michigan. Brief rain delays also interrupted harvest progress in the Mississippi Delta early in the month. Precipitation from Hurricane Irene limited harvest activity in the Atlantic Coastal Plains, but progress remained slightly ahead of the normal pace in North and South Carolina. Near the end of the month, harvest was active in the southern Corn Belt, Mississippi Delta, and Southeast, as hot weather quickly ripened double-cropped and late-planted soybeans.

Winter wheat seeding was 53 percent complete on October 3 and advanced to 89 percent complete by the end of the month. Sowing was aided by dry conditions in most areas of the Great Plains and eastern Corn Belt, but Oregon growers delayed planting due to dry soils. In the Corn Belt, growers planted soft red winter wheat as soon as row crops were harvested and fields were prepared. Muddy fields and the slow harvest pace delayed planting in North Carolina. Twenty-six percent of the acreage was emerged by October 3, slightly ahead of the average. By October 31, 73 percent of the acreage was emerged, slightly behind normal. Dry soils hindered emergence in parts of the Corn Belt and Great Plains. Precipitation, some in the form of snow, provided much-needed moisture for germinating seeds in Kansas, Colorado, and the eastern Corn Belt early in the month. By mid-month, stands were spotty and growth was uneven in some fields due to soil moisture shortages in some areas of the Corn Belt and Great Plains. Abundant sunshine promoted crop development where moisture was adequate, but below-normal temperatures limited growth for several days near mid-month.

Eighty-seven percent of the cotton acreage was at or beyond the boll opening stage on October 3, 1 week ahead of the 5-year average. Bolls were open on virtually all of the acreage in the Mississippi Delta by October 3. In the southern Great Plains, North Carolina, and California, warm daytime temperatures accelerated ripening. However, development continued to lag slightly behind normal in California, even though above-normal temperatures prevailed for most of the month. Harvest rapidly progressed in the lower Mississippi Valley, as rain delays were isolated and brief. In the southern Great Plains, picking gradually gained momentum early in the month, and was rapidly progressing by mid-month. Rainy weather and muddy fields limited progress in the Atlantic Coastal Plains for most of the month.

Sorghum ripened at a normal pace, reaching 96 percent mature by October 24. Harvest progressed slightly ahead of the 5-year average throughout the month, advancing from 40 percent complete on October 3 to 88 percent on October 31. In the lower Mississippi Valley, most of the crop was harvested by October 3. As the month progressed, harvest accelerated in the central Great Plains and southern Corn Belt, well ahead of normal in Illinois, and slightly ahead of normal in Kansas, Colorado, and Nebraska. Slow ripening limited harvest progress in South Dakota, until after mid-month, when the harvest pace accelerated.

The peanut harvest progressed to 79 percent complete by the end of the month. Heavy rain periodically slowed harvest progress in the Atlantic Coastal Plains throughout the month. On October 31, digging was 30 percentage points behind normal in North Carolina. Progress was slightly faster in South Carolina. Harvest progress was at, or ahead of, the average in the eastern Gulf Coast and southern Great Plains peanut-producing areas.

Corn for Grain: Acreage harvested and to be harvested for grain is forecast at 70.9 million acres, unchanged from last month. The November 1 Corn Objective Yield data indicate a record level ear count for the combined seven objective yield States (Illinois, Indiana, Iowa, Minnesota, Nebraska, Ohio, and Wisconsin). The previous record ears per acre was set in 1998. As of October 31, 89 percent of the acreage was harvested in the 17 major States. This compares with 81 percent last year and 72 percent for the 5-year average.

Fields quickly ripened in the Great Plains and northern Corn Belt early in October. Harvest proceeded far ahead of normal in the eastern Corn Belt and advanced well ahead of average in the western Corn Belt. Slow crop development hindered harvest progress in Colorado and Pennsylvania until late in the month, when the harvest pace accelerated.

In Iowa, forecasted ear counts are at a record level. Ninety-five percent of the crop was harvested, ahead of the 84 percent last year and the average of 74 percent.

Illinois and Indiana ear counts from objective yield data indicate record high levels. In Illinois, ninety-four percent of the crop was harvested as of October 31, compared with 81 percent in 1998 and the average of 80 percent. The corn crop was 94 percent harvested in Indiana, ahead of 80 percent one year ago and the average of 66 percent.

