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# Crop Production



Agricultural  
Statistics  
Board

National Agricultural  
Statistics Service

United States  
Department of  
Agriculture

Washington, D.C. 20250

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## HIGHLIGHTS

WINTER WHEAT production is forecast as of May 1 at 1.55 billion bushels (42.2 million metric tons), 2 percent above the 1986 crop. Acres harvested from grain is estimated at 38.9 million acres (15.7 million hectares), down 10 percent from last year.

CITRUS production is forecast at 12.1 million tons (10.9 million metric tons), 10 percent higher than last season.

ORANGE production is forecast at 190 million boxes (7.30 million metric tons), 8 percent higher than last season. As of May 1, 66 percent of the crop was harvested.

GRAPEFRUIT production is forecast at 61.7 million boxes (2.28 million metric tons), is 7 percent above last season. As of May 1, 86 percent of the crop was harvested.

LEMON production, at 26.5 million boxes (914 thousand metric tons), is 44 percent above last season. As of May 1, 90 percent of the crop was harvested.

SPRING POTATOES are forecast at 19.0 million cwt (863 thousand metric tons), down 4 percent from last year and 17 percent below 1985.

ALMOND production is forecast at 560 million pounds (254 thousand metric tons), shelled basis, 124 percent above last year.

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\* The next issue of this report will be published June 9, 1987 \*

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## RELIABILITY OF MAY 1 WINTER WHEAT PRODUCTION FORECAST

The winter wheat production forecast in this report is based on mail and objective yield surveys conducted just prior to May 1. The mail surveys provided information on abandonment to date and condition of the crop which was used to estimate acres for harvest. Yield estimates are based on counts and measurements in a probability sample of wheat fields and on the condition of the crop as reported by farmers. Both surveys are subject to sampling and non-sampling errors common to all surveys. This production forecast is also subject to change due to growing conditions that may affect the crop after May 1.

To assist users in evaluating the reliability of the May 1 winter wheat production forecast, the "Root Mean Square Error", a statistical measure based on past performance, is computed. This is done by expressing the deviation between the May 1 production forecast and the final estimate as a percentage of the final estimate, and averaging the squared percentage deviations for the 1967-1986 twenty-year period; the square root of the average becomes statistically the "Root Mean Square Error". Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years.

The "Root Mean Square Error" for the May 1 winter wheat production forecast is 6.8 percent. This means that chances are 2 out of 3 that the current production forecast of 1.55 billion bushels will not be above or below the final estimate by more than 6.8 percent or approximately 105 million bushels. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 11.7 percent or approximately 181 million bushels. Differences between the May 1 winter wheat production forecast and the final estimate during the past 10 years have averaged 96.2 million bushels, ranging from 10 million to 210 million bushels. The May 1 forecast has been below the final estimate 7 times and above 3 times. This does not imply that the May 1 winter wheat forecast this year is likely to understate or overstate final production.

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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UNITED STATES CROP SUMMARY - AREA PLANTED AND HARVESTED  
(DOMESTIC UNITS)

CROP	AREA PLANTED		AREA HARVESTED	
	1986	INDICATED 1987	1986	INDICATED 1987
	1,000 ACRES			
WINTER WHEAT	53,930	48,195	43,170	38,870
SPRING POTATOES	77.4	81.8	75.9	79.1

UNITED STATES CROP SUMMARY - YIELD PER ACRE AND PRODUCTION  
(DOMESTIC UNITS)

CROP AND UNIT	YIELD PER ACRE		PRODUCTION		
	1986	INDICATED 1987	1986	INDICATED APR 1, 1987	INDICATED MAY 1, 1987
	1,000				
WINTER WHEAT BU	35.2	39.9	1,519,143		1,549,344
SPRING POTATOES CWT	261	240	19,822	19,267	19,022
ALMONDS (CALIF) LB			250,000		560,000
HAY STOCKS ON FARMS TON			26,698	1/121,530	32,359
PASTURE AND RANGE FEED 2/ PCT	76	81			
CITRUS FRUITS 3/			1985-86	1986-87	1986-87
ORANGES BOX			176,410	190,050	189,925
GRAPEFRUIT "			57,770	61,750	61,725
LEMONS "			18,350	25,500	26,500

1/ DECEMBER 1, 1986. 2/ PASTURE AND RANGE FEED CONDITION AS OF FIRST OF MONTH. THE 1976-85 AVERAGE IS 79 PERCENT. 3/ SEASON BEGINS WITH BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH THE COMPLETION OF HARVEST THE FOLLOWING YEAR.

UNITED STATES CROP SUMMARY - AREA PLANTED AND HARVESTED  
(METRIC UNITS)

CROP	AREA PLANTED		AREA HARVESTED	
	1986	INDICATED 1987	1986	INDICATED 1987
	HECTARES			
WINTER WHEAT	21,824,930	19,504,030	17,470,470	15,730,300
SPRING POTATOES	31,320	33,100	30,720	32,010

UNITED STATES CROP SUMMARY - YIELD PER HECTARE AND PRODUCTION  
(METRIC UNITS)

CROP	YIELD PER HECTARE:			PRODUCTION	
	1986	INDICATED 1987	1986	APR 1, 1987	MAY 1, 1987
	METRIC TONS				
WINTER WHEAT	2.37	2.68	41,344,300		42,166,230
SPRING POTATOES	29.27	26.95	899,110	873,930	862,820
ALMONDS (CALIF)			113,400		254,010
HAY STOCKS ON FARMS			24,220,020	1/110,250,160	29,355,590
CITRUS FRUITS 2/			1985-86	1986-87	1986-87
ORANGES			6,814,770	7,307,370	7,301,930
GRAPEFRUIT			2,130,980	2,286,110	2,283,380
LEMONS			632,310	879,060	913,540

1/ DECEMBER 1, 1986. 2/ SEASON BEGINS WITH BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH THE COMPLETION OF HARVEST THE FOLLOWING YEAR.

WINTER WHEAT

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1986	IND 1987	1986	IND 1987	1985	1986	IND 1987
	1,000 ACRES		BUSHEL		1,000 BUSHEL		
ALA	220	160	26.0	30.0	12,800	5,720	4,800
ARIZ	48	39	94.0	98.0	5,940	4,512	3,822
ARK	780	775	41.0	36.0	18,240	31,980	27,900
CALIF	600	455	75.0	77.0	61,500	45,000	35,035
COLO	2,900	2,700	32.0	40.0	134,550	92,800	108,000
DEL	34	46	45.0	46.0	2,064	1,530	2,116
FLA	100	65	31.0	34.0	4,290	3,100	2,210
GA	550	440	28.0	32.0	25,575	15,400	14,080
IDAHO	850	730	61.0	56.0	46,110	51,850	40,880
ILL	820	1,000	44.0	50.0	36,750	36,080	50,000
IND	700	670	43.0	52.0	37,100	30,100	34,840
IOWA	60	40	28.0	38.0	5,376	1,680	1,520
KANS	10,200	9,500	33.0	43.0	433,200	336,600	408,500
KY	270	310	33.0	34.0	10,540	8,910	10,540
LA	210	190	35.0	35.0	7,140	7,350	6,650
MD	145	147	47.0	48.0	6,517	6,815	7,056
MICH	680	400	45.0	50.0	45,000	30,600	20,000
MINN	130	90	33.0	35.0	10,360	4,290	3,150
MISS	200	275	31.0	35.0	9,300	6,200	9,625
MO	570	730	33.0	41.0	49,920	18,810	29,930
MONT	2,000	1,850	32.0	32.0	22,400	64,000	59,200
NEBR	2,000	1,950	38.0	41.0	89,700	76,000	79,950
NEV	9	7	90.0	85.0	720	810	595
N J	30	20	43.0	48.0	1,924	1,290	960
N MEX	460	400	22.0	30.0	20,520	10,120	12,000
N Y	155	85	49.0	52.0	8,410	7,595	4,420
N C	460	440	31.0	41.0	22,040	14,260	18,040
N DAK	480	176	29.0	35.0	15,750	13,920	6,160
OHIO	1,050	800	46.0	50.0	58,900	48,300	40,000
OKLA	5,200	4,800	29.0	27.0	165,000	150,800	129,600
OREG	930	760	58.0	63.0	51,840	53,940	47,880
PA	220	180	44.0	45.0	10,080	9,680	8,100
S C	300	275	25.0	36.0	12,470	7,500	9,900
S DAK	1,800	1,600	32.0	35.0	44,080	57,600	56,000
TENN	325	400	33.0	38.0	8,000	10,725	15,200
TEX	4,800	3,800	25.0	28.0	187,200	120,000	106,400
UTAH	225	160	36.0	35.0	7,040	8,100	5,600
VA	170	235	41.0	48.0	10,545	6,970	11,280
WASH	2,100	1,825	49.0	57.0	115,200	102,900	104,025
W VA	9	10	44.0	45.0	344	395	450
WIS	130	85	57.0	58.0	8,120	7,410	4,930
WYO	250	250	30.0	32.0	5,060	7,500	8,000
U S	43,170	38,870	35.2	39.9	1,827,615	1,519,143	1,549,344

WHEAT PRODUCTION BY CLASSES, UNITED STATES 1/

YEAR	WINTER			SPRING			TOTAL
	HARD RED	SOFT RED	WHITE	HARD RED	DURUM	WHITE	
	1,000 BUSHEL						
1985	1,230,075	368,417	229,123	460,205	112,510	24,775	2,425,105
1986	1,017,831	290,095	211,217	451,417	95,407	20,813	2,086,780
1987 2/	1,046,509	316,545	186,290				

1/ WHEAT CLASS ESTIMATES ARE BASED ON VARIETY ACREAGE SURVEY DATA COLLECTED AT 5-YEAR INTERVALS FOR ALL WHEAT PRODUCING STATES. THE 5-YEAR VARIETAL SURVEY DATA ARE ADJUSTED AS OTHER VARIETY SURVEY INFORMATION BECOMES AVAILABLE. 2/ INDICATED MAY 1, 1987.

