
Crop Production



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Department of
Agriculture

Fact Finding
for Agriculture
Since 1863

Agricultural
Statistics
Board

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HIGHLIGHTS

ALL COTTON production as of January 1, is forecast at 12.2 million bales, down 21 percent from 1988, but up 1 percent from the December 1 forecast. A 21 percent drop in harvested area and a slightly lower upland cotton yield, account for this decrease. In the Delta States and in Texas, harvest was completed ahead of normal and open weather prior to harvest in the Delta, resulted in a larger production than was expected earlier in the season.

CITRUS production is forecast at 9.63 million tons, 18 percent lower than last month and 25 percent below the 1988-89 season. This significant reduction is due mostly to the severe freezing temperatures in the Florida and Texas citrus belts. Fruit droppage is increasing in all areas of Florida. Texas fresh market citrus harvest has ended. It is too early to determine if there is significant wood damage or tree loss in either State.

ORANGE production is forecast at 158 million boxes, down 19 percent from December 1 and 24 percent below last season. This decline is due mostly to Florida's 29 percent decrease from last month and 37 percent decline from last season. The severe freeze in Florida's citrus belt on December 24-25 further reduced an already short orange crop.

ALL GRAPEFRUIT production, including California's Desert grapefruit but excluding California's "Other Areas" crop, is 45.6 million boxes, 16 percent below the December 1 forecast and 30 percent less than last season. This decline is due mostly to the freezing weather in Florida and Texas during late December. Most remaining fruit will be utilized as juice.

WINTER WHEAT area seeded for 1990 is expected to total 57.0 million acres, up 3 percent from 1989. This would be the largest winter wheat area since the 1985 crop.

* **NOTICE** *
* *
* This publication contains revised Valencia and total orange estimates *
* for California and the United States. Revised total citrus estimates *
* are also shown for California and the United States. *
* *
* This report contains winter wheat and rye planted seedings acres. In *
* the past this data was issued in a separate report titled WINTER WHEAT*
* AND RYE SEEDINGS. Durum wheat seedings for Arizona and California are*
* included in this report for the first time. *

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

CROP	1988-89	INDICATED 1989-90	
		DEC 1, 1989	JAN 1, 1990
1,000 BOXES			
ORANGES	208,950	194,350	157,950
LEMONS	20,000		19,500

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

COTTON - AREA PLANTED AND HARVESTED

CROP	AREA PLANTED		AREA HARVESTED	
	1988	IND 1989	1988	IND 1989
1,000 ACRES				
ALL COTTON	12,514.8	10,560.7	11,948.2	9,489.3
UPLAND	12,325.2	10,186.7	11,759.1	9,119.8
AMER-PIMA	189.6	374.0	189.1	369.5

COTTON AND COTTONSEED - YIELD PER ACRE AND PRODUCTION

CROP AND UNIT	YIELD PER ACRE 1/		PRODUCTION 2/			
	1988	INDICATED 1989	1988	INDICATED		
				DEC 1, 1989	JAN 1, 1990	
1,000						
ALL COTTON	BALE	619	619	15,411.5	12,083.4	12,233.3
UPLAND	"	615	609	15,077.3	11,429.4	11,570.3
AMER-PIMA	"	848	861	334.2	654.0	663.0
COTTONSEED	TON			6,061.8	4,706.0	4,766.2


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

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

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WINTER POTATOES

AREA PLANTED		:	AREA HARVESTED			
1989	:	IND 1990	:	1989	:	IND 1990
1,000 ACRES						
13.1	:	13.5	:	13.1	:	13.2
YIELD PER ACRE		:	PRODUCTION			
1989	:	IND 1990	:	1989	:	IND 1990
CWT				1,000 CWT		
211	:	180	:	2,764	:	2,371

HAY STOCKS ON FARMS

DATE	:	1988	:	1989
	:	1,000 TONS		
MAY 1	:	27,074	:	17,507
DEC 1	:	90,312	:	101,158

WINTER WHEAT AND RYE SEEDINGS
UNITED STATES SUMMARY
(DOMESTIC UNITS)

ITEM	AREA SEEDED			AREA SEEDED AS % OF		
	CROP OF			PREVIOUS YEAR		
	1988	1989	1990	1988	1989	1990
	1,000 ACRES			PERCENT		
WINTER WHEAT	48,800	55,091	56,972	99.99	112.89	103.41
RYE	2,374	2,014	1,862	97.78	84.84	92.45

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

CROP	1988-89	INDICATED 1989-90	
		DEC 1, 1989	JAN 1, 1990
METRIC TONS			
ORANGES	8,115,670	7,506,050	6,005,560
LEMONS	688,550		672,220

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

COTTON - AREA PLANTED AND HARVESTED

CROP	AREA PLANTED		AREA HARVESTED	
	1988	IND 1989	1988	IND 1989
HECTARES				
ALL COTTON	5,064,620	4,273,810	4,835,320	3,840,220
UPLAND	4,987,890	4,122,460	4,758,790	3,690,690
AMER-PIMA	76,730	151,350	76,530	149,530

COTTON AND COTTONSEED - YIELD PER HECTARE AND PRODUCTION

CROP AND UNIT	YIELD PER HECTARE		PRODUCTION		
	1988	INDICATED 1989	1988	DEC 1, 1989	JAN 1, 1990
METRIC TONS					
ALL COTTON	.69	.69	3,355,440	2,630,840	2,663,470
UPLAND	.69	.68	3,282,680	2,488,450	2,519,120
AMER-PIMA	.95	.97	72,760	142,390	144,350
COTTONSEED			5,499,170	4,269,210	4,323,820

