

# Crop Production



National  
Agricultural  
Statistics  
Service

United States  
Department of  
Agriculture

Washington, D.C.

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Released on January 12, 1994, by the Agricultural Statistics Board. Forecasts refer to January 1, 1994.

## Cotton Production Down Slightly from Last Year

All cotton production, at 16.2 million bales, is down 42,900 bales from 1992. Upland production in Texas increased 56 percent from last year, due to harvesting 91 percent of the planted acreage this season compared to only 65 percent in 1992. California's upland crop is forecast at 2.93 million bales, exceeding earlier production expectations.

All orange production is forecast at 10.5 million tons, up 2 percent from last month but 5 percent below last season. Florida's production forecast is 176 million boxes (7.92 million tons), up 2 percent from December but 6 percent below last season. Early and mid-season varieties are expected to produce 110 million boxes (4.95 million tons), up 2 percent from December but 4 percent less than last season. The Florida Valencia forecast is 66.0 million boxes (2.97 million tons), up 3 percent from December but 9 percent below a year ago. California's all orange production is forecast at 66.0 million boxes (2.48 million tons), unchanged from last month but down 1 percent from last season. The Navel orange forecast remained unchanged at 38.0 million boxes (1.43 million tons), 13 percent less than last year. The Valencia forecast is 28.0 million boxes (1.05 million tons) also unchanged from December but up 22 percent over last year's revised production.

Florida frozen concentrated juice yield for the 1993-94 season is projected to be 1.56 gallons per box at 42.0 degrees Brix. This increase from last month's forecast of 1.55 gallons per box is accompanied by the initial projections for the seasonal components. The projected yield for the early and mid-season varieties is 1.52 gallons per box, the same as last year's record high. The Valencia portion of the crop is expected to yield 1.65 gallons per box. Last season's final yield for Valencias was 1.69 gallons per box. The forecast is projected to estimate the final yield as reported by the Florida Citrus Processors Association.

### \*\*\*\*\* CORRECTION \*\*\*\*\*

"Crop Production" Cr Pr 2-2 (12-93) released December 9, 1993, requires corrections to the Field Crops Farm Marketings on pages A-21, A-22, A-27, and A-28. These Farm Marketings corrections start on page B-6 of this report.

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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.

Cr Pr 2-2 (1-94)


Crop Summary: Area Planted, Harvested, Yield, and Production,  
United States, 1993-94 (Domestic Units)

Crop	Area Planted		Area Harvested	
	1993	1994	1993	1994
	1,000 Acres			
Winter Potatoes	14.3	12.4	13.6	12.3
	Yield Per Acre		Production	
	1993	1994	1993	1994
	Cwt		1,000 Cwt	
Winter Potatoes	188	211	2,552	2,595


Crop Summary: Hay Stocks on Farms,  
United States, 1992-93 (Domestic Units)

Date	1992	1993
	1,000 Tons	
May 1	28,599	21,102
December 1	105,601	101,888

This report was approved on January 12, 1994, by the Acting Secretary of Agriculture and the National Agricultural Statistics Service's Agricultural Statistics Board.



Acting Secretary of  
Agriculture  
Eugene Moos



Agricultural Statistics Board  
Chairperson  
Rich Allen

Crop Summary: Area Planted and Harvested, United States,  
1992 and Forecasted January 1, 1994  
(Domestic Units)

Crop	Area Planted		Area Harvested	
	1992	1993	1992	1993
	1,000 Acres			
All Cotton	13,240.0	13,443.8	11,143.3	12,787.6
Upland	12,976.6	13,253.8	10,883.1	12,598.7
Amer-Pima	263.4	190.0	260.2	188.9

Crop Summary: Yield per Acre and Production, United States,  
1992 and Forecasted January 1, 1994  
(Domestic Units)

Crop and Unit	Yield per Acre:			Production		
	1992	1993	1992	Dec 1, 1993	Jan 1, 1994	
	----- 1,000 -----					
All Cotton <u>1/</u> Bale	699	607	16,218.5	16,283.5	16,175.6	
Upland <u>1/</u> "	693	602	15,710.2	15,896.5	15,790.6	
Amer-Pima <u>1/</u> "	938	978	508.3	387.0	385.0	
Cottonseed Ton			6,230.1	6,317.2		
Citrus Fruits <u>2/</u>			1992-93	1993-94	1993-94	
Oranges Ton			10,988	10,312	10,488	
Lemons "			930	923	942	

1/ Yield in pounds.

2/ 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, 1993-94 (Metric Units)

Crop	Area Planted		Area Harvested	
	1993	1994	1993	1994
	Hectares			
Winter Potatoes	5,790	5,020	5,500	4,980
	Yield Per Hectare		Production	
	1993	1994	1993	1994
	Metric Tons			
Winter Potatoes	21.05	23.64	115,760	117,710

Crop Summary: Hay Stocks on Farms,  
United States, 1992-93 (Metric Units)

Date	1992	1993
	Metric Tons	
May 1	25,944,580	19,143,410
December 1	95,799,620	92,431,240

Crop Summary: Area Planted and Harvested, United States,  
1992 and Forecasted January 1, 1994  
(Metric Units)

Crop	Area Planted		Area Harvested	
	1992	1993	1992	1993
	Hectares			
All Cotton	5,358,100	5,440,570	4,509,580	5,175,010
Upland	5,251,500	5,363,680	4,404,280	5,098,570
Amer-Pima	106,600	76,890	105,300	76,450

