
Crop Production



Agricultural
Statistics
Board

National Agricultural
Statistics Service

United States
Department of
Agriculture

Washington, D.C. 20250

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HIGHLIGHTS

- ALL COTTON production in 1986 is forecast at 9.78 million bales, 27 percent below the 1985 crop and fractionally below December 1.
- CITRUS production is forecast at 12.2 million tons (11.1 million metric tons), down 1 percent from December 1 but 13 percent above last season.
- ORANGE production is forecast at 198 million boxes (7.60 million metric tons), down 1 percent from December 1 but 12 percent above last season.
- GRAPEFRUIT production, excluding California "other areas" crop, is forecast at 57.6 million boxes (2.16 million metric tons), fractionally below December 1 but 9 percent above last season.
- LEMON production, at 25.3 million boxes (872 thousand metric tons), is up fractionally from December 1 and 38 percent above last season.
- WINTER POTATO production for 1987 is forecast at 2.86 million cwt (130 thousand metric tons), down 4 percent from last year but 6 percent above 1985.
- HAY STOCKS on farms December 1, 1986 are estimated at 122 million tons (110 million metric tons). For previous crops, stocks were measured on January 1 rather than on December 1.

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* *
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UNITED STATES CROP SUMMARY
(DOMESTIC UNITS)
CITRUS FRUITS, PRODUCTION 1/

CROP	1985-86	INDICATED 1986-87	
		DEC 1, 1986	JAN 1, 1987
1,000 BOXES			
ORANGES	176,410	199,150	197,550
LEMONS	18,350	25,200	25,300

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

CROP	AREA PLANTED		AREA HARVESTED	
	1985	IND 1986	1985	IND 1986
1,000 ACRES				
ALL COTTON	10,684.6	10,063.6	10,229.0	8,492.0
UPLAND	10,600.6	9,953.1	10,145.4	8,382.3
AMER-PIMA	84.0	110.5	83.6	109.7


COTTON AND COTTONSEED - YIELD PER ACRE AND PRODUCTION

CROP AND UNIT		YIELD PER ACRE 1/		PRODUCTION 2/		
		1985	INDICATED 1986	1985	DEC 1, 1986	JAN 1, 1987
1,000						
ALL COTTON	BALE	630	553	13,432.2	9,791.9	9,784.6
UPLAND	"	628	549	13,277.1	9,602.4	9,583.1
AMER-PIMA	"	891	882	155.1	189.5	201.5
COTTONSEED	TON			5,279	3,862	3,857

1/ COTTON YIELD IN POUNDS. 2/ COTTON PRODUCTION IN 480-LB NET WEIGHT BALES.

The CROP PRODUCTION report contains State and National estimates with related information on selected agricultural commodities. These data were prepared and adopted by the Agricultural Statistics Board, which consists of commodity statisticians from the field offices and Washington headquarters.

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WINTER POTATOES

AREA PLANTED		:	AREA HARVESTED	
1986	:	IND 1987	:	IND 1987
1,000 ACRES				
12.5		12.1		11.9
YIELD PER ACRE		:	PRODUCTION	
1986	:	IND 1987	:	IND 1987
CWT		1,000 CWT		
243		240		2,860

HAY STOCKS ON FARMS, 1986 1/

JANUARY 1	:	MAY 1	:	DECEMBER 1
1,000 TONS				
96,555		26,698		121,530

1/ PER PROGRAM MODIFICATION, HAY STOCKS SURVEY REFERENCE DATE HAS BEEN CHANGED FROM JANUARY 1 TO DECEMBER 1 BEGINNING DECEMBER 1, 1986.