WINTER POTATOES

AREA PLANTED		:	AREA HARVESTED			
1989	:	IND 1990	:	1989	:	IND 1990
HECTARES						
5,300		5,460		5,300		5,340
YIELD PER HECTARE		:	PRODUCTION			
1989	:	IND 1990	:	1989	:	IND 1990
METRIC TONS						
23.65		20.14		125,370		107,550

HAY STOCKS ON FARMS

DATE	:	1988	:	1989
METRIC TONS				
MAY 1	:	24,561,120		15,882,080
DEC 1	:	81,929,670		91,768,990

WINTER WHEAT AND RYE SEEDINGS
UNITED STATES SUMMARY
(METRIC UNITS)

ITEM	AREA SEEDED CROP OF			AREA SEEDED AS % OF PREVIOUS YEAR CROP OF							
	1988	:	1989	:	1990	:	1988	:	1989	:	1990
HECTARES			PERCENT								
WINTER WHEAT	19,748,870		22,294,780		23,056,000		99.99		112.89		103.41
RYE	960,730		815,050		753,530		97.78		84.84		92.45

COTTON

STATE	AREA PLANTED			AREA HARVESTED		
	1987	1988	1989	1987	1988	1989
1,000 ACRES						
UPLAND						
ALA	335.0	390.0	350.0	333.0	375.0	340.0
ARIZ	290.0	350.0	240.0	289.0	349.0	239.0
ARK	555.0	695.0	610.0	550.0	675.0	595.0
CALIF	1,150.0	1,350.0	1,050.0	1,140.0	1,335.0	1,040.0
FLA	29.5	33.0	25.5	29.0	29.0	25.0
GA	250.0	350.0	270.0	245.0	315.0	265.0
KANS	1.0	1.0	1.5	.9	.9	1.2
LA	605.0	735.0	645.0	600.0	645.0	620.0
MISS	1,020.0	1,230.0	1,050.0	1,010.0	1,190.0	1,020.0
MO	200.0	245.0	214.0	199.0	242.0	209.0
N MEX	66.0	77.0	61.0	62.0	69.0	55.0
N C	96.0	126.0	112.0	95.0	124.0	110.0
OKLA	400.0	460.0	380.0	385.0	435.0	330.0
S C	120.0	145.0	120.0	119.0	142.0	118.0
TENN	440.0	535.0	455.0	435.0	530.0	450.0
TEX	4,700.0	5,600.0	4,600.0	4,400.0	5,300.0	3,700.0
VA	1.8	3.2	2.7	1.8	3.2	2.6
U S	10,259.3	12,325.2	10,186.7	9,893.7	11,759.1	9,119.8
AMER-PIMA						
ARIZ	91.0	128.0	245.0	90.8	128.0	244.5
CALIF	.9	1.8	19.0	.9	1.8	19.0
N MEX	14.0	17.8	30.0	13.9	17.8	30.0
TEX	32.0	42.0	80.0	31.0	41.5	76.0
U S	137.9	189.6	374.0	136.6	189.1	369.5
ALL						
ALA	335.0	390.0	350.0	333.0	375.0	340.0
ARIZ	381.0	478.0	485.0	379.8	477.0	483.5
ARK	555.0	695.0	610.0	550.0	675.0	595.0
CALIF	1,150.9	1,351.8	1,069.0	1,140.9	1,336.8	1,059.0
FLA	29.5	33.0	25.5	29.0	29.0	25.0
GA	250.0	350.0	270.0	245.0	315.0	265.0
KANS	1.0	1.0	1.5	.9	.9	1.2
LA	605.0	735.0	645.0	600.0	645.0	620.0
MISS	1,020.0	1,230.0	1,050.0	1,010.0	1,190.0	1,020.0
MO	200.0	245.0	214.0	199.0	242.0	209.0
N MEX	80.0	94.8	91.0	75.9	86.8	85.0
N C	96.0	126.0	112.0	95.0	124.0	110.0
OKLA	400.0	460.0	380.0	385.0	435.0	330.0
S C	120.0	145.0	120.0	119.0	142.0	118.0
TENN	440.0	535.0	455.0	435.0	530.0	450.0
TEX	4,732.0	5,642.0	4,680.0	4,431.0	5,341.5	3,776.0
VA	1.8	3.2	2.7	1.8	3.2	2.6
U S	10,397.2	12,514.8	10,560.7	10,030.3	11,948.2	9,489.3

