

# Crop Production



National  
Agricultural  
Statistics  
Service

United States  
Department of  
Agriculture

Washington, D.C.

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Released January 10, 1992, by the Agricultural Statistics Board. Estimates refer to January 1, 1992.

## Cotton Production Down 3 Percent

All Cotton production for 1991 is forecast at 17.5 million bales, down 3 percent from December 1 but 13 percent above 1990's production and is the largest production since 1937. The October freeze in Texas caused more damage than earlier expected, decreasing yields, quality, and causing producers to abandon acreage. Louisiana expects a record high production and Georgia and Mississippi expect record high yields.

Citrus production is forecast at 11.6 million tons, virtually the same as last month but 2 percent higher than the 1990-91 season.

Orange production is forecast at 8.45 million tons, virtually unchanged from December 1 and 8 percent above last season. The increase from last year is primarily due to more production in California following last year's reduced crop caused by the December 1990 freeze.

Grapefruit production, including California's Desert grapefruit but excluding California's "Other Areas" crop, is 1.98 million tons. The January 1 forecast is 1 percent less than last month and 12 percent less than last season. The decrease is mainly due to reduced production in Florida.

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Index and report features are located at the end of this report. For information, call (202) 720-2127. Office hours are 8:00 a.m. to 4:30 p.m. ET.

Crop Summary: Area Planted, Harvested, Yield,  
and Production, United States, 1991-92  
(Domestic Units)

Crop	Area Planted		Area Harvested	
	1991	1992	1991	1992
	1,000 Acres			
Winter Potatoes	13.2	13.2	12.2	13.1
	Yield Per Acre		Production	
	1991	1992	1991	1992
	----- Cwt -----		----- 1,000 Cwt -----	
Winter Potatoes	214	219	2,609	2,872


Crop Summary: Hay Stocks on Farms, United States, 1990-91  
(Domestic Units)

Date	1990	1991
	1,000 Tons	
May 1	27,089	27,023
Dec 1	104,873	111,578

This report was approved on January 10, 1992, by the Secretary of Agriculture and the National Agricultural Statistics Service's Agricultural Statistics Board.



Secretary of  
Agriculture  
Edward R. Madigan



Agricultural Statistics Board  
Acting Chairperson  
Frederic A. Vogel

Crop Summary: Area Planted and Harvested, United States, 1990-91  
(Domestic Units)

Crop	Area Planted		Area Harvested	
	1990	1991	1990	1991
	1,000 Acres			
All Cotton	12,348.1	14,143.8	11,731.6	12,842.4
Upland	12,116.8	13,897.0	11,504.5	12,601.8
Amer-Pima	231.3	246.8	227.1	240.6

Crop Summary: Yield per Acre and Production, United States, 1990-92  
(Domestic Units)

Crop and Unit	Yield per Acre <u>1/</u>			Production <u>2/</u>		
	1990	1991	1990	Dec 1, 1991	Jan 1, 1992	
				----- 1,000 -----		
All Cotton Bale	634	656	15,505.4	18,004.9	17,541.5	
Upland "	632	653	15,146.9	17,590.8	17,142.5	
Amer-Pima "	758	796	358.5	414.1	399.0	
Cottonseed Ton			5,968.5	6,942.7	6,758.9	
Citrus Fruits <u>3/</u>			1990-91	1991-92	1991-92	
Oranges Ton			7,843	8,452	8,453	
Lemons "			722	688	688	

1/ Yield in pounds.

2/ Cotton production in 480-lb net weight bales.

3/ Season begins with the bloom of the first year shown and ends with the completion of harvest the following year.

Crop Summary: Area Planted, Harvested, Yield,  
and Production, United States, 1991-92  
(Metric Units)

Crop	Area Planted		Area Harvested	
	1991	1992	1991	1992
	Hectares			
Winter Potatoes	5,340	5,340	4,940	5,300
	Yield Per Acre		Production	
	1991	1992	1991	1992
	Metric Tons			
Winter Potatoes	23.96	24.58	118,340	130,270

Crop Summary: Hay Stocks on Farms, United States, 1990-91  
(Metric Units)

Date	1990	1991
	Metric Tons	
May 1	24,574,730	24,514,850
Dec 1	95,139,190	101,221,860

Crop Summary: Area Planted and Harvested, United States, 1990-91  
(Metric Units)

Crop	Area Planted		Area Harvested	
	1990	1991	1990	1991
	Hectares			
All Cotton	4,997,150	5,723,860	4,747,670	5,197,190
Upland	4,903,550	5,623,980	4,655,760	5,099,820
Amer-Pima	93,600	99,880	91,910	97,370

Crop Summary: Yield per Hectare and Production, United States, 1990-92  
(Metric Units)