HAY STOCKS ON FARMS

STATE	JAN 1		DEC 1 1/	MAY 1		
	1985	1986	1986	1985	1986	1987
	1,000 TONS					
ALA	925	1,078	1,008	150	262	168
ARIZ	111	177	290	66	55	25
ARK	1,013	1,401	1,537	171	382	486
CALIF	1,414	1,598	2,330	314	400	345
COLO	1,953	2,186	2,659	563	765	728
CONN	136	120	142	32	37	36
DEL	28	40	35	17	10	6
FLA	341	337	460	49	75	101
GA	871	780	631	198	186	135
IDAHO	3,036	2,162	3,304	522	245	1,086
ILL	3,026	2,728	2,748	737	814	733
IND	1,617	1,764	1,722	469	497	358
IOWA	5,338	4,850	6,800	1,727	1,284	2,080
KANS	3,834	4,940	5,879	1,121	1,469	1,150
KY	2,376	3,403	3,050	402	943	574
LA	473	400	562	106	156	102
MAINE	287	278	300	78	84	108
MD	399	452	356	133	146	76
MASS	198	172	195	48	44	59
MICH	2,854	3,195	3,331	634	742	861
MINN	5,908	4,802	6,773	1,435	1,280	1,548
MISS	840	910	1,067	110	286	232
MO	4,817	5,341	5,546	1,268	1,433	1,266
MONT	3,100	2,125	4,450	567	331	1,296
NEBR	5,156	4,931	6,242	1,770	1,419	1,887
NEV	808	846	963	135	130	206
N H	133	129	135	30	31	42
N J	181	193	178	35	47	18
N MEX	432	603	594	119	230	92
N Y	3,005	3,267	3,802	966	1,001	1,003
N C	469	498	401	125	121	69
N DAK	3,887	2,675	5,208	983	641	1,465
OHIO	2,429	2,944	2,929	569	920	560
OKLA	2,383	3,305	4,553	605	1,629	1,417
OREG	2,023	1,495	2,100	218	179	689
PA	3,456	3,552	3,741	966	1,113	769
R I	15	14	15	4	4	7
S C	360	349	279	53	69	46
S DAK	8,245	5,168	8,677	3,557	1,546	4,105
TENN	1,901	2,115	1,925	482	537	251
TEX	3,357	5,641	6,714	1,191	2,698	2,313
UTAH	1,231	1,146	1,559	238	271	470
VT	610	665	628	169	152	206
VA	1,471	1,397	1,303	418	312	190
WASH	1,490	1,246	1,868	158	182	517
W VA	790	800	761	192	172	128
WIS	10,216	7,228	9,482	2,426	1,112	1,616
WYO	1,646	1,109	2,298	527	256	734
U S	100,589	96,555	121,530	26,853	26,698	32,359

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

PASTURE AND RANGE FEED CONDITION 1/

STATE	AVERAGE	1986	1987	STATE	AVERAGE	1986	1987
	1976-85				1976-85		
	PERCENT				PERCENT		
ALA	79	53	61	NEV	84	89	58
ARIZ	81	84	89	N H	92	90	99
ARK	85	88	73	N J	82	83	93
CALIF	81	96	69	N MEX	72	63	97
COLO	74	77	86	N Y	85	86	91
CONN	91	90	91	N C	83	63	89
DEL	82	82	90	N DAK	66	78	86
FLA	74	53	77	OHIO	86	85	92
GA	78	41	66	OKLA	78	81	80
IDAHO	84	96	71	OREG	87	89	77
ILL	85	79	85	PA	84	83	89
IND	86	85	89	R I	94	90	97
IOWA	80	84	90	S C	76	51	81
KANS	82	79	90	S DAK	73	80	84
KY	86	71	88	TENN	85	72	83
LA	80	76	70	TEX	68	50	75
MAINE	92	90	91	UTAH	80	98	76
MD	81	82	87	VT	93	90	95
MASS	91	90	93	VA	82	77	91
MICH	88	89	88	WASH	84	86	81
MINN	80	83	81	W VA	78	71	83
MISS	82	75	74	WIS	82	78	72
MO	81	79	83	WYO	81	90	89
MONT	76	80	85	U S	79	76	81
NEBR	80	85	91				

1/ GOOD TO EXCELLENT, 80 AND OVER; POOR TO FAIR 65-79; VERY POOR, 50-64; SEVERE DROUGHT, 35-49; EXTREME DROUGHT, UNDER 35.

SPRING POTATOES

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1986	IND 1987	1986	IND 1987	1985	1986	IND 1987
	1,000 ACRES		CWT		1,000 CWT		
ALA	4.7	4.9	145	120	848	682	588
ARIZ	5.9	4.9	220	250	1,450	1,298	1,225
CALIF	19.5	21.3	390	375	10,588	7,605	7,988
FLA							
HASTINGS	24.5	25.0	280	220	6,370	6,860	5,500
OTHER	.9	2.1	190	230	273	171	483
LA	1/ .5	.4	70	65	42	35	26
N C	13.7	13.7	150	155	2,310	2,055	2,124
TEX	6.2	6.8	180	160	1,105	1,116	1,088
U S	75.9	79.1	261	240	22,986	19,822	19,022

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

CITRUS FRUIT 1/

CROP	PRODUCTION BOXES			PRODUCTION TON EQUIVALENT		
	UTILIZED	INDICATED		UTILIZED	INDICATED	
AND STATE	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87
	1,000 UNITS 2/			1,000 UNITS		
ORANGES, EARLY MID & NAVEL						
ARIZ	650	600	950	25	23	36
CALIF	26,200	33,300	36,500	982	1,249	1,369
FLA	55,000	64,200	65,800	2,475	2,889	2,961
TEX	0	200	500	0	9	21
U S	81,850	98,300	103,750	3,482	4,170	4,387
ORANGES, VALENCIA						
ARIZ	1,800	1,700	1,800	68	64	68
CALIF	26,200	21,500	27,000	983	807	1,013
FLA	48,900	54,800	57,000	2,201	2,466	2,565
TEX	0	110	375	0	5	16
U S	76,900	78,110	86,175	3,252	3,342	3,662
ALL ORANGES						
ARIZ	2,450	2,300	2,750	93	87	104
CALIF	52,400	54,800	63,500	1,965	2,056	2,382
FLA	103,900	119,000	122,800	4,676	5,355	5,526
TEX	0	310	875	0	14	37
U S	158,750	176,410	189,925	6,734	7,512	8,049
TEMPLES						
FLA	3,250	2,950	3,400	146	133	153
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	2,900	123	134	123
ALL GRAPEFRUIT						
ARIZ	3,000	2,400	1,900	96	77	61
CALIF						
DESERT	3,800	3,600	3,600	121	115	115
OTHER AREAS	5,000	4,800	4,900	168	161	164
TOTAL	8,800	8,400	8,500	289	276	279
FLA	44,000	46,750	49,400	1,870	1,987	2,100
TEX	0	220	1,925	0	9	77
U S	55,800	57,770	61,725	2,255	2,349	2,517
TANGERINES						
ARIZ	700	700	700	26	26	26
CALIF	1,680	1,800	1,900	63	68	71
FLA	1,050	1,150	1,300	50	55	62
U S	3,430	3,650	3,900	139	149	159
LEMONS						
ARIZ	6,000	3,250	7,000	228	123	266
CALIF	19,800	15,100	19,500	752	574	741
U S	25,800	18,350	26,500	980	697	1,007
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/ NAVAL AND MISCELLANEOUS VARIETIES IN CALIFORNIA AND ARIZONA. EARLY AND MIDSEASON VARIETIES IN FLORIDA AND TEXAS, INCLUDING SMALL QUANTITIES OF TANGERINES IN TEXAS. 4/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST. 5/ DUE TO THE SEVERE FREEZE OF DECEMBER 1983, NO COMMERCIAL SUPPLIES WERE HARVESTED FOR THE 1984-85 TEXAS CITRUS CROPS.



HOP AREA STRUNG, BY STATE AND VARIETY 1/

STATE AND VARIETY	AREA HARVESTED		STRUNG FOR HARVEST
	1985	1986	1987
	ACRES		
CALIFORNIA 2/			
IDAHO			
CASCADE			190
CHINOOK			160
CLUSTER			220
EROICA			470
GALENA			570
NUGGET			40
OTHER VARIETIES			2,950
TOTAL	3,100	2,500	4,600
OREGON			
FUGGLES			920
NUGGET			1,450
PERLE			210
WILLAMETTE			2,620
OTHER VARIETIES			700
TOTAL	5,500	5,100	5,900
WASHINGTON			
CASCADE			1,800
CHINOOK			800
CLUSTER			11,700
ENGLISH			210
EROICA			770
FUGGLES			80
GALENA			4,700
NUGGET			1,500
OLYMPIC			250
PERLE			210
TETTANG			700
WILLAMETTE			370
OTHER VARIETIES			210
TOTAL	19,500	17,400	23,300
U S	28,100	25,000	33,800

1/ ESTIMATES OF AREA STRUNG FOR HARVEST BY VARIETY BEGINS WITH THE 1987 CROP.  
 2/ COMBINED WITH WASHINGTON TO AVOID DISCLOSURE OF INDIVIDUAL OPERATIONS.