COTTON

STATE	YIELD			PRODUCTION 1/		
	1987	1988	1989	1987	1988	1989
	POUNDS			1,000 BALES 2/		
UPLAND						
ALA	572	486	551	397.0	380.0	390.0
ARIZ	1,410	1,190	1,326	849.0	865.0	660.0
ARK	786	742	686	901.0	1,044.0	850.0
CALIF	1,259	1,015	1,223	2,989.0	2,824.0	2,650.0
FLA	646	566	653	39.0	34.2	34.0
GA	662	564	634	338.0	370.0	350.0
KANS	480	373	400	.9	.7	1.0
LA	782	705	677	977.0	948.0	875.0
MISS	829	736	734	1,745.0	1,825.0	1,560.0
MO	796	607	618	330.0	306.0	269.0
N MEX	689	710	698	89.0	102.0	80.0
N C	495	515	611	98.0	133.0	140.0
OKLA	431	334	262	346.0	303.0	180.0
S C	428	473	631	106.0	140.0	155.0
TENN	700	529	505	634.0	584.0	473.0
TEX	506	472	376	4,635.0	5,215.0	2,900.0
VA	373	510	609	1.4	3.4	3.3
U S	702	615	609	14,475.3	15,077.3	11,570.3
AMER-PIMA						
ARIZ	1,126	904	893	213.0	241.0	455.0
CALIF	1,173	853	960	2.2	3.2	38.0
N MEX	642	634	672	18.6	23.5	42.0
TEX	787	769	808	50.8	66.5	128.0
U S	1,000	848	861	284.6	334.2	663.0
ALL						
ALA	572	486	551	397.0	380.0	390.0
ARIZ	1,342	1,113	1,107	1,062.0	1,106.0	1,115.0
ARK	786	742	686	901.0	1,044.0	850.0
CALIF	1,258	1,015	1,218	2,991.2	2,827.2	2,688.0
FLA	646	566	653	39.0	34.2	34.0
GA	662	564	634	338.0	370.0	350.0
KANS	480	373	400	.9	.7	1.0
LA	782	705	677	977.0	948.0	875.0
MISS	829	736	734	1,745.0	1,825.0	1,560.0
MO	796	607	618	330.0	306.0	269.0
N MEX	680	694	689	107.6	125.5	122.0
N C	495	515	611	98.0	133.0	140.0
OKLA	431	334	262	346.0	303.0	180.0
S C	428	473	631	106.0	140.0	155.0
TENN	700	529	505	634.0	584.0	473.0
TEX	508	475	385	4,685.8	5,281.5	3,028.0
VA	373	510	609	1.4	3.4	3.3
U S	706	619	619	14,759.9	15,411.5	12,233.3

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

COTTONSEED

STATE	PRODUCTION		
	1987	1988	1989
	1,000 TONS		
ALA	150.0	136.0	143.8
ARIZ	390.0	433.0	421.7
ARK	338.0	404.0	323.1
CALIF	1,151.8	1,116.3	1,048.1
FLA	14.4	12.0	12.1
GA	122.0	129.0	123.6
KANS	.4	.3	.4
LA	378.0	363.0	335.9
MISS	678.0	712.0	604.9
MO	130.0	124.0	108.8
N MEX	42.3	49.0	47.7
N C	33.0	48.0	49.8
OKLA	155.0	117.0	74.3
S C	36.0	49.0	54.0
TENN	235.0	237.0	184.7
TEX	1,914.8	2,131.0	1,232.1
VA	.5	1.2	1.2
U S	5,769.2	6,061.8	4,766.2

POTATOES

SEASONAL GROUP AND STATE	AREA				YIELD		PRODUCTION		
	PLANTED		HARVESTED						
	1989	IND 1990	1989	IND 1990	1989	IND 1990	1988	1989	IND 1990
	1,000 ACRES				CWT		1,000 CWT		
WINTER									
CALIF	5.5	5.5	5.5	5.5	240	235	1,196	1,320	1,293
FLA	7.6	8.0	7.6	7.7	190	140	1,420	1,444	1,078
TOTAL	13.1	13.5	13.1	13.2	211	180	2,616	2,764	2,371
SPRING 1/									
ALA	5.5		5.4		240		662	1,296	
ARIZ	5.8		5.8		315		1,246	1,827	
CALIF	21.0		21.0		375		7,546	7,875	
FLA									
HASTINGS	28.5		28.0		195		6,228	5,460	
OTHER	7.5		7.0		200		525	1,400	
LA	.4		.3		90		20	27	
N C	16.2		15.6		140		2,736	2,184	
TEX	7.4		5.8		135		1,147	783	
TOTAL	92.3		88.9		235		20,110	20,852	

1/ 1989 REVISED.

PAPAYAS - HAWAII

MONTH	AREA				FRESH PRODUCTION		
	TOTAL IN CROP		HARVESTED				
	1988	1989	1988	1989	1988	1989	FORECAST 1990
	ACRES				1,000 POUNDS		
NOV	4,665	4,025	2,420	2,750	5,665	6,540	
DEC	4,720	4,065	2,410	2,745	5,890	6,070	
JAN		4,530		2,415		4,395	4,000
FEB		4,425		2,525		4,350	3,100
MAR		4,205		2,445		5,165	4,700
APR		4,210		2,390		5,955	5,400
CUMULATIVE FRESH PRODUCTION JAN-DEC					57,010	65,515	