Crop and Unit	Yield per Hectare:			Production		
	1990	1991	1990	Dec 1, 1991	Jan 1, 1992	
	Metric Tons					
All Cotton	0.71	0.73	3,375,900	3,920,110	3,819,210	
Upland	0.71	0.73	3,297,850	3,829,950	3,732,340	
Amer-Pima	0.85	0.89	78,050	90,160	86,870	
Cottonseed			5,414,530	6,298,310	6,131,570	
Citrus Fruits <u>1/</u>			1990-91	1991-92	1991-92	
Oranges			7,115,050	7,667,530	7,668,400	
Lemons			654,990	624,140	624,100	

1/ Season begins with the bloom of the first year shown and ends with the completion of harvest the following year.

Cotton: Area Planted and Harvested, by State  
and United States, 1989-91

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
1,000 Acres						
Upland						
AL	328.0	380.0	415.0	322.0	378.0	410.0
AZ	240.0	350.0	360.0	239.0	348.0	359.0
AR	610.0	770.0	1,000.0	595.0	750.0	980.0
CA	1,050.0	1,100.0	970.0	1,040.0	1,090.0	960.0
FL	25.5	37.0	50.0	25.0	36.0	49.0
GA	265.0	355.0	430.0	260.0	350.0	425.0
KS	1.5	1.5	2.0	0.4	1.2	1.8
LA	645.0	810.0	875.0	620.0	790.0	820.0
MS	1,050.0	1,230.0	1,245.0	1,020.0	1,220.0	1,230.0
MO	214.0	248.0	332.0	209.0	235.0	327.0
NM	61.0	69.0	69.0	55.0	62.0	65.0
NC	112.0	201.0	460.0	110.0	200.0	457.0
OK	370.0	380.0	440.0	340.0	370.0	380.0
SC	120.0	155.0	211.0	118.0	154.0	210.0
TN	465.0	525.0	620.0	460.0	515.0	610.0
TX	4,650.0	5,500.0	6,400.0	3,750.0	5,000.0	5,300.0
VA	2.7	5.3	18.0	2.6	5.3	18.0
US	10,209.7	12,116.8	13,897.0	9,166.0	11,504.5	12,601.8
Amer-Pima						
AZ	245.0	125.0	106.0	244.5	124.0	103.0
CA	18.0	25.7	60.0	17.9	25.5	60.0
MS	1.6	1.3	0.8	1.1	1.3	0.8
NM	30.3	19.3	20.0	30.2	19.3	19.8
TX	82.0	60.0	60.0	78.0	57.0	57.0
US	376.9	231.3	246.8	371.7	227.1	240.6
All						
AL	328.0	380.0	415.0	322.0	378.0	410.0
AZ	485.0	475.0	466.0	483.5	472.0	462.0
AR	610.0	770.0	1,000.0	595.0	750.0	980.0
CA	1,068.0	1,125.7	1,030.0	1,057.9	1,115.5	1,020.0
FL	25.5	37.0	50.0	25.0	36.0	49.0
GA	265.0	355.0	430.0	260.0	350.0	425.0
KS	1.5	1.5	2.0	0.4	1.2	1.8
LA	645.0	810.0	875.0	620.0	790.0	820.0
MS	1,051.6	1,231.3	1,245.8	1,021.1	1,221.3	1,230.8
MO	214.0	248.0	332.0	209.0	235.0	327.0
NM	91.3	88.3	89.0	85.2	81.3	84.8
NC	112.0	201.0	460.0	110.0	200.0	457.0
OK	370.0	380.0	440.0	340.0	370.0	380.0
SC	120.0	155.0	211.0	118.0	154.0	210.0
TN	465.0	525.0	620.0	460.0	515.0	610.0
TX	4,732.0	5,560.0	6,460.0	3,828.0	5,057.0	5,357.0
VA	2.7	5.3	18.0	2.6	5.3	18.0
US	10,586.6	12,348.1	14,143.8	9,537.7	11,731.6	12,842.4

