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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

ALL COTTON production is forecast at 14.3 million bales, 47 percent above the 1986 crop and 2 percent above November 1. The 90 percent confidence interval for this production forecast is 13.8 to 14.7 million bales.

ALL DRY EDIBLE BEAN production is forecast at 25.6 million cwt (1.16 million metric tons), up 12 percent from last year and 16 percent above two years ago.

BURLEY TOBACCO production is forecast at 453 million pounds (206 thousand metric tons), 11 percent above 1986 but 2 percent below the November 1 forecast.

ALL ORANGE production is forecast at 186 million boxes (7.23 million metric tons), up 2 percent from both October 1 and last season.

GRAPEFRUIT production, excluding California's "other areas" crop, is 60.4 million boxes (2.26 million metric tons), unchanged from October 1 but 4 percent higher than last season.

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\* The next issue of this report will be published January 11, 1988 \*

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

CROP	AREA PLANTED		AREA HARVESTED	
	1986	1987	1986	INDICATED 1987
	1,000 ACRES			
ALL COTTON	10,044.6	10,415.7	8,468.4	9,869.9
UPLAND	9,933.1	10,286.7	8,357.3	9,742.1
AMER-PIMA	111.5	129.0	111.1	127.8
DRY EDIBLE BEANS 1/	1,673.8	1,760.6	1,495.0	1,668.4
BURLEY TOBACCO			210.7	225.3

1/ 1986 REVISED.

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

CROP AND UNIT	YIELD PER ACRE			PRODUCTION	
	1986	INDICATED 1987	1986	NOV 1, 1987	DEC 1, 1987
	1,000				
ALL COTTON BALE 1/	552	695	9,731.1	13,936.4	14,281.4
UPLAND " 1/	547	692	9,525.2	13,698.9	14,038.9
AMER-PIMA " 1/	890	911	205.9	237.5	242.5
COTTONSEED TON			3,801	5,480	5,621
DRY EDIBLE BEANS 2/					
CWT 1/	1,531	1,536	22,886	25,874	25,623
BURLEY TOBACCO LB	1,936	2,012	407,922	461,395	453,295
PECANS "			272,700	4/291,000	255,600
CITRUS FRUITS 3/			1986-87	1987-88	1987-88
ORANGES BOX			182,225	4/183,400	186,400

1/ YIELD IN POUNDS. 2/ 1986 REVISED. 3/ SEASON BEGINS WITH THE BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH THE COMPLETION OF HARVEST THE FOLLOWING YEAR. 4/ OCTOBER 1, 1987.

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.

A P P R O V E D:

*Evea Wilson*

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

CROP	AREA PLANTED		AREA HARVESTED	
	1986	1987	1986	INDICATED 1987
	HECTARES			
ALL COTTON	4,064,950	4,215,130	3,427,080	3,994,250
UPLAND	4,019,830	4,162,920	3,382,120	3,942,530
AMER-PIMA	45,120	52,210	44,960	51,720
DRY EDIBLE BEANS 1/	677,370	712,500	605,010	675,180
BURLEY TOBACCO			85,270	91,180

1/ 1986 REVISED.

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

CROP	YIELD PER HECTARE		PRODUCTION		
	1986	INDICATED 1987	1986	NOV 1, 1987	DEC 1, 1987
	METRIC TONS				
ALL COTTON	0.62	0.78	2,118,690	3,034,280	3,109,390
UPLAND	0.61	0.78	2,073,860	2,982,570	3,056,590
AMER-PIMA	1.00	1.02	44,830	51,710	52,800
COTTONSEED			3,448,210	4,971,370	5,099,290
DRY EDIBLE BEANS 1/	1.72	1.72	1,038,090	1,173,620	1,162,230
BURLEY TOBACCO	2.17	2.25	185,030	209,280	205,610
PECANS			123,690	3/131,990	115,940
CITRUS FRUITS 2/			1986-87	1987-88	1987-88
ORANGES			7,018,890	3/7,129,560	7,231,170

1/ 1986 REVISED. 2/ SEASON BEGINS WITH THE BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH THE COMPLETION OF HARVEST THE FOLLOWING YEAR. 3/ OCTOBER 1, 1987.