Forecasted ear counts in Nebraska and Wisconsin are also at a record level. Eighty-seven percent of the Nebraska crop was harvested, compared with 82 percent last year and the average of 70 percent. In Wisconsin, 84 percent of the corn was harvested, compared with 71 percent in 1998 and the average of 53 percent.

Forecasted ear counts in Ohio are the second highest on record and are the fourth highest on record in Minnesota. The Ohio corn harvest was 81 percent complete, compared with 68 percent last year and the average of 52 percent. Ninety-one percent of the Minnesota acreage was harvested, compared with 89 percent for last year and the average of 76 percent.

Sorghum for Grain: The final production forecast for the 1999 crop is 596 million bushels, up from the October forecast of 580 million bushels and 15 percent above the 1998 production of 520 million bushels. The U.S. yield is forecast at 70.2 bushels per acre, up from 68.3 last month, and 2.9 bushels above the 1998

yield. Area harvested and to be harvested was unchanged from October at 8.50 million acres, and up 10 percent from the previous year.

Four States are showing record yields due to favorable weather conditions. These are Arkansas, Georgia, Louisiana, and Mississippi. Texas is matching its previous record. Yield estimate for Kansas was up 4 bushels from October because of a late frost which gave late planted sorghum additional time to mature. Illinois and Nebraska increased their yield forecast by 13 bushels and 2 bushels, respectively.

Sorghum ripened at a normal pace, reaching 96 percent mature by October 24. Harvest progressed slightly ahead of the 5-year average throughout the month, advancing from 40 percent complete on October 3 to 77 percent on October 31. In the lower Mississippi Valley, most of the crop was harvested by October 3. As the month progressed, harvest accelerated in the central Great Plains and southern Corn Belt, well ahead of normal in Illinois, and slightly ahead of normal in Kansas, Colorado, and Nebraska. Slow ripening limited harvest progress in South Dakota until after mid month when the harvest pace accelerated.

Rice: Production is forecast at a record high 212 million cwt, down slightly from October 1 but 13 percent above 1998. The average yield is forecast at 5,929 pounds per acre, down 16 pounds from last month but up 260 pounds from 1998. Area for harvest is expected to total 3.57 million acres unchanged from October 1, but 8 percent above last year.

The rice production forecast in California declined from last month. Cool weather during pollination and throughout the growing season reduced expected yields to near last year's el nino affected crop. Yields in Arkansas and Texas increased from last month, while yields in Louisiana, Mississippi, and Missouri remained unchanged from October 1.

Fall Potatoes: Production of fall potatoes for 1999 is forecast at 436 million cwt, up 1 percent from last year and 3 percent above 1997. Area harvested, at 1.18 million acres, is down 3 percent from last year and down less than 1 percent from two years ago. The average yield is forecast at 369 cwt per acre, a jump of 13 cwt from last year and 12 cwt above two years ago. Bumper crops in Washington and Wisconsin more than made up for a smaller crop in Idaho. Drought hurt potatoes in New York and Pennsylvania and caused scattered damage in Ohio, Indiana and Michigan. Rain at harvest time in North Dakota and Minnesota led to abandonment of several thousand acres.

All Potatoes: Production from all four seasons is forecast at 481 million cwt in 1999, up 1 percent from last year and 3 percent above 1997. If realized, the production would be the second largest potato crop on record, 4 percent below the record large crop of 1996.

Five Eastern States produced 28.7 million cwt of fall potatoes in 1999, down 3 percent from last year and 6 percent below two years ago. Area for harvest totaled 106,000 acres, down 3 percent from last year. The average yield of 271 cwt per acre was equal to last year and 7 cwt above 1997. Maine potato growers had a nearly ideal season from early planting to harvest time. Then came persistent rains delaying digging and causing considerable damage to tubers. Production in Maine dropped 1 percent from last year. New York and Pennsylvania suffered extended drought through the summer cutting yields and reducing size.

Eight Central States' production is forecast at 109 million cwt this year, a gain of 1 percent from last year and 11 percent above two years ago. Harvest was taken from 338,700 acres, a drop of 6 percent from last year. The average yield of 322 cwt per acre represented a 24 cwt increase from a year ago. Dry summer weather hurt yields in Ohio and Indiana with production drops of 17 and 18 percent, respectively. Michigan's yields were not as high as expected, but higher acreage pushed production up slightly. Heavy rains during harvest led to acreage abandonment in North Dakota and Minnesota.

Production in Wisconsin jumped 13 percent with increased acreage and record high yields. Nebraska's production increased 9 percent, also with record high yields.