Cotton: Yield and Production, by State  
and United States, 1989-91

State	Yield			Production 1/		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Bales 2/		
Upland						
AL	571	476	626	383.0	375.0	535.0
AZ 3/	1,303	1,119	1,190	649.0	811.0	890.0
AR	687	692	759	851.0	1,081.0	1,550.0
CA	1,228	1,204	1,250	2,661.0	2,734.0	2,500.0
FL	557	640	696	29.0	48.0	71.0
GA	631	555	813	342.0	405.0	720.0
KS	240	280	320	0.2	0.7	1.2
LA	672	715	825	868.0	1,177.0	1,410.0
MS	732	728	878	1,555.0	1,850.0	2,250.0
MO	618	641	621	269.0	314.0	423.0
NM	698	735	554	80.0	95.0	75.0
NC	615	631	683	141.0	263.0	650.0
OK	244	496	316	173.0	382.0	250.0
SC	626	452	777	154.0	145.0	340.0
TN	497	461	551	476.0	495.0	700.0
TX	367	477	430	2,870.0	4,965.0	4,750.0
VA	498	562	728	2.7	6.2	27.3
US	602	632	653	11,503.9	15,146.9	17,142.5
Amer-Pima:						
AZ	936	751	885	477.0	194.0	190.0
CA	1,078	1,080	1,040	40.2	57.4	130.0
MS	436	591	600	1.0	1.6	1.0
NM	707	609	558	44.5	24.5	23.0
TX	794	682	463	129.0	81.0	55.0
US	893	758	796	691.7	358.5	399.0
All						
AL	571	476	626	383.0	375.0	535.0
AZ 3/	1,118	1,022	1,122	1,126.0	1,005.0	1,080.0
AR	687	692	759	851.0	1,081.0	1,550.0
CA	1,226	1,201	1,238	2,701.2	2,791.4	2,630.0
FL	557	640	696	29.0	48.0	71.0
GA	631	555	813	342.0	405.0	720.0
KS	240	280	320	0.2	0.7	1.2
LA	672	715	825	868.0	1,177.0	1,410.0
MS	731	728	878	1,556.0	1,851.6	2,251.0
MO	618	641	621	269.0	314.0	423.0
NM	701	706	555	124.5	119.5	98.0
NC	615	631	683	141.0	263.0	650.0
OK	244	496	316	173.0	382.0	250.0
SC	626	452	777	154.0	145.0	340.0
TN	497	461	551	476.0	495.0	700.0
TX	376	479	431	2,999.0	5,046.0	4,805.0
VA	498	562	728	2.7	6.2	27.3
US	614	634	656	12,195.6	15,505.4	17,541.5

1/ Production ginned and to be ginned. 2/ 480-Lb. Net weight bales.  
3/ 1990 revised.

Cottonseed: Production, by State  
and United States, 1989-1991

State	Production		
	1989	1990	1991
	1,000 Tons		
AL	140.0	139.0	195.0
AZ <sup>1/</sup>	423.0	380.0	412.0
AR	335.0	431.0	609.0
CA	1,040.0	1,079.0	1,023.0
FL	10.4	17.0	25.2
GA	123.0	144.0	256.0
KS	.1	.3	.6
LA	319.0	446.0	531.0
MS	601.0	732.0	879.0
MO	104.0	124.0	167.0
NM	39.0	48.0	35.5
NC	49.0	91.0	229.0
OK	74.0	150.0	100.0
SC	54.0	50.0	118.0
TN	176.0	192.0	271.0
TX	1,189.0	1,943.0	1,898.0
VA	0.9	2.2	9.6
US	4,677.4	5,968.5	6,758.9

<sup>1/</sup> 1990 Revised.



Potatoes: Area Planted, Harvested, Yield, and Production,  
by Seasonal Group, State, and United States, 1990-92

Seasonal Group and State	Area				Yield		Production		
	Planted		Harvested		1991	1992	1990	1991	1992
	1991	1992	1991	1992					
	----- 1,000 Acres -----				-- Cwt --		----- 1,000 Cwt -----		
Winter									
CA	5.6	5.1	4.6	5.1	245	265	1,265	1,127	1,352
FL	7.6	8.1	7.6	8.0	195	190	1,078	1,482	1,520
Total	13.2	13.2	12.2	13.1	214	219	2,343	2,609	2,872
Spring 1/									
AL	4.0		2.5		120		855	300	
AZ	6.0		6.0		295		1,794	1,770	
CA	21.8		21.8		380		8,438	8,284	
FL									
Hastings	27.5		27.0		190		6,888	5,130	
Other	8.6		8.4		175		1,826	1,470	
LA									
NC	17.3		17.0		170		3,240	2,890	
TX	5.0		4.8		165		1,122	792	
Total	90.2		87.5		236		24,163	20,636	

1/ Revised.