COTTON

CROP AND STATE	AREA HARVESTED		YIELD		PRODUCTION 1/		
	1986	IND 1987	1986	IND 1987	1985	1986	IND 1987
	1,000 ACRES		POUNDS		1,000 BALES 2/		
UPLAND							
ALA	313.0	333.0	506	591	545.0	330.0	410.0
ARIZ	249.0	308.0	1,301	1,309	928.0	675.0	840.0
ARK	480.0	585.0	602	738	703.0	602.0	900.0
CALIF	990.0	1,120.0	1,088	1,200	3,114.0	2,245.0	2,800.0
FLA 3/	19.0	23.5	707	735	32.5	28.0	36.0
GA	195.0	245.0	455	666	370.0	185.0	340.0
KANS 3/	1.0	.9	336	587	.4	.7	1.1
LA	570.0	600.0	567	792	742.0	673.0	990.0
MISS	1,000.0	1,010.0	571	832	1,655.0	1,190.0	1,750.0
MO	160.0	189.0	588	825	204.0	196.0	325.0
N MEX	50.0	62.0	595	658	71.0	62.0	85.0
N C	81.0	94.0	646	511	117.0	109.0	100.0
OKLA	350.0	390.0	288	431	285.0	210.0	350.0
S C	113.0	120.0	370	440	180.0	87.0	110.0
TENN	335.0	410.0	567	761	419.0	396.0	650.0
TEX	3,450.0	4,250.0	353	491	3,910.0	2,535.0	4,350.0
VA 3/	1.3	1.7	554	508	1.2	1.5	1.8
U S	8,357.3	9,742.1	547	692	13,277.1	9,525.2	14,038.9
AMER-PIMA							
ARIZ	73.8	84.8	965	991	108.7	148.3	175.0
N MEX	11.1	12.0	718	700	11.3	16.6	17.5
TEX	26.2	31.0	751	774	35.1	41.0	50.0
U S	111.1	127.8	890	911	155.1	205.9	242.5
ALL							
ALA	313.0	333.0	506	591	545.0	330.0	410.0
ARIZ	322.8	392.8	1,224	1,240	1,036.7	823.3	1,015.0
ARK	480.0	585.0	602	738	703.0	602.0	900.0
CALIF	990.0	1,120.0	1,088	1,200	3,114.0	2,245.0	2,800.0
FLA 3/	19.0	23.5	707	735	32.5	28.0	36.0
GA	195.0	245.0	455	666	370.0	185.0	340.0
KANS 3/	1.0	.9	336	587	.4	.7	1.1
LA	570.0	600.0	567	792	742.0	673.0	990.0
MISS	1,000.0	1,010.0	571	832	1,655.0	1,190.0	1,750.0
MO	160.0	189.0	588	825	204.0	196.0	325.0
N MEX	61.1	74.0	617	665	82.3	78.6	102.5
N C	81.0	94.0	646	511	117.0	109.0	100.0
OKLA	350.0	390.0	288	431	285.0	210.0	350.0
S C	113.0	120.0	370	440	180.0	87.0	110.0
TENN	335.0	410.0	567	761	419.0	396.0	650.0
TEX	3,476.2	4,281.0	356	493	3,945.1	2,576.0	4,400.0
VA 3/	1.3	1.7	554	508	1.2	1.5	1.8
U S	8,468.4	9,869.9	552	695	13,432.2	9,731.1	14,281.4

1/ PRODUCTION GINNED AND TO BE GINNED. 2/ 480-LB. NET WEIGHT BALES.  
 3/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

COTTONSEED

STATE	PRODUCTION		
	1985	1986	IND 1987
	1,000 TONS		
U S	5,279	3,801	5,621

BURLEY TOBACCO

STATE AND TYPE	AREA HARVESTED		YIELD		PRODUCTION		
	1986	IND 1987	1986	IND 1987	1985	1986	IND 1987
	ACRES		POUNDS		1,000 POUNDS		
TYPE 31							
IND	5,900	6,000	2,050	2,100	14,560	12,095	12,600
KY	140,000	145,000	2,050	2,125	395,250	287,000	308,125
MO 1/	2,100	2,000	2,090	2,150	5,450	4,389	4,300
N C	7,600	8,500	1,900	1,800	18,662	14,440	15,300
OHIO	7,100	7,200	1,840	1,700	15,265	13,064	12,240
TENN	39,000	46,000	1,590	1,800	99,470	62,010	82,800
VA	7,400	8,800	1,660	1,700	21,280	12,284	14,960
W VA 1/	1,600	1,800	1,650	1,650	3,384	2,640	2,970
U S	210,700	225,300	1,936	2,012	573,321	407,922	453,295