PAPAYAS - HAWAII 1/

MONTH	AREA				FRESH PRODUCTION		
	TOTAL IN CROP		HARVESTED		1986	1987	FORECAST
	1986	1987	1986	1987			1987
	ACRES				1,000 POUNDS		
MAR	3,985	3,965	2,405	2,495	4,215	3,470	
APR	3,910	3,995	2,390	2,460	4,295	4,115	
MAY	3,890		2,380		4,910		4,100
JUN	4,000		2,365		3,700		4,500
JUL	4,025		2,310		4,140		4,300
AUG	3,975		2,250		3,425		4,600
CUMULATIVE FRESH PRODUCTION JAN-APR					16,405	15,585	

1/ 1986 REVISED.

SWEET CHERRIES

STATE	PRODUCTION		
	TOTAL		INDICATED
	1985	1986	1987
	TONS		
CALIF	23,500	8,400	36,000

ALMONDS (SHELLED BASIS)

STATE	PRODUCTION		
	TOTAL		IND
	1985	1986	1987
	1,000 POUNDS		
CALIF	465,000	250,000	560,000

HAWAII

ITEM	AREA HARVESTED		YIELD		TOTAL PRODUCTION	
	1985	1986	1985	1986	1985	1986
	ACRES		POUNDS		1,000 POUNDS	
BANANAS	840	980	9,700	9,900	8,160	9,700
PAPAYAS 1/ 2/	2,650	2,400	35,800	34,600	95,000	83,000
TARO 3/	400	390	17,200	16,200	6,860	6,330

1/ YIELD IS BASED ON TOTAL PRODUCTION WHICH INCLUDES UNUTILIZED QUANTITIES.

2/ UNHARVESTED PRODUCTION AND HARVESTED NOT SOLD OF 34,600 THOUSAND POUNDS IS INCLUDED IN 1985 PRODUCTION AND 22,000 THOUSAND POUNDS IN THE 1986 PRODUCTION.

3/ AREA HARVESTED IS AVERAGE DURING THE YEAR.

TOBACCO BY STATES

STATE	AREA HARVESTED		YIELD		PRODUCTION	
	1985	1986	1985	1986	1985	1986
	ACRES		POUNDS		1,000 POUNDS	
CONN	2,000	1,990	1,658	1,539	3,315	3,062
FLA	6,100	5,300	2,675	2,510	16,318	13,303
GA	36,000	31,000	2,280	2,190	82,080	67,890
IND	6,500	5,900	2,240	2,050	14,560	12,095
KY	186,300	153,300	2,300	2,054	428,409	314,940
MD	20,000	18,000	1,330	1,350	26,600	24,300
MASS	490	470	1,594	1,323	781	622
MO	2,500	2,100	2,180	2,090	5,450	4,389
N C	250,700	214,600	2,220	2,073	556,522	444,790
OHIO	7,920	7,420	2,140	1,829	16,946	13,574
PA	11,500	11,000	1,904	1,985	21,900	21,830
S C	43,000	37,000	2,300	2,040	98,900	75,480
TENN	61,710	49,180	2,065	1,682	127,403	82,707
VA	43,300	38,430	2,104	1,913	91,092	73,524
W VA	1,800	1,600	1,880	1,650	3,384	2,640
WIS	8,200	6,600	2,192	1,633	17,978	10,781
U S	688,020	583,890	2,197	1,997	1,511,638	1,165,927
	MARKETING YEAR AVERAGE PRICE :			VALUE OF		
	PER POUND RECEIVED BY FARMERS :			PRODUCTION		
	1985	1986	1985	1986	1985	1986
	CENTS		1,000 DOLLARS			
CONN	675.9	664.2	22,405	20,337		
FLA	170.9	162.2	27,887	21,577		
GA	171.1	158.1	140,439	107,334		
IND	157.6	155.4	22,947	18,796		
KY	158.2	155.0	677,735	488,123		
MD	132.3	1/	35,192	32,149		
MASS	904.2	847.7	7,062	5,273		
MO	158.0	154.8	8,611	6,794		
N C	170.9	153.3	951,214	681,880		
OHIO	151.9	153.9	25,733	20,886		
PA	83.7	67.2	18,321	14,673		
S C	172.7	144.2	170,800	108,842		
TENN	157.1	152.4	200,189	126,060		
VA	169.3	150.7	154,206	110,809		
W VA	155.5	154.4	5,262	4,076		
WIS	103.0	95.6	18,517	10,302		
U S	164.5	152.5	2,486,520	1,777,911		

1/ EVALUATED AT 132.3 CENTS PER POUND.

TOBACCO BY CLASS AND TYPE

CLASS AND TYPE	AREA HARVESTED		YIELD		PRODUCTION	
	1985	1986	1985	1986	1985	1986
	ACRES	ACRES	POUNDS	POUNDS	1,000 POUNDS	1,000 POUNDS
CLASS 1, FLUE-CURED						
TYPE 11, OLD AND MIDDLE BELTS						
N C	91,000	78,000	2,135	1,980	194,285	154,440
VA	30,000	28,000	2,170	2,055	65,100	57,540
U S	121,000	106,000	2,144	2,000	259,385	211,980
TYPE 12, EASTERN N C BELT						
N C	119,000	102,000	2,305	2,165	274,295	220,830
TYPE 13, N C BORDER & S C BELT						
N C	32,000	27,000	2,165	2,040	69,280	55,080
S C	43,000	37,000	2,300	2,040	98,900	75,480
U S	75,000	64,000	2,242	2,040	168,180	130,560
TYPE 14, GA-FLA BELT						
FLA	6,100	5,300	2,675	2,510	16,318	13,303
GA	36,000	31,000	2,280	2,190	82,080	67,890
U S	42,100	36,300	2,337	2,237	98,398	81,193
TOTAL 11-14	357,100	308,300	2,241	2,091	800,258	644,563
CLASS 2, FIRE-CURED						
TYPE 21, VA BELT						
VA	3,600	2,900	1,245	1,220	4,482	3,538
TYPE 22, EASTERN DISTRICT						
KY	5,200	4,400	2,045	1,985	10,634	8,734
TENN	10,800	8,800	2,210	2,025	23,868	17,820
U S	16,000	13,200	2,156	2,012	34,502	26,554
TYPE 23, WESTERN DISTRICT						
KY	4,700	4,300	2,050	2,240	9,635	9,632
TENN	810	680	2,180	2,275	1,766	1,547
U S	5,510	4,980	2,069	2,245	11,401	11,179
TOTAL 21-23	25,110	21,080	2,007	1,958	50,385	41,271
CLASS 3, AIR-CURED						
CLASS 3A, LIGHT AIR-CURED						
TYPE 31, BURLEY						
IND	6,500	5,900	2,240	2,050	14,560	12,095
KY	170,000	140,000	2,325	2,050	395,250	287,000
MO	2,500	2,100	2,180	2,090	5,450	4,389
N C	8,700	7,600	2,145	1,900	18,662	14,440
OHIO	7,100	7,100	2,150	1,840	15,265	13,064
TENN	49,000	39,000	2,030	1,590	99,470	62,010
VA	9,500	7,400	2,240	1,660	21,280	12,284
W VA	1,800	1,600	1,880	1,650	3,384	2,640
U S	255,100	210,700	2,247	1,936	573,321	407,922
TYPE 32, SOUTHERN MD BELT 1/						
MD	20,000	18,000	1,330	1,350	26,600	24,300
PA	3,500	3,400	1,800	1,950	6,300	6,630
U S	23,500	21,400	1,400	1,445	32,900	30,930
TOTAL 31-32	278,600	232,100	2,176	1,891	606,221	438,852

SEE FOOTNOTES ON PAGE A-15.

CONTINUED

TOBACCO BY CLASS AND TYPE - CONTINUED

CLASS AND TYPE	AREA HARVESTED		YIELD		PRODUCTION	
	1985	1986	1985	1986	1985	1986
	ACRES		POUNDS		1,000 POUNDS	
CLASS 3, AIR-CURED						
CLASS 3B, DARK AIR-CURED						
TYPE 35, ONE SUCKER BELT						
KY	4,100	2,900	2,050	2,000	8,405	5,800
TENN	1,100	700	2,090	1,900	2,299	1,330
U S	5,200	3,600	2,058	1,981	10,704	7,130
TYPE 36, GREEN RIVER BELT						
KY	2,300	1,700	1,950	2,220	4,485	3,774
TYPE 37, VA SUN-CURED BELT						
VA	200	130	1,150	1,245	230	162
TOTAL 35-37	7,700	5,430	2,002	2,038	15,419	11,066
CLASS 4, CIGAR FILLER						
TYPE 41, PA SEEDLEAF PA	8,000	7,600	1,950	2,000	15,600	15,200
TYPE 42-44 OHIO-MIAMI VALLEY TYPES						
OHIO 3/	820	320	2,050	1,595	1,681	510
TOTAL 41-44 3/	8,820	7,920	1,959	1,984	17,281	15,710
CLASS 5, CIGAR BINDER						
CLASS 5A, CONN VALLEY BINDER						
TYPE 51, CONN VALLEY BROADLEAF CONN	1,000	1,000	1,800	1,750	1,800	1,750
TYPE 52, CONN VALLEY HAVANA SEED						
MASS	130	130	1,960	1,925	255	250
TOTAL 51-52	1,130	1,130	1,819	1,770	2,055	2,000
CLASS 5B, WIS BINDER						
TYPE 54, SOUTHERN WIS WIS	3,900	3,100	2,465	1,530	9,614	4,743
TYPE 55, NORTHERN WIS WIS	4,300	3,500	1,945	1,725	8,364	6,038
TOTAL 54-55	8,200	6,600	2,192	1,633	17,978	10,781
TOTAL 51-55	9,330	7,730	2,147	1,653	20,033	12,781
CLASS 6, CIGAR WRAPPER						
TYPE 61, CONN VALLEY SHADE-GROWN						
CONN	1,000	990	1,515	1,325	1,515	1,312
MASS	360	340	1,460	1,095	526	372
U S	1,360	1,330	1,501	1,266	2,041	1,684
ALL CIGAR TYPES						
TOTAL 41-61	19,510	16,980	2,017	1,777	39,355	30,175
ALL TOBACCO	688,020	583,890	2,197	1,997	1,511,638	1,165,927

SEE FOOTNOTES ON PAGE A-15.