HAY STOCKS ON FARMS

STATE	MAY 1		DECEMBER 1	
	1988	1989	1988	1989
	1,000 TONS			
ALA	132	285	1,125	1,232
ARIZ	41	27	133	115
ARK	482	468	1,337	1,560
CALIF	339	173	2,163	1,875
COLO	809	435	2,374	1,898
CONN	21	38	113	111
DEL	5	9	41	49
FLA	69	104	421	383
GA	238	314	953	1,199
IDAHO	901	310	3,648	2,183
ILL	570	563	1,986	2,398
IND	360	112	1,233	1,774
IOWA	1,341	1,014	4,732	5,121
KANS	1,023	725	3,571	4,046
KY	739	534	3,277	4,676
LA	97	107	624	601
MAINE	72	66	270	269
MD	114	113	484	421
MASS	44	49	154	145
MICH	532	549	2,405	2,811
MINN	1,482	626	4,594	4,800
MISS	286	234	1,170	1,248
MO	914	712	4,274	6,358
MONT	1,179	307	2,706	3,800
NEBR	1,236	1,042	4,557	4,176
NEV	207	67	668	658
N H	35	32	125	107
N J	40	49	136	147
N MEX	67	77	383	567
N Y	820	798	2,818	3,177
N C	112	112	614	859
N DAK	1,298	446	2,309	2,960
OHIO	557	531	1,878	2,322
OKLA	847	668	3,734	4,020
OREG	366	159	1,591	1,243
PA	968	867	3,195	3,155
R I	5	4	11	11
S C	94	116	378	310
S D	2,699	1,173	4,614	4,505
TENN	378	350	2,075	2,904
TEX	1,665	696	5,778	7,570
UTAH	395	283	1,176	1,013
VT	168	122	493	513
VA	324	405	1,802	2,180
WASH	394	312	1,700	1,351
W VA	132	133	667	984
WIS	2,011	891	3,813	5,737
WYO	466	300	2,009	1,616
U S	27,074	17,507	90,312	101,158

REVISED VALENCIA AND TOTAL ORANGE ESTIMATES FOR
CALIFORNIA AND THE UNITED STATES

STATE, CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION					
			FRESH	PROCESSED	TOTAL			
	ACRES	BOXES	1,000 BOXES 1/					
CALIFORNIA NAVEL AND MISC 1988-89	105,000	324	25,900	8,100	34,000			
VALENCIA 1988-89*	66,800	371	14,700	10,100	24,800			
ALL 1988-89*	171,800	342	40,600	18,200	58,800			
U S EARLY, MIDSEASON: AND NAVEL 1988-89	322,700	375	32,857	88,193	121,050			
VALENCIA 1988-89*	260,900	337	18,970	68,930	87,900			
TOTAL 1988-89*	583,600	358	51,827	157,123	208,950			
			PRICE PER BOX 2/ 3/		VALUE OF PRODUCTION			
			FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
			DOLLARS			1,000 DOLLARS		
CALIFORNIA NAVEL AND MISC 1988-89	9.34	0.79	7.30	241,906	6,399	248,305		
VALENCIA 1988-89*	11.44	2.16	7.66	168,168	21,816	189,984		
ALL 1988-89*	10.10	1.55	7.45	410,074	28,215	438,289		
U S EARLY, MIDSEASON: AND NAVEL 1988-89	9.41	7.73	8.14	308,706	671,978	980,684		
VALENCIA 1988-89*	10.87	9.15	9.49	207,083	618,564	825,647		
TOTAL 1988-89*	9.94	8.35	8.71	515,789	1,290,542	1,806,331		

1/ SEE PAGE 12 FOR NET WEIGHT PER BOX. 2/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS. 3/ U S SEASON AVERAGE PRICES ARE DERIVED BY WEIGHTING THE STATE SEASON AVERAGE PRICES PER BOX BY THE RESPECTIVE BOX WEIGHTS. * REVISED.

REVISED TOTAL CITRUS FOR CALIFORNIA AND THE UNITED STATES

CROP, STATE AND SEASON	BEARING ACREAGE	PRODUCTION	UTILIZATION OF PRODUCTION:		VALUE OF PRODUCTION
			FRESH	PROCESSED	
	ACRES		1,000 TONS		1,000 DOLLARS
TOTAL CITRUS					
CALIFORNIA 1988-89*	247,900	3,176	2,151	1,025	709,478
U S 1988-89*	843,400	13,200	4,173	9,027	2,615,055

* REVISED.

CITRUS FRUIT 1/

CROP AND STATE	PRODUCTION BOXES			PRODUCTION TON EQUIVALENT		
	UTILIZED		INDICATED:	UTILIZED		INDICATED
	1987-88	1988-89	1989-90	1987-88	1988-89	1989-90
	1,000 UNITS 2/			1,000 UNITS		
ORANGES, EARLY MID & NAVEL 3/:						
ARIZ	610	550	500	23	21	19
CALIF	31,500	34,000	38,000	1,182	1,275	1,425
FLA	78,500	85,300	60,000	3,532	3,839	2,700
TEX	940	1,200	1,100	40	51	47
U S	111,550	121,050	99,600	4,777	5,186	4,191
ORANGES, VALENCIA						
ARIZ	1,210	1,150	1,200	45	43	45
CALIF 4/:	27,500	24,800	25,000	1,031	930	938
FLA	59,500	61,300	32,000	2,677	2,759	1,440
TEX	490	650	150	21	28	6
U S 4/:	88,700	87,900	58,350	3,774	3,760	2,429
ALL ORANGES						
ARIZ	1,820	1,700	1,700	68	64	64
CALIF 4/:	59,000	58,800	63,000	2,213	2,205	2,363
FLA	138,000	146,600	92,000	6,209	6,598	4,140
TEX	1,430	1,850	1,250	61	79	53
U S 4/:	200,250	208,950	157,950	8,551	8,946	6,620
TEMPLES						
FLA	3,550	3,750	2,000	160	169	90
GRAPEFRUIT, WHITE SEEDLESS						
FLA	29,200	27,700	18,500	1,241	1,177	786
GRAPEFRUIT, COLORED: SEEDLESS						
FLA	21,900	23,700	17,000	930	1,007	723
OTHER GRAPEFRUIT						
FLA	2,750	3,350	2,500	117	142	106
ALL GRAPEFRUIT						
ARIZ	1,950	1,950	1,900	63	63	61
CALIF 5/:						
DESERT	4,200	3,500	3,700	134	112	118
OTHER AREAS	4,900	5,000		164	168	
TOTAL	9,100	8,500		298	280	
FLA	53,850	54,750	38,000	2,288	2,326	1,615
TEX	3,800	4,800	2,000	152	192	80
U S	68,700	70,000		2,801	2,861	
TANGERINES 6/:						
ARIZ	600	650	650	23	25	24
CALIF	2,090	2,040	1,750	78	76	66
FLA	2,450	2,900	1,700	117	138	80
U S	5,140	5,590	4,100	218	239	170
LEMONS						
ARIZ	3,650	3,800	3,000	139	144	114
CALIF	17,000	16,200	16,500	646	615	627
U S	20,650	20,000	19,500	785	759	741
TANGELOS						
FLA	4,200	3,800	3,000	189	171	135