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

AREA PLANTED, DRY EDIBLE BEANS

STATE	1986 1/	1987	STATE	1986 1/	1987
	1,000 ACRES			1,000 ACRES	
CALIF	157.0	172.0	NEB	215.0	230.0
COLO	191.0	185.0	N MEX 2/		11.0
IDAHO	140.0	152.0	N Y	33.0	29.0
KANS	24.0	26.0	N DAK	290.0	330.0
MICH	480.0	470.0	UTAH	9.0	6.8
MINN	65.0	75.0	WASH	32.0	36.0
MONT	4.8	5.8	WYO	33.0	32.0
			U S	1,673.8	1,760.6

1/ REVISED. 2/ ESTIMATES BEGIN WITH 1987 CROP.

AREA PLANTED, DRY EDIBLE LIMA BEANS

STATE	1986 1/	1987
1,000 ACRES		
LARGE LIMA - CALIF	19.0	22.0
BABY LIMA - CALIF	30.0	22.0

1/ REVISED.

DRY EDIBLE BEANS 1/

CROP AND STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1986 2/	IND 1987	1986 2/	IND 1987	1985	1986 2/	IND 1987
	1,000 ACRES		POUNDS		1,000 CWT		
LARGE LIMA CALIF	18.5	21.0	2,080	2,100	931	385	441
BABY LIMA CALIF	29.5	21.0	2,160	2,310	674	637	485
OTHER CALIF	107.0	126.0	1,720	1,740	1,958	1,840	2,192
ALL CALIF	155.0	168.0	1,846	1,856	3,563	2,862	3,118
COLO	185.0	180.0	1,460	1,450	2,665	2,701	2,610
IDAHO	139.0	148.0	1,960	1,900	2,006	2,724	2,812
KANS	23.0	25.0	1,650	1,450	272	380	363
MICH	340.0	440.0	800	1,260	5,412	2,720	5,544
MINN	61.0	74.0	1,650	1,600	868	1,007	1,184
MONT	4.5	5.7	2,160	2,190	57	97	125
NEBR	205.0	197.0	2,100	1,780	2,794	4,305	3,507
N MEX 3/		11.0		1,930			212
N Y	31.0	28.0	1,400	1,500	297	434	420
N DAK	280.0	319.0	1,550	1,350	3,010	4,340	4,307
UTAH	8.5	6.7	480	700	40	41	47
WASH	31.0	35.0	2,160	2,250	710	670	788
WYO	32.0	31.0	1,890	1,890	481	605	586
U S	1,495.0	1,668.4	1,531	1,536	22,175	22,886	25,623

1/ EXCLUDES BEANS GROWN FOR GARDEN SEED. 2/ REVISED. 3/ ESTIMATES BEGIN WITH 1987 CROP.

CITRUS FRUIT 1/

CROP AND STATE	PRODUCTION BOXES			PRODUCTION TON EQUIVALENT		
	UTILIZED		INDICATED	UTILIZED		INDICATED
	1985-86	1986-87	1987-88	1985-86	1986-87	1987-88
	1,000 UNITS 2/			1,000 UNITS		
ORANGES, EARLY MID & NAVEL 3/						
ARIZ 4/	600	950	750	23	36	28
CALIF	33,000	34,500	28,000	1,238	1,294	1,050
FLA	64,200	65,800	72,000	2,889	2,961	3,240
TEX	200	500	850	9	22	36
U S	98,000	101,750	101,600	4,159	4,313	4,354
ORANGES, VALENCIA						
ARIZ 4/	1,700	2,200	2,300	64	83	86
CALIF	20,900	24,000	24,000	784	900	900
FLA	55,000	53,900	58,000	2,475	2,425	2,610
TEX	110	375	500	5	16	21
U S	77,710	80,475	84,800	3,328	3,424	3,617
ALL ORANGES						
ARIZ 4/	2,300	3,150	3,050	87	119	114
CALIF	53,900	58,500	52,000	2,022	2,194	1,950
FLA	119,200	119,700	130,000	5,364	5,386	5,850
TEX	310	875	1,350	14	38	57
U S	175,710	182,225	186,400	7,487	7,737	7,971
TEMPLES						
FLA	2,950	3,400	3,400	133	153	153
GRAPEFRUIT, WHITE SEEDLESS						
FLA	25,600	26,900	27,000	1,088	1,143	1,148
GRAPEFRUIT, COLORED SEEDLESS						
FLA	18,000	20,000	20,500	765	850	871
SEEDY GRAPEFRUIT						
FLA	3,150	2,900	3,500	134	123	149
ALL GRAPEFRUIT						
ARIZ 4/	2,400	2,200	2,100	77	70	67
CALIF 4/ 5/						
DESERT	3,600	4,200	4,200	115	134	134
OTHER AREAS	4,500	4,900		151	164	
TOTAL	8,100	9,100		266	298	
FLA	46,750	49,800	51,000	1,987	2,116	2,168
TEX	220	1,925	3,100	9	77	124
U S	57,470	63,025		2,339	2,561	
TANGERINES						
ARIZ 4/	700	700	500	26	26	19
CALIF 4/	1,800	2,230	1,500	68	83	56
FLA 6/	1,950	2,340	2,200	93	111	105
U S 6/	4,450	5,270	4,200	187	220	180
LEMONS 4/						
ARIZ	3,250	7,100	5,200	123	270	198
CALIF	15,100	21,500	18,500	574	817	703
U S	18,350	28,600	23,700	697	1,087	901
TANGELOS						
FLA	2,950	4,000	4,000	133	180	180

