

Crop Production



National
Agricultural
Statistics
Service
Fact Finding
for Agriculture

United States
Department of
Agriculture

Agricultural
Statistics
Board

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HIGHLIGHTS

WINTER WHEAT production is forecast at 1.43 billion bushels, 8 percent less than 1988 and the lowest production since 1978. Harvested area is placed at 41.0 million acres, up 3 percent from last year. Yield is forecast at 34.9 bushels per acre, down 4.3 bushels from last year.

CITRUS production is forecast at 13.2 million tons, 4 percent above last season.

ORANGE production is forecast at 208 million boxes, 4 percent greater than last season.

GRAPEFRUIT production is forecast at 70.6 million boxes, 4 percent above last season.

SPRING POTATO production is forecast at 20.1 million cwt, up 1 percent from last year and 14 percent above 1987.

ALMOND production is forecast at 450 million pounds, shelled basis, 24 percent below last year.

* INCLUDED IN THIS ISSUE *
* * * * *
* o Preliminary 1988-89 Acreage, Yield, Production, Utilization, Price *
* and Value of Florida Avocados. *
* * * * *
* o Lint/Seed Ratio for Six Major Cotton States. *
* * * * *
* o Revised, 1988 Acreage, Yield, Production, Price, and Value of Cotton *
* Lint and Tobacco (by Types and Classes). *
* * * * *
* o Revised 1988 and Final Revisions for 1987 Production, Disposition, *
* and Value of Cottonseed. *
* * * * *
* o Revisions of 1988 Almond Production. *
* * * * *
* o Revised Acreage, Yield, and Production of 1988 Crops: Bananas, *
* Papayas, and Taro. *

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 1968-1987 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 1.4 billion bushels will not be above or below the final estimate by more than 6.8 percent or approximately 97 million bushels. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 11.8 percent or approximately 169 million bushels. Differences between the May 1 winter wheat production forecast and the final estimate during the past 10 years have averaged 91.0 million bushels, ranging from 11 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	
	INDICATED		INDICATED	
	1988	1989	1988	1989
	1,000 ACRES			
WINTER WHEAT	48,800	54,731	39,785	41,025
SPRING POTATOES	80.1	87.8	79.0	85.3

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

CROP AND UNIT	YIELD PER ACRE		PRODUCTION		
	INDICATED		INDICATED		
	1988	1989	1988	APR 1, 1989	MAY 1, 1989
	1,000				
WINTER WHEAT BU	39.2	34.9	1,560,970		1,430,148
SPRING POTATOES CWT	253	236	20,002	20,439	20,132
ALMONDS (CALIF) LB			590,000		450,000
HAY STOCKS ON FARMS TON			27,353	1/90,887	17,627
PASTURE AND RANGE FEED 2/ PCT	73	68			
CITRUS FRUITS 3/			1987-88	1988-89	1988-89
ORANGES BOX			200,040	207,750	207,700
GRAPEFRUIT "			68,050	70,700	70,550

1/ DECEMBER 1, 1988. 2/ PASTURE AND RANGE FEED CONDITION AS OF FIRST OF MONTH. THE 1978-87 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	
	INDICATED		INDICATED	
	1988	1989	1988	1989
	HECTARES			
WINTER WHEAT	19,748,870	22,149,090	16,100,590	16,602,410
SPRING POTATOES	32,420	35,530	31,970	34,520

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

CROP	YIELD PER HECTARE:		PRODUCTION		
	INDICATED:		INDICATED		
	1988	1989	1988	APR 1, 1989	MAY 1, 1989
	METRIC TONS				
WINTER WHEAT	2.64	2.34	42,482,640		38,922,250
SPRING POTATOES	28.38	26.45	907,280	927,100	913,170
ALMONDS (CALIF)			267,620		204,120
HAY STOCKS ON FARMS			24,814,220	1/82,451,300	15,990,940
CITRUS FRUITS 2/			1987-88	1988-89	1988-89
ORANGES			7,750,990	8,060,340	8,058,520
GRAPEFRUIT			2,522,880	2,626,300	2,620,860

1/ DECEMBER 1, 1988. 2/ SEASON ENDS WITH BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH COMPLETION OF HARVEST THE FOLLOWING YEAR.

WINTER WHEAT

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1988	IND 1989	1988	IND 1989	1987	1988	IND 1989
	1,000 ACRES		BUSHEL		1,000 BUSHEL		
ALA	200	240	43.0	38.0	5,270	8,600	9,120
ARIZ	35	24	98.0	100.0	4,180	3,430	2,400
ARK	1,070	1,300	53.0	47.0	34,440	56,710	61,100
CALIF	460	570	83.0	81.0	38,760	38,180	46,170
COLO	2,300	2,100	33.0	32.0	93,750	75,900	67,200
DEL	63	68	52.0	54.0	2,016	3,276	3,672
FLA	55	65	37.0	35.0	1,800	2,035	2,275
GA	500	680	43.0	34.0	14,260	21,500	23,120
IDAHO	770	790	66.0	68.0	60,000	50,820	53,720
ILL	1,250	1,550	54.0	55.0	56,050	67,500	85,250
IND	700	820	50.0	54.0	34,800	35,000	44,280
IOWA	35	60	30.0	35.0	1,140	1,050	2,100
KANS	9,500	9,200	34.0	22.0	366,300	323,000	202,400
KY	380	450	54.0	52.0	16,170	20,520	23,400
LA	270	310	41.0	41.0	5,270	11,070	12,710
MD	170	203	53.0	53.0	8,085	9,010	10,759
MICH	620	640	42.0	45.0	19,200	26,040	28,800
MINN	60	120	24.0	31.0	2,970	1,440	3,720
MISS	450	435	46.0	40.0	12,600	20,700	17,400
MO	1,550	1,900	50.0	47.0	35,420	77,500	89,300
MONT	2,100	1,500	19.0	20.0	79,200	39,900	30,000
NEBR	2,000	2,150	36.0	33.0	85,800	72,000	70,950
NEV	7	6	80.0	85.0	630	560	510
N J	31	31	45.0	44.0	1,215	1,395	1,364
N MEX	290	185	24.0	22.0	10,880	6,960	4,070
N Y	90	115	55.0	57.0	3,760	4,950	6,555
N C	480	630	50.0	48.0	18,040	24,000	30,240
N DAK	130	70	13.0	20.0	5,920	1,690	1,400
OHIO	920	1,200	50.0	53.0	46,400	46,000	63,600
OKLA	4,800	5,400	36.0	26.0	129,600	172,800	140,400
OREG	660	750	71.0	68.0	49,500	46,860	51,000
PA	170	210	53.0	53.0	7,955	9,010	11,130
S C	305	440	46.0	42.0	10,450	14,030	18,480
S DAK	1,270	1,400	17.0	23.0	55,080	21,590	32,200
TENN	430	420	50.0	42.0	14,350	21,500	17,640
TEX	3,200	2,900	28.0	21.0	100,800	89,600	60,900
UTAH	155	155	36.0	38.0	7,310	5,580	5,890
VA	200	230	52.0	50.0	9,675	10,400	11,500
WASH	1,750	1,300	62.0	53.0	104,025	108,500	68,900
W VA	9	11	46.0	45.0	495	414	495
WIS	125	180	40.0	49.0	3,240	5,000	8,820
WYO	225	217	22.0	24.0	8,370	4,950	5,208
U S	39,785	41,025	39.2	34.9	1,565,176	1,560,970	1,430,148

WHEAT PRODUCTION BY CLASSES, UNITED STATES 1/

YEAR	WINTER			SPRING			TOTAL
	HARD RED	SOFT RED	WHITE	HARD RED	DURUM	WHITE	
	1,000 BUSHEL						
1987	1,020,772	347,742	196,662	430,578	92,617	19,109	2,107,480
1988	880,134	473,643	207,193	181,202	44,831	24,258	1,811,261
1989 2/:	695,619	552,494	182,035				

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, 1989.