Ten Western States produced 298 million cwt in 1999, up 1 percent from each of the last two years. Acreage harvested, at 736,000 acres, decreased 1 percent from last year, while the average yield of 405 cwt per acre was up 7 cwt. Production in Idaho decreased 2 percent from last year and 4 percent from two years ago. Washington gained 2 percent and Oregon 8 percent to more than make up for Idaho's smaller production. Colorado was up 5 percent and California increased 8 percent as yields rose in both States. Montana and Nevada inched up 1 percent from a year ago. Production in Utah dropped 20 percent and New Mexico slid 6 percent.

Soybeans: Growers expect to harvest 72.8 million acres of soybeans, unchanged from the October forecast but 3 percent above 1998 final harvested acreage. Harvest progress during October advanced at a very fast pace as near ideal conditions prevailed in most areas of the Corn Belt, Great Plains and Delta region. As of October 31, ninety three percent of the soybeans had been harvested, 5 percentage points ahead of 1998 and 7 percentage points ahead of the average.

Soybean harvest was nearing completion across the Corn Belt States. In Illinois, Indiana, Iowa, Minnesota, and Nebraska, harvest was at or above 98 percent complete as of October 31 and was ahead of last year and 5-year average. Harvest in Ohio was 95 percent complete and was lagging behind by 1 percentage point compared to last season. The Missouri harvest was 89 percent complete, 10 percentage points ahead of 1998 harvest and 13 points ahead of normal. Harvest in Arkansas was 76 percent complete and was progressing at same pace as 1998 and was ahead of normal.

Harvest in Mid-Atlantic and Southeastern States was not as advanced and was running behind the previous year's pace. Wet conditions during October slowed crop maturity and harvest progress in these states.

In the seventeen non-objective yield States that make yield forecasts in November, four States reduced yields from October while five States had increases. Yields were decreased 2 bushels in Georgia and 1 bushel in North Carolina, South Carolina, and Wisconsin. Yields were increased 2 bushels in North Dakota and Tennessee and 1 bushel in Kansas, Mississippi, and Virginia.

If realized, pod counts from the October Objective Yield survey will be the highest on record in Iowa and Nebraska. All other objective yield States, except for Minnesota, were showing fewer pods than last November and 1998 final counts.

Peanuts: Production is forecast at 3.83 billion pounds, up slightly from the October 1 forecast, but down 3 percent from last year's crop. Area for harvest is expected to total 1.44 million acres, unchanged from October 1 but down 2 percent from 1998. Yields are expected to average 2,664 pounds, up 4 pounds from last month but down 38 pounds from last year.

Production in the Southeast States (Alabama, Florida, Georgia, and South Carolina) is expected to total 2.12 billion pounds, up 1 percent from last month but down 4 percent from last year's level. Yield in the four-State area are expected to average 2,537 pounds per acre, up 30 pounds from October 1 but 103 pounds below 1998. Harvest was ahead the five year average in Alabama and Florida while harvest in Georgia and South Carolina lagged behind the average.

The Virginia-North Carolina production is forecast at 468 million pounds, down 6 percent from last month and down 24 percent from 1998. Yield is forecast at 2,474 pounds, 152 pounds down from last month and down 626 pounds from last year. In Virginia, harvest was winding down as of October 31,

slightly behind the average. Harvest was 50 percent complete in North Carolina, 30 percent behind the average.

Southwest crop production (New Mexico, Oklahoma, and Texas) is expected to total 1.24 billion pounds, up 1 percent from last month and up 9 percent from 1998. Yields are expected to average 3,010 pounds, 372 pounds above 1998. On October 31, harvest was 51 percent complete in Texas, 3 percent behind the average.

Cotton: Upland cotton harvested acreage, at 13.1 million acres, is unchanged from the October forecast and up 25 percent from last year. American-Pima harvested acreage, at 309,200 acres is also unchanged from October and 32 percent above 1998. As of November 7, U.S. harvest was 72 percent complete, 4 percentage points behind 1998, but 2 points ahead of the 5-year average.