CONTINUED

TOBACCO BY CLASS AND TYPE - CONTINUED

CLASS AND TYPE	:MARKETING YEAR AVERAGE PRICE : :PER POUND RECEIVED BY FARMERS:		VALUE OF PRODUCTION	
	: 1985	: 1986	: 1985	: 1986
	CENTS		1,000 DOLLARS	
CLASS 1, FLUE-CURED				
TYPE 11, OLD AND MIDDLE BELTS				
N C	172.7	149.0	335,530	230,116
VA	176.5	151.3	114,902	87,058
U S	173.7	149.6	450,432	317,174
TYPE 12, EASTERN N C BELT				
N C	170.4	156.3	467,399	345,157
TYPE 13, N C BORDER & S C BELT				
N C	171.8	152.6	119,023	84,052
S C	172.7	144.2	170,800	108,842
U S	172.3	147.7	289,823	192,894
TYPE 14, GA-FLA BELT				
FLA	170.9	162.2	27,887	21,577
GA	171.1	158.1	140,439	107,334
U S	171.1	158.8	168,326	128,911
TOTAL 11-14	171.9	152.7	1,375,980	984,136
CLASS 2, FIRE-CURED				
TYPE 21, VA BELT				
VA	124.0	127.8	5,558	4,522
TYPE 22, EASTERN DISTRICT				
KY	146.0	144.6	15,526	12,629
TENN	152.2	143.6	36,327	25,590
U S	150.3	143.9	51,853	38,219
TYPE 23, WESTERN DISTRICT				
KY	146.0	145.9	14,067	14,053
TENN	145.0	145.9	2,561	2,257
U S	145.8	145.9	16,628	16,310
TOTAL 21-23	146.9	143.1	74,039	59,051
CLASS 3, AIR-CURED				
CLASS 3A, LIGHT AIR-CURED				
TYPE 31, BURLEY				
IND	157.6	155.4	22,947	18,796
KY	159.9	156.8	632,005	450,016
MO	158.0	154.8	8,611	6,794
N C	156.8	156.2	29,262	22,555
OHIO	159.0	156.4	24,271	20,432
TENN	159.1	155.7	158,257	96,550
VA	157.5	154.9	33,516	19,028
W VA	155.5	154.4	5,262	4,076
U S	159.4	156.5	914,131	638,247
TYPE 32, SOUTHERN MD BELT				
MD	132.3	2/	35,192	32,149
PA	115.0	70.0	7,245	4,641
U S	129.0	118.9	42,437	36,790
TOTAL 31-32	157.8	153.8	956,568	675,037

SEE FOOTNOTES ON PAGE A-15.

CONTINUED

TOBACCO BY CLASS AND TYPE - CONTINUED

CLASS AND TYPE	:MARKETING YEAR AVERAGE PRICE : :PER POUND RECEIVED BY FARMERS:		VALUE OF PRODUCTION	
	: 1985	: 1986	: 1985	: 1986
	CENTS		1,000 DOLLARS	
CLASS 3, AIR-CURED				
CLASS 3B, DARK				
AIR-CURED				
TYPE 35, ONE SUCKER				
BELT				
KY	128.5	121.9	10,800	7,070
TENN	132.4	125.0	3,044	1,663
U S	129.3	122.5	13,844	8,733
TYPE 36, GREEN RIVER				
BELT				
KY	119.0	115.4	5,337	4,355
TYPE 37, VA SUN-CURED				
BELT				
VA	100.0	124.2	230	201
TOTAL 35-37	125.9	120.1	19,411	13,289
CLASS 4, CIGAR FILLER				
TYPE 41, PA SEEDLEAF				
PA	71.0	66.0	11,076	10,032
TYPE 42-44 OHIO MIAMI				
VALLEY TYPES				
OHIO 3/	87.0	89.0	1,462	454
TOTAL 41-44 3/	72.6	66.7	12,538	10,486
CLASS 5, CIGAR BINDER				
CLASS 5A, CONN VALLEY				
BINDER				
TYPE 51, CONN VALLEY				
BROADLEAF				
CONN	180.0	180.0	3,240	3,150
TYPE 52, CONN VALLEY				
HAVANA SEED				
MASS	160.0	160.0	408	400
TOTAL 51-52	177.5	177.5	3,648	3,550
CLASS 5B, WIS BINDER				
TYPE 54, SOUTHERN WIS				
WIS	103.0	95.0	9,902	4,506
TYPE 55, NORTHERN WIS				
WIS	103.0	96.0	8,615	5,796
TOTAL 54-55	103.0	95.6	18,517	10,302
TOTAL 51-55	170.6	108.4	22,165	13,852
CLASS 6, CIGAR WRAPPER				
TYPE 61, CONN VALLEY				
SHADE-GROWN				
CONN	1,265.0	1,310.0	19,165	17,187
MASS	1,265.0	1,310.0	6,654	4,873
U S	1,265.0	1,310.0	25,819	22,060
ALL CIGAR TYPES				
TOTAL 41-61	153.8	153.8	60,522	46,398
ALL TOBACCO	164.5	152.5	2,486,520	1,777,911

1/ ESTIMATES CARRIED FORWARD FROM CROP PRODUCTION ANNUAL SUMMARY, RELEASED JANUARY 15, 1987. 2/ EVALUATED AT 132.3 CENTS PER POUND. 3/ INCLUDES BINDER TYPES GROWN IN OHIO.

COTTON: ACREAGE AND YIELD

CROP AND STATE	AREA PLANTED		AREA HARVESTED		YIELD	
	1985	1986	1985	1986	1985	1986
	1,000 ACRES				POUNDS	
UPLAND						
ALA	330.0	315.0	329.0	313.0	795	506
ARIZ	360.0	250.0	359.0	249.0	1,241	1,301
ARK	465.0	490.0	440.0	480.0	767	602
CALIF	1,330.0	1,000.0	1,320.0	990.0	1,132	1,088
FLA	24.5	19.5	22.5	19.0	693	707
GA	255.0	225.0	245.0	195.0	725	455
KANS	.8	1.2	.6	1.0	320	336
LA	640.0	580.0	630.0	570.0	565	567
MISS	1,050.0	1,020.0	1,040.0	1,000.0	764	571
MO	152.0	178.0	150.0	160.0	653	588
N MEX	70.0	63.0	54.0	50.0	631	595
N C	88.0	82.0	87.0	81.0	646	646
OKLA	370.0	400.0	360.0	350.0	380	288
S C	124.0	118.0	122.0	113.0	708	370
TENN	340.0	340.0	335.0	335.0	600	567
TEX	5,000.0	4,850.0	4,650.0	3,450.0	404	353
VA	1.3	1.4	1.3	1.3	443	554
U S	10,600.6	9,933.1	10,145.4	8,357.3	628	547
AMER-PIMA						
ARIZ	56.5	74.0	56.3	73.8	927	965
N MEX	8.0	11.1	7.9	11.1	687	718
TEX	19.5	26.4	19.4	26.2	868	751
U S	84.0	111.5	83.6	111.1	891	890
ALL						
ALA	330.0	315.0	329.0	313.0	795	506
ARIZ	416.5	324.0	415.3	322.8	1,198	1,224
ARK	465.0	490.0	440.0	480.0	767	602
CALIF	1,330.0	1,000.0	1,320.0	990.0	1,132	1,088
FLA	24.5	19.5	22.5	19.0	693	707
GA	255.0	225.0	245.0	195.0	725	455
KANS	.8	1.2	.6	1.0	320	336
LA	640.0	580.0	630.0	570.0	565	567
MISS	1,050.0	1,020.0	1,040.0	1,000.0	764	571
MO	152.0	178.0	150.0	160.0	653	588
N MEX	78.0	74.1	61.9	61.1	638	617
N C	88.0	82.0	87.0	81.0	646	646
OKLA	370.0	400.0	360.0	350.0	380	288
S C	124.0	118.0	122.0	113.0	708	370
TENN	340.0	340.0	335.0	335.0	600	567
TEX	5,019.5	4,876.4	4,669.4	3,476.2	406	356
VA	1.3	1.4	1.3	1.3	443	554
U S	10,684.6	10,044.6	10,229.0	8,468.4	630	552



COTTON: PRODUCTION AND BALES GINNED

CROP AND STATE	PRODUCTION IN 480-LB NET WEIGHT BALES 1/		BALES GINNED AS REPORTED BY CENSUS 2/ (480-LB NET WEIGHT)	
	1985	1986	1985	1986
	1,000 BALES		BALES	
UPLAND				
ALA	545.0	330.0	542,969	327,804
ARIZ	928.0	675.0	888,255	647,357
ARK	703.0	602.0	701,601	599,273
CALIF	3,114.0	2,245.0	3,153,680	2,272,276
FLA	32.5	28.0	3/ 23,250	3/ 21,759
GA	370.0	185.0	377,465	190,431
KANS	.4	.7	3/	3/
LA	742.0	673.0	746,394	677,017
MISS	1,655.0	1,190.0	1,654,749	1,185,812
MO	204.0	196.0	203,498	195,501
N MEX	71.0	62.0	64,615	56,073
N C	117.0	109.0	119,535	111,204
OKLA	285.0	210.0	280,408	199,715
S C	180.0	87.0	177,291	85,002
TENN	419.0	396.0	415,480	396,576
TEX	3,910.0	2,535.0	3,913,212	2,531,966
VA	1.2	1.5	3/	3/
U S	13,277.1	9,525.2	13,262,402	9,497,766
AMER-PIMA				
ARIZ	108.7	148.3	108,823	148,403
N MEX	11.3	16.6	5,532	8,297
TEX	35.1	41.0	40,815	49,126
U S	155.1	205.9	155,170	205,826
ALL				
ALA	545.0	330.0	542,969	327,804
ARIZ	1,036.7	823.3	997,078	795,760
ARK	703.0	602.0	701,601	599,273
CALIF	3,114.0	2,245.0	3,153,680	2,272,276
FLA	32.5	28.0	3/ 23,250	3/ 21,759
GA	370.0	185.0	377,465	190,431
KANS	.4	.7	3/	3/
LA	742.0	673.0	746,394	677,017
MISS	1,655.0	1,190.0	1,654,749	1,185,812
MO	204.0	196.0	203,498	195,501
N MEX	82.3	78.6	70,147	64,370
N C	117.0	109.0	119,535	111,204
OKLA	285.0	210.0	280,408	199,715
S C	180.0	87.0	177,291	85,002
TENN	419.0	396.0	415,480	396,576
TEX	3,945.1	2,576.0	3,954,027	2,581,092
VA	1.2	1.5	3/	3/
U S	13,432.2	9,731.1	13,417,572	9,703,592

1/ PRODUCTION GINNED AND TO BE GINNED.