Crop Summary: Yield per Hectare and Production, United States,  
1992 and Forecasted January 1, 1994  
(Metric Units)

Crop	Yield per Hectare:		Production		
	1992	1993	1992	Dec 1. 1993	Jan 1. 1994
	Metric Tons				
All Cotton	0.78	0.68	3,531,160	3,545,320	3,521,820
Upland	0.78	0.67	3,420,490	3,461,060	3,438,000
Amer-Pima	1.05	1.10	110,670	84,260	83,820
Cottonseed			5,651,850	5,730,870	
Citrus Fruits <u>1/</u>			1992-93	1993-94	1993-94
Oranges			9,968,150	9,354,890	9,514,550
Lemons			843,680	837,330	854,570

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 Type, State,  
and United States, 1991-93

Type and State	Area Planted			Area Harvested		
	1991	1992	1993	1991	1992	1993
1,000 Acres						
Upland						
AL	410.0	415.0	443.0	405.0	408.0	430.0
AZ	360.0	325.0	316.0	359.0	323.0	315.0
AR	1,000.0	1,000.0	990.0	980.0	980.0	970.0
CA	980.0	1,000.0	1,050.0	977.0	995.0	1,045.0
FL	50.0	50.0	54.0	49.0	49.5	53.5
GA	430.0	460.0	605.0	427.0	456.0	590.0
KS	2.0	2.5	1.6	1.8	0.8	1.4
LA	875.0	890.0	890.0	820.0	870.0	875.0
MS	1,245.0	1,350.0	1,330.0	1,230.0	1,345.0	1,300.0
MO	332.0	335.0	345.0	327.0	328.0	335.0
NM	69.0	55.0	64.0	65.0	37.0	58.0
NC	460.0	380.0	390.0	457.0	377.0	385.0
OK	440.0	370.0	370.0	380.0	335.0	350.0
SC	211.0	197.0	202.0	210.0	192.0	198.0
TN	620.0	625.0	630.0	610.0	615.0	620.0
TX	6,300.0	5,500.0	5,550.0	5,400.0	3,550.0	5,050.0
VA	17.7	22.1	23.2	17.7	21.8	22.8
US	13,801.7	12,976.6	13,253.8	12,715.5	10,883.1	12,598.7
Amer-Pima						
AZ	106.0	103.0	57.0	103.0	102.0	56.9
CA	64.0	110.0	91.0	64.0	110.0	91.0
MS <sup>1/</sup>	0.8	0.4		0.6	0.4	
NM	19.6	13.0	11.0	19.4	12.8	11.0
TX	60.0	37.0	31.0	57.0	35.0	30.0
US	250.4	263.4	190.0	244.0	260.2	188.9
All						
AL	410.0	415.0	443.0	405.0	408.0	430.0
AZ	466.0	428.0	373.0	462.0	425.0	371.9
AR	1,000.0	1,000.0	990.0	980.0	980.0	970.0
CA	1,044.0	1,110.0	1,141.0	1,041.0	1,105.0	1,136.0
FL	50.0	50.0	54.0	49.0	49.5	53.5
GA	430.0	460.0	605.0	427.0	456.0	590.0
KS	2.0	2.5	1.6	1.8	0.8	1.4
LA	875.0	890.0	890.0	820.0	870.0	875.0
MS	1,245.8	1,350.4	1,330.0	1,230.6	1,345.4	1,300.0
MO	332.0	335.0	345.0	327.0	328.0	335.0
NM	88.6	68.0	75.0	84.4	49.8	69.0
NC	460.0	380.0	390.0	457.0	377.0	385.0
OK	440.0	370.0	370.0	380.0	335.0	350.0
SC	211.0	197.0	202.0	210.0	192.0	198.0
TN	620.0	625.0	630.0	610.0	615.0	620.0
TX	6,360.0	5,537.0	5,581.0	5,457.0	3,585.0	5,080.0
VA	17.7	22.1	23.2	17.7	21.8	22.8
US	14,052.1	13,240.0	13,443.8	12,959.5	11,143.3	12,787.6

<sup>1/</sup> Estimates discontinued in 1993.