HAY STOCKS ON FARMS

STATE	DEC 1			MAY 1		
	1986	1987	1988	1987	1988	1989
	1,000 TONS					
ALA	1,008	1,250	1,125	168	132	285
ARIZ	290	263	133	25	41	27
ARK	1,537	1,290	1,337	486	482	468
CALIF	2,330	2,341	2,163	345	360	173
COLO	2,659	3,033	2,374	728	809	435
CONN	142	129	111	36	22	37
DEL	35	36	41	6	5	9
FLA	460	479	474	101	80	117
GA	631	1,003	953	135	238	314
IDAHO	3,304	4,008	3,648	1,086	901	310
ILL	2,748	2,472	1,986	733	570	563
IND	1,722	1,754	1,233	358	360	112
IOWA	6,800	5,832	4,732	2,080	1,341	1,014
KANS	5,879	4,635	3,571	1,150	1,023	725
KY	3,050	3,893	3,286	574	727	535
LA	562	799	624	102	97	107
MAINE	300	278	290	108	81	70
MD	356	494	452	76	109	105
MASS	195	178	175	59	47	55
MICH	3,331	2,236	2,405	861	570	549
MINN	6,773	5,850	4,594	1,548	1,482	626
MISS	1,067	1,354	1,170	232	285	234
MO	5,546	5,375	4,334	1,266	927	722
MONT	4,450	4,842	2,706	1,296	1,179	307
NEBR	6,354	5,217	4,557	1,921	1,236	1,042
NEV	963	897	668	206	207	67
N H	135	118	130	42	36	33
N J	178	172	136	18	40	49
N MEX	594	536	353	92	67	71
N Y	3,894	3,688	2,964	1,028	843	840
N C	401	486	614	69	102	112
N DAK	5,208	5,275	2,312	1,465	1,343	442
OHIO	2,929	2,875	1,878	560	575	531
OKLA	4,553	3,972	3,734	1,417	883	668
OREG	2,100	2,200	1,665	689	392	167
PA	3,741	4,054	3,301	769	988	896
R I	15	12	11	7	5	4
S C	279	338	378	46	90	116
S D	8,677	8,508	4,614	4,105	2,765	1,173
TENN	1,925	2,485	2,056	251	370	347
TEX	6,714	8,089	5,778	2,313	1,665	696
UTAH	1,559	1,503	1,155	470	381	278
VT	628	587	532	206	179	131
VA	1,303	1,954	1,776	190	344	400
WASH	1,868	2,104	1,700	517	405	312
W VA	761	895	745	128	149	149
WIS	9,482	7,726	3,792	1,616	1,954	887
WYO	2,298	2,330	2,121	734	466	317
U S	121,734	119,845	90,887	32,418	27,353	17,627

PASTURE AND RANGE FEED CONDITION 1/

STATE	AVERAGE	1988	1989	STATE	AVERAGE	1988	1989
	1978-87				1978-87		
	PERCENT				PERCENT		
ALA	74	82	81	NEV	86	64	74
ARIZ	84	94	75	N H	93	85	90
ARK	84	85	75	N J	84	79	78
CALIF	89	63	82	N MEX	74	74	45
COLO	77	86	50	N Y	84	79	74
CONN	90	70	90	N C	83	84	90
DEL	83	88	101	N DAK	70	54	43
FLA	75	74	71	OHIO	86	83	87
GA	74	82	83	OKLA	78	88	63
IDAHO	88	75	83	OREG	89	79	92
ILL	84	81	80	PA	84	74	72
IND	86	83	84	R I	93	80	90
IOWA	81	69	52	S C	76	81	86
KANS	82	84	47	S DAK	76	53	54
KY	84	84	89	TENN	84	81	91
LA	78	85	85	TEX	65	59	60
MAINE	92	85	85	UTAH	86	83	64
MD	81	83	100	VT	93	85	80
MASS	91	80	85	VA	84	84	85
MICH	88	83	80	WASH	87	81	92
MINN	81	62	61	W VA	78	77	74
MISS	81	89	82	WIS	79	66	52
MO	80	75	65	WYO	82	81	59
MONT	77	67	73				
NEBR	81	77	49	U S	79	73	68

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		
	1988	IND 1989	1988	IND 1989	1987	1988	IND 1989
	1,000 ACRES		CWT		1,000 CWT		
ALA	4.1	4.4	135	170	613	554	748
ARIZ	5.3	5.7	235	290	1,348	1,246	1,653
CALIF	19.6	21.0	385	375	7,881	7,546	7,875
HASTINGS	26.5	25.5	235	200	4,505	6,228	5,100
OTHER	2.5	6.5	210	190	399	525	1,235
FLA	29.0	32.0	233	198	4,904	6,753	6,335
LA 1/	.4	.3	50	65	18	20	20
N C	14.4	14.8	190	155	2,030	2,736	2,294
TEX	6.2	7.1	185	170	930	1,147	1,207
U S	79.0	85.3	253	236	17,724	20,002	20,132

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

CITRUS FRUIT 1/

CROP AND STATE	PRODUCTION BOXES			PRODUCTION TON EQUIVALENT		
	UTILIZED	INDICATED:	UTILIZED	INDICATED:	UTILIZED	INDICATED:
	1986-87	1987-88	1988-89	1986-87	1987-88	1988-89
	1,000 UNITS 2/			1,000 UNITS		
ORANGES, EARLY MID & NAVEL						
ARIZ	1,000	610	550	37	23	21
CALIF	34,500	31,500	35,000	1,294	1,182	1,313
FLA	65,800	78,500	85,300	2,961	3,532	3,839
TEX	500	940	1,200	22	40	51
U S	101,800	111,550	122,050	4,314	4,777	5,224
ORANGES, VALENCIA						
ARIZ	1,700	1,200	1,000	64	45	38
CALIF	23,400	27,300	25,000	878	1,024	938
FLA	53,900	59,500	59,000	2,425	2,677	2,655
TEX	375	490	650	16	21	28
U S	79,375	88,490	85,650	3,383	3,767	3,659
ALL ORANGES						
ARIZ	2,700	1,810	1,550	101	68	59
CALIF	57,900	58,800	60,000	2,172	2,206	2,251
FLA	119,700	138,000	144,300	5,386	6,209	6,494
TEX	875	1,430	1,850	38	61	79
U S	181,175	200,040	207,700	7,697	8,544	8,883
TEMPLES						
FLA	3,400	3,550	3,800	153	160	171
GRAPEFRUIT, WHITE SEEDLESS						
FLA	26,900	29,200	28,500	1,143	1,241	1,211
GRAPEFRUIT, COLORED SEEDLESS						
FLA	20,000	21,900	24,000	850	930	1,020
OTHER GRAPEFRUIT						
FLA	2,900	2,750	3,350	123	117	142
ALL GRAPEFRUIT						
ARIZ	2,200	1,500	1,400	70	48	45
CALIF						
DESERT	4,300	4,200	3,900	137	135	125
OTHER AREAS	5,000	4,700	4,600	168	158	154
TOTAL	9,300	8,900	8,500	305	293	279
FLA	49,800	53,850	55,850	2,116	2,288	2,373
TEX	1,925	3,800	4,800	77	152	192
U S	63,225	68,050	70,550	2,568	2,781	2,889
TANGERINES						
ARIZ	700	450	400	26	17	15
CALIF	2,230	2,090	1,800	83	78	68
FLA	2,340	2,450	2,900	111	117	138
U S	5,270	4,990	5,100	220	212	221
LEMONS						
ARIZ	7,100	3,650	3,800	270	139	144
CALIF	21,500	17,000	18,000	817	646	684
U S	28,600	20,650	21,800	1,087	785	828
TANGELOS						
FLA	4,000	4,200	3,800	180	189	171

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.

SWEET CHERRIES

STATE	PRODUCTION		
	TOTAL		
	1987	1988	IND 1989
	TONS		
CALIF	45,000	26,000	27,000

ALMONDS (SHELLED BASIS)

STATE	PRODUCTION		
	TOTAL		
	1987	1988	INDICATED 1989
	1,000 POUNDS		
CALIF	660,000	590,000	450,000

AVOCADOS - FLORIDA

YEAR	BEARING ACREAGE 1/	YIELD PER ACRE 1/	PRODUCTION		UTILIZATION	
			TOTAL	UTILIZED	FRESH	PROCESSED
	ACRES	TONS	TONS		TONS	
1987-88	11,300	2.57	29,000	29,000	29,000	
1988-89	10,900	2.48	27,000	27,000	27,000	
		PRICE PER TON		VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	ALL
	DOLLARS			DOLLARS		
1987-88	312.00		312.00	9,048		9,048
1988-89	436.00		436.00	11,772		11,772

1/ BEARING ACREAGE ESTIMATES ARE BASED ON PERIODIC ORCHARD INVENTORY SURVEYS.

PAPAYAS - HAWAII

MONTH	AREA				FRESH PRODUCTION		
	TOTAL IN CROP		HARVESTED		1988	1989	FORECAST
	1988	1989	1988	1989			1989
	ACRES				1,000 POUNDS		
MAR	4,075	4,205	2,200	2,445	3,100	5,165	
APR	4,165	4,210	2,175	2,390	4,340	5,955	
MAY	4,330		2,325		4,350		5,700
JUN	4,445		2,220		4,580		6,000
JUL	4,360		2,290		5,470		6,200
AUG	4,510		2,310		4,930		6,200
CUMULATIVE FRESH PRODUCTION JAN-APR					14,470	19,865	

HAWAII

ITEM	AREA HARVESTED			YIELD	
	1987	1988	1/	1987	1988 1/
	ACRES			POUNDS	
BANANAS	1,070	1,070		10,700	12,100
PAPAYAS 2/	2,350	2,300		44,700	N/A
TARO 3/	400	420		15,800	16,200

ITEM	TOTAL PRODUCTION			UTILIZED PRODUCTION	
	1987	1988	1/	1987	1988 1/
	1,000 POUNDS			1,000 POUNDS	
BANANAS	11,400	12,900		11,400	12,900
PAPAYAS 2/	105,000	N/A		67,000	69,000
TARO	6,300	6,800		6,300	6,800

1/ REVISED. 2/ 1987 YIELD IS BASED ON TOTAL PRODUCTION WHICH INCLUDES UNUTILIZED QUANTITIES. UNHARVESTED AND HARVESTED BUT NOT SOLD PRODUCTION OF 38.0 MILLION POUNDS IS INCLUDED IN THE 1987 TOTAL PRODUCTION ESTIMATE. TOTAL PRODUCTION AND YIELD WERE NOT ESTIMATED FOR THE 1988 CROP. 3/ AREA HARVESTED IS AVERAGE DURING THE YEAR. N/A = NOT AVAILABLE.