UNITED STATES CROP SUMMARY
(METRIC UNITS)
CITRUS FRUITS, PRODUCTION 1/

CROP	1985-86	INDICATED 1986-87	
		DEC 1, 1986	JAN 1, 1987
METRIC TONS			
ORANGES	6,814,770	7,656,640	7,602,210
LEMONS	632,310	869,080	871,800

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

CROP	AREA PLANTED		AREA HARVESTED	
	1985	IND 1986	1985	IND 1986
HECTARES				
ALL COTTON	4,323,950	4,072,640	4,139,570	3,436,620
UPLAND	4,289,960	4,027,920	4,105,740	3,392,230
AMER-PIMA	33,990	44,720	33,830	44,390

COTTON AND COTTONSEED - YIELD PER HECTARE AND PRODUCTION

CROP	YIELD PER HECTARE			PRODUCTION	
	INDICATED:			INDICATED	
	1985	1986	1985	DEC 1, 1986	JAN 1, 1987
METRIC TONS					
ALL COTTON	0.71	0.62	2,924,500	2,131,930	2,130,330
UPLAND	0.70	0.62	2,890,730	2,090,670	2,086,460
AMER-PIMA	1.00	0.99	33,770	41,260	43,870
COTTONSEED			4,789,030	3,503,550	3,499,010

WINTER POTATOES

AREA PLANTED		:	AREA HARVESTED	
1986	IND 1987	:	1986	IND 1987
HECTARES				
5,060	4,900		4,980	4,820
YIELD PER HECTARE		:	PRODUCTION	
1986	IND 1987	:	1986	IND 1987
METRIC TONS				
27.24	26.91		135,670	129,730

HAY STOCKS ON FARMS, 1986 1/

JANUARY 1	:	MAY 1	:	DECEMBER 1
METRIC TONS				
87,593,220		24,220,020		110,250,160

1/ PER PROGRAM MODIFICATION, HAY STOCKS SURVEY REFERENCE DATE HAS BEEN CHANGED FROM JANUARY 1 TO DECEMBER 1 BEGINNING DECEMBER 1, 1986.

COTTON

CROP AND STATE	AREA PLANTED			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
UPLAND						
ALA	309.0	330.0	315.0	307.0	329.0	313.0
ARIZ	430.0	360.0	250.0	429.0	359.0	249.0
ARK	470.0	465.0	490.0	465.0	440.0	480.0
CALIF	1,410.0	1,330.0	1,020.0	1,400.0	1,320.0	1,010.0
FLA	17.5	24.5	19.5	17.0	22.5	19.0
GA	175.0	255.0	225.0	172.0	245.0	200.0
KANS	.8	.8	1.2	.5	.6	1.0
LA	650.0	640.0	580.0	645.0	630.0	570.0
MISS	1,045.0	1,050.0	1,020.0	1,032.0	1,040.0	1,000.0
MO	164.0	152.0	178.0	162.0	150.0	160.0
N MEX	77.0	70.0	63.0	69.0	54.0	50.0
N C	97.0	88.0	82.0	96.0	87.0	81.0
OKLA	425.0	370.0	400.0	375.0	360.0	350.0
S C	104.0	124.0	118.0	104.0	122.0	113.0
TENN	340.0	340.0	340.0	325.0	335.0	335.0
TEX	5,350.0	5,000.0	4,850.0	4,700.0	4,650.0	3,450.0
VA	1.0	1.3	1.4	1.0	1.3	1.3
U S	11,065.3	10,600.6	9,953.1	10,299.5	10,145.4	8,382.3
AMER-PIMA						
ARIZ	50.5	56.5	73.0	50.3	56.3	72.5
N MEX	10.0	8.0	11.1	10.0	7.9	11.0
TEX	19.6	19.5	26.4	19.3	19.4	26.2
U S	80.1	84.0	110.5	79.6	83.6	109.7
ALL						
ALA	309.0	330.0	315.0	307.0	329.0	313.0
ARIZ	480.5	416.5	323.0	479.3	415.3	321.5
ARK	470.0	465.0	490.0	465.0	440.0	480.0
CALIF	1,410.0	1,330.0	1,020.0	1,400.0	1,320.0	1,010.0
FLA	17.5	24.5	19.5	17.0	22.5	19.0
GA	175.0	255.0	225.0	172.0	245.0	200.0
KANS	.8	.8	1.2	.5	.6	1.0
LA	650.0	640.0	580.0	645.0	630.0	570.0
MISS	1,045.0	1,050.0	1,020.0	1,032.0	1,040.0	1,000.0
MO	164.0	152.0	178.0	162.0	150.0	160.0
N MEX	87.0	78.0	74.1	79.0	61.9	61.0
N C	97.0	88.0	82.0	96.0	87.0	81.0
OKLA	425.0	370.0	400.0	375.0	360.0	350.0
S C	104.0	124.0	118.0	104.0	122.0	113.0
TENN	340.0	340.0	340.0	325.0	335.0	335.0
TEX	5,369.6	5,019.5	4,876.4	4,719.3	4,669.4	3,476.2
VA	1.0	1.3	1.4	1.0	1.3	1.3
U S	11,145.4	10,684.6	10,063.6	10,379.1	10,229.0	8,492.0