The development of cotton was slowed early in October on the Texas Plains due to cool temperatures and widely scattered showers. However, harvest was able to begin on some early planted fields. Harvest continued to expand throughout October as some growers sprayed to aid in harvest activities rather than waiting for a hard freeze. Brief harvest delays were experienced in some areas of the High Plains due to showers and light snow. These showers should have alleviated any potential stickiness problems. On October 31, forty-six percent of the cotton acreage was harvested. This was 2 percentage points behind the 5-year average. Objective yield data indicate Texas' large boll counts are ranked ninth in the past ten years and boll weights are ranked eighth. In Oklahoma, harvest made great strides during the second half of October. On October 31, sixty-four percent of the acreage was harvested, 25 percentage points ahead of the 5-year average.

The Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) experienced excellent weather throughout the month of October. The weather has resulted in harvest progressing well ahead of average. As of October 31, all five States were well above 90 percent harvested. Arkansas was 15 percent ahead of average at 94 percent harvested. Louisiana reported 99 percent harvested, 7 points ahead of the 5-year average. Mississippi, at 97 percent harvested, was 10 percentage points ahead of average. Missouri and Tennessee both reported 96 percent of their cotton acreage harvested on October 31, twenty-one and 20 points ahead of the 5-year average, respectively. Data from objective yield surveys show large boll counts for Arkansas ranked seventh, and Mississippi's ranked fourth, since 1990. Louisiana's number of large bolls are ranked fifth during this time period. Boll weights in Arkansas and Mississippi were the lowest in the last 10 years, while Louisiana's weight was ranked as the ninth lowest out of the last ten years.

Due to the unusually cool growing season, cotton progress lagged behind normal during most of the season in California and Arizona. The delay in progress resulted in a slow start for harvest. Warm, dry weather throughout October allowed both States to harvest throughout the month. While Arizona has been harvesting for several weeks, they are still behind the 5-year average. On October 31, forty-two percent of their acreage was harvested, 16 percent behind average. After a slow start, California has virtually completed applying defoliant and picking has rapidly advanced. During the third week of October, California producers harvested nearly 30 percent of their cotton acreage to advance past the 5-year average. On October 31, sixty percent of the cotton acres in California were harvested, compared to 47 percent on average. November 1 cotton objective yield counts show California large boll numbers ranked sixth and boll weights ranked last since 1990.

Rainy weather and muddy fields resulted in some harvest delays in the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina), especially in North Carolina. As of October 31, North Carolina reported only 24 percent of their cotton acreage harvested. This compared to 55 percent for the 5-year average. Conversely, Alabama managed to remain 11 percent ahead of average at 77 percent harvested. Georgia and South Carolina both remained near average, with Georgia four points ahead of

their 5-year average at 57 percent harvested and South Carolina four points behind their 5-year average at 51 percent harvested.

American-Pima production is forecast at 684,500 bales, up 55 percent from last year's output, but down 19,500 bales from October. The U.S. yield is forecast at 1,063 pounds per harvested acre, up 159 pounds from last year. California's production is down 20,000 bales from the October forecast, while Arizona's production is up 500 bales. New Mexico and Texas forecasts are unchanged from the previous month. Harvest began in California during early October and progressed well throughout the month. New Mexico harvest is ahead of last year and the overall condition of the crop appears to be good.

Ginnings totaled 8,237,700 running bales prior to November 1, compared with 7,358,850 running bales ginned prior to the same date last year and 7,930,100 running bales in 1997.

Lentils: Production of lentils in Idaho, Montana, North Dakota, and Washington is estimated at 2.39 million cwt, up 23 percent from the 1998 crop. Planted and harvested acreage are above last year in both Idaho and Washington. Harvested area is estimated at 174,500 acres, 16,000 acres more than in 1998. Average yield per acre, at 1,368 pounds, is 145 pounds above last year.

Production in Idaho at 840,000 cwt, is up 30 percent from 1998. Average yields in Idaho increased 250 pounds from last season to 1,400 pounds per acre. Harvested acreage in Idaho rose to 60,000 acres, up 7 percent from 1998. In Washington, production is up 16 percent from last year, at 975,000 cwt; however, yields dipped 50 pounds to 1,300 pounds per acre from 75,000 harvested acres.

Dry Edible Peas: Production of dry peas in Idaho, Montana, Nevada, North Dakota, Oregon, and Washington in 1999 is estimated at 5.03 million cwt, down 15 percent from 1998 and down 13 percent from two years ago. Harvested acres were equal to or less than 1998 harvested acres for every state except Washington, which increased 2,000.

Overall, planted area in the U. S. reached 281,600 acres, 41,800 acres fewer than a year ago. Harvested acres stood at 263,600 acres compared with 309,100 acres last year. Average yields fell 12 pounds to 1,908 pounds per acre. Growers in Washington saw their average yields decrease by 150 pounds per acre from last year to 2,020 pounds; however, in Idaho average yields increased 200 pounds per acre to 1,900 pounds.