TOBACCO BY STATES 1/

STATE	AREA HARVESTED		YIELD		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	ACRES		POUNDS		1,000 POUNDS	
CONN	1,800	1,810	1,509	1,641	2,716	2,971
FLA	5,600	6,400	2,465	2,680	13,804	17,152
GA	32,000	38,000	2,255	2,260	72,160	85,880
IND	5,400	5,500	2,050	1,990	11,070	10,945
KY	148,300	158,000	2,056	2,247	304,845	355,024
MD	11,700	10,000	1,140	1,290	13,338	12,900
MASS	520	520	1,256	1,475	653	767
MO	1,700	2,100	2,070	2,100	3,519	4,410
N C	224,900	249,900	2,075	2,211	466,592	552,627
OHIO	7,350	7,820	1,639	1,854	12,044	14,497
PA	11,000	9,500	1,882	1,913	20,700	18,175
S C	42,000	45,000	2,240	2,225	94,080	100,125
TENN	49,440	48,520	1,766	1,920	87,291	93,142
VA	39,430	46,710	1,950	1,973	76,900	92,177
W VA	1,800	1,700	1,440	1,600	2,592	2,720
WIS	4,200	3,600	1,993	1,967	8,370	7,080
U S	587,140	635,080	2,028	2,158	1,190,674	1,370,592
:MARKETING YEAR AVERAGE PRICE		:		VALUE OF		
:PER POUND RECEIVED BY FARMERS		:		PRODUCTION		
	1987	1988		1987	1988	
	DOLLARS PER POUND			1,000 DOLLARS		
CONN	7.467	11.700		20,281	34,808	
FLA	1.641	1.648		22,652	28,266	
GA	1.630	1.627		117,621	139,727	
IND	1.549	1.599		17,147	17,501	
KY	1.563	1.637		476,362	581,064	
MD	1.249	1.605		16,659	20,705	
MASS	11.300	16.500		7,390	12,653	
MO	1.568	1.548		5,518	6,827	
N C	1.579	1.611		736,690	890,140	
OHIO	1.543	1.598		18,578	23,165	
PA	0.770	1.130		15,940	20,546	
S C	1.607	1.614		151,187	161,602	
TENN	1.551	1.705		135,421	158,762	
VA	1.524	1.594		117,166	146,900	
W VA	1.465	1.525		3,797	4,148	
WIS	1.000	1.250		8,370	8,850	
U S	1.571	1.646		1,870,779	2,255,664	

1/ 1988 REVISED

TOBACCO BY CLASS AND TYPE 1/

CLASS AND TYPE	AREA HARVESTED		YIELD		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	ACRES	ACRES	POUNDS	POUNDS	1,000 POUNDS	1,000 POUNDS
CLASS 1, FLUE-CURED						
TYPE 11, OLD AND MIDDLE BELTS						
N C	80,000	92,000	1,970	2,095	157,600	192,740
VA	28,000	35,000	2,085	2,055	58,380	71,925
U S	108,000	127,000	2,000	2,084	215,980	264,665
TYPE 12, EASTERN N C BELT						
N C	107,000	118,000	2,170	2,325	232,190	274,350
TYPE 13, N C BORDER & S C BELT						
N C	30,000	32,000	2,090	2,220	62,700	71,040
S C	42,000	45,000	2,240	2,225	94,080	100,125
U S	72,000	77,000	2,178	2,223	156,780	171,165
TYPE 14, GA-FLA BELT						
FLA	5,600	6,400	2,465	2,680	13,804	17,152
GA	32,000	38,000	2,255	2,260	72,160	85,880
U S	37,600	44,400	2,286	2,321	85,964	103,032
TOTAL 11-14	324,600	366,400	2,129	2,219	690,914	813,212
CLASS 2, FIRE-CURED						
TYPE 21, VA BELT						
VA	2,600	2,300	1,000	1,270	2,600	2,920
TYPE 22, EASTERN DISTRICT						
KY	2,700	2,600	2,070	2,480	5,589	6,448
TENN	5,500	5,600	2,170	2,385	11,935	13,356
U S	8,200	8,200	2,137	2,415	17,524	19,804
TYPE 23, WESTERN DISTRICT						
KY	2,600	2,600	2,450	2,670	6,370	6,942
TENN	460	440	2,350	2,450	1,081	1,078
U S	3,060	3,040	2,435	2,638	7,451	8,020
TOTAL 21-23	13,860	13,540	1,990	2,271	27,575	30,744
CLASS 3, AIR-CURED						
CLASS 3A, LIGHT AIR-CURED						
TYPE 31, BURLEY						
IND	5,400	5,500	2,050	1,990	11,070	10,945
KY	140,000	150,000	2,050	2,235	287,000	335,250
MO	1,700	2,100	2,070	2,100	3,519	4,410
N C	7,900	7,900	1,785	1,835	14,102	14,497
OHIO	7,300	7,800	1,640	1,855	11,972	14,469
TENN	43,000	42,000	1,705	1,850	73,315	77,700
VA	8,700	9,300	1,815	1,850	15,790	17,205
W VA	1,800	1,700	1,440	1,600	2,592	2,720
U S	215,800	226,300	1,943	2,109	419,360	477,196
TYPE 32, SOUTHERN MD BELT 2/						
MD	11,700	10,000	1,140	1,290	13,338	12,900
PA	4,000	3,500	1,850	1,850	7,400	6,475
U S	15,700	13,500	1,321	1,435	20,738	19,375
TOTAL 31-32	231,500	239,800	1,901	2,071	440,098	496,571

SEE FOOTNOTES ON PAGE A-15.

CONTINUED

TOBACCO BY CLASS AND TYPE - CONTINUED 1/

CLASS AND TYPE	AREA HARVESTED		YIELD		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	ACRES		POUNDS		1,000 POUNDS	
CLASS 3B, DARK						
AIR-CURED						
TYPE 35, ONE SUCKER						
BELT						
KY	1,900	1,850	1,940	2,280	3,686	4,218
TENN	480	480	2,000	2,100	960	1,008
U S	2,380	2,330	1,952	2,243	4,646	5,226
TYPE 36, GREEN RIVER						
BELT						
KY	1,100	950	2,000	2,280	2,200	2,166
TYPE 37, VA SUN-CURED						
BELT						
VA	130	110	1,000	1,155	130	127
TOTAL 35-37	3,610	3,390	1,932	2,218	6,976	7,519
CLASS 4, CIGAR FILLER						
TYPE 41, PA SEEDLEAF						
PA	7,000	6,000	1,900	1,950	13,300	11,700
TYPE 42-44 OHIO-MIAMI						
VALLEY TYPES						
OHIO 3/	50	50	1,440	600	72	30
TOTAL 41-44 3/	7,050	6,020	1,897	1,948	13,372	11,728
CLASS 5, CIGAR BINDER						
CLASS 5A, CONN VALLEY						
BINDER						
TYPE 51, CONN VALLEY						
BROADLEAF						
CONN	930	850	1,700	1,700	1,581	1,445
MASS	110	100	1,800	1,850	198	185
TOTAL 51	1,040	950	1,711	1,716	1,779	1,630
CLASS 5B, WIS BINDER						
TYPE 54, SOUTHERN WIS						
WIS	2,700	2,500	2,100	2,040	5,670	5,100
TYPE 55, NORTHERN WIS						
WIS	1,500	1,100	1,800	1,800	2,700	1,980
TOTAL 54-55	4,200	3,600	1,993	1,967	8,370	7,080
TOTAL 51-55	5,240	4,550	1,937	1,914	10,149	8,710
CLASS 6, CIGAR WRAPPER						
TYPE 61, CONN VALLEY						
SHADE-GROWN						
CONN	870	960	1,305	1,590	1,135	1,526
MASS	410	420	1,110	1,385	455	582
U S	1,280	1,380	1,242	1,528	1,590	2,108
ALL CIGAR TYPES						
TOTAL 41-61	13,570	11,950	1,850	1,887	25,111	22,546
ALL TOBACCO	587,140	635,080	2,028	2,158	1,190,674	1,370,592

SEE FOOTNOTES ON PAGE A-15.