2/ EQUIVALENT 480-LB NET WEIGHT BALES GINNED, NOT ADJUSTED FOR CROSS-STATE MOVEMENT.

3/ FLA, KANS, AND VA COMBINED.

COTTON: MARKETING YEAR AVERAGE PRICE RECEIVED BY FARMERS,  
AND VALUE OF PRODUCTION

CROP AND STATE	PRICE PER POUND 1/		VALUE OF PRODUCTION	
	1985 2/	1986 3/	1985 2/	1986 3/
	CENTS		1,000 DOLLARS	
UPLAND				
ALA	55.6	48.8	145,450	77,299
ARIZ	57.4	57.2	255,683	185,328
ARK	56.6	46.9	190,991	135,522
CALIF	61.4	62.8	917,758	676,733
FLA	52.0	50.0	8,112	6,720
GA	54.8	52.1	97,325	46,265
KANS	46.9	42.1	90	142
LA	55.7	46.6	198,381	150,537
MISS	56.6	47.1	449,630	269,035
MO	56.8	51.5	55,619	48,451
N MEX	56.6	59.5	19,289	17,707
N C	55.1	52.1	30,944	27,259
OKLA	49.3	42.1	67,442	42,437
S C	57.3	49.0	49,507	20,462
TENN	54.5	48.8	109,610	92,759
TEX	52.3	45.7	981,566	556,078
VA	55.0	52.1	317	375
U S	56.1	51.5	3,577,714	2,353,109
AMER-PIMA				
ARIZ	87.3	89.2	45,550	63,496
N MEX	98.3	90.2	5,332	7,187
TEX	99.8	85.0	16,814	16,728
U S	90.9	88.4	67,696	87,411
ALL				
ALA	55.6	48.8	145,450	77,299
ARIZ	60.5	63.0	301,233	248,824
ARK	56.6	46.9	190,991	135,522
CALIF	61.4	62.8	917,758	676,733
FLA	52.0	50.0	8,112	6,720
GA	54.8	52.1	97,325	46,265
KANS	46.9	42.1	90	142
LA	55.7	46.6	198,381	150,537
MISS	56.6	47.1	449,630	269,035
MO	56.8	51.5	55,619	48,451
N MEX	62.3	66.0	24,621	24,894
N C	55.1	52.1	30,944	27,259
OKLA	49.3	42.1	67,442	42,437
S C	57.3	49.0	49,507	20,462
TENN	54.5	48.8	109,610	92,759
TEX	52.7	46.3	998,380	572,806
VA	55.0	52.1	317	375
U S	56.5	52.2	3,645,410	2,440,520

1/ SEASON AVERAGE PRICE FOR 1985; MARKETING YEAR AVERAGE PRICE FOR 1986.

2/ INCLUDES ALLOWANCE FOR UNREDEEMED LOANS. 3/ AVERAGE TO APR 1, 1987 WITH NO ALLOWANCE FOR UNREDEEMED LOANS.

COTTONSEED: PRODUCTION AND FARM DISPOSITION 1/

STATE	PRODUCTION		FARM DISPOSITION				USED FOR PLANTING	
			SALES TO OIL MILLS		OTHER 2/		3/	
	1985	1986	1985	1986	1985	1986	1986	1987
	1,000 TONS							
ALA	189.0	122.0	125.0	78.0	64.0	44.0	3.6	3.9
ARIZ	389.0	309.0	268.0	253.0	121.0	56.0	2.9	3.2
ARK	264.0	228.0	216.0	221.0	48.0	7.0	4.7	5.8
CALIF	1,300.0	875.0	847.0	522.0	453.0	353.0	11.5	12.5
FLA	11.7	9.8	9.3	9.5	2.4	.3	4/ .2	4/ .3
GA	128.0	64.0	80.0	30.0	48.0	34.0	2.8	3.5
KANS	.2	.3	.1	.2	.1	.1	4/	4/
LA	264.0	257.0	188.0	215.0	76.0	42.0	5.2	5.2
MISS	616.0	458.0	481.0	426.0	135.0	32.0	10.2	11.0
MO	80.0	81.0	63.0	76.0	17.0	5.0	1.9	2.1
N MEX	31.3	30.5	20.0	21.7	11.3	8.8	1.2	1.3
N C	44.0	40.0	17.0	18.0	27.0	22.0	.7	.8
OKLA	106.0	85.0	81.0	79.0	25.0	6.0	5.0	5.2
S C	61.0	31.0	34.0	28.0	27.0	3.0	.8	.8
TENN	160.0	157.0	130.0	153.0	30.0	4.0	3.6	3.8
TEX	1,634.5	1,052.8	1,196.0	860.7	438.5	192.1	75.6	72.4
VA	.5	.5	.3	.4	.2	.1	4/	4/
U S	5,279.2	3,800.9	3,755.7	2,991.5	1,523.5	809.4	129.9	131.8

COTTONSEED: MARKETING YEAR AVERAGE PRICE RECEIVED BY FARMERS, VALUE OF PRODUCTION, AND VALUE OF SALES TO OIL MILLS 1/

STATE	PRICE PER TON 5/		VALUE OF PRODUCTION		VALUE OF SALES TO OIL MILLS	
	1985	1986	1985	1986	1985	1986
	DOLLARS		1,000 DOLLARS		1,000 DOLLARS	
ALA	56.00	62.00	10,584	7,564	7,000	4,836
ARIZ	79.00	77.50	30,731	23,948	21,172	19,608
ARK	56.00	58.50	14,784	13,338	12,096	12,929
CALIF	86.00	102.00	111,800	89,250	72,842	53,244
FLA	35.00	67.00	410	657	325	637
GA	57.00	90.00	7,296	5,760	4,560	2,700
KANS	59.50	93.50	12	28	6	19
LA	49.00	64.00	12,936	16,448	9,212	13,760
MISS	51.50	58.50	31,724	26,793	24,772	24,921
MO	52.00	63.00	4,160	5,103	3,276	4,788
N MEX	61.00	95.00	1,909	2,898	1,220	2,062
N C	45.00	81.00	1,980	3,240	765	1,458
OKLA	59.50	93.50	6,307	7,948	4,820	7,387
S C	50.00	90.00	3,050	2,790	1,700	2,520
TENN	53.00	66.50	8,480	10,441	6,890	10,175
TEX	62.50	78.00	102,156	82,118	74,750	67,135
VA	45.00	81.00	23	41	14	32
U S	66.00	78.50	348,342	298,365	245,420	228,211

1/ 1986 CROP PRELIMINARY. 2/ INCLUDES PLANTING SEED, EXPORTS, INTER-FARM SALES, SHRINKAGE, LOSSES AND OTHER USES. 3/ INCLUDED IN "OTHER" FARM DISPOSITION. PLANTING SEED FROM PREVIOUS YEARS' CROP. 4/ KS, FL, VA COMBINED. 5/ SEASON AVERAGE PRICE FOR 1985; MARKETING YEAR AVERAGE PRICE FOR 1986.