Cotton: Yield and Production by Type,  
State, and United States, 1991-93

Type and State	Yield			Production <u>1/</u>		
	1991	1992	1993	1991	1992	1993
	Pounds			1,000 Bales <u>2/</u>		
Upland						
AL	655	731	513	553.0	621.0	460.0
AZ	1,201	1,077	1,219	898.0	725.0	800.0
AR	772	823	554	1,576.0	1,681.0	1,120.0
CA	1,252	1,359	1,346	2,548.0	2,817.0	2,930.0
FL	719	701	763	73.4	72.3	85.0
GA	812	783	586	722.0	744.0	720.0
KS	347	120	206	1.3	0.2	0.6
LA	828	717	609	1,414.0	1,299.0	1,110.0
MS	888	761	576	2,275.0	2,131.0	1,560.0
MO	630	792	494	429.0	541.0	345.0
NM	465	616	745	63.0	47.5	90.0
NC	672	596	517	640.0	468.0	415.0
OK	303	301	363	240.0	210.0	265.0
SC	786	565	509	344.0	226.0	210.0
TN	552	651	426	701.0	834.0	550.0
TX	419	441	485	4,710.0	3,265.0	5,100.0
VA	765	621	632	28.2	28.2	30.0
US	650	693	602	17,215.9	15,710.2	15,790.6
Amer-Pima						
AZ	860	649	801	184.5	138.0	95.0
CA	1,097	1,282	1,187	146.2	293.7	225.0
MS <u>3/</u>	560	480		0.7	0.4	
NM	470	739	742	19.0	19.7	17.0
TX	404	775	768	48.0	56.5	48.0
US	784	938	978	398.4	508.3	385.0
All						
AL	655	731	513	553.0	621.0	460.0
AZ	1,125	975	1,155	1,082.5	863.0	895.0
AR	772	823	554	1,576.0	1,681.0	1,120.0
CA	1,242	1,351	1,333	2,694.2	3,110.7	3,155.0
FL	719	701	763	73.4	72.3	85.0
GA	812	783	586	722.0	744.0	720.0
KS	347	120	206	1.3	0.2	0.6
LA	828	717	609	1,414.0	1,299.0	1,110.0
MS	888	760	576	2,275.7	2,131.4	1,560.0
MO	630	792	494	429.0	541.0	345.0
NM	466	648	744	82.0	67.2	107.0
NC	672	596	517	640.0	468.0	415.0
OK	303	301	363	240.0	210.0	265.0
SC	786	565	509	344.0	226.0	210.0
TN	552	651	426	701.0	834.0	550.0
TX	419	445	486	4,758.0	3,321.5	5,148.0
VA	765	621	632	28.2	28.2	30.0
US	652	699	607	17,614.3	16,218.5	16,175.6

1/ Production ginned and to be ginned.

2/ 480-Lb. net weight bales.

3/ Estimates discontinued in 1993.

Cottonseed: Production by State  
and United States, 1991-1993

State	Production		
	1991	1992	1993
	1,000 Tons		
AL	196.0	224.0	167.0
AZ	409.0	335.0	341.0
AR	718.0	653.0	462.0
CA	1,073.0	1,148.0	1,213.0
FL	28.0	25.0	32.0
GA	260.0	261.0	256.0
KS	.5	.1	.2
LA	522.0	484.0	414.0
MS	876.0	834.0	609.0
MO	171.0	217.0	137.0
NM	31.0	25.0	41.5
NC	229.0	171.0	148.0
OK	101.0	85.0	108.0
SC	121.0	80.0	73.0
TN	277.0	332.0	217.0
TX	1,903.0	1,346.0	2,042.0
VA	10.0	10.0	10.7
US	6,925.5	6,230.1	6,271.4

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



Potatoes: Area Planted, Harvested, Yield, and Production,  
by Seasonal Group, State, and United States, 1992-94

Seasonal Group and State	Area				Yield		Production		
	Planted		Harvested		1993	1994	1992	1993	1994
	1993	1994	1993	1994					
	----- 1,000 Acres -----				--- Cwt ---		----- 1,000 Cwt -----		
Winter									
CA	5.6	4.5	5.2	4.5	200	230	1,378	1,040	1,035
FL	8.7	7.9	8.4	7.8	180	200	1,620	1,512	1,560
Total	14.3	12.4	13.6	12.3	188	211	2,998	2,552	2,595
Spring <u>1/</u>									
AL	2.8		2.7		155		543	419	
AZ	5.5		5.5		270		1,800	1,485	
CA	19.5		19.5		385		7,238	7,508	
FL									
Hastings	28.0		26.0		180		6,000	4,680	
Other FL	8.0		7.5		185		1,750	1,388	
NC	17.6		17.3		180		3,460	3,114	
TX	5.5		5.3		200		744	1,060	
Total	86.9		83.8		235		21,535	19,654	

1/ Revised.

Papayas: Area and Fresh Production, by Month, Hawaii, 1992-93

Month	Area				Fresh Production	
	Total in Crop		Harvested		1992	1993
	1992	1993	1992	1993		
	----- Acres -----				-- 1,000 Pounds --	
Nov	3,685	3,430	2,655	2,535	5,235	6,015
Dec	3,645	3,365	2,745	2,480	5,075	5,785
Jan		3,605		2,725		5,130
Feb		3,675		2,775		4,760
Mar		3,175		2,765		5,195
Apr		3,700		2,775		3,260
Cumulative Fresh Production Jan-Dec					55,800	57,930

Oranges: Revised Valencia and Total Orange Estimates,  
California and United States, 1992-93

State, Crop and Season	Bearing Acreage	Yield per Acre	Utilization of Production					
			Fresh	Processed	Total			
	Acres	Boxes	----- 1,000 Boxes <u>1/</u> -----					
CA								
Navel and Misc 1992-93	112,000	391	32,700	11,100	43,800			
Valencia 1992-93*	69,700	330	16,400	6,600	23,000			
All 1992-93*	181,700	368	49,100	17,700	66,800			
US								
Early, Midseason: and Navel 1992-93	384,760	414	40,629	118,621	159,250			
Valencia 1992-93*	301,160	320	21,108	75,302	96,410			
Total 1992-93*	685,920	373	61,737	193,923	255,660			
			----- Price per Box <u>2/</u> <u>3/</u> : Value of Production -----					
			Fresh	Processed	All	Fresh	Processed	Total
			----- Dollars -----			----- 1,000 Dollars -----		
CA								
Navel and Misc 1992-93	8.60	.41	6.32	281,220	-4,551	276,669		
Valencia 1992-93*	11.60	.33	8.37	190,240	2,178	192,418		
All 1992-93*	9.60	.13	7.02	471,460	-2,373	469,087		
US								
Early, Midseason: and Navel 1992-93	8.18	3.69	4.73	334,606	430,428	765,034		
Valencia 1992-93*	9.81	4.82	5.81	211,160	358,118	569,278		
Total 1992-93*	8.74	4.13	5.14	545,766	788,546	1,334,312		

1/ Net pounds per box: CA - 75.