COTTON

CROP AND STATE	YIELD			PRODUCTION 1/		
	1984	1985	1986	1984	1985	1986
	POUNDS			1,000 BALES 2/		
UPLAND :						
ALA :	699	795	506	447.0	545.0	330.0
ARIZ :	1,227	1,241	1,311	1,097.0	928.0	680.0
ARK :	632	767	605	612.0	703.0	605.0
CALIF :	999	1,132	1,069	2,913.0	3,114.0	2,250.0
FLA :	847	693	846	30.0	32.5	33.5
GA :	784	725	480	281.0	370.0	200.0
KANS :	288	320	480	.3	.4	1.0
LA :	786	565	573	1,056.0	742.0	680.0
MISS :	767	764	576	1,650.0	1,655.0	1,200.0
MO :	554	653	591	187.0	204.0	197.0
N MEX :	605	631	653	87.0	71.0	68.0
N C :	600	646	652	120.0	117.0	110.0
OKLA :	234	380	329	183.0	285.0	240.0
S C :	785	708	370	170.0	180.0	87.0
TENN :	498	600	573	337.0	419.0	400.0
TEX :	376	404	348	3,680.0	3,910.0	2,500.0
VA :	528	443	591	1.1	1.2	1.6
U S :	599	628	549	12,851.4	13,277.1	9,583.1
AMER-PIMA :						
ARIZ :	841	927	960	88.1	108.7	145.0
N MEX :	595	687	633	12.4	11.3	14.5
TEX :	744	868	769	29.9	35.1	42.0
U S :	786	891	882	130.4	155.1	201.5
ALL :						
ALA :	699	795	506	447.0	545.0	330.0
ARIZ :	1,187	1,198	1,232	1,185.1	1,036.7	825.0
ARK :	632	767	605	612.0	703.0	605.0
CALIF :	999	1,132	1,069	2,913.0	3,114.0	2,250.0
FLA :	847	693	846	30.0	32.5	33.5
GA :	784	725	480	281.0	370.0	200.0
KANS :	288	320	480	.3	.4	1.0
LA :	786	565	573	1,056.0	742.0	680.0
MISS :	767	764	576	1,650.0	1,655.0	1,200.0
MO :	554	653	591	187.0	204.0	197.0
N MEX :	604	638	649	99.4	82.3	82.5
N C :	600	646	652	120.0	117.0	110.0
OKLA :	234	380	329	183.0	285.0	240.0
S C :	785	708	370	170.0	180.0	87.0
TENN :	498	600	573	337.0	419.0	400.0
TEX :	377	406	351	3,709.9	3,945.1	2,542.0
VA :	528	443	591	1.1	1.2	1.6
U S :	600	630	553	12,981.8	13,432.2	9,784.6

1/ PRODUCTION GINNED AND TO BE GINNED.
2/ 480-LB. NET WEIGHT BALES.