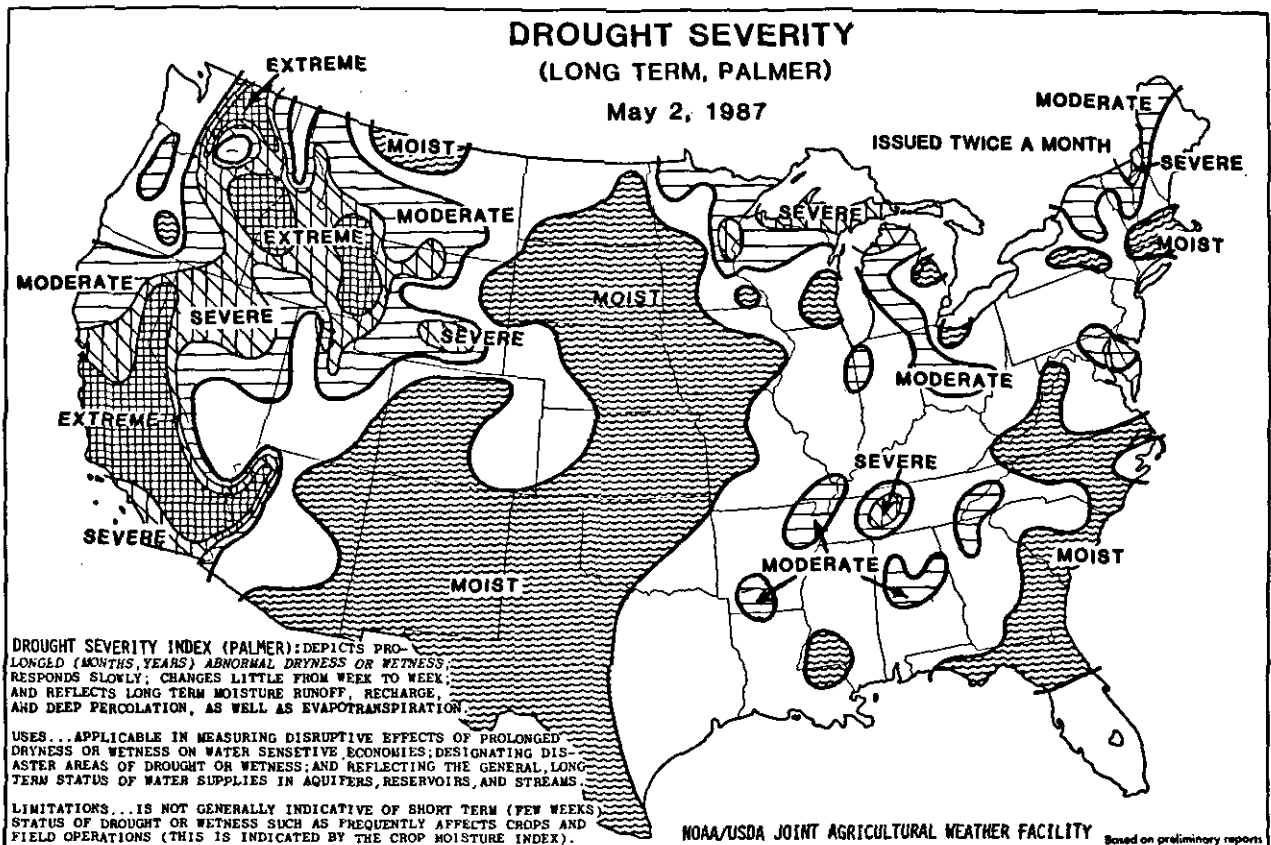
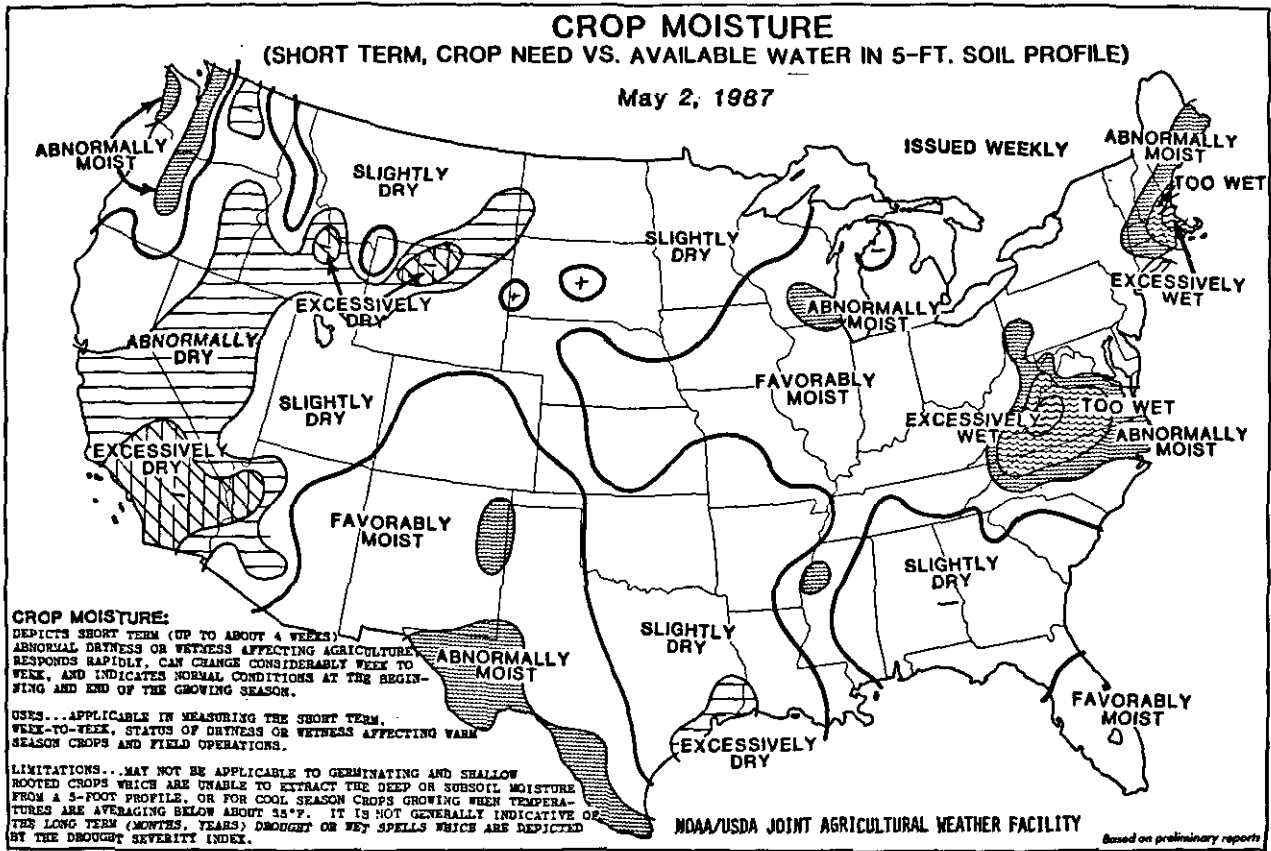
FARM MARKETINGS OF COTTON, BY STATES, 1985 CROP YEAR, PERCENT BY MONTHS

STATE	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
ALA	.4	1.6	16.7	17.5	22.9	21.1	5.6	4.7	5.3	4.0	.2	
ARIZ	.7	2.3	8.0	12.8	13.1	19.7	3.6	1.9	2.5	2.5	19.7	13.2
ARK		4.8	36.3	23.9	13.3	12.3	3.3	3.7	.9	1.1	.4	
CALIF	.7	2.3	12.0	17.0	12.0	10.8	12.5	9.3	7.0	4.8	4.3	7.3
GA	2.5	2.5	18.7	22.6	13.1	19.1	3.9	5.8	3.7	5.6	1.0	1.5
LA		3.3	25.7	18.0	12.2	11.0	2.3	3.2	3.6	7.4	8.4	4.9
MISS	.3	6.3	36.7	20.0	11.0	15.8	3.2	1.3	1.6	2.0	1.3	.5
OKLA			10.3	9.8	10.6	25.5	11.7	3.8	1.4	11.8	14.9	.2
TENN		2.7	24.6	38.5	13.9	6.4	2.1	1.6	4.8	4.3	1.1	
TEX	9.0	15.0	5.0	4.0	8.0	11.0	6.0	7.0	5.0	8.0	11.0	11.0
U S	2.3	6.0	16.5	14.9	11.4	13.1	7.2	5.7	4.7	5.2	6.7	6.3

FARM MARKETINGS OF TOBACCO, BY STATES, 1986 CROP YEAR, PERCENT BY MONTHS

STATE	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	TOTAL
CLASS - FLUE-CURED											
FLA	5	51	44								100
GA	6	49	44	1							100
N C		28	45	25	2						100
S C		39	50	11							100
VA		14	31	44	11						100
CLASS - FIRE-CURED											
VA						77		23			100
KY							52	43	5		100
TENN							40	50	10		100
CLASS - AIR-CURED											
IND					20	59	21				100
KY					19	64	16	1			100
MD 1/											
MO					32	48	20				100
N C					28	63	9				100
OHIO					24	47	29				100
PA 1/											
TENN					29	61	10				100
VA					31	61	8				100
W VA					28	50	22				100

1/ SALES ARE NOT COMPLETE FOR THE 1986 CROP.



## APRIL WEATHER SUMMARY

A series of slow-moving storms moved through the central Appalachians and northeastward resulting in above normal precipitation for the Northeast. Temperatures were warmer than normal in the Northeast for most of the month but a late season storm late in the month dumped snow over much of the area and heavy snow accumulated in southern New England. Flooding occurred in New England and in western Virginia. Very dry weather plagued the northern Great Plains and upper Mississippi Valley and precipitation was well-below-normal through much of the Plains and the South. Light showers helped the Midwest but accumulations were less than normal. Widespread showers in northern Mexico spread into Arizona, New Mexico, and southwestern Texas. (Prepared by NOAA/USDA Joint Agricultural Weather Facility.)

## APRIL FIELDWORK

Rain, snow, and unseasonably cold temperatures virtually halted seeding and land preparation across much of the eastern half of the Nation in early April. The second week of the month, warm, dry weather spurred land preparation and seeding in most areas. However, low soil temperatures hampered seeding in California, the Southeast, and the Delta. Wetness impeded planting in the Corn Belt and central Great Plains while dryness plagued the Southeast and Delta during most of the second half of April. Planting progress jumped dramatically in most areas near the end of April.

Cold, freezing temperatures damaged fruit trees across much of the eastern half of the nation the first half of the month. Fruit crops suffered moderate to severe damage in Arkansas, Kentucky, and Tennessee. Freeze damage was heavy in some Georgia peach producing areas but damage was mostly light in South Carolina. Texas peaches suffered substantial bloom loss across the western half of the State.

Corn planting was limited mostly to the Southeast at the beginning of April. By midmonth, planting was 5 percent finished and had moved into the Corn Belt. Planting moved at a modest pace until near the end of the month when Iowa and Illinois seeded half their acreage in one week. On May 3rd, planting was 48 percent finished in the 17 major producing states, 23 points ahead of normal.

At month's end, cotton seeding at 37 percent completion, was 5 points above normal. As a result of cold weather and dryness, seeding was 8, 13, and 24 points behind normal in Georgia, North Carolina, and South Carolina, respectively. Cold weather and dryness hampered growth in Texas. Arizona's cotton was mostly good during the month.