TOBACCO BY CLASS AND TYPE - CONTINUED 1/

CLASS AND TYPE	:MARKETING YEAR AVERAGE PRICE : :PER POUND RECEIVED BY FARMERS:		VALUE OF PRODUCTION	
	: 1987	: 1988	: 1987	: 1988
	DOLLARS PER POUND		1,000	DOLLARS
CLASS 1, FLUE-CURED				
TYPE 11, OLD AND MIDDLE BELTS				
N C	1.541	1.588	242,862	306,071
VA	1.535	1.599	89,613	115,008
U S	1.539	1.591	332,475	421,079
TYPE 12, EASTERN N C BELT				
N C	1.596	1.625	370,575	445,819
TYPE 13, N C BORDER & S C BELT				
N C	1.625	1.621	101,888	115,156
S C	1.607	1.614	151,187	161,602
U S	1.614	1.617	253,075	276,758
TYPE 14, GA-FLA BELT				
FLA	1.641	1.648	22,652	28,266
GA	1.630	1.627	117,621	139,727
U S	1.632	1.630	140,273	167,993
TOTAL 11-14	1.587	1.613	1,096,398	1,311,649
CLASS 2, FIRE-CURED				
TYPE 21, VA BELT				
VA	1.315	1.482	3,419	4,327
TYPE 22, EASTERN DISTRICT				
KY	1.455	2.231	8,132	14,385
TENN	1.559	2.231	18,607	29,797
U S	1.526	2.231	26,739	44,182
TYPE 23, WESTERN DISTRICT				
KY	1.486	2.149	9,466	14,918
TENN	1.505	2.151	1,627	2,319
U S	1.489	2.149	11,093	17,237
TOTAL 21-23	1.496	2.138	41,251	65,746
CLASS 3, AIR-CURED				
CLASS 3A, LIGHT AIR-CURED				
TYPE 31, BURLEY				
IND	1.549	1.599	17,147	17,501
KY	1.572	1.615	451,164	541,429
MO	1.568	1.548	5,518	6,827
N C	1.515	1.593	21,365	23,094
OHIO	1.546	1.599	18,509	23,136
TENN	1.553	1.608	113,858	124,942
VA	1.520	1.593	24,001	27,408
W VA	1.465	1.525	3,797	4,148
U S	1.563	1.610	655,359	768,485
TYPE 32, SOUTHERN MD BELT				
MD	1.249	1.605	16,659	20,705
PA	0.860	1.330	6,364	8,612
U S	1.110	1.513	23,023	29,317
TOTAL 31-32	1.541	1.607	678,382	797,802

SEE FOOTNOTES ON PAGE A-15.

CONTINUED

TOBACCO BY CLASS AND TYPE - CONTINUED 1/

CLASS AND TYPE	:MARKETING YEAR AVERAGE PRICE : :PER POUND RECEIVED BY FARMERS:		VALUE OF PRODUCTION	
	: 1987	: 1988	: 1987	: 1988
	DOLLARS PER POUND		1,000	DOLLARS
CLASS 3, AIR-CURED				
CLASS 3B, DARK				
AIR-CURED				
TYPE 35, ONE SUCKER				
BELT				
KY	1.379	1.725	5,083	7,276
TENN	1.384	1.690	1,329	1,704
U S	1.380	1.718	6,412	8,980
TYPE 36, GREEN RIVER				
BELT				
KY	1.144	1.411	2,517	3,056
TYPE 37, VA SUN-CURED				
BELT				
VA	1.025	1.239	133	157
TOTAL 35-37	1.299	1.622	9,062	12,193
CLASS 4, CIGAR FILLER				
TYPE 41, PA SEEDLEAF				
PA	0.720	1.020	9,576	11,934
TYPE 42-44 OHIO MIAMI				
VALLEY TYPES				
OHIO 3/	0.960	1.040	69	29
TOTAL 41-44 3/	0.721	1.020	9,645	11,963
CLASS 5, CIGAR BINDER				
CLASS 5A, CONN VALLEY				
BINDER				
TYPE 51, CONN VALLEY				
BROADLEAF				
CONN	1.700	1.700	2,688	2,457
MASS	1.700	1.700	337	315
US	1.700	1.700		
CLASS 5B, WIS BINDER				
TYPE 54, SOUTHERN WIS				
WIS	1.000	1.250	5,670	6,375
TYPE 55, NORTHERN WIS				
WIS	1.000	1.250	2,700	2,475
TOTAL 54-55	1.000	1.250	8,370	8,850
TOTAL 51-55	1.123	1.334	11,395	11,622
CLASS 6, CIGAR WRAPPER				
TYPE 61, CONN VALLEY				
SHADE-GROWN				
CONN	15.500	21.200	17,593	32,351
MASS	15.500	21.200	7,053	12,338
U S	15.500	21.200	24,646	44,689
ALL CIGAR TYPES				
TOTAL 41-61	1.819	3.028	45,686	68,274
ALL TOBACCO	1.571	1.646	1,870,779	2,255,664

1/ REVISED. 2/ ESTIMATES CARRIED FORWARD FROM CROP PRODUCTION ANNUAL SUMMARY RELEASED JANUARY 13, 1989. 3/ INCLUDES BINDER TYPES GROWN IN OHIO.

COTTON: ACREAGE AND YIELD

CROP AND STATE	AREA PLANTED		AREA HARVESTED		YIELD	
	1987	1988 1/2	1987	1988 1/2	1987	1988 1/2
	1,000 ACRES				POUNDS	
UPLAND						
ALA	335.0	390.0	333.0	375.0	572	486
ARIZ	290.0	350.0	289.0	349.0	1,410	1,190
ARK	555.0	695.0	550.0	675.0	786	742
CALIF	1,150.0	1,350.0	1,140.0	1,335.0	1,259	1,015
FLA	29.5	33.0	29.0	29.0	646	566
GA	250.0	350.0	245.0	315.0	662	564
KANS	1.0	1.0	.9	.9	480	373
LA	605.0	735.0	600.0	645.0	782	705
MISS	1,020.0	1,230.0	1,010.0	1,190.0	829	736
MO	190.0	240.0	189.0	237.0	838	620
N MEX	66.0	77.0	62.0	69.0	689	710
N C	96.0	126.0	95.0	124.0	495	515
OKLA	420.0	460.0	400.0	435.0	415	334
S C	120.0	145.0	119.0	142.0	428	473
TENN	440.0	535.0	435.0	530.0	700	529
TEX	4,700.0	5,600.0	4,400.0	5,300.0	506	472
VA	1.8	3.2	1.8	3.2	373	510
U S	10,269.3	12,320.2	9,898.7	11,754.1	702	616
AMER-PIMA						
ARIZ	91.0	128.0	90.8	128.0	1,126	904
CALIF	.9	1.8	.9	1.8	1,173	853
N MEX	14.0	17.8	13.9	17.8	642	634
TEX	32.0	42.0	31.0	41.5	787	769
U S	137.9	189.6	136.6	189.1	1,000	848
ALL						
ALA	335.0	390.0	333.0	375.0	572	486
ARIZ	381.0	478.0	379.8	477.0	1,342	1,113
ARK	555.0	695.0	550.0	675.0	786	742
CALIF	1,150.9	1,351.8	1,140.9	1,336.8	1,258	1,015
FLA	29.5	33.0	29.0	29.0	646	566
GA	250.0	350.0	245.0	315.0	662	564
KANS	1.0	1.0	.9	.9	480	373
LA	605.0	735.0	600.0	645.0	782	705
MISS	1,020.0	1,230.0	1,010.0	1,190.0	829	736
MO	190.0	240.0	189.0	237.0	838	620
N MEX	80.0	94.8	75.9	86.8	680	694
N C	96.0	126.0	95.0	124.0	495	515
OKLA	420.0	460.0	400.0	435.0	415	334
S C	120.0	145.0	119.0	142.0	428	473
TENN	440.0	535.0	435.0	530.0	700	529
TEX	4,732.0	5,642.0	4,431.0	5,341.5	508	475
VA	1.8	3.2	1.8	3.2	373	510
U S	10,407.2	12,509.8	10,035.3	11,943.2	706	619

SEE FOOTNOTE ON PAGE A-17.

COTTON: PRODUCTION AND BALES GINNED

CROP AND STATE	PRODUCTION IN 480-LB NET WEIGHT BALES 2/		LINT/SEED RATIO 3/		BALES GINNED AS REPORTED BY CENSUS 4/ (480-LB NET WEIGHT)	
	1987	1988 1/	1988		1987	1988 1/
	1,000 BALES				BALES	
UPLAND						
ALA	397.0	380.0			400,557	379,829
ARIZ	849.0	865.0			818,931	830,489
ARK	901.0	1,044.0			903,098	1,041,744
CALIF	2,989.0	2,824.0			3,018,145	2,857,706
FLA	39.0	34.2			5/ 27,480	5/ 19,032
GA	338.0	370.0			341,185	382,182
KANS	.9	.7			5/	5/
LA	977.0	948.0			983,456	955,591
MISS	1,745.0	1,825.0			1,740,662	1,821,567
MO	330.0	306.0			324,399	304,346
N MEX	89.0	102.0			79,703	93,717
N C	98.0	133.0			99,644	136,064
OKLA	346.0	303.0			340,737	293,769
S C	106.0	140.0			104,398	137,700
TENN	634.0	584.0			634,419	583,108
TEX	4,635.0	5,215.0			4,640,042	5,219,370
VA	1.4	3.4				
U S	14,475.3	15,077.3			14,456,856	15,056,214
AMER-PIMA						
ARIZ	213.0	241.0			214,607	243,971
CALIF	2.2	3.2				
N MEX	18.6	23.5			9,736	12,511
TEX	50.8	66.5			59,974	77,267
U S	284.6	334.2			284,317	333,749
ALL						
ALA	397.0	380.0			400,557	379,829
ARIZ	1,062.0	1,106.0	.388		1,033,538	1,074,460
ARK	901.0	1,044.0	.387		903,098	1,041,744
CALIF	2,991.2	2,827.2	.381		3,018,145	2,857,706
FLA	39.0	34.2			5/ 27,480	5/ 19,032
GA	338.0	370.0			341,185	382,182
KANS	.9	.7			5/	5/
LA	977.0	948.0	.385		983,456	955,591
MISS	1,745.0	1,825.0	.382		1,740,662	1,821,567
MO	330.0	306.0			324,399	304,346
N MEX	107.6	125.5			89,439	106,228
N C	98.0	133.0			99,644	136,064
OKLA	346.0	303.0			340,737	293,769
S C	106.0	140.0			104,398	137,700
TENN	634.0	584.0			634,419	583,108
TEX	4,685.8	5,281.5	.371		4,700,016	5,296,637
VA	1.4	3.4				
U S	14,759.9	15,411.5			14,741,173	15,389,963