COTTONSEED

STATE	PRODUCTION		
	1984	1985	IND 1986
	1,000 TONS		
ALA	158.0	189.0	117.3
ARIZ	464.5	389.0	319.0
ARK	217.0	264.0	222.4
CALIF	1,211.0	1,300.0	923.4
FLA	10.7	11.7	12.3
GA	101.0	128.0	71.4
KANS	.1	.2	.4
LA	382.0	264.0	245.8
MISS	620.0	616.0	448.6
MO	72.0	80.0	77.1
N MEX	40.0	31.3	32.6
N C	40.0	44.0	39.6
OKLA	75.0	106.0	94.4
S C	61.0	61.0	34.1
TENN	133.0	160.0	156.6
TEX	1,563.0	1,634.5	1,061.3
VA	.6	.5	.6
U S	5,148.9	5,279.2	3,856.9

POTATOES

SEASONAL GROUP AND STATE	AREA				YIELD		PRODUCTION		
	PLANTED		HARVESTED						
	1986	IND 1987	1986	IND 1987	1986	IND 1987	1985	1986	IND 1987
	1,000 ACRES				CWT		1,000 CWT		
WINTER									
CALIF	5.1	4.8	5.1	4.8	290	300	1,404	1,479	1,440
FLA	7.4	7.3	7.2	7.1	210	200	1,287	1,512	1,420
TOTAL	12.5	12.1	12.3	11.9	243	240	2,691	2,991	2,860
SPRING 1/									
ALA	4.9		4.7		145		848	682	
ARIZ	6.1		5.9		220		1,450	1,298	
CALIF	19.5		19.5		390		10,588	7,605	
FLA									
HASTINGS	25.0		24.5		280		6,370	6,860	
OTHER	1.0		.9		190		273	171	
LA	.6		.5		70		42	35	
N C	13.9		13.7		150		2,310	2,055	
TEX	6.4		6.2		180		1,105	1,116	
TOTAL	77.4		75.9		261		22,986	19,822	

1/ 1986 REVISED.

PAPAYAS - HAWAII

MONTH	AREA				FRESH PRODUCTION		
	TOTAL IN CROP		HARVESTED				
	1985	1986	1985	1986	1985	1986	FORECAST 1986-87
	ACRES				1,000 POUNDS		
NOV	3,615	4,025	2,385	2,450	3,383	4,085	
DEC	3,690	3,930	2,395	2,410	3,358	4,630	
JAN		3,810		2,435		3,760	5,700
FEB		3,890		2,480		3,830	4,700
MAR		3,985		2,530		4,100	4,000
APR		3,910		2,450		4,155	4,700
CUMULATIVE FRESH PRODUCTION JAN-DEC					49,250	49,595	

HAY STOCKS ON FARMS 1/

STATE	JAN 1		DEC 1	MAY 1	
	1985	1986	1986	1985	1986
	1,000 TONS				
ALA	925	1,078	1,008	150	262
ARIZ	111	177	290	66	55
ARK	1,013	1,401	1,537	171	382
CALIF	1,414	1,598	2,330	314	400
COLO	1,953	2,186	2,659	563	765
CONN	136	120	142	32	37
DEL	28	40	35	17	10
FLA	341	337	460	49	75
GA	871	780	631	198	186
IDAHO	3,036	2,162	3,304	522	245
ILL	3,026	2,728	2,748	737	814
IND	1,617	1,764	1,722	469	497
IOWA	5,338	4,850	6,800	1,727	1,284
KANS	3,834	4,940	5,879	1,121	1,469
KY	2,376	3,403	3,050	402	943
LA	473	400	562	106	156
MAINE	287	278	300	78	84
MD	399	452	356	133	146
MASS	198	172	195	48	44
MICH	2,854	3,195	3,331	634	742
MINN	5,908	4,802	6,773	1,435	1,280
MISS	840	910	1,067	110	286
MO	4,817	5,341	5,546	1,268	1,433
MONT	3,100	2,125	4,450	567	331
NEBR	5,156	4,931	6,242	1,770	1,419
NEV	808	846	963	135	130
N H	133	129	135	30	31
N J	181	193	178	35	47
N MEX	432	603	594	119	230
N Y	3,005	3,267	3,802	966	1,001
N C	469	498	401	125	121
N DAK	3,887	2,675	5,208	983	641
OHIO	2,429	2,944	2,929	569	920
OKLA	2,383	3,305	4,553	605	1,629
OREG	2,023	1,495	2,100	218	179
PA	3,456	3,552	3,741	966	1,113
R I	15	14	15	4	4
S C	360	349	279	53	69
S DAK	8,245	5,168	8,677	3,557	1,546
TENN	1,901	2,115	1,925	482	537
TEX	3,357	5,641	6,714	1,191	2,698
UTAH	1,231	1,146	1,559	238	271
VT	610	665	628	169	152
VA	1,471	1,397	1,303	418	312
WASH	1,490	1,246	1,868	158	182
W VA	790	800	761	192	172
WIS	10,216	7,228	9,482	2,426	1,112
WYO	1,646	1,109	2,298	527	256
U S	100,589	96,555	121,530	26,853	26,698