Austrian Winter Peas: The Austrian winter pea crop of 60,000 cwt for 1999 in Idaho and Oregon is down 42 percent from 1998 and down 48 percent from two years ago. This is the lowest since 1994, when production was a record low 51,000 cwt. Area harvested, at 4,400 acres, is down 3,000 acres from last year, while the average yield decreased 41 pounds in 1999 to 1,364 pounds per acre.

Tobacco: U.S. all tobacco production for 1999 is forecast at 1.27 billion pounds, down 14 percent from 1998 and down 29 percent from 1997. Harvested acres are expected to total 649,140, down less than 1 percent from the previous forecast and down 10 percent from 1998. Yields for 1999 are expected to average 1,956 pounds per acre, 105 pounds below a year ago. Harvested acres for North Carolina remained unchanged from the previous forecast but are down 17 percent from last year. North Carolina yields increased slightly from the previous forecast but were down 2 percent from 1998. Kentucky's acreage, at 226,350, remained unchanged from a month ago and is slightly more than last year.

Kentucky tobacco yields averaged 1,777 pounds per acre, 2 pounds more than last month but declined 184 pounds from last year.

Flue-cured production is expected to total 658 million pounds, down less than 1 percent from a month ago and down 19 percent from 1998. Growers plan to harvest 304,000 acres in 1999, down 1 percent from last month and 18 percent less than last year. Yield is expected to average 2,164 pounds per acre, up 11 pounds from last month but down 40 pounds from a year ago.

Fire-cured production is expected to total 36.4 million pounds, up 3 percent from last month but down 9 percent from 1998. Growers plan to harvest 16,270 acres in 1999, up 1 percent from last month but down 3 percent from last year. Yield is expected to average 2,238 pounds per acre, up 48 pounds per acre from last month but down 127 pounds from 1998.

Burley production overall is expected to total 535 million pounds, virtually unchanged from last month but down 8 percent from a year ago. Yield is expected to average 1,750 pounds per acre, an increase of 3 pounds from the previous forecast but down 146 pounds from 1998. Burley tobacco growers plan to harvest 305,700 acres, unchanged from the previous forecast and slightly below a year ago.

Dark Air-cured production is expected to total 10.4 million pounds, down 1 percent from last month but up 7 percent from 1998. Growers plan to harvest 4,950 acres in 1999, unchanged from last month but up 12 percent from last year. Yields are expected to average 2,106 pounds per acre, a decline of 18 pounds from last month and 100 pounds from last year.

Cigar Type tobacco production is expected to total 15.8 million pounds, a decrease of less than 1 percent from the previous forecast and down 17 percent from a year ago. Yields increased 2 pounds per acre from the previous forecast and increased 23 pounds above last year.

Sugarbeets: Production is forecast at a record high 33.4 million tons, 2 percent above the previous record in 1998. Growers in the 12 sugarbeet-producing States expect to harvest 1,525,200 acres, 5 percent more than last year and the highest since 1,540,500 acres were harvested in 1969. The yield is forecast at 21.9 tons per acre, below the 1998 yield of 22.5 tons.

Compared with the previous forecast, increased abandonment in Minnesota and North Dakota was offset by less than expected abandonment in California. In addition to the reduction in acres harvested, Minnesota and North Dakota yields were also reduced. Due to the decreases in harvested acres and yields, combined production in the 2 largest beet-producing states dropped 4 percent from the October forecast.

Favorable harvest weather prevailed across the northern Great Plains. In North Dakota, harvest was complete by mid-month, a record pace. Harvest was complete by the end of the month in Minnesota, well ahead of normal. Harvest also progressed ahead of normal in Idaho, Montana, and Nebraska, and approached completion as the month ended. Mild, dry weather also aided harvest efforts in California, but progress was delayed in Colorado, where temperatures were too warm for stockpiling. The Michigan beet harvest began near mid-month and was nearly complete by the end of the month.

Sugarcane: Production is forecast at a record high 37.6 million tons, 8 percent above the previous record of 34.7 million tons set last year. U.S. sugarcane growers intend to harvest a record high 987,500 acres for sugar and seed during the 1999 crop year, 4 percent more than last year's final harvested acres. The record high acreage is due to a 30,000 acre expansion in Louisiana and a 9,000 acre increase in Florida. Yield is forecast at 38.1 tons per acre, 1.5 tons above 1998.