1/ REVISED. 2/ PRODUCTION GINNED AND TO BE GINNED. 3/ BEGINNING WITH 1988 CROP. ESTIMATES AVAILABLE ONLY FOR THE SIX STATES SHOWN. THREE YEAR AVERAGE. 4/ EQUIVALENT 480-LB NET WEIGHT BALES GINNED, NOT ADJUSTED FOR CROSS-STATE MOVEMENT. 5/ FLA AND KANS COMBINED.

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

CROP AND STATE	PRICE PER POUND		VALUE OF PRODUCTION	
	1987	1988 1/	1987	1988
	DOLLARS		1,000 DOLLARS	
UPLAND				
ALA	0.648	0.529	123,483	96,490
ARIZ	0.657	0.555	267,741	230,436
ARK	0.635	0.530	274,625	265,594
CALIF	0.696	0.635	998,565	860,755
FLA	0.630	0.520	11,794	8,536
GA	0.618	0.543	100,264	96,437
KANS	0.584	0.462	252	155
LA	0.632	0.531	296,383	241,626
MISS	0.636	0.516	532,714	452,016
MO	0.660	0.533	104,544	78,287
N MEX	0.663	0.623	28,323	30,502
N C	0.620	0.540	29,165	34,474
OKLA	0.584	0.462	96,991	67,193
S C	0.591	0.536	30,070	36,019
TENN	0.630	0.530	191,722	148,570
TEX	0.596	0.507	1,325,981	1,269,122
VA	0.620	0.540	417	881
U S	0.637	0.548	4,413,034	3,917,093
AMER-PIMA				
ARIZ	1.040	1.160	106,330	134,189
CALIF	1.040	1.160	1,098	1,782
N MEX	1.030	1.200	9,196	13,536
TEX	1.040	1.120	25,359	35,750
U S	1.040	1.150	141,983	185,257
ALL				
ALA	0.648	0.529	123,483	96,490
ARIZ	0.734	0.687	374,071	364,625
ARK	0.635	0.530	274,625	265,594
CALIF	0.696	0.636	999,663	862,537
FLA	0.630	0.520	11,794	8,536
GA	0.618	0.543	100,264	96,437
KANS	0.584	0.462	252	155
LA	0.632	0.531	296,383	241,626
MISS	0.636	0.516	532,714	452,016
MO	0.660	0.533	104,544	78,287
N MEX	0.726	0.731	37,519	44,038
N C	0.620	0.540	29,165	34,474
OKLA	0.584	0.462	96,991	67,193
S C	0.591	0.536	30,070	36,019
TENN	0.630	0.530	191,722	148,570
TEX	0.601	0.515	1,351,340	1,304,872
VA	0.620	0.540	417	881
U S	0.643	0.555	4,555,017	4,102,350

1/ AVERAGE TO APR 1, 1989.

COTTONSEED: PRODUCTION AND FARM DISPOSITION 1/

STATE:	PRODUCTION		FARM DISPOSITION				USED FOR PLANTING	
			SALES TO OIL MILLS:		OTHER 2/		3/	
	1987	1988	1987	1988	1987	1988	1988	1989
	1,000 TONS							
ALA	150.0	136.0	77.0	94.0	73.0	42.0	4.5	4.1
ARIZ	390.0	433.0	257.0	259.0	133.0	174.0	4.3	4.1
ARK	338.0	404.0	331.0	353.0	7.0	51.0	6.6	6.0
CALIF	1,151.8	1,116.3	722.5	706.8	429.3	409.5	15.5	12.2
FLA	14.4	12.0	14.1	11.8	.3	.2	4/.4	4/.4
GA	122.0	129.0	51.0	71.0	71.0	58.0	4.2	3.6
KS	.4	.3	.3	.2	.1	.1	4/	4/
LA	378.0	363.0	359.0	333.0	19.0	30.0	6.6	5.9
MISS	678.0	712.0	622.0	676.0	56.0	36.0	12.3	11.5
MO	130.0	124.0	114.0	117.0	16.0	7.0	2.5	2.2
N MEX	42.3	49.0	14.5	16.0	27.8	33.0	1.5	1.5
N C	33.0	48.0	16.0	32.0	17.0	16.0	1.1	1.0
OKLA	155.0	117.0	148.0	88.0	7.0	29.0	5.8	5.4
S C	36.0	49.0	20.0	37.0	16.0	12.0	1.0	.9
TENN	235.0	237.0	229.0	232.0	6.0	5.0	5.6	4.7
TEX	1,914.8	2,131.0	1,614.5	1,801.0	300.3	330.0	87.5	77.0
VA	.5	1.2	.2	.8	.3	.4	4/	4/
U S	5,769.2	6,061.8	4,590.1	4,828.6	1,179.1	1,233.2	159.4	140.5

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

STATE	PRICE PER TON		VALUE OF PRODUCTION		VALUE OF SALES TO OIL MILLS	
	1987	1988	1987	1988	1987	1988
	DOLLARS		1,000 DOLLARS		1,000 DOLLARS	
ALA	78.50	105.00	11,775	14,280	6,045	9,870
ARIZ	95.50	129.00	37,245	55,857	24,544	33,411
ARK	71.00	102.00	23,998	41,208	23,501	36,006
CALIF	89.50	147.00	103,086	164,096	64,664	103,900
FLA	80.00	105.00	1,152	1,260	1,128	1,239
GA	85.00	131.00	10,370	16,899	4,335	9,301
KANS	77.00	108.00	31	32	23	22
LA	76.50	113.00	28,917	41,019	27,464	37,629
MISS	75.50	104.00	51,189	74,048	46,961	70,304
MO	71.00	110.00	9,230	13,640	8,094	12,870
N MEX	97.00	125.00	4,103	6,125	1,407	2,000
N C	76.00	122.00	2,508	5,856	1,216	3,904
OKLA	77.00	108.00	11,935	12,636	11,396	9,504
S C	85.00	126.00	3,060	6,174	1,700	4,662
TENN	77.00	111.00	18,095	26,307	17,633	25,752
TEX	82.50	112.00	157,971	238,672	133,196	201,712
VA	76.00	122.00	38	146	15	98
U S	82.50	119.00	474,703	718,255	373,322	562,184

1/ 1987 CROP REVISED, 1988 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.