Papayas: Area and Fresh Production, Hawaii, by Month, 1990-91

Month	Area				Fresh Production	
	Total in Crop		Harvested		1990	1991
	1990	1991	1990	1991		
	----- Acres -----				-- 1,000 Pounds --	
Nov	3,610	3,975	2,420	2,095	5,555	4,640
Dec	3,400	4,010	2,285	1,910	4,645	4,400
Jan		3,315		2,225		4,720
Feb		3,195		2,050		3,310
Mar		3,330		2,030		3,280
Apr		3,435		1,940		3,765
Cumulative Fresh Production Jan-Dec:					58,000	46,570

Oranges: Revised Valencia and Total Orange Estimates,  
California and United States, 1990-91

State, Crop and Season	Bearing Acreage	Yield per Acre	Utilization of Production					
			Fresh	Processed	Total			
	Acres	Boxes	----- 1,000 Boxes <sup>1/</sup> -----					
CA								
Navel and Misc 1990-91	109,000	145	9,200	6,600	15,800			
Valencia 1990-91*	69,100	142	7,000	2,800	9,800			
All 1990-91*	178,100	144	16,200	9,400	25,600			
US								
Early, Midseason: and Navel 1990-91	339,000	306	15,653	88,197	103,850			
Valencia 1990-91*	273,700	274	14,341	60,659	75,000			
Total 1990-91*	612,700	292	29,994	148,856	178,850			
			----- Price Per Box <sup>2/</sup> <sup>3/</sup> : Value of Production -----					
			Fresh	Processed	All	Fresh	Processed	Total
			----- Dollars -----			----- 1,000 Dollars -----		
CA								
Navel and Misc 1990-91	17.28	.89	10.43	158,976	5,874	164,850		
Valencia 1990-91*	30.27	1.37	22.01	211,890	3,836	215,726		
All 1990-91*	22.89	1.03	14.87	370,866	9,710	380,576		
US								
Early, Midseason: and Navel 1990-91	14.40	7.21	8.21	229,950	628,850	858,800		
Valencia 1990-91*	20.53	8.52	10.66	306,578	513,233	819,811		
Total 1990-91*	17.35	7.75	9.24	536,528	1,142,083	1,678,611		

<sup>1/</sup> Net pounds per box: CA - 75.

<sup>2/</sup> Equivalent packinghouse-door returns.

<sup>3/</sup> U.S. season average prices are derived by weighting the state season average prices per box by the respective box weights.

\* Revised.

All Citrus: Revisions, California  
and United States, 1990-91

State	: Bearing : Acreage	: Production	: Utilization of Production:		Value of Production
			: Fresh	: Processed	
	: Acres		----- 1,000 Tons -----		1,000 Dollars
Total Citrus	:	:	:	:	:
CA	:	:	:	:	:
1990-91*	: 250,600	: 1,838	: 1,178	: 660	: 700,438
US	:	:	:	:	:
1990-91*	: 850,300	: 11,280	: 3,156	: 8,124	: 2,501,092

\* Revised.

Citrus Fruit: Production, by State and United States, 1990-92 1/

Crop and State	Production Boxes			Production Ton Equivalent		
	Utilized			Utilized		
	Ind			Ind		
	1989-90	1990-91	1991-92	1989-90	1990-91	1991-92
	----- 1,000 Boxes <u>2/</u> -----			----- 1,000 Tons -----		
Oranges, Early Mid & Navel <u>3/</u>						
AZ	390	550	720	14	20	27
CA	44,300	15,800	32,000	1,661	593	1,200
FL	68,100	87,500	80,000	3,064	3,937	3,600
TX <u>4/</u>	1,050		40	44		2
US	113,840	103,850	112,760	4,783	4,550	4,829
Oranges, Valencia						
AZ	1,220	1,200	1,400	45	45	53
CA <u>5/</u>	27,100	9,800	28,000	1,016	368	1,050
FL	42,100	64,000	56,000	1,894	2,880	2,520
TX <u>4/</u>	155		20	7		1
US <u>5/</u>	70,575	75,000	85,420	2,962	3,293	3,624
All Oranges						
AZ	1,610	1,750	2,120	59	65	80
CA <u>5/</u>	71,400	25,600	60,000	2,677	961	2,250
FL	110,200	151,500	136,000	4,958	6,817	6,120
TX <u>4/</u>	1,205		60	51		3
US <u>5/</u>	184,415	178,850	198,180	7,745	7,843	8,453
Temples						
FL	1,400	2,500	2,600	63	113	117
Grapefruit, White Seedless						
FL	18,000	21,700	20,000	765	922	850
Grapefruit, Colored Seedless						
FL	16,300	21,800	20,500	693	926	871
Other Grapefruit						
FL	1,400	1,600	1,500	60	68	64
All Grapefruit						
AZ	2,200	2,400	2,300	70	77	74
CA <u>6/</u>						
Desert	3,500	3,500	3,500	112	112	112
Other Areas	5,900	4,500		198	150	
Total	9,400	8,000		310	262	
FL	35,700	45,100	42,000	1,518	1,916	1,785
TX <u>4/</u>	2,000		95	80		4
US	49,300	55,500		1,978	2,255	
Tangerines						
AZ	600	600	850	22	23	32
CA	1,650	1,300	1,500	62	49	56
FL	1,700	1,950	2,400	80	92	114
US	3,950	3,850	4,750	164	164	202
Lemons						
AZ	2,800	4,100	4,600	106	156	175
CA	15,800	14,900	13,500	600	566	513
US	18,600	19,000	18,100	706	722	688
Tangelos						
FL	2,950	2,650	2,600	132	119	117