1/ THE CROP YEAR BEGINS WITH THE BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH YEAR HARVEST IS COMPLETED. 2/ NET LBS. PER BOX: ORANGES-CALIF & ARIZ-75, FLA-90, TEX-85; GRAPEFRUIT-CALIF DESERT & ARIZ-64, CALIF OTHER-67, FLA-85, TEX-80; LEMONS-76; TANGELOS & TEMPLES-90; TANGERINES-CALIF & ARIZ-75, FLA-95. 3/ NAVEL AND MISCELLANEOUS VARIETIES IN CALIFORNIA AND ARIZONA. EARLY AND MIDSEASON VARIETIES IN FLORIDA AND TEXAS, INCLUDING SMALL QUANTITIES OF TANGERINES IN TEXAS. 4/ 1988-89 CROP REVISED. 5/ THE FIRST FORECAST FOR CALIF GRAPEFRUIT "OTHER AREAS" WILL BE AS OF APR 1. 6/ FLORIDA "ALL TANGERINES" INCLUDE SUNBURST TANGERINES BEGINNING WITH THE 1989-90 SEASON.

WINTER WHEAT

STATE	AREA SEEDED 1/			
	CROP OF			1990
	1988	1989	1990	1989
	1,000 ACRES			PERCENT
ALA	270	300	300	100
ARIZ	36	35	40	114
ARK	1,120	1,300	1,400	108
CALIF	530	625	625	100
COLO	2,500	2,700	2,700	100
DEL	65	80	65	81
FLA	75	80	85	106
GA	575	800	700	88
IDAHO	820	880	900	102
ILL	1,300	1,850	2,100	114
IND	840	940	1,020	109
IOWA	60	80	80	100
KANS	10,200	12,400	12,400	100
KY	550	630	650	103
LA	300	390	470	121
MD	180	230	200	87
MICH	650	660	770	117
MINN	75	135	130	96
MISS	500	525	600	114
MO	1,650	1,970	2,150	109
MONT	2,450	2,500	2,700	108
NEBR	2,300	2,550	2,500	98
NEV	8	7	7	100
N J	35	43	35	81
N MEX	520	550	520	95
N Y	95	135	150	111
N C	510	680	600	88
N DAK	250	100	250	250
OHIO	1,000	1,260	1,450	115
OKLA	7,000	7,300	7,600	104
OREG	700	840	920	110
PA	175	220	230	105
S C	320	460	475	103
S DAK	1,700	1,600	2,000	125
TENN	530	540	560	104
TEX	6,300	6,700	6,500	97
UTAH	160	165	155	94
VA	230	300	330	110
WASH	1,850	2,100	2,200	105
W VA	11	16	15	94
WIS	140	200	195	97
WYO	220	215	195	89
U S	48,800	55,091	56,972	103

1/ TOTAL AREA SEEDED FOR ALL PURPOSES.

RYE				
STATE	AREA SEEDED 1/			
	CROP OF			1990
	1988	1989	1990	1989
	1,000 ACRES			PERCENT
COLO	18	25	15	60
DEL	18	17	13	76
GA	350	320	330	103
ILL	60	50	40	80
IND	50	45	40	89
IOWA	30	25	30	120
KANS	40	45	40	89
KY	45	50	55	110
MD	58	40	44	110
MICH	135	120	135	113
MINN	75	60	55	92
MO	25	25	25	100
NEBR	250	160	110	69
N J	60	47	55	117
N Y	100	80	75	94
N C	140	150	100	67
N DAK	130	45	35	78
OHIO	40	40	40	100
OKLA	130	100	100	100
OREG	15	20	25	125
PA	70	70	70	100
S C	75	80	60	75
S DAK	120	100	75	75
TEX	150	90	100	111
VA	150	140	125	89
WIS	40	70	70	100
U S	2,374	2,014	1,862	92

1/ TOTAL AREA SEEDED FOR ALL PURPOSES.