1/ THE CROP YEAR BEGINS WITH THE BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH YEAR HARVEST IS COMPLETED. 2/ NET LBS PER BOX: ORANGES-CALIF & ARIZ-75, FLA-90, TEX-85; GRAPEFRUIT-CALIF DESERT & ARIZ-64, CALIF OTHER-67, FLA-85, TEX-80; LEMONS-76; TANGELOS & TEMPLES-90; TANGERINES-CALIF & ARIZ-75, FLA-95. 3/ NAVEL AND MISCELLANEOUS VARIETIES IN CALIFORNIA AND ARIZONA. EARLY AND MIDSEASON VARIETIES IN FLORIDA AND TEXAS, INCLUDING SMALL QUANTITIES OF TANGERINES IN TEXAS. 4/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST. 5/ THE FIRST FORECAST FOR CALIF GRAPEFRUIT "OTHER AREAS" WILL BE AS OF APR 1. 6/ PER PROGRAM MODIFICATION FLA ALL TANGERINES INCLUDE HONEY TANGERINES BEGINNING WITH 1987-88 SEASONS. ESTIMATES FOR PREVIOUS SEASONS ARE REVISED TO INCLUDE THE HONEY VARIETY.

PECANS

CROP AND STATE	PRODUCTION		
	UTILIZED		IND 1987
	1985	1986	
	1,000 POUNDS		
IMPROVED 1/			
ALA	9,600	9,600	16,500
ARK	1,000	900	1,100
FLA	1,600	3,100	3,100
GA	74,000	100,000	90,000
LA	2,000	4,000	2,500
MISS	3,500	4,500	5,500
N MEX	29,000	27,000	27,000
N C 2/	400	1,800	1,400
OKLA	1,500	1,500	1,500
S C	900	3,250	3,500
TEX	29,000	27,000	20,000
U S	152,500	182,650	172,100
NATIVE & SEEDLING			
ALA	6,400	6,400	5,500
ARK	700	300	500
FLA	1,200	2,400	2,400
GA	9,000	20,000	15,000
LA	13,000	26,000	13,500
MISS	3,000	3,000	3,500
N C 2/	600	2,200	1,600
OKLA	8,500	13,500	13,500
S C	500	3,250	3,000
TEX	49,000	13,000	25,000
U S	91,900	90,050	83,500
ALL			
ALA	16,000	16,000	22,000
ARK	1,700	1,200	1,600
FLA	2,800	5,500	5,500
GA	83,000	120,000	105,000
LA	15,000	30,000	16,000
MISS	6,500	7,500	9,000
N MEX	29,000	27,000	27,000
N C 2/	1,000	4,000	3,000
OKLA	10,000	15,000	15,000
S C	1,400	6,500	6,500
TEX	78,000	40,000	45,000
U S	244,400	272,700	255,600

1/ BUDDED, GRAFTED, OR TOPWORKED VARIETIES.