### Citrus Fruit Footnotes

- 1/ The crop year begins with the bloom of the first year shown and ends with year harvest is completed.
- 2/ Net lbs. per box: oranges-CA & AZ-75, FL-90, TX-85; grapefruit-CA Desert & AZ-64, CA Other-67, FL-85, TX-80; lemons-76; tangelos and Temples-90; tangerines-CA and AZ-75, FL-95.
- 3/ Navel and miscellaneous varieties in CA and AZ. Early and mid-season varieties in FL and TX, including small quantities of tangerines in TX.
- 4/ Due to the severe freeze of December 1989, TX had no commercial production for the 1990-91 season.
- 5/ 1990-91 crop revised.
- 6/ The first forecast for CA grapefruit "Other Areas" will be as of April 1.

Hay: Stocks On Farms, May 1 and December 1, by State  
and United States, 1990-91

State	May 1		December 1	
	1990	1991 <u>1/</u>	1990 <u>1/</u>	1991
	1,000 Tons			
AL	216	124	934	1,392
AZ	26	71	213	171
AR	780	382	1,043	1,955
CA	256	332	1,911	2,841
CO	587	457	2,207	2,437
CT	31	36	135	105
DE	7	8	51	40
FL	126	55	375	490
GA	292	148	855	1,206
ID	485	408	2,287	3,221
IL	635	502	2,511	1,992
IN	355	377	1,510	1,001
IA	1,463	1,419	5,250	4,400
KS	1,012	1,037	4,636	4,175
KY	1,375	873	3,927	4,203
LA	86	46	528	630
ME	84	80	288	241
MD	94	115	515	399
MA	40	40	142	134
MI	1,041	1,067	3,041	2,890
MN	1,088	1,312	4,461	5,339
MS	265	186	807	1,620
MO	1,691	1,442	5,904	5,830
MT	894	1,124	3,956	4,567
NE	1,141	1,441	5,260	5,381
NV	88	109	680	695
NH	30	27	94	95
NJ	41	49	128	133
NM	80	138	482	630
NY	998	1,007	3,502	2,666
NC	244	182	768	753
ND	634	861	3,371	4,541
OH	637	693	3,142	1,764
OK	1,381	982	3,219	4,068
OR	318	198	1,498	1,684
PA	848	849	3,350	2,577
RI	4	4	12	10
SC	130	68	228	345
SD	1,287	1,890	5,670	7,482
TN	840	651	2,767	2,839
TX	2,204	1,600	6,800	8,730
UT	238	297	1,274	1,593
VT	151	162	502	411
VA	693	780	2,340	1,989
WA	225	336	1,986	2,228
WV	228	251	1,028	754
WI	1,454	2,371	7,022	6,795
WY	266	436	2,263	2,136
US	27,089	27,023	104,873	111,578

1/ Revised.

**December Weather Summary:** During the past two Decembers, severe freezes highlighted monthly weather stories. In 1989, Texas and Florida suffered. In 1990, California absorbed an arctic blow. But in December 1991, arctic outbreaks were non-existent. Instead, severe flooding battered eastern Texas, and late-month rains quelled drought concerns in California.

Cold air covered the eastern Canadian Border States until the 5th, then receded into Canada, not to return for the duration of the month. Especially mild conditions prevailed in the northern Plains, where temperatures averaged up to 9° F above normal, leaving winter wheat fields free of protective snow cover. Only northern Maine (clipped by cold airmasses) and mountain valleys in the central Rockies (chilled by nighttime radiational cooling) had temperatures more than 2° F below normal for December.

Two storms during the first 10 days of the month (December 1-3 and 8-9) dropped heavy rain from eastern Texas to the mid-Atlantic region. Widespread minor flooding occurred from eastern Texas to the Tennessee Valley. After the 10th, storms aimed their fury farther west. As a result, monthly precipitation exceeded twice the normal values from the Southwest to the central and southern Plains.

The event of the month was an inundating 6-day rainfall in the southern Plains. East-central Texas (from Dallas to San Antonio) endured more than 6 inches of rain. The runoff caused massive flooding along the Trinity, Brazos, Colorado, and Guadalupe Rivers, all of which drain south-eastward toward the Gulf of Mexico, and their tributaries. Monthly rainfall records fell in several cities, including Carlsbad and Roswell, NM, and Austin, Corpus Christi, San Antonio, and Wichita Falls, TX. In addition, Austin achieved its all-time wettest year (52.21 inches), topping the 51.30-inch total set in 1957.