DURUM WHEAT				
STATE	AREA SEEDED			
	1988	1989	IND 1990	1990/1989
	1,000 ACRES			PERCENT
ARIZ	51	85	55	65
CALIF	60	106	65	61
MINN	45	30	1/	
MONT	280	340	1/	
N DAK	2,800	3,100	1/	
S DAK	100	130	1/	
U S	3,336	3,791	1/	

1/ TO BE PUBLISHED IN "PROSPECTIVE PLANTINGS" RELEASED MARCH 30, 1990.

DECEMBER HARVESTING PROGRESS

Rain slowed cotton harvest in the Southeast in early December. By mid-month, harvest was complete in Arizona and California. In the Plains area of Texas, light snow slowed harvest during the third week of December. By the end of December, cotton harvest was complete in Texas and the Southeast. Corn harvest continued in the eastern Corn Belt early in December and was complete by mid-month. Rain slowed soybean harvest in the Delta and Southeast early in the month but harvest was virtually complete by mid-December.

DECEMBER WEATHER SUMMARY

December 1989 was marked by brutally cold weather east of the Rockies and extreme dryness in the West. Brownsville, TX, and at least 27 cities in the northeastern quarter of the Nation reported their coldest December ever. During Christmas week, the unprecedented cold air in the Central States spread southward and eastward, causing severe damage to the winter vegetable crops and citrus groves in the lower Rio Grande Valley and central and southern Florida. At month's end, temperatures rose rapidly over the eastern half of the country and melted much of the snow cover.

WINTER WHEAT

Lack of moisture stressed winter wheat in the central and southern Great Plains during December. Some reseeded occurred in the Blacklands area of Texas early in December. Seeding was still underway in California and the Southeast as the month began. In mid-to-late December, cold weather stressed winter wheat in the southern Great Plains, Delta, and Southeast. Adequate snow cover protected winter wheat in the central and northern Great Plains, and the Corn Belt. Warm weather during the last week of December melted snow cover in most of the Great Plains and portions of the Corn Belt, leaving winter wheat vulnerable to freeze damage. Seeding was complete in the Southeast at the end of the month.

ALL COTTON: The January 1 forecast of all cotton production is 12.2 million bales, down 21 percent from last year's production, but up 1 percent from the December 1 forecast. Of the total, Upland is expected to account for 11.6 million bales while Pima production will be a record high 663 thousand bales. Total area for harvest is estimated at 9.49 million acres, down 21 percent from 1988. Yield is expected to average 619 pounds per acre, equal to the previous year, but up 11 pounds from December 1.

Upland cotton production in Texas and Oklahoma is forecast at 3.08 million bales, 44 percent below 1988, but up 3 percent from December 1. In Texas, cotton harvest neared completion by late December, well ahead of normal and last year. With an earlier than normal freeze during October and good harvest conditions, harvest progressed at a rapid pace.

The Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) expect to produce 4.03 million bales, down 14 percent from last year, virtually unchanged from December 1. The crop was planted late due to excessive rainfall, and some fields were lost. Harvest was behind the average pace in this region until late in the fall, but was completed in Mississippi and Arkansas during December. Louisiana's harvest was completed during late November.

Production in the Western States (Arizona, California, and New Mexico) is expected to total 3.39 million bales, down 11 percent from 1988. The yield in this region is expected to average 1,220 pounds per acre, 182 pounds above the 1988 yield. The Arizona and California crops were in good to excellent condition during the season, and harvest was completed in these two States during December.

The forecast in the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina) puts production at 1.04 million bales, 1 percent above the 1988 production. Yield in this region is expected to average 596 pounds per acre, up from the 514 pounds per acre realized last year. Although plantings were delayed in many areas due to wet conditions, favorable weather with low humidity late in the season allowed the top bolls to mature. Harvest continued almost uninterrupted, and more than one trip through fields was possible.

Bureau of Census reports, 11,557,974 running bales ginned prior to January 1, compared with 14,247,965 running bales for the same date last year and 13,273,932 running bales in 1987.

COTTONSEED: Production for 1989, based on a 3 year average lint-seed ratio, is expected to total 4.77 million tons, down 21 percent from the 1988 production of 6.06 million tons.

WINTER POTATOES: Production for 1990 is forecast at 2.37 million cwt a drop of 14 percent from 1989 and 9 percent below 1988. Acreage for harvest is up 1 percent but a sharply lower yield forecast in Florida is responsible for the down turn.

The Florida crop was hit by frost about Christmas time cutting back yield potential. Some early fields had been harvested but major damage occurred on acreage that would have been harvested in January. California growers put in the same acreage as a year ago with yields at this point expected to be almost as good as last year.

SPRING POTATOES, 1989 REVISED: Spring 1989 potato production is set at 20.9 million cwt, up 4 percent from the previous year and 10 percent above 1987. Growers harvested 88.9 thousand acres, a gain of 11 percent from 1988, and 7 percent above 1987. Frost damage in Texas and Florida cut the average yield to 235 cwt per acre down 7 percent from 1988 but 3 percent better than 1987.

PAPAYAS: Fresh Papaya production from Hawaii is forecast at 4.00 million pounds for January, 9 percent lower than January 1989. Output for February is anticipated to total 3.10 million pounds, followed by increases in the next two months. Production for March and April is forecast at 4.70 million pounds and 5.40 million pounds, respectively.

Fresh utilization is estimated at 6.07 million pounds for December, 7 percent lower than November but 3 percent higher than a year ago. Cumulative fresh sales for 1989 were 15 percent more than 1988.