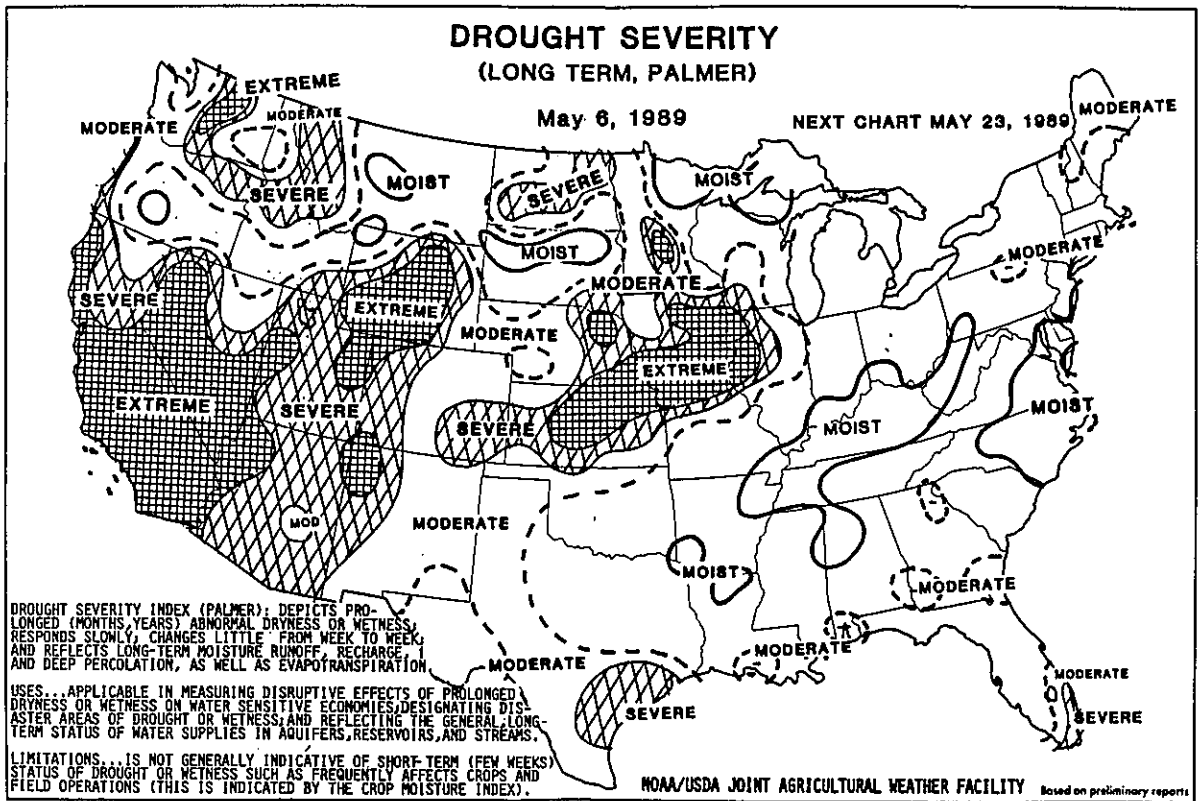
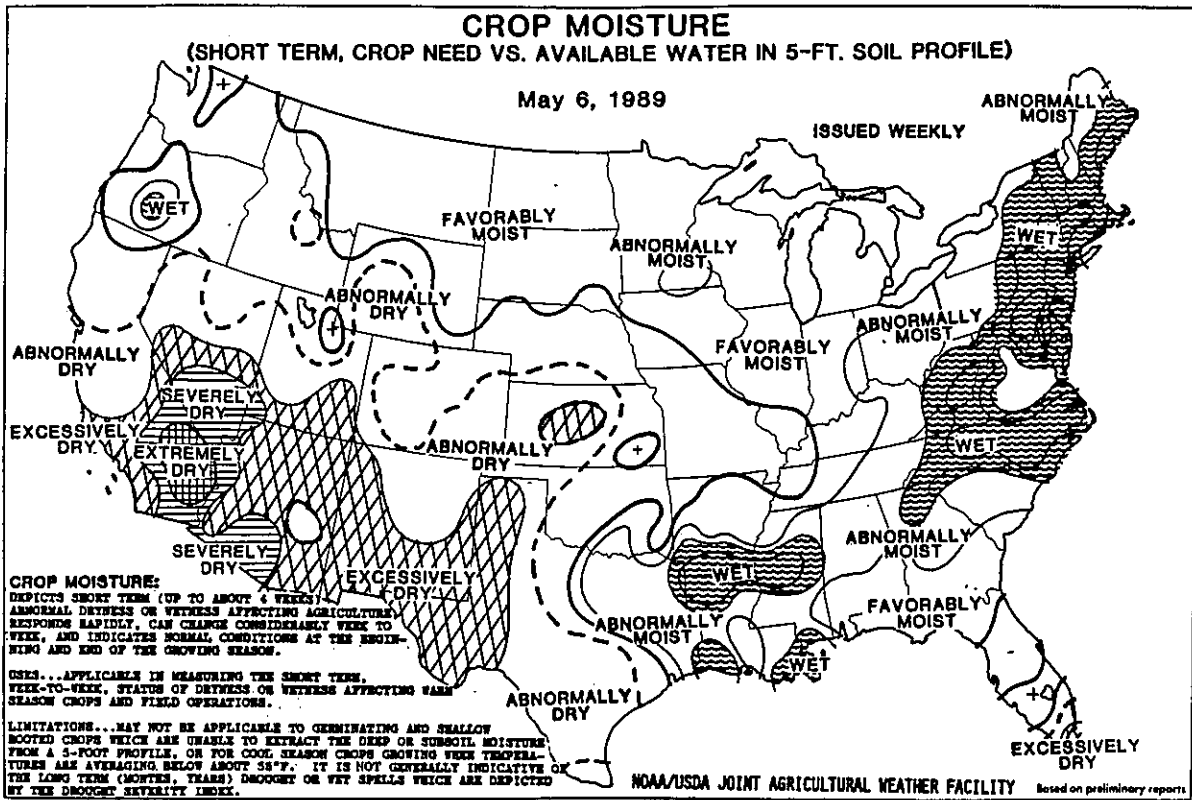
FARM MARKETINGS OF UPLAND COTTON, BY STATES, 1987 MARKETING YEAR,
PERCENT BY MONTHS

STATE:	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
ALA	0.4	1.4	29.8	26.8	11.6	18.2	2.7	1.3	1.5	4.2	1.3	0.8
ARIZ	1.3	6.4	15.8	24.5	22.9	11.9	6.5	1.6	3.4	0.2	5.2	0.3
ARK	0.1	18.2	35.6	31.0	5.4	4.2	0.4	0.9	0.7	1.9	1.2	0.4
CALIF	1.0	6.7	19.2	32.7	15.6	7.0	4.8	3.7	3.4	2.3	2.1	1.5
GA	0.3	2.2	11.5	25.9	15.6	8.2	6.3	6.7	4.9	7.5	9.5	1.4
LA	0.1	4.4	28.2	30.9	9.0	9.3	2.8	2.0	2.7	6.1	4.2	0.3
MISS	0.1	13.3	34.4	24.1	10.6	11.3	2.1	1.3	1.0	1.6	0.2	0.0
OKLA	0.0	0.0	4.2	11.0	24.5	27.4	14.0	8.5	5.3	1.4	2.7	1.0
TENN	0.2	6.6	32.7	35.8	13.6	4.7	1.3	0.9	0.6	2.2	1.1	0.3
TEX	9.0	22.7	6.2	5.8	14.7	13.6	10.6	4.9	2.7	5.1	3.0	1.7
U S	2.6	12.5	21.5	23.0	13.3	10.2	5.2	3.0	2.3	3.2	2.3	0.9

FARM MARKETINGS OF TOBACCO, BY STATES, 1988 MARKETING YEAR,
PERCENT BY MONTHS

STATE	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	TOTAL
CLASS - FLUE-CURED											
FLA	8	46	38	8							100
GA	7	44	38	11							100
N C		34	38	27	1						100
S C		43	39	18							100
VA		22	37	37	4						100
CLASS - FIRE-CURED											
VA					20	67	13				100
KY							46	45	9		100
TENN							27	73			100
CLASS - AIR-CURED											
IND					34	19	46	1			100
KY					36	26	35	3			100
MD 1/ MO					28	33	39				100
N C					50	26	24				100
OHIO					32	15	53				100
PA 1/ TENN					50	33	17				100
VA					53	28	19				100
W VA					28	23	49				100

1/ SALES ARE NOT COMPLETE FOR THE 1988 CROP.



APRIL WEATHER SUMMARY

A stalled frontal system during the latter part of the month was responsible for severe weather but brought much needed rain over the spring wheat regions of the northern Plains, across the Corn Belt, and to the mid-Atlantic coast. At the same time, hot, dry conditions prevailed over the hard red winter wheat in the central and southern Plains. Showers and thunderstorms brought soaking rains into the Southeast and along the Atlantic seaboard throughout the month, while dry weather dominated much of the remainder of the Nation. The West remained abnormally warm. (Prepared by NOAA/USDA Joint Agricultural Weather Facility.)

APRIL FIELDWORK

Rain slowed fieldwork in the eastern Corn Belt, Delta, and Southeast during most of April. During the last week of April, needed rain improved soil moisture conditions in the western Corn Belt and northern Great Plains. The central and southern Great Plains remained dry.

Corn planting lagged slightly behind normal during April. By the third week of April, planting was underway in all of the 17 major producing States except Michigan and South Dakota. Rain slowed planting in the Delta and Southeast in early April. Planting progress was slow in the eastern Corn Belt and Southeast late in the month. By month's end, planting was 25 percent (%) complete, 3 percentage points behind the 5-year average. During the last week of April, producers planted over one-third of their acreage in Illinois, Kansas, and Missouri. Planting progress was 13 points and 22 points behind normal in Indiana and Ohio, respectively. In North Carolina, planting advanced 25 points during the last week of the month but was still 29 points behind normal.

Cotton planting progressed at a near normal pace during April. Lack of moisture slowed growth in the Rio Grande Valley of Texas. Rain slowed planting in the Delta and Southeast. At mid-month, planting was more than 10 points behind normal in Alabama, Georgia, North Carolina, and South Carolina. By April 30, planting was 33% complete, 2 points ahead of normal. Rain continued to slow planting in the Southeast but was near or ahead of normal elsewhere. Planting was 24 points and 36 points behind normal in North Carolina and South Carolina, respectively.