2/ Equivalent packinghouse-door returns.

3/ 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, 1992-93

State	Bearing Acreage	Production	Utilization of Production		Value of Production
			Fresh	Processed	
	Acres		1,000 Tons		1,000 Dollars
Total Citrus					
CA 1992-93*	253,600	3,664	2,464	1,200	740,722
US 1992-93*	945,110	15,272	4,468	10,804	1,985,598

\* Revised.

Citrus Fruit: Utilized Production by Crop, State, and United States,  
1992-93 and Forecasted January 1, 1994 <sup>1/</sup>

Crop and State	Utilized Production Boxes			Utilized Production Ton Equivalent		
	1991-92	1992-93	1993-94	1991-92	1992-93	1993-94
	----- 1,000 Boxes <sup>2/</sup> -----			----- 1,000 Tons -----		
Oranges						
Early Mid & Navel <sup>3/</sup>						
AZ	780	700	700	29	26	26
CA	35,100	43,800	38,000	1,317	1,642	1,425
FL	83,400	114,300	110,000	3,753	5,143	4,950
TX	20	450	500	1	20	21
US	119,300	159,250	149,200	5,100	6,831	6,422
Valencia						
AZ	1,600	1,150	1,100	60	43	41
CA <sup>4/</sup>	32,300	23,000	28,000	1,211	863	1,050
FL	56,400	72,200	66,000	2,538	3,249	2,970
TX <sup>5/</sup>	10	60	120	2	2	5
US <sup>4/</sup>	90,310	96,410	95,220	3,809	4,157	4,066
All						
AZ	2,380	1,850	1,800	89	69	67
CA <sup>4/</sup>	67,400	66,800	66,000	2,528	2,505	2,475
FL	139,800	186,500	176,000	6,291	8,392	7,920
TX	30	510	620	1	22	26
US <sup>4/</sup>	209,610	255,660	244,420	8,909	10,988	10,488
Temples						
FL	2,350	2,500	2,300	106	113	104
Grapefruit						
White Seedless						
FL	19,100	25,700	23,000	812	1,093	978
Colored Seedless						
FL	22,100	27,700	25,000	940	1,177	1,063
Other						
FL	1,200	1,750	1,000	51	74	43
All						
AZ	2,800	2,150	2,100	89	69	70
CA <sup>6/</sup>						
Desert	3,500	3,500	3,300	112	112	111
Other Areas	6,500	6,000		217	201	
Total	10,000	9,500		329	313	
FL	42,400	55,150	49,000	1,803	2,344	2,084
TX	65	1,875	2,800	3	75	112
US	55,265	68,675		2,224	2,801	
Tangerines						
AZ	1,200	950	1,100	45	35	41
CA	2,440	2,200	2,500	92	83	94
FL	2,600	2,800	3,700	123	133	176
US	6,240	5,950	7,300	260	251	311
Lemons						
AZ	5,100	4,400	4,800	193	167	182
CA	15,100	20,100	20,000	573	763	760
US	20,200	24,500	24,800	766	930	942
Tangelos						
FL	2,600	3,050	3,100	117	137	140
K-Early Citrus						
FL	165	185	210	7	8	9

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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 in 1991-92 and 1992-93. 67-starting in January 1994, CA Other-67, FL-85, TX-80; lemons-76; tangelos, K-Early Citrus & 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/ 1992-93 crop revised.
- 5/ TX estimated at 425 tons for 1991-92.
- 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, 1992-93

State	May 1		December 1	
	1992	1993 <sup>1/</sup>	1992 <sup>1/</sup>	1993
	1,000 Tons			
AL	229	134	1,252	1,181
AZ	71	37	269	124
AR	489	419	2,265	1,769
CA	775	155	2,869	1,670
CO	528	396	2,575	2,480
CT	14	23	107	90
DE	10	5	36	16
FL	41	140	753	403
GA	324	244	1,007	684
ID	644	292	2,193	2,955
IL	348	365	1,757	1,725
IN	138	177	1,380	1,164
IA	817	1,058	4,300	3,410
KS	755	800	4,669	4,180
KY	923	790	4,047	4,362
LA	105	97	502	396
ME	38	54	259	239
MD	51	52	428	374
MA	20	32	161	93
MI	1,051	510	2,320	3,185
MN	1,618	1,114	3,537	3,881
MS	288	162	1,823	1,382
MO	1,280	703	5,835	6,160
MT	1,349	897	4,012	4,706
NE	1,569	1,364	5,777	5,680
NV	162	32	499	651
NH	15	24	110	98
NJ	28	43	140	129
NM	140	70	616	588
NY	615	503	2,334	1,983
NC	212	148	728	436
ND	1,195	844	3,796	5,194
OH	252	364	2,275	1,910
OK	1,134	1,188	4,323	3,696
OR	384	73	1,537	1,686
PA	604	833	2,989	2,837
RI	2	2	11	8
SC	108	41	234	70
SD	3,218	2,176	7,020	9,464
TN	653	485	2,945	2,226
TX	2,522	2,058	8,918	6,005
UT	319	246	1,344	1,518
VT	78	142	484	425
VA	610	494	2,382	1,694
WA	327	148	1,777	992
WV	61	118	942	932
WI	2,084	853	4,446	4,507
WY	401	197	1,618	2,530
US	28,599	21,102	105,601	101,888

<sup>1/</sup> Revised.