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

PAPAYAS - HAWAII

MONTH	AREA				FRESH PRODUCTION		
	TOTAL IN CROP		HARVESTED		1986	1987	FORECAST 1987-88
	1986	1987	1986	1987			
	ACRES				1,000 POUNDS		
OCT	4,050	4,070	2,375	2,500	5,805	6,090	
NOV	4,025	4,095	2,265	2,440	4,155	5,780	
DEC	3,930		2,270		4,440		5,800
JAN		3,905		2,420		4,400	5,000
FEB		3,860		2,465		3,600	3,300
MAR		3,965		2,495		3,470	2,500
CUMULATIVE FRESH PRODUCTION JAN-NOV					45,660	50,405	



DRY EDIBLE BEANS, PRODUCTION BY COMMERCIAL CLASSES  
THOUSAND HUNDREDWEIGHT, 1985-87 1/

STATE	LARGE LIMA			BABY LIMA			BLACKEYE			GARBANZO		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
CALIF	931	385	441	674	637	485	780	727	1,100	39	48	40
IDAHO												18
WASH												39
U S	931	385	441	674	637	485	780	727	1,100	39	48	97
STATE	NAVY			GREAT NORTHERN			SMALL WHITE			CRANBERRY		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
CALIF												48
COLO			33	5	10		61	15				39
IDAHO				146	204	459	140	109	115			
KANS			43		43	36						
MICH	4,355	1,495	4,654				165	10	117	275	220	216
MINN	543	555	650									
NEBR	75	30	54	1,300	2,425	1,907	85		30			
N MEX2/			27									
N DAK	1,300	1,435	1,937									
WASH							180	86	225			
WYO				29	42	64						
U S	6,273	3,515	7,398	1,480	2,724	2,516	631	220	574	275	220	216
STATE	SMALL RED			PINK			RED KIDNEY			BLACK TURTLE SOUP		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
CALIF				230	324	94	720	625	796			
COLO						40	99	33	73			
IDAHO	220	245	233	540	845	507	40	27	53			
MICH							415	225	294	110	620	112
MINN							91	110	130			
MONT				14	29	36						
NEBR							95	50	110			
N MEX2/						35						
N Y							205	311	298	72	97	91
WASH	286	304	175	32	50	25						
U S	506	549	408	816	1,248	737	1,665	1,381	1,754	182	717	203
STATE	PINTO			OTHER			TOTAL					
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
CALIF					189	116	114	3,563	2,862	3,118		
COLO	2,500	2,642	2,420			1	5	2,665	2,701	2,610		
IDAHO	820	1,131	1,253	100	163	174	2,006	2,724	2,812			
KANS	272	337	274			10	272	380	363			
MICH	60	120	126	32	30	25	5,412	2,720	5,544			
MINN	230	332	345	4	10	9	868	1,007	1,184			
MONT	43	68	89				57	97	125			
NEBR	1,239	1,800	1,400				6	2,794	4,305	3,507		
N MEX2/			150						212			
N Y				20	26	31	297	434	420			
N DAK	1,650	2,820	2,310	60	85	60	3,010	4,340	4,307			
UTAH	40	41	47				40	41	47			
WASH	199	184	270	13	46	54	710	670	788			
WYO	452	563	522				481	605	586			
U S	7,505	10,038	9,206	418	477	488	22,175	22,886	25,623			

1/ 1986 REVISED. 2/ ESTIMATES BEGIN WITH 1987 CROP.

CROP MARKETING SEASONS OF SPECIFIED FIELD CROPS

BARLEY: May 1 to April 30 for Arizona; June to May 31 for California; July 1 to June 30 for all other estimated States.

CORN FOR GRAIN: August 1 to July 31 for Georgia and Texas; September 1 to August 31 for Illinois, Indiana, Iowa, Kansas, Kentucky, Missouri, North Carolina and Ohio; October 1 to September 30 for all other estimated States.

DRY EDIBLE BEANS: September 1 to August 31 for all estimated States.

FLAXSEED: July 1 to June 30 for all estimated States.

HAY: April 1 to March 31 for Arizona; May 1 to April 30 for Arkansas, California, Georgia, Kansas, Kentucky, Missouri, Nevada, New Mexico, Oklahoma, Texas, and Utah; June 1 to May 31 for all other estimated States.

OATS: May 1 to April 30 for Texas; June 1 to May 31 for California; July 1 to June 30 for all other estimated States.

SORGHUM FOR GRAIN: June 1 to May 31 for Texas; August 1 to July 31 for Arkansas and Oklahoma; September 1 to August 31 for Kansas, Missouri, New Mexico; South Dakota; October 1 to September 30 for Colorado and Nebraska.