1/ PER PROGRAM MODIFICATION, HAY STOCKS SURVEY REFERENCE DATE HAS BEEN CHANGED FROM JAN 1 TO DEC 1 BEGINNING DEC 1, 1986.

CITRUS FRUIT 1/

CROP AND STATE	PRODUCTION BOXES			PRODUCTION TON EQUIVALENT		
	UTILIZED	INDICATED	UTILIZED	INDICATED	UTILIZED	INDICATED
	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87
	1,000 UNITS 2/			1,000 UNITS		
ORANGES, EARLY MID & NAVEL 3/:						
ARIZ	650	600	700	25	23	26
CALIF	26,200	33,300	36,500	982	1,249	1,369
FLA	55,000	64,200	72,000	2,475	2,889	3,240
TEX 4/:	0	200	500	0	9	21
U S	81,850	98,300	109,700	3,482	4,170	4,656
ORANGES, VALENCIA						
ARIZ	1,800	1,700	1,500	68	64	56
CALIF	26,200	21,500	29,000	983	807	1,088
FLA	48,900	54,800	57,000	2,201	2,466	2,565
TEX 4/:	0	110	350	0	5	15
U S	76,900	78,110	87,850	3,252	3,342	3,724
ALL ORANGES						
ARIZ	2,450	2,300	2,200	93	87	82
CALIF	52,400	54,800	65,500	1,965	2,056	2,457
FLA	103,900	119,000	129,000	4,676	5,355	5,805
TEX 4/:	0	310	850	0	14	36
U S	158,750	176,410	197,550	6,734	7,512	8,380
TEMPLES						
FLA	3,250	2,950	3,600	146	133	162
GRAPEFRUIT, WHITE SEEDLESS						
FLA	24,800	25,600	27,000	1,054	1,088	1,148
GRAPEFRUIT, COLORED: SEEDLESS						
FLA	16,300	18,000	19,500	693	765	829
OTHER GRAPEFRUIT						
FLA	2,900	3,150	3,500	123	134	149
ALL GRAPEFRUIT						
ARIZ	3,000	2,400	1,900	96	77	61
CALIF 5/:						
DESERT	3,800	3,600	3,600	121	115	115
OTHER AREAS	5,000	4,800		168	161	
TOTAL	8,800	8,400		289	276	
FLA	44,000	46,750	50,000	1,870	1,987	2,126
TEX 4/:	0	220	2,100	0	9	84
U S	55,800	57,770		2,255	2,349	
TANGERINES						
ARIZ	700	700	750	26	26	28
CALIF	1,680	1,800	1,900	63	68	71
FLA	1,050	1,150	1,500	50	55	71
U S	3,430	3,650	4,150	139	149	170
LEMONS						
ARIZ	6,000	3,250	6,300	228	123	239
CALIF	19,800	15,100	19,000	752	574	722
U S	25,800	18,350	25,300	980	697	961
TANGELOS						
FLA	3,600	2,950	4,000	162	133	180

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-CALIF & ARIZ-75, FLA-90, TEX-85; GRAPEFRUIT-CALIF DESERT & ARIZ-64, CALIF OTHER-67, FLA-85, TEX-80; LEMONS-76; TANGELOS & TEMPLES-90; TANGERINES- CALIF & ARIZ-75, FLA-95.

3/ NAVEL AND MISCELLANEOUS VARIETIES IN CALIFORNIA AND ARIZONA. EARLY AND MIDSEASON VARIETIES IN FLORIDA AND TEXAS, INCLUDING SMALL QUANTITIES OF TANGERINES IN TEXAS.