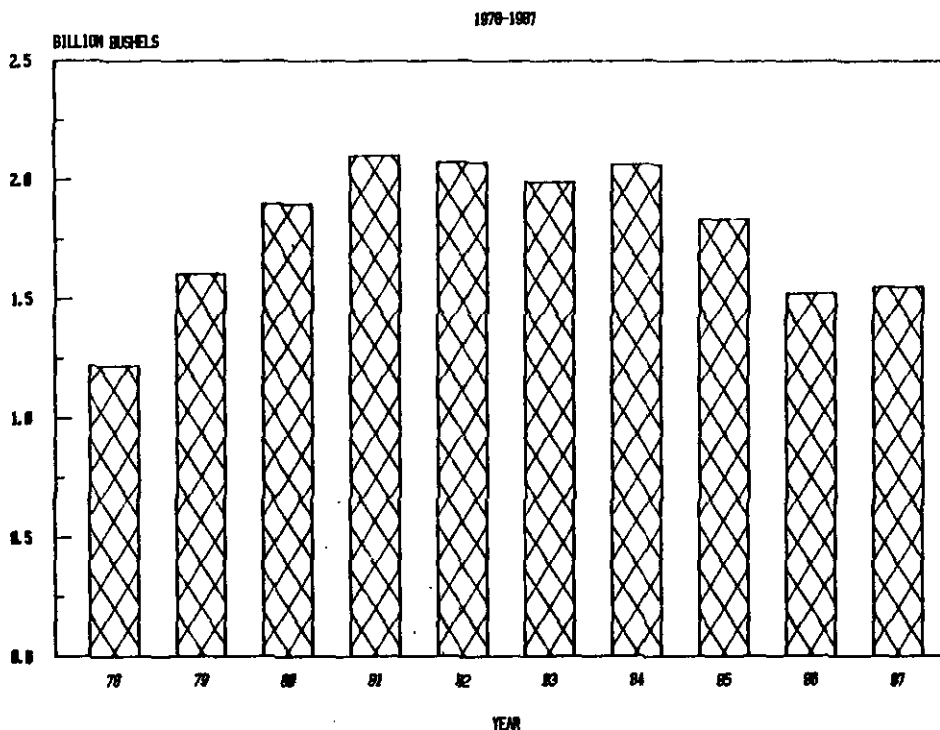
The 11 major sorghum producing States seeded 21 percent of the sorghum, 1 point below the 5-year average. By month's end, seeding was underway in all States except South Dakota. The lack of moisture slowed growth in Texas.

Rice was 67 percent seeded and 30 percent emerged on May 3rd. Emergence equaled the average but seeding was 21 points above the average. Arkansas seeding got off to a slow start but ended the month 43 points above normal. Seeding was 1 point below normal in Mississippi.

Soybean seeding reached 4 percent completion on May 3rd. Planting was just beginning in most States.

Spring wheat seeding progressed rapidly during April. Seventy-two percent of the acreage was seeded, 27 points greater than normal. Seeding was 20 points or more ahead of schedule in all States except Montana. Seeding neared completion in Idaho, Minnesota, and South Dakota.

## U. S. WINTER WHEAT PRODUCTION



WINTER WHEAT: Production is forecast at 1.55 billion bushels (42.2 million metric tons) as of May 1, 1987. This is 2 percent more than the 1.52 billion bushels (41.3 million metric tons) produced in 1986. Growers expect to harvest 38.9 million acres (15.7 million hectares) for grain this year, down 10 percent, and the lowest level since 1978. The sharp acreage decline is offset by higher yield prospects. Yields are expected to average 39.9 bushels per acre, up 4.7 bushels from 1986. This would be the third highest yield on record.

Conditions around the first of May point to a crop generally rated in fair to good condition, or better. Heading has advanced to 17 percent in the major producing States. This is well behind last year, but lags average by only 4 points. The late March freeze and a dry April have hurt Arkansas' yield prospects. Wheat has matured rapidly in California; dryland acreages need moisture. Dryland wheat in Idaho has been hurt by dry conditions; irrigated areas are facing a potential water shortage. Indiana's crop is in good condition.

April growing conditions were generally favorable for the Kansas crop; record yields are expected. Montana's winter wheat crop looks good; rains are needed by mid-May to maintain prospects. The Nebraska crop condition has been good through the winter and early spring; Russian aphid population has increased in the Panhandle area. Oklahoma suffered an extremely dry April. This has caused the crop to develop rapidly. Moisture and cooler temperatures are needed for the heads to fill properly. Moisture is currently adequate in Oregon, more is needed for proper development. Lack of rainfall during April and a hard freeze the last week of March have hurt Texas yield prospects. Irrigation has increased in the Plains; more rain is needed in the Blacklands. Conditions are good in Washington; moisture is needed to maintain this level.

ORANGES: All oranges are forecast at 190 million boxes (7.30 million metric tons) for 1986-87, fractionally lower than the April 1 forecast but 8 percent above the 1985-86 season. The Florida crop is nearly 123 million boxes, down 100 thousand boxes from April 1 but 3 percent more than last season. Production of early and mid-season oranges this season in Florida was 65.8 million boxes. Harvest was virtually complete by May 1. The Florida Valencia forecast, at 57.0 million boxes, is unchanged from April 1, but 4 percent higher than 1985-86. Harvest is 41 percent complete. The California Navel forecast is 36.5 million boxes, unchanged from April 1 and 10 percent higher than the 1985-86 crop. As of May 1, 85 percent of California's Navel crop was harvested. California's Valencia forecast is 27.0 million boxes, the same as the April 1 forecast but 26 percent above last season.

Arizona's all orange crop estimate is 2.75 million boxes, unchanged from last month but 20 percent more than last season. The Arizona all orange harvest is 78 percent complete. The Texas crop estimate is 875 thousand boxes. Texas harvest was completed in April.

Changes in U.S. orange production between the May 1 forecast and final production averaged 3.36 million boxes over the past ten seasons, ranging from a low of 300 thousand boxes in the 1977-78 season to a high of 7.60 million boxes in the 1976-77 season.

FLORIDA FROZEN CONCENTRATE JUICE YIELD: The 1986-87 yield projection of Frozen Concentrated Orange Juice is 1.50 gallons per box at 42.0 degree Brix, the same as the April 1 projection. 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 which was affected by freezing weather.

CITRUS HARVEST AND UTILIZATION: By May 1, nearly 125 million boxes of oranges had been harvested, 66 percent of the U.S. crop, compared with 125 million boxes or 71 percent on May 1, 1986. Processors had used 72 percent of the oranges harvested by May 1, 1987, compared with 72 percent on May 1 a year earlier.

Grapefruit harvest was 86 percent complete by May 1, compared with 87 percent on the same date last year. Processors had used 55 percent of the total crop harvested by May 1, compared with 56 percent a year earlier.

Lemon harvest at the first of the month was 90 percent complete, compared with 70 percent for the same period last season. Processors have utilized 57 percent of the crop, compared with 38 percent by May 1 last year.

CITRUS CROP - HARVEST AND UTILIZATION TO MAY 1

CROP	1985-86				1986-87			
	UTILIZATION				UTILIZATION			
	FRESH	PROCESSED	TOTAL	REMAINING FOR HARVEST	FRESH	PROCESSED	TOTAL	REMAINING FOR HARVEST
ORANGES	35,626	89,476	125,102	51,308	34,842	89,891	124,733	65,192
GRAPEFRUIT	22,002	28,196	50,198	7,572	23,722	29,461	53,183	8,542
LEMONS	8,005	4,874	12,879	5,471	10,132	13,690	23,822	2,678



GRAPEFRUIT: The 1986-87 U.S. crop forecast of 61.7 million boxes (2.28 million metric tons) is virtually the same as April 1 and 7 percent above last season. Florida's forecast, at 49.4 million boxes, is fractionally lower than April 1 but 6 percent above last season. The California "Desert Valley" forecast remains at 3.60 million boxes, the same as the 1985-86 crop. The California "Other Areas" crop forecast of 4.90 million boxes is unchanged from April 1 but 2 percent more than last season. Arizona's forecast, at 1.90 million boxes, is down 21 percent from 1985-86. The Texas crop estimate is nearly 1.93 million boxes. Picking of Florida grapefruit is 97 percent complete compared with 98 percent on May 1 a year ago. California's harvest is 24 percent complete compared with 26 percent on May 1, 1986. Arizona harvest is 80 percent complete compared with 88 percent complete on May 1 last year. Harvest in Texas is complete.

The California summer grapefruit crop appears to be in good condition. The size of this year's grapefruit is smaller than normal for this time of season. The maturity of the crop is ahead of normal due to the good weather conditions this spring. Harvest has just started and will pick up when harvest of the desert varieties finishes in June.

Changes in U.S. grapefruit production between the May 1 forecast and final production averaged 666 thousand boxes over the past ten seasons, ranging from no change in the 1985-86 season to a high of 2.15 million boxes in the 1981-82 season.

TANGELOS: The Florida forecast, excluding K-early citrus fruit, is 4.00 million boxes (163 thousand metric tons), 36 percent more than last season. Harvest is complete.

TEMPLES: Florida's Temple forecast continues at 3.40 million boxes (139 thousand metric tons), 15 percent above last season's crop. Harvest is virtually complete.

LEMONS: The forecast in Arizona and California totals 26.5 million boxes (914 thousand metric tons), up 4 percent from the April 1 forecast and 44 percent more than the utilized production last season. California's forecast, at 19.5 million boxes, is up 5 percent from April 1 and up 29 percent from the 1985-86 utilized production. Arizona's forecast remains at 7.00 million boxes, more than twice the small utilized production last season. Harvest is 86 percent complete in California while harvest in Arizona was completed during the month of April. Harvest is complete in the California desert area. Picking continues in the San Joaquin Valley and the largest producing region, the southern coastal region. Picking during the month's of July through October will be very light because of damage caused by last winter's freezing temperatures.