SOYBEANS: September 1 to August 31 for all estimated States.

SUNFLOWER: September 1 to August 31 for Minnesota, North Dakota and South Dakota.

WHEAT: May 1 to April 30 for Arizona, California, Oklahoma and Texas; June 1 to May 31 for Arkansas, Illinois, Kansas, and Missouri; July 1 to June 30 for all other estimated States.

FARM MARKETING OF FIELD CROPS, UNITED STATES, 1985-86 1/ AND 1986-87  
PERCENT OF SALES, BY MONTHS

MONTH	CROP MARKETING YEAR					
	1985-86	1986-87	1985-86	1986-87	1985-86	1986-87
	PERCENT					
	HAY		BARLEY		FLAXSEED	
APR	.5	.4				
MAY	4.5	4.3	.7	.4		
JUN	11.3	11.0	1.7	.8		
JUL	12.0	10.1	9.4	7.8	1.2	2.0
AUG	9.4	8.8	16.8	13.1	5.6	1.1
SEP	8.0	8.6	9.5	11.2	15.6	12.1
OCT	8.1	8.5	7.8	8.7	30.8	44.2
NOV	6.9	8.0	6.1	8.2	9.9	12.9
DEC	9.4	8.3	7.6	8.9	2.5	8.2
JAN	8.4	8.9	10.5	7.6	5.4	2.8
FEB	7.4	8.1	4.6	8.9	6.0	1.8
MAR	6.3	7.2	4.8	7.5	5.7	2.0
APR	5.9	5.4	5.1	4.8	4.9	2.1
MAY	1.9	2.4	7.0	5.6	1.9	2.0
JUN			8.4	6.5	10.5	8.8
YEAR	100.0	100.0	100.0	100.0	100.0	100.0
	OATS		WHEAT		PEANUTS	
MAY	.3	.8	2.5	2.5		
JUN	1.7	.7	10.7	11.0		
JUL	27.4	25.2	18.7	15.9		
AUG	20.6	13.5	10.7	9.6	.2	.2
SEP	5.8	6.0	8.2	8.7	10.8	10.0
OCT	5.2	3.5	7.1	6.5	49.9	48.6
NOV	3.4	4.0	6.0	5.0	33.5	34.9
DEC	4.1	6.7	7.7	6.8	5.3	6.0
JAN	7.0	8.2	7.9	7.4	.3	.3
FEB	5.0	7.2	4.1	6.2		
MAR	5.6	5.8	4.9	6.1		
APR	5.1	4.6	4.3	4.2		
MAY	3.7	7.4	3.2	5.3		
JUN	5.1	6.4	4.0	4.8		
YEAR	100.0	100.0	100.0	100.0	100.0	100.0
	SORGHUM		CORN		COTTON	
JUN	.5	2.3				
JUL	7.3	7.3				
AUG	7.8	4.4	.8	.6	2.3	4.5
SEP	6.3	4.5	3.3	5.5	6.0	13.2
OCT	15.8	8.9	12.3	9.8	16.5	13.5
NOV	24.2	19.8	15.9	10.8	14.9	20.7
DEC	12.6	12.1	12.7	8.7	11.4	19.2
JAN	8.7	9.3	12.7	10.3	13.1	11.6
FEB	2.6	5.8	4.8	7.9	7.2	4.0
MAR	3.1	6.5	4.9	8.7	5.7	2.8
APR	3.3	4.9	6.0	9.1	4.7	5.0
MAY	3.2	3.7	6.8	7.7	5.2	3.2
JUN	2.1	3.8	5.9	7.2	6.7	1.3
JUL	1.3	3.0	4.8	5.4	6.3	1.0
AUG	1.1	3.1	4.7	6.3		
SEP	.1	.6	4.4	2.0		
YEAR	100.0	100.0	100.0	100.0	100.0	100.0
	SOYBEANS		DRY EDIBLE BEANS		SUNFLOWER	
SEP	5.8	7.1	13.7	14.2	1.8	3.8
OCT	17.4	19.5	21.4	26.9	4.3	12.7
NOV	13.6	12.1	11.4	11.1	14.1	19.1
DEC	12.0	8.5	8.6	10.5	12.5	11.5
JAN	13.9	13.6	9.4	7.6	12.6	5.9
FEB	5.6	6.7	5.6	4.1	6.2	5.5
MAR	8.1	6.7	5.4	4.7	5.6	7.9
APR	5.9	7.0	6.5	4.2	9.5	5.6
MAY	4.6	5.9	5.0	5.4	11.5	8.1
JUN	5.0	4.5	5.0	4.3	10.7	10.4
JUL	4.7	4.4	4.8	3.5	8.4	7.6
AUG	3.4	4.0	3.2	3.5	2.8	1.9
YEAR	100.0	100.0	100.0	100.0	100.0	100.0

1/ REVISED.