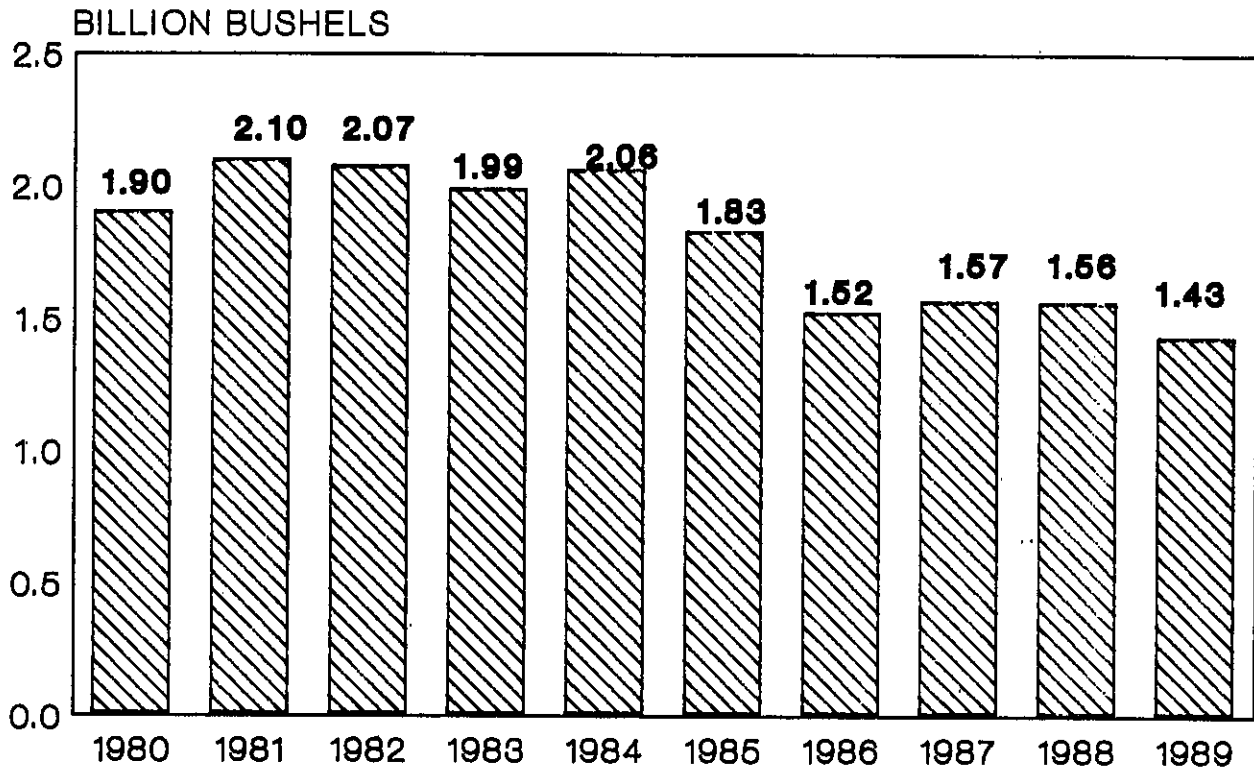
By the end of April, sorghum planting was 20% complete, 1 point ahead of normal. Planting was underway in all major producing States except Kansas and South Dakota.

Rice planting was 57% complete, 5 points ahead of normal by the end of April. Twenty-six percent of the crop was emerged, slightly behind normal. Planting progress was normal or ahead of normal except in Louisiana, where planting was 8 points behind normal.

Soybean planting was just getting started as the month ended.

Spring wheat planting advanced slowly during April. By mid-month, planting was more than 10 points behind normal in four of the five major producing States. By the end of April, planting was 26% complete, 22 points behind normal. Planting progress was more than 20 points behind normal in Minnesota, Montana, and North Dakota. Planting progress was near normal in Idaho and South Dakota.

U.S. WINTER WHEAT PROD 1980-1989



WINTER WHEAT: Production is forecast at 1.43 billion bushels as of May 1, 1989. This is down 8 percent from the 1.56 billion bushels produced in 1988 and is the lowest production level since 1978. Harvested area, at 41.0 million acres, is up 3 percent from last year. However, the current harvested-to-planted ratio of 75.0 percent is the lowest since the 1951 ratio of 71.4 percent. Yield prospects are for an average of 34.9 bushels per acre, down 4.3 bushels from last season. This would be the lowest average yield since 1978.

Conditions point to lower yields than last season in the central and southern Plains, the Southeast and along the Pacific Coast States. Harvested acreage levels are above 1988 with a few exceptions, most notably, Kansas, Montana, New Mexico, Texas, and Washington.

April rainfall in Kansas was 20 percent of normal; the accumulated July '88 - April '89 precipitation total is the lowest since 1976. Much of the wheat in central and western Kansas is heading out at 10-14 inches. Lack of adequate moisture has the Nebraska crop stressed. Conditions in Texas have declined through the spring due to lack of moisture and freeze damage. Wheat in central Texas and the Blacklands did benefit from some recent rainfall.

ORANGES: The U.S. all orange crop is forecast at 208 million boxes for the 1988-89 season, virtually unchanged from the April 1 forecast, but 4 percent above the 1987-88 season. The Florida crop is 144 million boxes, unchanged from April 1, but 5 percent greater than last season. Production of early and mid-season oranges this season in Florida is 85.3 million boxes. Harvest is virtually complete. The Florida Valencia forecast, at 59.0 million boxes, is the same as last month, but 1 percent less than the 1987-88 crop. Harvest is 46 percent complete.

The California Navel forecast is 35.0 million boxes, unchanged from April 1, but 11 percent above the 1987-88 crop. As of May 1, almost 90 percent of California's Navel crop was harvested. California's Valencia forecast is 25.0 million boxes, the same as last month, but 8 percent below last season. Harvest is active throughout the State.

The Texas all orange forecast is 1.85 million boxes, down 3 percent from last month, but 29 percent above last season. Texas harvest is virtually complete.

The all orange forecast for Arizona, which was carried forward from last month, is expected to total 1.55 million boxes, 14 percent less than last season's production.

Changes in U.S. orange production between the May 1 forecast and final production averaged 3.59 million boxes over the past ten seasons, ranging from a low of 400 thousand boxes in the 1984-85 season to a high of 8.75 million boxes in the 1986-87 season.

FLORIDA FROZEN CONCENTRATED JUICE YIELD: The 1988-89 Florida all orange frozen concentrate juice yield forecast remains unchanged at 1.53 gallons per box of 42.0 degrees Brix equivalent. The forecast is projected to estimate the final yield as reported by the Florida Citrus Processors Association.

GRAPEFRUIT: The May 1 U.S. grapefruit forecast, at 70.6 million boxes, is virtually unchanged from last month but is 4 percent above last season. The Florida all grapefruit forecast, at 55.9 million boxes, is virtually unchanged from last month but 4 percent above last year. Florida movement of all grapefruit was very active early in April but slowed considerably as supplies were running low by the end of the month.

The Texas grapefruit forecast, at 4.80 million boxes is down 4 percent from April 1, but 26 percent above last season's production. Harvest is virtually complete.

California "Desert Valley" grapefruit crop forecast, which was carried forward from April 1, is 3.90 million boxes, 7 percent below the 1987-88 level. The California "Other Areas" grapefruit crop forecast, also carried forward from last month, is 4.60 million boxes, down 2 percent from last season.

Arizona's forecast, carried forward from last month, is 1.40 million boxes, 7 percent below 1987-88.

The change in U.S. grapefruit production between the May 1 forecast and final production averaged 675 thousand boxes over the past ten seasons, ranging from a low of 200 thousand boxes in 1982-83 to a high of 2.15 million boxes in the freeze damaged 1981-82 season.

TANGERINES: The U.S. all tangerine forecast of 5.10 million boxes increased 2 percent from last month and is also 2 percent greater than last season. This forecast includes all varieties of tangerines in Florida (Dancy, Robinson, and Honey), as well as production of California and Arizona tangerines.

The Florida forecast is 2.90 million boxes, up 4 percent from April 1 and 18 percent above 1987-88. Arizona and California production forecasts were carried forward at 400 thousand and 1.80 million boxes, respectively.

TANGELOS: The Florida Tangelo crop, excluding K-early citrus fruit, is forecast at 3.80 million boxes, unchanged from the previous month but 10 percent below last season's utilized production. Harvest is virtually complete.

TEMPLES: Florida's Temple forecast of 3.80 million boxes is unchanged from the previous month, but is 7 percent above last season's utilized production.

CALIFORNIA FRUITS & NUTS: Cultivation, irrigation, fertilization, and insect control were active during April. Apple bloom was complete. Avocado harvest was active with good quality fruit reported. Date pollination was completed. Grape plantings grew vigorously with berries sizing nicely. Measures to control leafhoppers, mites, weeds, and mildew were active during April. Above normal temperatures caused early variety stonefruit to mature rapidly. By the end of the month, picking of stonefruit in the Coachella Valley had begun. Thinning of stonefruit was active in other areas of the State. Grapefruit and lemon harvests continued. Navel orange picking was winding down. Sizes have been small. Valencia orange harvest continued slowly, also with small sized fruit. The almond crop was sizing well, but the set appeared light. Other nut crops were developing normally.