Weather conditions during December were mostly favorable for Papaya production. Gusty winds one weekend did light damage to some orchards. Clear skies were predominant with rainfall less than normal for the month. Progress of newly planted fields is expected to be slow due to low moisture. The low rainfall has kept disease incidence down.

Area in production for December totaled 4065 acres, 1 percent more than November but 14 percent less than December 1988. Harvested area, totaling 2745 acres for December, was virtually unchanged from the previous month but 14 percent more than a year ago.

ORANGES: U.S. all orange production is forecast at 158 million boxes, down 19 percent from December 1 and 24 percent less than last season. All oranges in Florida are forecast at 92.0 million boxes, down 29 percent from December 1 and 37 percent less than last season's crop. Early and mid-season varieties in Florida, at 600 million boxes, are down 17 percent from December 1 forecast and 30 percent less than last season. Harvest of early's and mid's varieties is 46 percent complete as compared with 35 percent a year earlier. The Florida Valencia forecast is 32.0 million boxes, down 45 percent from December 1 and 48 percent less than last season.

The California all orange crop is forecast at 63.0 million boxes, up 3 percent from December 1 and 7 percent more than last season. The California Navel crop, at 38.0 million boxes, is up 6 percent from December 1 and 12 percent more than the crop harvested in 1988-89. Navel harvest in California is about 27 percent complete. The forecast for the California Valencia crop, at 25.0 million boxes, is unchanged from December 1 and up 1 percent from last season's revised estimate of 24.8 million boxes.

Arizona's all orange forecast, at 1.70 million boxes, is up 21 percent from the October 1 forecast but unchanged from last season. The freeze stricken Texas all orange crop is forecast at 1.25 million boxes, down 36 percent from the last forecast and 32 percent below last season.

Changes in U.S. production between the January 1 forecast and final production have averaged 16.1 million boxes over the past ten seasons, ranging from 680 thousand boxes in 1982-83 to 43.2 million boxes in 1981-82. A freeze in Florida during January 1982 was the major cause for the 43.2 million box difference between the January 1, 1982 forecast and final production for 1981-82.

HAY STOCKS ON FARMS: Hay stocks on farms totaled 101 million tons on December 1, 1989. This is 12 percent more than on hand a year earlier but 14 percent below the holdings on December 1, 1987. The low stocks of a year ago reflected the drought reduced crop of 1988 while the current hay crop is of a more normal size. Disappearance of hay during the May 1, 1989 to December 1, 1989 period totaled 61.8 million tons. This compares with 62.8 million tons during the same period a year earlier.

FLORIDA FROZEN CONCENTRATED JUICE YIELD: The 1989-90 forecast of yield for all Frozen Concentrated Orange Juice for Florida is 1.30 gallons per box at 42.0 degrees Brix. This is down from earlier projections of 1.48 gallons per box, reflecting losses from the late December freeze. The forecast is projected to estimate the final yield as reported by the Florida Citrus Processors Association. The 1988-89 yield for all fruit used in FCOJ was 1.53 gallons per box at 42.0 degrees Brix.

GRAPEFRUIT: The U.S. prospects for the 1989-90 season, including California's "Desert" grapefruit but excluding California's "Other Areas" grapefruit, indicates a crop of 45.6 million boxes, 30 percent below the previous season and 16 percent less than the December 1 forecast. Production for the California "Other Areas" crop, which will be forecast as of April 1, 1990, accounted for 5.00 million boxes last season. The California "Desert Valley" crop forecast is 3.70 million boxes, 6 percent above last season. The Florida all grapefruit forecast is 38.0 million boxes, 14 percent below the December 1 forecast and 31 percent less than last season. Harvest in Florida is 32 percent complete. Arizona's forecast is 1.90 million boxes, 10 percent below the October 1 forecast and 3 percent less than last season. In Texas, the forecast is 2.00 million boxes, 55 percent below last month and 58 percent less than the 1988-89 season.

LEMONS: Production in Arizona and California is expected to total 19.5 million boxes, down 1 percent from the October 1 forecast and 2 percent below last season's utilized production. California's forecast continues at 16.5 million boxes, 2 percent above the 1988-89 season. Overall, the 1989-90 lemon crop looks good. The Central Valley region had light spotty frost damage early in the season, but damage was minor and limited primarily to the exterior of the fruit. The Southern California region experienced very dry weather. The fruit is holding color, but lacking growth. The Desert Valley region harvest is nearly complete. The crop was light and quality was average. Harvest is 28 percent complete in California.

The Arizona forecast is 3.00 million boxes, 6 percent below the October 1 forecast and 21 percent less than last season's utilized crop. Groves are in good condition, however, numerous infestations of thrips have been reported. Approximately 86 percent of Arizona Lemon crop had been harvested by January 1.

TANGELOS: The Florida crop, excluding K-early citrus fruit, at 3.00 million boxes, is down 14 percent from December 1 and 21 percent below the 1988-89 crop. Harvest is 68 percent complete.

TANGERINES: The U.S. production forecast is 4.10 million boxes, down 14 percent from the previous forecast and 27 percent less than last season's utilized crop. Harvest remains active in Florida, Arizona, and California. This forecast includes the Dancy, Robinson, Honey, and Sunburst varieties of tangerines in Florida, as well as production of California and Arizona tangerines. Florida Sunburst tangerines beginning with the 1989-90 season are included in the State and U.S. totals. Production estimates shown for previous seasons do not include this new varietal tangerine.