**December Weather Summary:** The Polar Front Jet Stream (PFJ), locked safely north of the Canadian border until December 20, plunged precipitously southeastward thereafter, ushering a frigid, stormy regime into the Nation's northeastern quadrant. Accumulated positive temperature anomalies vanished in the Eastern States, and were significantly reduced in the north central States. However, temperatures remained above normal for the duration of the month in the High Plains, which remained west of the PFJ's thrust, and under the influence of downslope (warm) winds. In the West, near- to above-normal temperatures prevailed, along with below-normal precipitation.

**California Water Conditions Update:** Heavy precipitation failed to materialize across the West in December, despite encouraging storm systems during the first-half of the month. But after a mid-month transition from slow-moving spring-like storms to a storm-blocking ridge of high pressure, chances for rain and snow dwindled. Nevertheless, the cumulative storage of California's 155 largest reservoirs is near-normal due to the drought-ending precipitation of the 1992-93 wet season. The State's reservoirs contained 22.5 million acre feet (7.3 trillion gallons) of water on January 1, 1994, which is 101 percent of the long-term average. A year ago, on January 1, 1993, the cumulative effects of 6 years of drought had left reservoir storage at 13.0 million acre feet (4.2 trillion gallons).

On January 1, 1994, snowpack in California's Sierra Nevada mountains stood at 45 percent of normal, ranging from about 40 percent of normal in the south to 55 percent of normal in the north. During a typical season, the Sierras amass slightly less than half of the season's snowfall by January 1, and attain a maximum snowpack around April 1. Subsequent spring snowmelt is the primary source of water for the State's reservoirs.

Snow cover, depth, and frequency increased dramatically after mid-month in an arc from the Great Lakes States to the Northeast. Elkins, WV, reported at least a trace of snow on each day from December 18 through month's end. Meanwhile, snow (and frigid air) infrequently covered winter wheat areas from Kansas southward. Farther north, warmth eroded considerable snow cover in Montana. By December 31, snow covered an area from the Dakotas southeastward to the middle Mississippi and Ohio Valleys, and eastward through the Middle Atlantic States.

Buffalo, NY, noted -9 degrees F on December 27, their lowest reading since January 21, 1985. A day earlier, Sault Ste. Marie, MI, eclipsed its December record with -31 degrees F. Several weeks earlier, record warmth pressed into the Pacific Northwest in advance of a strong storm. Portland, OR (65 degrees F) and Salem, OR (66 degrees F) registered December records on the 10th. The storm responsible for that warmth turned out to be the last in a series of slow-moving, cross-continental storms, effectively shutting down the precipitation machine across the West Coast States. Farther east, rain and snow continued at an irregular rate, as storms originating in the Canadian Prairies (termed "Alberta Clippers") occasionally tapped sub-tropical moisture. One such storm deposited an inch of snow in Columbus, GA, on December 23, while another dropped 4 inches of snow and ice on Richmond, VA, on December 28-29.

**General Crop Comments:** Snow cover for winter wheat was adequate in the Northwest and northern Great Plains in early December. Above-normal temperatures during the month in Montana and the Northwest reduced the snow cover. By the end of the month, snow cover for winter wheat in these areas was slight to non-existent. Warm conditions in the central Great Plains

reduced and removed most of their snow cover in December. Further east, snow and low temperatures during December provided adequate cover for winter wheat across the Dakotas, Minnesota, and the middle Mississippi and Ohio Valleys. Dry conditions slowed winter wheat growth in the southern Great Plains. In the South and Southeast, winter wheat fields were affected by low temperatures and excessive moisture. By the end of December, the winter wheat crop across the Nation was in generally good condition. However, producers in the Northwest, Montana, and the central Great Plains were concerned about the lack of snow cover. The soybean harvest in the Southeast ended by mid-December, and the cotton harvest concluded in Texas at the end of the month. The citrus harvest was active throughout the month. Cool weather in California and Florida in early December enhanced citrus color.

**Cotton:** Upland cotton planted acreage is estimated at 13.3 million acres, up 2 percent from the 1992. Harvested acreage at 12.6 million acres, is 16 percent greater than last year. Texas harvested 91 percent of the planted acreage this season, compared to only 65 percent in 1992. Producers planted 190,000 acres of American-Pima cotton in 1993, down 28 percent from 1992. Harvested acreage is estimated at 188,900 acres, a 27 percent decrease from last year.

In Texas, harvest neared completion throughout the State. In the Low Plains, producers shredded stalks and plowed fields. Generally, favorable weather caused the crop to develop faster than normal and harvest proceeded ahead of the average pace throughout the entire season.

The Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) suffered from drought, extreme temperatures, and insect infestations during 1993. Plantings were delayed but eventually equalled the 5-year average pace. Boll development was reduced and yields declined from the potentially higher yields indicated in August. Although planted acreage in this region was virtually unchanged from 1992 planted acreage, harvested acreage declined 1 percent.