TEXAS CITRUS: The 1986-87 citrus season ended by early April. Yields continued to improve from the 1983 freeze and producers are optimistic that next season will be much better. Quality and sizes remained good throughout the season. Prices were also good. Trees are currently in good condition and have set a good crop for next season. Some drop has occurred due to dry, windy, conditions. Normal drop should be in June. Irrigation has become steady due to dry weather. Some post-bloom spraying has occurred.

FLORIDA CITRUS: Most of Florida's citrus groves have been maintained in very good condition by periodic use of irrigation. April was very dry, however, soil moisture was good the first of the month from the very wet late March. This year's bloom cycle ended the second week of April after almost a full month's blooming that was prolonged by the unusually cool spring weather. There is an abundance of new growth on trees of all ages. Harvest of Valencia oranges for both fresh and processed products increased through all of April. Movement of all seedless grapefruit slowed as supplies are running low. Temple harvest virtually ended by the end of April. Caretakers have been very active with post bloom nutritional spraying following petal drop at the end of the bloom cycle. Disking and chopping are being done following fertilization. Hedging and topping are active in harvested groves.

CALIFORNIA FRUIT AND NUTS: Thinning, spraying, and irrigating remained active throughout the month. Avocado picking continued throughout April. Growth in grape vineyards was vigorous. Kiwifruit flower buds swelled. Harvest of desert nectarines and freestone peaches began. Desert grapefruit and lemon harvest progressed. Navel orange picking slowed down by the end of April, while Valencia orange harvest was gathering momentum. Bloom of the 1987-88 citrus crop progressed. Almond set was reported heavy with some limb breakage from the heavy crop. Pistachios leafed out while walnuts bloomed heavily.

PAPAYAS: Hawaii fresh papaya production is forecast at 4.10 million pounds (1860 metric tons) for May, followed by an increase to 4.50 million pounds (2040 metric tons) in June. Output is anticipated to dip to 4.30 million pounds (1950 metric tons) in July, then rise again to 4.60 million pounds (2090 metric tons) in August.

Fresh papaya utilization in April is estimated at 4.12 million pounds (1870 metric tons), up 19 percent from March but 4 percent less than last April. Year-to-date production is 5 percent lower than the same period a year ago. Pin size holes found on some fruit resulted in a weeklong, government ordered halt in shipments to the continental U.S. The ban was lifted and shipments resumed after a close inspection of every individual fruit revealed no evidence of fruit fly infestation.

April's crop area totaled 3995 acres (1620 hectares), up 1 percent from March and 2 percent above last April. Harvested area for April decreased 1 percent to 2460 acres (1000 hectares) but was 3 percent more than April a year ago.

SWEET CHERRIES: The first forecast of California sweet cherries is 36.0 thousand tons (32.7 thousand metric tons), more than 4 times larger last year's small crop and 53 percent more than the 1985 crop. The crop is in good condition and trees are heavy with fruit. Hot weather and the heavy set could reduce fruit size.

HOPS: Hop acreage strung for harvest is forecast at 33.8 thousand acres (13.7 thousand hectares), up 35 percent from last year's harvested acres and 20 percent more than 1985. This crop year is the first in many years that hop growers have not been governed by a marketing order.

Growers in Idaho, Oregon, and Washington all indicate more acreage strung for harvest than was harvested last year. Idaho has the largest percentage increase from last year while Washington has the largest acreage increase.

ALMONDS: The first forecast of the 1987 California almond crop is 560 million pounds (254 thousand metric tons) shelled basis, more than twice last year's small crop and 20 percent higher than the 1985 production. The 1987 crop is expected to be 5 percent below the record high production set in 1984. Almonds are developing well under favorable growing conditions. Nut set is heavy, particularly in the California varieties, with some droppage reported. Nonpareil set is described as very good though somewhat less than the California varieties. Trees appear to be rebounding well from last year's low production. Bearing acreage is estimated at 415 thousand acres, 1 percent lower than last year.

POTATOES: Spring potato production is forecast at 19.0 million cwt (863 thousand metric tons), down 4 percent from last year and 17 percent below 1985. Area for harvest is set at 79.1 thousand acres (32.0 thousand hectares), up 4 percent from last year. Poorer yields in most States are responsible for the production downturn.

The California production forecast dropped 3 percent from April 1 because of variable weather. Harvest started on "whites" in early May and is expected on "reds" about May 11th and "Centennials" late in the month. Alabama yield expectations are down 15 cwt per acre from April 1 because of cool-wet weather. Harvest in the Hastings, Florida area started in late April. Early yields were poor but are expected to improve later on. In other Florida areas, harvest is well along with good yields reported. North Carolina fields are developing later than normal because of wet weather. Cold weather in Texas has further delayed potato development.

**PASTURE AND RANGE FEED CONDITION:** The pasture and range feed condition on May 1 for the 48 contiguous States was 81 percent, 5 points above May 1 last year and 2 points above the 1976-85 average for the date. Conditions were more favorable than last year in 34 States and less in 14 States.

Temperatures during April were generally above normal throughout the country except for the east coast. Precipitation during April was below normal in many areas, but adequate rainfall early this year kept pastures in good condition. With the warmer weather, rainfall is needed to promote pasture and range growth.

Conditions are considerably better in the Southeastern States than last year. Georgia is in the poor to fair range with a condition of 66 percent compared with 41 percent last year and an average of 78 percent. North Carolina and South Carolina were in the good to excellent range, 26 and 30 points, respectively, above last year.

Conditions in the far Western States are down considerably from last year. The Delta States of Arkansas, Louisiana, and Mississippi report pastures in poor to fair condition.

**HAY STOCKS ON-FARM:** May 1 stocks of hay on-farms totaled 32.4 million tons (29.4 million metric tons), 21 percent above the May 1 levels in both 1986 and 1985. May 1, 1987 stocks represent 20.8 percent of the 1986 hay production. A year earlier, stocks represented 18.0 percent of the previous crop.

**TOBACCO 1986 REVISED:** Production of all tobacco totaled 1.17 billion pounds (529 thousand metric tons) for 1986, 23 percent below 1985. Production of all types declined. The reduced production is the combined result of lower yields and reduced acreage. Yield, at 1997 pounds per acre, is 200 pounds below 1985. Area harvested, at 584 thousand acres (236 thousand hectares), is down 15 percent from last year.

FLUE-CURED production of 645 million pounds (292 thousand metric tons) is 19 percent below 1985. Growers harvested 308 thousand acres (125 thousand hectares), 14 percent fewer than last year. The average yield of 2091 pounds per acre is 150 pounds less than a year earlier. Percentage declines in production by types were: type 11, 18 percent; type 12, 19 percent; type 13, 22 percent; and type 14, 17 percent.

Output of BURLEY tobacco totaled 408 million pounds (185 thousand metric tons), 29 percent below the 1985 production. Area harvested, at 211 thousand acres (85.3 thousand hectares), is 17 percent below 1985. Yield averaged 1936 pounds per acre compared with 2247 pounds a year ago.

FIRE-CURED production in 1986, at 41.3 million pounds (18.7 thousand metric tons), fell 18 percent from a year earlier. Yield per acre, at 1958 pounds, is 49 pounds below last year. Area harvested declined 16 percent.

DARK AIR-CURED output reached 11.1 million pounds (5020 metric tons), 28 percent below the 1985 total. Yield, at 2038 pounds per acre, is up 36 pounds from 1985 but acres harvested are off 29 percent.

ALL CIGAR-TYPE production totaled 30.2 million pounds (13.7 thousand metric tons), down 23 percent from a year ago. Filler production decreased 9 percent; the binder types are off 36 percent; and the wrapper total is 17 percent below 1985.

COTTON 1986 REVISED: United States cotton production totaled 9.73 million bales in 1986, falling 28 percent from 1985. Excluding 1983, the PIK program year, this is the lowest production since 1975. Upland accounted for 9.53 million bales of the total 1986 crop and American-Pima, 206 thousand bales. While Upland production is the lowest since 1975 (excluding 1983), American-Pima is the largest crop of record. The previous record high crop for American-Pima was in 1963 when 164 thousand bales were produced.

Planted area, at 10.0 million acres (4.06 million hectares), is 6 percent below 1985. Harvested area, at 8.47 million acres (3.43 million hectares), is down 17 percent from 1985. Abandonment in 1986 was 15.7 percent of the planted area compared with 4.3 percent in 1985. Average yield per acre is 552 pounds, down 78 pounds from the record high yield of 630 pounds in 1985.

The 1986 crop year was plagued by drought conditions in the Southeast and to some extent in the Delta area during planting and early development of the crop. As the crop season progressed into harvest, rain caused extended delays in harvesting resulting in deterioration of the crops remaining for harvest, especially in Texas and Oklahoma and part of the Southeast. The crop year came to a conclusion with abandonment higher than normal and average yields in most States suffering as a result of excessive moisture.

The Bureau of the Census reported 9,437,968 running bales ginned (9,703,592 equivalent 480-pounds net weight bales), during the 1986 season compared with 12,987,834 running bales (13,417,572 equivalent 480-pounds net weight bales) ginned in 1985.

The preliminary 1986 marketing year average price received by farmers for lint is 52.2 cents per pound, down 4.3 cents from 1985. Value of lint for the 1986 crop totaled \$2.44 billion, down 33 percent from 1985.

COTTONSEED: Cottonseed production in 1986, at 3.80 million tons (3.45 million metric tons), is 28 percent below 1985 production. The preliminary 1986 marketing year average price received is \$78.50 per ton compared with \$66.00 in 1985. Value of cottonseed for the 1986 crop totaled \$298 million, down 14 percent from 1985.

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