A second, weaker storm aggravated flooding in southeastern Texas between the 25th and 27th. The storm strengthened as it moved eastward, dropping beneficial moisture on the Southeast, drier than normal since late August. However, Florida remained unusually dry for the third month in a row. Elsewhere, the Pacific Northwest and the northern Plains had generally less than half of the normal precipitation, as storms primarily passed to the south.

At month's end, two storms crossed California, providing much-needed moisture to the State, especially in the south. Until the 27th, this year's rainy season (most of the State's rain falls between October and April) had closely matched last year's near-record autumn and early winter dryness.

**December Fieldwork:** The passage of several storm fronts during December replenished supplies of soil moisture in most parts of the Nation, but delayed the completion of late-season activities. Small grain seeding was continuing in the Southeast, southern Great Plains, Delta, and Southwest entering December. Fieldwork was suspended by rains in Texas and Oklahoma during much of the month, while seeding was completed in the Southeast and advanced to the latter stages in the Southwest. Well-above-normal temperatures prevailed during the month, melting much of the snow cover in the North Central and Rocky Mountain States. Fall-seeded grains were left vulnerable to freeze, but grains were favored by the mild temperatures of the month. At the end of the month, winter wheat condition remained mainly fair to good.

Late-season row crop harvests were also in the latter stages entering December. Corn harvest was slowed by snow and mud in Iowa during early December, while weather conditions permitted the harvest of late fields in New York and the Pacific Northwest. Efforts to harvest remaining corn in Iowa were persistently hampered by storms during the month, and it was feared that some fields might remain unharvested until spring. By the end of the month, however, weather conditions improved and harvest was virtually completed.

Soybean harvest was very near completion in the Atlantic and Gulf Coast States in early December and predominately dry weather along the Atlantic Coast allowed the completion of harvest before the holidays. Rains, meanwhile, delayed the completion of harvest in Texas and the Delta. By the end of the month, a few fields along Texas' Upper Coast and High Plains remained unharvested.

Early in December, cotton harvest was progressing rapidly, as mostly dry weather prevailed from California through western Oklahoma. Harvest was also active, though well along, in the Southeast. Rain showers halted activities during the second week of the month in Texas and Oklahoma, and frequent rains through the end of the month hampered efforts to complete picking. Harvest was completed under more favorable conditions in the Southeast and Southwest, and stalk shredding and plowing for the control of boll worm was completed. Some Texas and Oklahoma fields remained too wet for harvest at the end of the month, and excess moisture was lowering yields and quality in unharvested fields.

Sorghum harvest was completed during the first half of the month, as progress advanced rapidly in New Mexico and the Texas High Plains.

**All Cotton:** The January 1 forecast of all cotton production is estimated at 17.5 million bales, down 3 percent from December 1 but up 13 percent from last year. This is the largest production since 1937. Of the total, Upland is expected to account for 17.1 million bales, while Pima production will total 399,000 bales. Total area for harvest is estimated at 12.8 million acres, up 9 percent from 1990. Yield is expected to average 656 pounds per acre, up 22 pounds from last year.

Upland cotton production in Texas and Oklahoma is forecast at 5.00 million bales, down 10 percent from last month and down 6 percent from 1990. In Texas, cotton harvest was 94 percent complete in early January, 1 percent ahead of normal. A late October freeze in Texas caused more damage than expected earlier, decreasing yield potential and forcing producers to abandon acreage. Rainfall during December prevented harvest completion and slowed movement of cotton modules to gins.

The Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) expect to produce 6.33 million bales, up slightly from December 1 and 29 percent greater than 1990. Although the spring was extremely wet and plantings were later than normal, the crop's development proceeded rapidly and yields in this region were 766 pounds per acre, 94 pounds above 1990 yields. Harvest was virtually complete in mid-December. Louisiana is expecting a record high production and Mississippi is expecting a record high yield and the largest production since 1948.



Production in the Western States (Arizona, California, and New Mexico) is expected to total 3.47 million bales, up 1 percent from the previous month's forecast but down 5 percent from 1990. Yields in this region are expected to average 1,202 pounds per acre, 37 pounds above the 1990 yield.

The forecast in the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina) totals 2.25 million bales, 2 percent above last month and 89 percent above 1990. Yields in this region are expected to average 717 pounds per acre, up from the 527 pounds per acre realized from last year's drought affected crop.

Ginnings totaled 15,891,400 running bales ginned prior to January 1, compared with 14,516,334 running bales for the same date last year and 11,547,775 running bales in 1989.