4/ DUE TO THE SEVERE FREEZE OF DECEMBER 1983 NO COMMERCIAL SUPPLIES WERE HARVESTED FOR THE 1984-85 TEXAS CITRUS CROPS.

5/ THE FIRST FORECAST FOR CALIF GRAPEFRUIT "OTHER AREAS" WILL BE AS OF APR 1.

DECEMBER HARVESTING PROGRESS

Rain prolonged cotton and soybean harvest in the Corn Belt, central and southern Great Plains, Delta, and Southeast during most of December. Wetness caused deterioration of cotton and soybeans in the southern Great Plains and Southeast. Cotton harvest remained behind normal in Alabama, Georgia, New Mexico, Oklahoma, South Carolina, and Texas during the month. Farmers were able to virtually complete harvest in Georgia, and South Carolina before the month ended. As December drew to a close however, nearly two-thirds of Oklahoma's acreage was unharvested. This was two times slower than normal at 35 percent completion on December 28. After the first week of December, wetness kept cotton pickers idle until soils dried enough for harvest to resume around mid-month. Some bottom-land acreage was lost because of flooding. In Texas, harvest reached 65 percent completion near the end of December, compared with 89 percent normally. The first week of December harvest gained 20 points from the previous week but never increased more than 5 points in any week the rest of the month. Harvest virtually stood still the last week of December, ending the month 65 percent finished. Some producers plowed under insured acreage while other's contemplated taking the same action. Soybean harvest crawled along during the month. Near mid-month, however, producers accomplished sizable gains in a few southeastern States. As the month ended, soybeans were still left to be harvested in the Southeast and in Missouri. Corn harvest was limited to mostly scattered fields in the Corn Belt and Rocky Mountain States during December.

DECEMBER WEATHER SUMMARY

A series of Pacific storms moved into the Southwest, redeveloped, and then spread rain across the South and up the east coast. Snow fell in much of the Southwest and western Texas and a few thunderstorms developed across the South. Heavy rain along the east coast combined with unusually high tides and caused local flooding and beach erosion. Heavy rain fell in the previously dry mid-Atlantic States. Snow was heavy from the Great Lakes region to the northern Appalachians. Pacific storms also affected the Northwest but monthly totals of precipitation were considerably less than normal. However, precipitation amounts increased in this area late in the month. Snow covered the Cascades, the northern Sierras and the Rockies but was less than the normal amount. Although temperatures cooled seasonally during the month they were generally warmer than normal, especially in the northern Great Plains and the Northeast. (Prepared by NOAA/USDA Joint Agricultural Weather Facility.)

WINTER WHEAT

Rain hampered winter wheat seeding in the Southeast and southern Great Plains during most of December. Fields were still being seeded in Oklahoma at the end of the month. Dryness slowed seeding and germination in California. Warm temperatures during most of the month depleted most of snow cover from winter wheat across the northern half of the Nation. Protection from extreme cold was minimal and concerned producers. Damage has been minimal thus far. The warm temperatures benefited wheat but disease and insects were more prevalent than normal. Cold, wet weather restricted growth in the southern Great Plains during most of the month. In Kansas, wheat was dormant with adequate moisture. Montana's wheat was fair to good with light wind damage. Fall seeded grains developed well in Oregon.

COTTON: All cotton production in 1986 is forecast at 9.78 million bales, 27 percent below the 1985 crop and fractionally below December 1. The Upland production forecast is 9.58 million bales and American-Pima production is expected to total 202 thousand bales. Planted area of all cotton totaled 10.1 million acres (4.07 million hectares), down 6 percent from 1985. Total all cotton area for harvest is estimated at 8.49 million acres (3.44 million hectares), down 17 percent from last year and 3 percent below the December 1 forecast. Yields are expected to average 553 pounds per harvested acre, down 77 pounds from 1985.

In Texas and Oklahoma, Upland production is forecast at 2.74 million bales, down 35 percent from last year and 4 percent below the December 1 forecast. Harvest progress in Texas and Oklahoma was interrupted by rain and wet fields during most of December. However, some drying occurred by month's end and harvest began to resume on a wide scale. Cotton remaining in fields continues to suffer loss of quality and weight.