FLORIDA CITRUS: The majority of Florida's groves and trees continued in good condition throughout April. Rainfall was generally less than normal in all areas of the Citrus Belt. There was constant use of irrigation to maintain adequate tree condition during the post-bloom period when the new crop of fruit was setting. The warm spring-like weather produced an abundance of new growth on trees of all ages. Valencia orange harvest steadily increased in April to almost five and three quarters million boxes for the last week of April. Movement of all grapefruit was very active the first of the month but slowed considerably as supplies were running low at the end of the month. Honey tangerine and Temple harvests were virtually completed for this season by the last week of April. Caretakers have been very active cultivating cover crops. Herbicides and post-bloom nutritional sprays are being applied in all locations.

TEXAS CITRUS: The 1988-89 citrus season is virtually complete in Texas. Yields were above early expectations and quality remained good throughout the season. The fruit set for the 1989-90 crop is turning out to be more varied than originally thought. Fruit sizes range from golfball size on groves that bloomed early to matchhead size on later groves. This variation was caused by the hot weather that allowed for a longer than normal bloom cycle. Irrigation continues as most of the Valley remains dry.

PAPAYAS: Hawaii fresh papaya production is forecast at 5.70 million pounds in May, 31 percent higher than May 1988. June production is expected to climb to 6.00 million pounds with July following closely at 6.20 million pounds. August output is anticipated to hold at the 6.20 million pound level.

April fresh utilization is estimated at 5.96 million pounds, up 15 percent from March and 37 percent higher than last April. Year-to-date fresh sales lead the same January-April period of 1988 by 37 percent. Heavy rainfall during the first and last weeks of April slowed farm activities in some areas. Mid-month weather conditions were favorable for papaya production with a mixture of light rainfall and sunshine.

April crop area totaled 4210 acres, virtually unchanged from March but 1 percent higher than April 1988. Harvested area in April totaled 2390 acres, 2 percent less than March but 10 percent more than a year earlier.

SWEET CHERRIES: The first forecast of California sweet cherries is 27.0 thousand tons, 4 percent more than 1988 but 40 percent less than 1987. The crop is progressing well. The harvest of Burlats has started with production expected to be below normal. Harvest of Bings is expected to start in mid-May. Fruit should size well and quality is expected to be good.

FLORIDA AVOCADOS: Total production of Florida avocados for the 1988-89 season was 27.0 thousand tons, 7 percent less than the previous crop year. The average price per ton was \$436.00, 40 percent above the 1987-88 average price. Bearing acreage was estimated at 10.9 thousand acres, down from the previous season's 11.3 thousand acres.

ALMONDS: The initial forecast of the 1989 California almond crop is 450 million pounds shelled basis, 24 percent below last year's crop and 32 percent below the 1987 record production.

The 1989 California almond crop is sizing well, with some almond orchards developing ahead of normal due to the early season warm temperatures. Nut set is varied throughout the State with southern California's set appearing to be normal, while the set in northern California is below normal due to heavy rains during bloom.

SPRING POTATOES: Production of spring potatoes is forecast at 20.1 million cwt., up 1 percent from last year and 14 percent above 1987. Area for harvest is set at 85.3 thousand acres, up 8 percent from last year and 6 percent above two years ago. The average yield is down 7 percent because of early spring frost damage.

In Florida, harvest in the Hastings area is in progress, with digging for chip contracts just starting. Elsewhere in Florida, harvest is past its peak, with yields turning out a little below earlier expectations. Alabama growers began harvest in late April with peak movement expected in late May. North Carolina fields are wet, leaving growers uncertain as to yields.

Early fields in Texas Rio Grande Valley were hurt by the late February frost and expected yields now are on the low side. Later digging should improve. In the Knox-Haskell area, winds and dry conditions have slowed growth and irrigation is active. Arizona growers expect a good return on their spring potatoes. Harvest is underway in California for some growers; others are waiting for better skin set on tubers.

PASTURE AND RANGE FEED CONDITION: The pasture and range feed condition on May 1 for the 48 contiguous States was 68 percent, 5 points below May 1 last year and 11 points below the 1978-87 average for the date. Conditions were more favorable than last year in 22 States, less favorable in 24 States, and unchanged in 2 States.

Conditions east of the Mississippi River, except for Wisconsin, were poor to fair or good to excellent, with most States in the good to excellent range. On the west coast, California, Idaho, Oregon, and Washington were in the good to excellent range.

From North Dakota to Texas conditions were in the severe drought and very poor ranges. This reflects the lack of moisture during the winter and spring months in these States. Four States--Kansas, Nebraska, New Mexico, and North Dakota are starting the season with severe drought conditions.

HAY STOCKS ON FARMS: May 1 stocks of hay on farms totaled 17.6 million tons, 36 percent below the May 1 level a year ago and 46 percent less than the May 1, 1987 quantity held. The smaller stocks this year reflect last year's drought reduced hay crop. May 1, 1989 stocks represent 13.9 percent of the hay produced in 1988. A year earlier, stocks represented 18.3 percent of the previous crop.

TOBACCO, 1988 REVISED: Production of all tobacco totaled 1.37 billion pounds for 1988, 15 percent above the 1987 output. Increased production of flue-cured, burley, dark fire-cured, and dark air-cured types was only partially offset by decreases for cigar types. The higher production from a year earlier was the combined result of both more acreage and higher yields. Area harvested, at 635 thousand acres, was up 8 percent from 1987. Average yield, at 2,158 pounds per acre, was 130 pounds above the previous year's average.

FLUE-CURED production of 813 million pounds was 18 percent above 1987. Growers harvested 366 thousand acres, 13 percent more than last year. The average yield of 2,219 pounds per acre was 90 pounds greater than a year earlier. Percentage increases in production by types were: type 11, 23 percent; type 12, 18 percent; type 13, 9 percent; and type 14, 20 percent.

Output of BURLEY tobacco totaled 477 million pounds, 14 percent higher than in 1987. Growers harvested 226 thousand acres, 5 percent more than last year. Yield averaged 2,109 pounds per acre, an increase of 166 pounds from a year ago.

FIRE-CURED production in 1988, at 30.7 million pounds, rose 11 percent from a year earlier. Yield per acre, at 2,271 pounds, was up 281 pounds but area harvested was down 2 percent.

Output of DARK AIR-CURED types reached 7.52 million pounds, 8 percent above the 1987 total. Yield of 2,218 pounds per acre represented an increase of 286 pounds from a year ago but acreage harvested decreased 6 percent.

All CIGAR-TYPE production totaled 22.5 million pounds, a decline of 10 percent from a year ago. Filler production decreased 12 percent and binder types were off 14 percent, but the wrapper total was 33 percent above 1987.

COTTON, 1988 REVISED: United States cotton production totaled 15.4 million bales in 1988, a 4 percent increase over 1987 and the largest crop since 1981 when 15.6 million bales were produced. Upland accounted for 15.1 million bales of the total 1988 crop and American-Pima 334 thousand bales. The American-Pima crop set a new record high, 17 percent above the previous record in 1987.

Planted area of all cotton, at 12.5 million acres, was 20 percent above 1987. Harvested area, at 11.9 million acres, was 19 percent above 1987. Abandonment in 1988 was 4.5 percent of the planted area compared with 3.6 percent the previous year. Yields averaged 619 pounds per harvested acre, down 87 pounds from the 1987 record yield of 706 pounds per acre, but 67 pounds above the 1986 yield.

The 1988 crop began with dry conditions generally prevailing, but moisture conditions slowly improved. Yields were lower in all States compared to 1987, except for New Mexico, North Carolina, South Carolina, and Virginia.

The Bureau of the Census reported 14,984,537 running bales ginned (15,389,963 equivalent 480-pound net weight bales) during the 1988 season, compared with 14,358,531 running bales (14,741,173 equivalent 480-pound net weight bales) ginned in 1987.

The preliminary 1988 marketing year average price received by farmers for lint is 55.5 cents per pound, down 8.80 cents from 1987. Value of lint for the 1988 crop totaled \$4.10 billion, down 10 percent from 1987.

COTTONSEED: Cottonseed production in 1988 totaled 6.06 million tons, up 5 percent from 1987. The preliminary 1988 marketing year price received is \$119.00 per ton compared with \$82.50 in 1987. Value of cottonseed for the 1988 crop totaled \$718 million, up 51 percent from the previous year.

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 * NOTICE *
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 * The next issue of this report will be published June 12, 1989 and will *
 * include: *
 * *
 * Winter wheat indicated area harvested, yield, production, and produc- *
 * tion by classes (U.S.) as of June 1; indicated production of peaches, *
 * Bartlett pears (Pacific Coast States), cherries (Western States), *
 * apricots, nectarines, plums (California), prunes (California), almonds *
 * and 1988-89 citrus fruits; papaya acreage and production; area har- *
 * vested, yield, and production of spring potatoes; condition of pastures *
 * and ranges, sugarbeet pulp, and products of cane harvested for sugar; *
 * area harvested for hops. *
 * *
 * Revisions for acreage, yield, and production of 1988 sugarbeets and *
 * sugarcane, production of beet and cane sugar, and cane molasses. Re- *
 * vised planted and harvested acres, yield, and production for 1988 *
 * sweetpotatoes. Revised 1988 production of Bartlett pears (Pacific *
 * Coast States) and prunes (California). *
 * *****