In Florida, Hurricane Irene's strong winds blew some cane over and its heavy rains halted harvest long enough to stop grinding at some mills. Harvest proceeded rapidly in Louisiana, where a record high yield is expected due to ideal growing conditions, expanded acreage of a high yielding hybrid, and increased utilization of a more efficient harvester. In Hawaii, harvest was delayed by mid-month rains, but most of the crop had already been harvested.

Hazelnuts: The November 1 hazelnut production forecast for Oregon and Washington remains at 38,000 tons for 1999. This would be almost two and one-half times the size of last year's crop but 19 percent less than the 1997 record production. Oregon is expected to account for 37,700 tons and Washington the remaining 300 tons.

Harvest is nearly completed as weather conditions during October were excellent. The only concern is that the lateness of crop maturity might mean the last of the crop could get left in the field due to expected rainy, winter weather.

Papayas: October fresh papaya production is estimated at 3.85 million pounds, 6 percent more than September and 22 percent above October 1998. Area devoted to papaya totaled 3,225 acres, down slightly from the previous month. Harvested area, however, increased 2 percent to 1,625 acres. Total papaya acreage was 15 percent less than a year ago, reflecting the abandonment of low yielding acreage devastated by the papaya ringspot virus.

October weather was favorable in the major growing areas. Production increased both seasonally and because of increased bearing acreage of the disease resistant Rainbow variety. The increase in supplies was putting downward pressure on prices.

Grapefruit: The special November 1 forecast of the 1999-00 grapefruit crop for United States is 2.47 million tons, down 6 percent from October and down 2 percent from the 1998-99 season. The Florida grapefruit forecast is reduced 8 percent to 46.0 million boxes (1.96 million tons). The white seedless forecast, at 18.5 million boxes (786,000 tons), is down 10 percent from October but 4 percent above the previous season's utilization. The colored seedless utilization is forecast at 27.0 million boxes (1.15 million tons), 7 percent less than a month ago and 6 percent lower than the 1998-99 season. The seedy grapefruit crop is carried forward from October at 500,000 boxes (21,000 tons), 9 percent less than the previous season. Texas, California, and Arizona forecasts were carried forward from their October levels.

The Florida grapefruit reduction is a result of fruit blown off the trees and a slightly increased droppage rate for fruit remaining on the trees. Most of the reduction is in the Indian River area where Hurricane Irene passed on October 15 and 16. Although the loss from the winds is of the larger more mature fruit, some increased sizing is expected on fruit remaining on the trees. Additional loss may occur from increased droppage due to high water levels in some groves and increased incidence of disease because of the excessive water.

Florida Citrus: October was a wet month in Florida's citrus belt. During the first week of the month, many areas received up to 5 inches of rain associated with a tropical system that covered the southern part of the state. Later in October, Hurricane Irene soaked all of the citrus growing areas again. Winds gusted 65 to 75 miles per hour, causing some grapefruit and a much smaller portion of the early oranges to be blown off the trees along the east coast and parts of the lower interior. New crop harvests during October were slowed due to numerous rains. Fresh fruit shippers packed Navels, Ambersweet oranges,

white and colored grapefruit, a few early tangerines and some K-Early Citrus. Only a few processors were open to receive small quantities of packinghouse eliminations and very limited amounts of grove run fruit. Caretakers stayed very active during the month cutting cover crops, spraying, and moving water out of the groves.

Texas Citrus: Early movement of citrus is ahead of last year's pace due to the hurricanes in Florida this year and the California freeze last December. The fruit is sweeter than normal and the quality is excellent. Citrus growers in Texas are feeling very optimistic at this time.

California Citrus: Picking of early season variety navel oranges began in late October in Kern County. Harvest of the 1998-99 Valencia orange crop was winding down in southern California. Picking of lemons and grapefruit was active in the desert.

California Fruits and Nuts: Grape harvesting was active throughout October. Grapes for fresh use were picked in the San Joaquin Valley. Major varieties included Red Globe, Ruby Seedless, Crimson Seedless, and Thompson Seedless. Harvest of grapes for raisins was completed with all the raisins picked up by the third week of October. Picking of grapes for wine was also active. The fig harvest continued, but picking of late season variety stone fruits wound down. Apple and olive harvests were in full swing. Asian pear and pomegranate harvests were also active in the San Joaquin Valley. Harvests of almonds, pistachios, and walnuts declined as the season neared the end.