Production in the Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) is expected to total 3.09 million bales, 17 percent below last year but up 1 percent from the December 1 forecast. By the end of December, harvest was 100 percent complete in the region.

Upland cotton production in the Western States (Arizona, California, and New Mexico) is expected to total 3.00 million bales, down 27 percent from last year but up 2 percent from December 1. By the end of the month, harvest was complete in California and near completion in Arizona, but lagged behind last year in New Mexico with 85 percent harvested.

Production in the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina), is expected to total 727 thousand bales, down 40 percent from 1985, but up 2 percent from December 1. Harvest continued to lag behind normal in Georgia and South Carolina, while Alabama harvest was complete and North Carolina harvest was near completion.

Bureau of the Census reported 8,589,998 running bales ginned prior to January 1 compared with 12,365,030 to the same date last year and 11,078,678 bales in 1984.

COTTONSEED: Production of cottonseed for 1986, based on a three year average lint-seed ratio, is forecast at 3.86 million tons (3.50 million metric tons), 27 percent below the 1985 production of 5.28 million tons (4.79 million metric tons).

ORANGES: U.S. all orange production is forecast at 198 million boxes (7.60 million metric tons), down 1 percent from December 1 but 12 percent higher than last season. All oranges in Florida are forecast at 129 million boxes, unchanged from December 1 but 8 percent more than last season's crop. Early and mid-season varieties in Florida, at 72.0 million boxes, is the same as December 1 but 12 percent higher than last season. Harvest of early's and mid's is 32 percent complete. Florida's Valencia forecast, at 57.0 million boxes, is unchanged from December 1 but 4 percent more than last season.

The California all orange crop is forecast at 65.5 million boxes, down 2 percent from December 1 but 20 percent above last season. The Navel crop, at 36.5 million boxes, is down 4 percent from December 1 but is 10 percent higher than the crop harvested in 1985-86. The Navel harvest in California is about 25 percent complete. The forecast for the Valencia crop, at 29.0 million boxes, is unchanged from December 1 but 35 percent above last season.

Arizona's all orange forecast, at 2.20 million boxes, is down 4 percent from both December 1 and last season. The Texas all orange crop is forecast at 850 thousand boxes compared with 310 thousand boxes harvested last season.

Changes in U.S. production between the January 1 forecast and final production have averaged 17.0 million boxes over the past ten seasons, ranging from 680 thousand boxes in 1982-83 to 43.2 million boxes in 1981-82. A freeze in Florida during January 1982 was the major cause for the 43.2 million box difference between the January 1, 1982 forecast and final production for 1981-82.

FLORIDA FROZEN CONCENTRATED JUICE YIELD: The 1986-87 yield projection of Frozen Concentrated Orange Juice is 1.46 gallons per box at 42.0 degree Brix, compared with the December 1, 1986 projection of 1.44 gallons per box. This all orange yield computation is projected to the final amount reported by the Florida Citrus Processors Association at the end of the harvest season. The 1985-86 final season average yield was 1.37834 gallons per box. In 1984-85, the FCOJ final yield was 1.37582 gallons per box.

GRAPEFRUIT: The January 1 forecast, excluding California's "other areas" grapefruit, is 57.6 million boxes (2.16 million metric tons), fractionally below December 1 but 9 percent above last season. Production for the California "other areas" crop, which will be forecast as of April 1, 1987, accounted for 4.80 million boxes last season. The California "Desert Valley" crop forecast is 3.60 million boxes, the same as the 1985-86 crop. Florida all grapefruit forecast at 50.0 million boxes -- unchanged from the December 1 forecast but up 7 percent from last season. Harvest in Florida is 26 percent complete. Arizona's forecast is 1.90 million boxes, down 21 percent from last season and down 10 percent from December 1. In Texas, the forecast is 2.10 million boxes, unchanged from December 1 and compares with the 1985-86 season estimate of 220 thousand boxes.