Arizona yields improved from last year. The 1992 yields were adversely affected by whitefly infestations and weather related problems. Early season rainfall in California caused plantings to be late in 1993, but development was better than anticipated and yields exceeded earlier expectations.

In the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina), drought and extreme temperatures also affected production. Plantings of the 1993 crop were 13 percent above 1992 and harvested acreage was 12 percent greater than last year.

American-Pima production is forecast at 385,000 bales, down 24 percent from 1992's output and down 2,000 bales from the December forecast. Yield is indicated at 978 pounds per harvested acre, up 40 pounds from last year. Arizona shows a yield increase of 152 pounds per acre compared to 1992, due to last year's crop being affected by adverse weather and insect problems.

All cotton ginnings totaled 15,303,300 running bales prior to January 1, compared with 14,944,150 running bales ginned to the same date last year and 15,877,750 running bales in 1991.

**Winter Potatoes:** Production of winter potatoes in 1994 is forecast at 2.60 million cwt, up 2 percent from last year but 13 percent below 1992. Area for harvest is estimated at 12,300 acres, off 10 percent from



a year ago and 8 percent below two years ago. The average yield is projected at 211 cwt per acre, 23 cwt higher than last year but 13 cwt below 1992.

The Florida crop is expected to be 3 percent larger than a year ago, if the season goes as expected. Harvest should start in early February. California growers look to harvest a slightly smaller crop than they did last year. Yields should be higher but harvested acreage is off 700 acres.

**Spring Potatoes, 1993 Revised:** The 1993 spring potato crop is finalized at 19.7 million cwt, down 9 percent from last year and 5 percent below 1991 output. Area harvested, at 83,800 acres, was 1 percent above a year ago but was 4 percent below two years ago. The average yield of 235 cwt per acre was down 24 cwt from last year.

**Papayas:** Hawaii's fresh papaya production is estimated at 5.79 million pounds during December. This was 4 percent lower than November but 14 percent more than December 1992. Annual 1993 fresh papaya sales were 4 percent greater than the 1992 total.

Weather conditions during December were cool and variable. Intermittent showers graced major growing areas during the first-half of the month. A winter storm brought heavier rainfall at mid-month. The latter part of December was drier with mostly sunshine during the last week.

Area devoted to papaya production is estimated at 3,365 acres, 2 percent lower than November and 8 percent lower than December of last year. Harvested area, totaling 2,480 acres, was 2 percent lower than last month and 10 percent lower than a year ago.

**Grapefruit:** The forecast of the 1993-94 U.S. grapefruit crop (excluding California's "Other Areas") is 2.38 million tons, virtually unchanged from last month but down 9 percent from last season. Last year, California's "Other Areas" produced 201,000 tons (6.00 million boxes). The first forecast for that type of grapefruit will be made as of April 1, 1994.

The forecasts for all three types of Florida grapefruit are unchanged from December and total 49.0 million boxes (2.08 million tons). Those respective forecasts are white seedless 23.0 million boxes (978,000 tons); colored seedless 25.0 million boxes (1.06 million tons); and seedy grapefruit 1.00 million boxes (43,000 tons). Movement of white and colored grapefruit for domestic and export use was active through December. About 80 percent of the seedless varieties remain for harvest.

The forecast for the California desert grapefruit crop is 111,000 tons (3.30 million boxes), down 1 percent from October 1 and last season. Fruit quality is reported to be excellent. The Texas grapefruit forecast remains at 2.80 million boxes (112,000 tons), 49 percent larger than last season. Almost 50 percent of the crop has been harvested. The Arizona grapefruit forecast is 70,000 tons (2.10 million boxes), unchanged from October and up 1 percent from last season. Harvest is just getting underway and is approximately 14 percent complete.

**Lemons:** The 1993-94 U.S. lemon crop is forecast at 942,000 tons, up 2 percent from October and up 1 percent from last season. The California forecast remains unchanged at 20.0 million boxes (760,000 tons). Picking

volume increased during December in the San Joaquin Valley and in Southern California. Fruit quality is average.

The Arizona forecast has been increased to 4.80 million boxes (182,000 tons), 12 percent more than the previous forecast and 9 percent greater than last season. Approximately 54 percent of the crop had been harvested as of January 1.

**Tangelos:** The Florida tangelo forecast remains unchanged from December at 3.10 million boxes (140,000 tons). If realized, this year's crop would be 2 percent larger than last season. Harvest is in full swing with over 40 percent of the crop already picked.

**Tangerines:** The 1993-94 tangerine crop is forecast at 311,000 tons, unchanged from December but 24 percent more than last season. The Florida tangerine forecast remains unchanged at 3.70 million boxes (176,000 tons). Virtually all of the early tangerines have been moved. Harvest of Dancy tangerines is well underway. The California tangerine forecast remains unchanged at 2.50 million boxes (94,000 tons), up 14 percent from last season. Harvest is underway with good fruit quality reported. The Arizona forecast is unchanged at 1.10 million boxes (41,000 tons), 16 percent more than last season. Over 48 percent of the Arizona crop has been harvested.

**Temples:** The Florida Temple forecast remains unchanged at 2.30 million boxes (104,000 tons), 8 percent below last season's production. Harvest is just beginning for the 1993-94 crop.

**K-Early Citrus:** The January 1 forecast for the 1993-94 K-Early Citrus crop remains unchanged from last month at 210,000 boxes (9,000 tons). Harvest is complete for this season's crop.