The Florida forecast is 1.70 million boxes, down 26 percent from December 1, and 41 percent below 1988-89. The California crop forecast remains at 1.75 million boxes, down 14 percent from last season. The Arizona crop forecast is 650 thousand boxes, 7 percent below the October 1 forecast and unchanged from the 1988-89 utilized production.

TEMPLES: The Florida forecast is 2.00 million boxes, down a third from December 1, and 47 percent below last season. Harvest is just beginning.

ARIZONA CITRUS: As of January 1, Arizona citrus groves were reported to be in mostly good to excellent condition. There has been no severe weather damage this winter but there are some scattered reports of citrus thrip infestations. Fruit quality is mostly good in the central and western producing regions with harvest reported to be very active.

FLORIDA CITRUS: There was a severe freeze in Florida's citrus belt December 24-25, 1989. An arctic cold front brought the coldest temperatures since the early eighties. Temperatures may have been at or below 27 degrees for the longest duration in many years. There were several rain showers the first of the week prior to the cold blast that greatly improved grove and tree condition. Also, many growers operated their microjet irrigation for freeze protection. Ice of varying quantities was found in the majority of orange samples cut Sunday morning, December 24. By the end of December, there was some defoliation starting in the cold pockets and low areas. Fruit droppage is increasing in all areas. It is too early to determine if there is significant wood damage or tree loss.

TEXAS CITRUS: The December 1989 freeze ended any further fresh market harvest in Texas. Processing plants were busy with fruit salvaged for juice. Packing sheds finished shipping what they had in the shed, and then turned their attention to picking fruit for juice. A large amount of fresh fruit was picked the week of the 18th in anticipation of the cold weather; however it was impossible to get it all. Temperatures were under 26 degrees for several hours. The coldest temperatures were on the morning of December 23rd. Estimates of tree damage vary across the Rio Grande Valley. Grove care companies and growers are still assessing damage. It will be a while before full damage is known. A rapid warm up after the 23rd caused much fruit to go bad before crews were able to pick.

CALIFORNIA FRUIT & NUTS: Routine cultural practices continued throughout the State in vineyards and orchards. Principal activities were pruning, floor clean-up, herbicide spraying, and fertilizer application. Avocado harvest was active while both kiwi and olive harvests were completed in December. Navel oranges continued to be picked with good quality and below normal sizes being reported. Harvesting of Desert lemons, grapefruit, and tangerines gained momentum. Satsuma tangerines continued to be harvested. Heavy fog and cold weather in much of northern California slowed field activities late in the month.

WINTER WHEAT AND RYE SEEDINGS

WINTER WHEAT: Area seeded for 1990 is expected to total 57.0 million acres, up 3 percent from 1989. This would be the largest winter wheat area since the 1985 crop.

Seeding of the 1990 crop started last August in a few States, including Colorado, Texas, and Washington. By September 1, about 3 percent of the intended acreage was seeded. Planting progressed to 98 percent completion as of December 1, 1989. At that time most of the remaining intended acreage was in California, Georgia, North Carolina, and Texas.

Colorado's winter wheat went in under generally favorable conditions. Frequent rains in August provided the moisture for germination and emergence. Dryness has since persisted, resulting in poor stands and short wheat. Wet fields kept Kansas growers behind schedule through September. As fields dried out, seeding progressed ahead of average in October. Dryness has continued and the crop condition has declined from good or better to mostly fair-to-good by December 1. Secondary root development is poor in many stands. There was minimal snow cover in central and western Kansas during the December cold snap. Favorable moisture early on, got the Texas seedings started well. Moisture has been short since early fall, reducing the area from the 1989 estimate. Seeding progressed at about a normal phase in South Dakota; fall rains aided germination. Wyoming's winter wheat needs additional moisture.

Seeded area in the Pacific Northwest (Idaho, Oregon, and Washington) is up 5 percent from 1989. Michigan seedings are up 17 percent and were virtually complete by the end of October.

The Arkansas to Ohio Winter Wheat Belt is up a collective 11 percent from 1989, ranging from Arkansas 8 percent upturn to Ohio's 15 percent jump. Some late seeded Indiana fields emerged slowly due to cool, damp weather; most area had snow cover in December. Missouri farmers got mostly all the intended acreage in. Dryness has factored into the condition in some northern areas of the State.

The dry conditions that aided seeding of California's irrigated wheat, delayed dryland seeding. Emerged dryland wheat needs rain.

Seeded area in the "Desert" Durum areas of Arizona and California is expected to total 55 and 65 thousand acres, respectively. Both acreages are down from 1989.

About 80 percent of Arizona's Durum was seeded by January 1. Water restrictions are of concern. California's acreage was about 70 percent seeded as of January 1. The emerged crop was in good to excellent condition. Seeding should wrap-up by mid-February.

RYE: Seeded area for 1990 is placed at 1.86 million acres, down 8 percent from 1989. This is a new record low seeded area. Acreage is down in the Dakotas, Minnesota, and Nebraska. Area is up in Georgia and Michigan.

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 * *
 * **The next issue of this report will be published February 9,** *
 * **1990 and will include indicated production of 1989-90 citrus** *
 * **fruits; papaya acreage and production; area harvested, yield,** *
 * **and production of winter potatoes as of February 1.** *