**Cottonseed:** Production for 1991, based on a 3-year average lint-seed ratio, is expected to total 6.76 million tons, up 13 percent from the 1990 production of 5.97 million tons.

**Winter Potatoes:** Production of winter potatoes in 1992 is forecast at 2.87 million cwt. This is up 10 percent from last year and 23 percent above 1990. Area for harvest is estimated at 13,100 acres, up 7 percent from last year but 1 percent below two years ago. The average yield is projected at 219 cwt per acre, 5 cwt higher than last year.

The Florida crop is in good condition with favorable growing weather. Harvest of early fields should start in late January. California growers have some concerns about dry soil and the ongoing water shortage. Notwithstanding, production is forecast 20 percent above last year's frost damaged crop.

**Spring Potatoes, 1991 Revised:** The 1991 spring potato crop is finalized at 20.6 million cwt, up 1 percent from the forecast in June, but 15 percent below the 1990 output. Final area harvested, at 87,500 acres, and yields, averaging 236 cwt, were both slightly better than forecast in June but below 1990 estimates.

**Papayas:** December fresh papaya utilization is estimated at 4.40 million pounds, down 5 percent from the November 1991 and December 1990 totals. The December output brought fresh utilization for 1991 up to 46.6 million pounds compared with 58.0 million pounds during the previous year.

Weather during December was variable with mixed effects on papaya orchards. Wet, windy conditions early in the month were unfavorable towards production and some orchards lost older trees. Conditions were more favorable during the middle of the month with periods of sunshine mixed with light showers in the major producing areas. By month's end, the wet, windy weather returned accompanied by cooler temperatures, causing some reduction in yields.

Total acreage planted to papayas was 4,010 acres, 18 percent more than December 1990 and 1 percent above November 1991. Harvested acreage was down 16 percent from a year earlier to 1,910 acres. The December harvested acreage was 9 percent below the November total.

**Oranges:** U.S production is forecast at 8.45 million tons, virtually unchanged from the December 1 forecast but 8 percent above last season. The forecast for all oranges in Florida is 136 million boxes, unchanged from December 1 but 10 percent below last season's crop. The forecast for early and mid-season varieties in Florida is 80.0 million boxes, unchanged from December 1 but 9 percent less than last season. Harvest of Florida early and mid-season oranges was about 60 percent complete as of January 1. The Valencia forecast, at 56.0 million boxes, is also unchanged from December 1 but down 12 percent from last season. For all Florida oranges, fruit sets are unusually low this season due to weather conditions. Fruit quality is good.

The California all orange forecast, at 60.0 million boxes, is unchanged from December 1 and is 134 percent higher than last year's freeze-damaged crop. The forecast for Navel oranges is 32.0 million boxes, unchanged from December and 103 percent more than last season. Harvest of the Navel crop as of January 1 was approximately 19 percent complete. The California Valencia forecast of 28.0 million boxes is unchanged from the December 1 forecast and 186 percent above last season's revised production estimate. For all California oranges, sizes are smaller than normal with good quality reported.

Arizona's all orange forecast, at 2.12 million boxes, is up 1 percent from the October 1 forecast and up 21 percent from last season. Fruit quality is good with over 50 percent of the Navel orange crop already harvested. The Texas all orange forecast is 60,000 boxes, down 25 percent from last month. Texas had no commercial production last season due to the severe freeze of December 1989. Harvest is nearing completion with less fruit being packed than expected.

Changes in U.S. production between the January 1 forecast and final production have averaged 14.9 million boxes over the past 10 seasons ranging from a low of 680,000 boxes in 1982-83 to a high of 43.2 million boxes in 1981-82. The large difference between the January 1, 1982 forecast and the final production for the 1981-82 season was the result of the January 1982 Florida freeze.

**Florida Frozen Concentrated Juice Yield:** The 1991-92 forecast of all Frozen Concentrated Orange Juice Yield (FCOJ) for Florida is 1.50 gallons per box at 42.0 degrees Brix. The forecast projects the final yield as reported by the Florida Citrus Processors Association. The final 1990-91 yield for all fruit used in FCOJ was 1.45 gallons per box at 42.0 degrees Brix.

**Grapefruit:** Prospects as of January 1 for the 1991-92 season indicate a crop of 1.98 million tons, 1 percent below the December 1 forecast and 12 percent below last season's production. This forecast includes California's "Desert" grapefruit, but excludes California's "Other Areas" grapefruit. The grapefruit crop from California's "Other Areas" accounted for 150,000 tons (4.50 million boxes) last year. The first forecast for that area will be as of April 1, 1992.