Reliability of November 1 Crop Production Forecast

Survey Procedures: Objective yield and farm operator surveys were conducted between October 25 and November 5 to gather information on expected yields as of November 1. The objective yield surveys for corn, soybeans, and cotton were conducted in the major producing States that usually account for about 75 percent of the U.S. production. Randomly selected plots were revisited to make current counts. The counts within each sample plot depend on the crop and the maturity of that crop. In all cases, number of plants are recorded along with other measurements that provide information to forecast the number of ears, pods, or bolls and their weight. The counts are used with similar data from previous years to develop a projected biological yield. The average harvesting loss is subtracted to obtain a net yield. The plots are revisited each month until crop maturity when the fruit is harvested and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss.

The farm operator survey was conducted primarily by telephone with some use of mail and personal interviewers. Approximately 13,000 producers were interviewed during the survey period and asked questions about probable yields. These growers will be surveyed throughout the growing season to provide indications of average yields as the season progresses.

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

Revision Policy: The November 1 production forecast will not be revised; instead, a new forecast will be made each month throughout the growing season. End-of-season estimates are made after harvest. At the end of the marketing season, a balance sheet is calculated using carryover stocks, production, exports, millings, feeding, and ending stocks. Revisions are then made if the balance sheet relationships or other administrative data warrant changes. 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.

Reliability: To assist users in evaluating the reliability of the November 1 production forecast, the "Root Mean Square Error," a statistical measure based on past performance, is computed. This is done by expressing the deviation between the November 1 production forecast and the final estimate as a percentage of the final estimate, and averaging the squared percentage deviations for the 1979-1998 20-year period; the square root of the average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years.

For example, the "Root Mean Square Error" for the November 1 corn for grain production forecast is 2.0 percent. This means that chances are 2 out of 3 that the current production forecast of 9.54 billion bushels will not be above or below the final estimate by more than 2.0 percent or approximately 191 million bushels. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 3.4 percent or approximately 324 million bushels.

Also shown in the following table is a 20-year record for selected crops of the differences between the November 1 forecast and the final estimate. Using corn again as an example, changes between the November 1 forecast and the final estimates during the last 20 years have averaged 100 million bushels, ranging from 1 million bushels to 342 million bushels. The November 1 forecast has been below the final estimate 11 times and above 9 times. This does not imply that the November 1 corn forecast this year is likely to understate or overstate final production.

Reliability of November 1 Crop Production Forecasts

Crop	Unit	Root Mean Square Error		20-Year Record of Differences Between Forecast and Final Estimate				
		Percent	90 Percent Confidence Interval	Quantity			Years	
				Average	Smallest	Largest	Below Final	Above Final
				<i>Million</i>	<i>Million</i>	<i>Million</i>	<i>Number</i>	<i>Number</i>
Corn For Grain	Bu	2.0	3.4	100	1	342	11	9
Sorghum for Grain	Bu	4.6	8.0	20	0	86	9	10
Rice	Cwt	2.7	4.6	3	0	12	12	8
Soybeans for Beans	Bu	2.5	4.3	38	6	109	8	12
Cotton ¹	Bales	2.8	4.9	327	14	937	12	8

¹ Quantity is in thousands of bales.

Information Contacts

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The next "Crop Production" report will be released at 8:30 a.m. ET on December 10, 1999.

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USDA ANNOUNCES AGRICULTURAL OUTLOOK FORUM 2000

USDA will hold Agricultural Outlook Forum 2000 on Feb. 24 and 25, 2000. The meeting will take place at the Crystal Gateway Marriott Hotel located at 1700 Jefferson Davis Highway, Arlington, Va.

USDA holds a forum each year to provide timely forecasts of farm prospects and insight on developments affecting the farm economy. Speakers include top officials, government and industry analysts, farmers, and experts from business, government, and universities. A new set of 10-year USDA commodity projections will be released at the meeting.

The public and press are invited to attend the event, which attracted nearly 1,200 participants in February 1999. To be notified, send postal and e-mail addresses to agforum@oce.usda.gov, call 202-720-3050, or write to Outlook Forum 2000, Room 5143 South Building, USDA, Washington, DC 20250-3812. Conference details will be posted on the World Wide Web at www.usda.gov/oce. For hotel reservations, call the Crystal Gateway Marriott Hotel at (703) 920-3230.