FARM MARKETINGS OF HAY BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
	PERCENT													
ARIZ 1985-86	15	20	6	4	5	5	10	6	9	7	6	7		
1986-87	12	18	6	9	5	6	8	10	5	5	8	8		
ARK 1985-86		5	18	13	12	9	7	4	10	10	9	2	1	
1986-87		2	13	8	9	10	10	12	6	11	11	7	1	
CALIF 1985-86		13	14	16	14	12	11	3	3	2	3	3	6	
1986-87		12	13	12	10	12	12	6	4	5	4	4	6	
COLO 1985-86			4	6	6	7	9	10	17	12	7	6	10	6
1986-87			6	6	12	13	10	9	8	8	9	5	5	9
GA 1985-86		5	9	6	7	11	11	8	8	14	12	6	3	
1986-87		4	11	4	9	11	12	7	9	12	13	6	2	
IDAHO 1985-86			14	9	8	9	8	9	11	10	8	4	8	2
1986-87			14	7	9	9	8	9	9	10	8	4	9	4
ILL 1985-86			16	12	6	6	5	5	8	9	13	9	6	5
1986-87			16	12	9	5	3	4	9	11	9	11	6	5
IND. 1985-86			18	10	8	8	5	5	7	8	10	9	7	5
1986-87			10	13	10	7	4	4	10	10	9	10	9	4
IOWA 1985-86			23	12	11	7	3	5	9	9	7	8	4	2
1986-87			21	9	8	6	4	4	7	12	9	12	5	3
KANS 1985-86		3	8	13	9	5	8	8	13	16	8	5	4	
1986-87		3	7	9	8	7	8	8	12	12	11	9	6	
KY 1985-86		3	11	13	9	10	6	6	7	9	15	8	3	
1986-87		3	14	11	6	6	6	7	11	9	11	11	5	
MICH 1985-86			14	14	6	5	5	5	11	10	10	9	8	3
1986-87			13	14	6	4	4	4	12	11	11	10	8	3
MINN 1985-86			5	8	4	5	4	12	10	11	7	14	13	7
1986-87			13	7	5	5	3	5	9	13	11	12	11	6
MO 1985-86		4	22	8	7	6	3	3	13	9	13	10	2	
1986-87		3	21	6	6	6	3	3	13	9	14	13	3	
MONT 1985-86			5	11	6	8	9	10	13	10	9	9	7	3
1986-87			3	6	10	5	10	12	12	10	9	10	5	8
NEBR 1985-86			5	7	7	5	6	9	16	19	11	7	5	3
1986-87			5	6	7	7	8	9	14	18	11	7	5	3
NEV 1985-86		3	6	6	6	8	10	12	10	13	13	8	5	
1986-87		2	5	14	17	11	10	8	8	8	7	7	3	
N MEX 1985-86		10	17	11	11	8	7	7	5	7	6	8	3	
1986-87		10	17	12	13	9	7	7	2	6	7	8	2	
N Y 1985-86			9	14	10	7	6	6	9	9	8	9	8	5
1986-87			6	13	8	5	5	9	9	10	11	12	9	3
N DAK 1985-86			3	15	7	8	10	16	9	9	7	9	6	1
1986-87			4	14	8	9	11	16	9	8	6	9	4	2
OHIO 1985-86			14	10	8	10	8	9	7	7	6	7	8	6
1986-87			14	10	8	9	7	10	8	8	5	8	8	5
OKLA 1985-86		2	11	28	12	1	7	6	10	5	6	5	7	
1986-87		2	10	26	11	1	7	8	9	5	7	7	7	
OREG 1985-86			4	12	10	7	6	10	23	10	8	5	3	2
1986-87			10	4	11	11	7	8	11	14	4	6	7	7
PA 1985-86			9	11	6	7	6	7	8	10	9	9	10	8
1986-87			10	10	8	5	5	9	9	11	11	12	6	4
S DAK 1985-86			13	2	4	3	7	14	12	11	16	9	8	1
1986-87			13	2	4	13	19	17	13	3	7	5	1	3
TEX 1985-86		4	10	14	11	7	11	8	9	6	7	8	5	
1986-87		8	14	10	7	5	6	6	10	14	10	8	2	
UTAH 1985-86		2	14	15	10	11	7	7	7	10	9	5	3	
1986-87		2	14	16	11	12	7	7	5	9	10	5	2	
WASH 1985-86			11	11	10	13	9	7	10	8	8	6	5	2
1986-87			11	11	11	12	9	8	8	8	7	6	5	4
WIS 1985-86			21	10	12	5	5	3	11	6	6	6	8	7
1986-87			4	13	3	1	1	17	8	7	19	12	9	6
WYO 1985-86			3	7	9	7	7	14	13	12	10	9	7	2
1986-87			3	7	9	9	10	14	12	10	9	8	6	3
U S 1985-86		.5	4.5	11.3	12.0	9.4	8.0	8.1	9.4	8.4	7.4	6.3	5.9	1.9
1986-87		.4	4.3	11.0	10.1	8.8	8.6	8.5	8.0	8.3	8.1	7.2	5.4	2.4