Florida's grapefruit forecast is 42.0 million boxes, 1 percent less than the December 1 forecast and 7 percent less than the 1990-91 crop. The Florida white seedless grapefruit forecast is 20.0 million boxes, unchanged from the December 1 forecast but 8 percent less than the previous season; colored seedless grapefruit is forecast at 20.5 million boxes, 2 percent less than

December 1 and 6 percent less than the 1990-91 crop; seeded grapefruit, at 1.50 million boxes, is unchanged from December 1 but 6 percent below last season. Sizes are very good this season and harvest is 33 percent complete.

The California Desert grapefruit forecast remains at 3.50 million boxes, unchanged from the October 1 forecast and last season's. Recent rains are expected to be beneficial to the groves. Arizona's grapefruit crop forecast is also unchanged from October 1 at 2.30 million boxes, 4 percent below last season. Fruit quality is good. Quality remains good and harvest is 13 percent complete. Texas production is forecast at 95,000 boxes, down 17 percent from last month. Last year Texas had no commercial production due to the severe December 1989 freeze. Harvest is nearing completion with less fruit being packed than previously anticipated.

**Lemons:** The Arizona-California lemon crop is expected to total 688,000 tons, unchanged from the October 1 forecast but 5 percent below last season's utilized production. California's forecast of 13.5 million boxes is also unchanged from the October 1 forecast, but is 9 percent less than the 1990-91 season's crop. The crop is light in the Central Valley due to the December 1990 freeze. Fruit set is good in other parts of the State, but sizes are small. Overall quality is good.

The Arizona forecast is 4.60 million boxes, unchanged from the October 1 forecast and 12 percent more than last season's utilized crop. Overall quality is good. Approximately 62 percent of the crop has been harvested.

**Tangelos:** The Florida tangelo crop production forecast remains at 2.60 million boxes, 2 percent below last season's production. Fruit sizes are good and harvest is 78 percent complete.

**Tangerines:** The U.S. all tangerine forecast is 202,000 tons, up slightly from December 1 and 23 percent above the 1990-91 crop. This forecast includes the Dancy, Robinson, Honey, and Sunburst varieties of tangerines in Florida, as well as production of California and Arizona tangerines.

The Florida forecast is 2.40 million boxes, down 4 percent from December 1 but 23 percent more than 1990-91. Harvest is finished on the early varieties and is 50 percent complete on all Florida tangerines. Quality and sizes remain good. The California crop forecast, at 1.50 million boxes, is unchanged from the October 1 forecast and is up 15 percent from last season. Recent rains have improved the condition of the trees. Harvest is underway with good fruit quality reported. The Arizona crop forecast is 850,000 boxes, up 21 percent from the October 1 forecast and up 42 percent from the 1990-91 utilized production. As harvest progresses, more fruit is being packed than previously anticipated. Harvest is 35 percent complete with good quality reported.

**Temples:** Florida's temple production forecast remains unchanged this month at 2.60 million boxes. If realized, this year's production would be 4 percent more than last season. Harvest has just begun and is 1 percent complete.

**Florida Citrus:** Most of Florida's citrus groves are in good condition despite the dry weather. Growers in all areas have been irrigating for the past two months due to the absence of regular rainfall. The current on-tree fruit condition is good with excellent color. Harvest of Early and Mid oranges was active during December. All of the processing plants opened early in December due to advanced maturity of most early crops. Movement of all grapefruit for both fresh and processing continued strong throughout December. Fresh shipments of grapefruit for export account for 45 percent of the total crop, with the balance going domestic. Early tangerine harvest was virtually complete by the end of December. Dancy tangerine and Orlando tangelo harvest gained momentum as sales increased during the Christmas season.

**Texas Citrus:** Groves across the Valley are in good condition. December rainfall was beneficial to new growth. Harvesting operations are winding down for this season.

**Hay Stocks On Farms:** Hay stocks on farms totaled 112 million tons on December 1, 1991. This is 6 percent more than the amount on hand a year earlier and 10 percent above the holdings on December 1, 1989. The increase in stocks reflects in part the larger 1991 hay crop. Disappearance of hay during the May 1, 1991, to December 1, 1991, period totaled 73.8 million tons, up 7 percent from the 69.2 million tons disappearance during the same period a year earlier.

**California Fruit and Nuts:** Pruning of orchards was active during December as well as irrigating and dormant tree spraying. Kiwifruit picking neared completion, while date harvest in Riverside County continued. Avocado picking was also active. Central Valley Navel orange harvest increased during December yielding good quality fruit but with small sizes. Growers had to run water and wind machines a few cold mornings to protect fruit. Desert area citrus harvest progressed with good quality.

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## Report Features

The next "Crop Production" report will be released on February 11, 1992, at 3:00 p.m. ET.

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