**Florida Citrus:** Citrus groves, trees, and fruit remaining for harvest were all in good condition during December. Rainfall through the citrus belt was generally less than average. However, the demand for moisture by the citrus trees has been minimal. The cool temperatures and the lack of regular rain have greatly slowed tree growth. Citrus trees do not go dormant. Fruit loss from droppage is generally light. Harvest of early and midseason oranges increased during December for both fresh and processing use. Caretakers were cutting cover crops, placing heaters in the groves, and banking young trees for protection from the cold.

**Texas Citrus:** Favorable weather conditions allowed harvest to progress without major delays. Harvest of early oranges and Navels was winding down by the end of December. Caretakers continued with normal activities.

**California Fruit and Nuts:** Activities during December included orchard pruning and winter weed control. Bare-root nursery stock digging, tree hole fumigation, and replanting were also conducted. The harvest of avocados and dates continued in Southern California. Picking of citrus fruit was active during December, with Navel oranges leading the way.

**Hay Stocks on Farms:** Hay stocks on farms totaled 102 million tons on December 1, 1993, 4 percent less than the amount on hand a year earlier. The decrease in stocks reflects early hay feeding in areas where pasture conditions were poor during the summer and this past fall. Disappearance of hay during the May 1, 1993, to December 1, 1993, period totaled 68.1 million tons, down 5 percent from the 71.9 million tons disappearance during the same period a year earlier.

Corrected page A-21 of the December 9, 1993, "Crop Production" report.

Field Crops: Farm Marketings, Percent of Sales by Crop  
and Month, United States, 1991-92 and 1992-93 <sup>1/</sup>

Month	Crop Marketing Year							
	1991-92		1992-93		1991-92		1992-93	
	Percent							
	Hay <sup>2/</sup>		Flaxseed <sup>2/</sup>		Peanuts			
Apr	.5	.4						
May	3.5	4.4						
Jun	10.5	11.1						
Jul	11.6	11.4	1.2	7.3				
Aug	9.4	9.7	12.1	3.3	2.5		.1	
Sep	8.9	9.4	34.0	14.8	43.1		23.8	
Oct	7.7	7.9	18.2	33.2	44.6		58.8	
Nov	8.2	7.8	4.3	9.0	7.8		13.9	
Dec	8.1	9.0	4.8	4.3	1.6		2.6	
Jan	9.1	8.4	4.9	12.4	.4		.8	
Feb	7.2	7.0	3.6	1.4				
Mar	7.2	6.9	6.3	2.1				
Apr	5.7	4.8	2.1	2.9				
May	2.4	1.8	1.3	2.9				
Jun			7.2	6.4				
Year	100.0	100.0	100.0	100.0	100.0		100.0	
	Oats <sup>2/</sup>		Wheat		Barley <sup>2/</sup>			
Jun	9.6	5.2	17.9	8.9	4.0		5.4	
Jul	26.8	15.4	15.8	16.2	6.8		6.4	
Aug	13.7	28.6	11.8	9.5	18.5		19.4	
Sep	6.6	12.1	7.7	11.0	9.6		12.5	
Oct	4.0	6.4	7.6	7.4	8.1		7.6	
Nov	3.6	3.6	6.7	7.8	9.6		7.6	
Dec	4.9	3.9	8.0	8.0	10.0		8.2	
Jan	7.6	5.2	8.7	10.8	9.7		10.5	
Feb	7.1	5.6	5.2	5.7	6.5		6.5	
Mar	6.8	6.0	4.6	6.3	8.1		7.0	
Apr	5.1	4.0	3.1	4.3	5.0		4.9	
May	4.2	4.0	2.9	4.1	4.1		4.0	
Year	100.0	100.0	100.0	100.0	100.0		100.0	

See footnotes at end of table.

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Corrected page A-22 of the December 9, 1993, "Crop Production" report.

Field Crops: Farm Marketings, Percent of Sales by Crop and Month,  
United States, 1991-92 and 1992-93 (continued) 1/

Month	Crop Marketing Year					
	1991-92		1992-93		1991-92	
	Percent					
	Sorghum 2/		Corn 2/		Cotton	
Aug					4.5	2.1
Sep	10.6	6.3	11.2	6.0	6.9	5.4
Oct	20.7	16.1	17.1	9.3	13.2	10.1
Nov	8.1	18.2	7.6	14.0	15.2	16.0
Dec	12.4	14.5	8.0	12.8	16.5	22.7
Jan	10.9	12.1	14.7	12.5	16.1	20.6
Feb	5.7	4.1	8.6	7.4	10.6	7.7
Mar	5.9	4.7	8.0	8.5	7.3	6.3
Apr	2.0	3.1	4.0	6.5	4.7	2.6
May	2.5	3.4	4.4	4.9	1.6	2.5
Jun	3.5	2.9	5.1	5.4	2.2	2.1
Jul	9.2	7.3	5.8	6.7	1.2	1.9
Aug	8.5	7.3	5.5	6.0		
Year	100.0	100.0	100.0	100.0	100.0	100.0
	Soybeans 2/		Dry Edible Beans 2/		Sunflower 2/	
Sep	11.8	7.1	19.4	18.0	5.2	9.9
Oct	21.1	27.1	14.0	19.4	25.2	17.9
Nov	8.2	9.5	7.5	9.2	11.2	19.7
Dec	7.8	7.8	8.7	8.3	10.5	12.6
Jan	13.4	12.2	8.5	8.0	10.9	7.3
Feb	7.5	5.7	7.4	5.7	6.0	7.4
Mar	7.8	6.2	6.9	5.7	5.4	7.7
Apr	3.2	5.0	6.7	5.6	4.7	5.6
May	6.4	5.9	5.1	5.6	4.0	3.3
Jun	4.5	6.0	7.3	6.2	7.9	4.6
Jul	4.1	4.8	4.1	4.1	6.1	2.4
Aug	4.2	2.7	4.4	4.2	2.9	1.6
Year	100.0	100.0	100.0	100.0	100.0	100.0

1/ Revised for 1991-92.