LEMONS: Production in Arizona and California is expected to total 25.3 million boxes (872 thousand metric tons), up fractionally from December 1 and 38 percent above last season's utilized production. California's forecast continues at 19.0 million boxes, 26 percent above the 1985-86 season. The Arizona forecast is 6.30 million boxes, 94 percent more than last season's small utilized crop.

TANGELOS: The Florida crop, excluding K-early citrus fruit, at 4.00 million boxes (163 thousand metric tons), is unchanged from December 1 but 36 percent above the 1985-86 crop. Harvest is 58 percent complete.

TANGERINES: The U.S. production forecast is 4.15 million boxes (154 thousand metric tons), down 2 percent from the December 1 forecast but 14 percent above last season. Harvest remains active in Florida, Arizona and California. The Florida forecast is 1.50 million boxes, unchanged from December 1, but 30 percent above 1985-86. The California crop forecast remains at 1.90 million boxes, up 6 percent last season. The Arizona crop forecast fell 12 percent from the December 1 forecast to 750 thousand boxes, but remains 7 percent above 1985-86.

TEMPLES: The Florida forecast is 3.60 million boxes (147 thousand metric tons), unchanged from December 1 but 22 percent more than last season. Harvest is not yet underway.

FLORIDA CITRUS: Florida's citrus groves had a much warmer and drier than normal December. On many days during December, temperatures were in the 80's with generally dry conditions. Irrigation was used throughout most of December in the high sand hills. Natural color on most of the early fruit has been good. Many of the young tree groves had new growth sprouting due to the unusually warm weather. Harvest of oranges for processing increased during the month as most juice plants had opened for the season to receive grove run fruit. Movement of grapefruit to both fresh and processed markets was active during December. Shipping of tangerines and tangelos for the Christmas markets was very good with strong demand. Caretakers completed banking young trees and placing heaters where used. Most groves are now clean cultivated for the winter season.

PAPAYAS: Hawaii fresh papaya production is forecast at 5.70 million pounds (2590 metric tons) in January. Decreases are anticipated over the next 2 months and production is forecast at 4.70 million pounds (2130 metric tons) in February and 4.00 million pounds (1810 metric tons) in March. April's output is expected to rebound to 4.70 million pounds (2130 metric tons).

December's fresh utilization is estimated at 4.63 million pounds (2100 metric tons), 13 percent more than November and 38 percent above December 1985. Cumulative fresh sales (January-December) remained relatively unchanged from 1985. Crop area in December totaled 3930 acres (1590 hectares), down 2 percent from November but 7 percent above December a year ago. Harvested area totaled 2410 acres (980 hectares), down 2 percent from November but 1 percent more than December 1985.

HAY STOCKS ON FARMS: Hay stocks on farms December 1, 1986 totaled 122 million tons (110 million metric tons). For previous crops, stocks were measured on January 1 rather than on December 1. All hay production in 1986 was 4 percent larger than in 1985 and milder than usual weather in some areas reduced demands for hay.

POTATOES: Winter potato production for 1987 is forecast at 2.86 million cwt (130 thousand metric tons), down 4 percent from last year but 6 percent above 1985. The winter crop covers 11.9 thousand acres (4820 hectares) for harvest this year, down 3 percent from 1986 and 10 percent from 1985. The average yield, at 240 cwt per acre, is slightly below last year but 36 cwt above 1985.

California area for harvest totals 4800 acres, 6 percent below last year. Production is forecast at 1.44 million cwt, down 3 percent.

In Florida, planting was complete in late December. Area for harvest is forecast at 7100 acres, down 1 percent from last year. A production forecast of 1.42 million cwt would be 6 percent below 1986. Yield prospects look good in nearly all areas; early harvest expected to start in late January.

SPRING potato farmers produced 19.8 million cwt (899 thousand metric tons) of potatoes in 1986. This production is down 14 percent from 1985 and is 17 percent below 1984. Harvested area covered 75.9 thousand acres (30.7 thousand hectares), down 13 percent from 1985. The average yield is 261 cwt per acre, 1 percent below 1985 and 5 percent under the 1984 yield.