2/ 1992-93 marketing percents for this commodity contain corrections to the tables as they appeared in the December 9, 1993, "Crop Production" report.

Corrected page A-27 of the December 9, 1993, "Crop Production" report.

All-Wheat: Farm Marketings, Percent of Sales,  
by Month and State, 1991-92 and 1992-93 1/

State and Marketing Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	Percent													
AZ 1991-92 <u>2/</u>	8	29	51	1			1		10					
1992-93	38	44	3		14						1			
AR 1991-92 <u>2/</u>		64	16	11	4	2	1	1	1					
1992-93		64	21	4	2	4	1	2	1				1	
CA 1991-92	5	22	22	7	7	2	3	3	19	7	1		2	
1992-93	17	30	16	16	4	3	2	2	5	2	1		2	
CO 1991-92			20	16	8	10	7	9	13	5	5	3	2	2
1992-93 <u>2/</u>			10	8	10	9	11	11	15	4	7	5	8	2
GA 1991-92	19	56	20	3	1								1	
1992-93	9	37	34	4	2	1	1	2	4	2	4			
ID 1991-92			3	10	11	12	10	14	13	7	9	4	2	5
1992-93			6	14	16	10	7	9	12	6	5	6	5	4
IL 1991-92		70	15	6	2	2	1	2	1	1				
1992-93		14	52	8	7	3	2	3	7	1	2	1		
IN 1991-92		58	25	7	3	1	1	1	2	2				
1992-93		11	52	20	6	1	2	2	3	1	1	1		
KS 1991-92 <u>2/</u>		29	28	11	5	6	3	5	6	2	3	1	1	
1992-93		7	33	9	10	6	8	6	9	3	4	3	2	
MI 1991-92			48	18	8	5	4	5	6	3	1	1		1
1992-93			20	39	9	7	4	2	6	5	4	2	1	1

See footnotes at end of table.

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Corrected page A-28 of the December 9, 1993, "Crop Production" report.

All Wheat: Farm Marketings, Percent of Sales,  
by Month and State, 1991-92 and 1992-93 1/ (continued)

State and Marketing Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	Percent													
MN 1991-92 <u>2/</u>		8	17	9	7	9	12	14	9	7	3	2	3	
1992-93 <u>2/</u>		1	6	11	12	10	16	12	8	9	6	5	4	
MO 1991-92	53	23	6	3	3	1	3	3	2	2	1			
1992-93	16	49	8	7	2	3	4	6	2	2	1			
MT 1991-92 <u>2/</u>		4	7	10	10	11	9	12	10	13	6	5	3	
1992-93 <u>2/</u>		2	4	6	8	11	9	14	13	11	7	8	7	
NE 1991-92 <u>2/</u>		39	15	6	7	4	6	9	5	4	3	1	1	
1992-93 <u>2/</u>		26	11	10	6	8	6	11	3	7	6	3	3	
ND 1991-92 <u>2/</u>		7	12	11	10	10	11	11	6	6	6	4	6	
1992-93 <u>2/</u>		3	4	12	10	10	11	16	9	9	6	3	7	
OH 1991-92		60	15	5	3	3	4	6	1	1	1	1		
1992-93 <u>2/</u>		46	29	7	3	3	2	4	2	2	1		1	
OK 1991-92 <u>2/</u>	4	30	20	12	6	7	3	5	6	3	2	2		
1992-93 <u>2/</u>	1	23	16	6	10	6	11	7	9	3	5	3		
OR 1991-92 <u>2/</u>		3	22	10	15	11	12	15	5	3	2	1	1	
1992-93 <u>2/</u>		13	15	14	10	4	11	12	4	4	5	4	4	
SD 1991-92 <u>2/</u>		18	15	9	9	9	12	7	7	4	4	3	3	
1992-93 <u>2/</u>		3	16	16	9	9	7	10	7	8	6	4	5	
TX 1991-92 <u>2/</u>	27	31	23	5	2	3	2	1	3	2	1			
1992-93	5	35	28	7	6	4	2	3	5	2	2	1		
WA 1991-92 <u>2/</u>		4	15	15	13	13	12	10	7	4	2	2	3	
1992-93 <u>2/</u>		5	15	21	9	7	11	10	4	6	5	4	3	

1/ Sample survey reported marketings as percent of total used for calculating marketing year average prices.

2/ 1992-93 marketing percents for this State and Year contain corrections to the table as it appeared in the December 9, 1993, "Crop Production" report.

## Report Features

The next "Crop Production" report will be released at 3 p.m. ET on February 10, 1994.

Listed below are the commodity specialists in the Crops Branch of the National Agricultural Statistics Service to contact for additional information.

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