FARM MARKETINGS OF BARLEY BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
		PERCENT													
ARIZ	1985-86	40	27	20	3	3	1	1	1	1	1	1	1		
	1986-87	62	24	1	1	1	1	1	1	2	1	1	1		
CALIF	1985-86		21	15	12	6	5	4	7	3	3	3	3	18	
	1986-87		12	10	5	5	3	6	11	2	6	11	10	19	
COLO	1985-86			21	8	7	12	14	14	5	2	2	6	2	7
	1986-87			27	10	7	9	17	10	3	2	4	5	1	5
IDAHO	1985-86			4	16	17	14	9	8	17	4	3	3	2	3
	1986-87			12	17	15	11	12	6	10	5	4	1	4	3
MINN	1985-86			12	15	4	5	4	4	8	3	6	5	18	16
	1986-87			9	7	5	4	6	10	6	7	9	7	14	16
MONT	1985-86			8	9	10	7	6	9	15	6	6	9	7	8
	1986-87			4	6	8	10	10	12	13	16	12	4	2	3
N DAK	1985-86			8	16	9	6	5	7	9	6	6	6	8	14
	1986-87			6	16	12	7	7	8	6	11	8	6	5	8
OREG	1985-86			14	17	11	9	8	7	19	4	4	4	1	2
	1986-87			9	21	11	13	7	9	10	5	4	3	2	6
S DAK	1985-86			17	12	2	5	5	7	14	10	8	5	6	9
	1986-87			8	9	8	6	3	15	5	8	4	5	11	18
UTAH	1985-86			15	24	9	6	6	9	10	6	5	4	3	3
	1986-87			13	15	12	11	7	9	6	5	7	4	6	5
WASH	1985-86			6	22	13	13	9	12	12	3	3	5	1	1
	1986-87			2	13	25	19	9	6	10	6	5	3	1	1
WYO	1985-86			10	73	9	1	1	1	1	1	1	1	1	1
	1986-87			17	71	2	1	2	1	1	1	1	1	1	1
U S	1985-86	.7	1.7	9.4	16.8	9.5	7.8	6.1	7.6	10.5	4.6	4.8	5.1	7.0	8.4
	1986-87	.4	.8	7.8	13.1	11.2	8.7	8.2	8.9	7.6	8.9	7.5	4.8	5.6	6.5

FARM MARKETINGS OF OATS, BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
		PERCENT													
CALIF	1985-86		7	16	11	7	9	11	6	6	6	10	9	2	
	1986-87		11	11	6	8	11	7	8	8	14	4	8	4	
ILL	1985-86			58	16	3	1	6	1	3	1	3	3	2	3
	1986-87			44	9	2	1	1	6	4	6	6	7	7	7
IND	1985-86			58	18	1	1	1	2	3	1	3	4	4	4
	1986-87			50	15	7	1	1	3	3	5	6	1	2	6
IOWA	1985-86			50	17	6	3	1	1	5	3	3	3	3	5
	1986-87			45	14	5	3	1	3	4	7	4	4	5	5
MICH	1985-86			12	51	5	3	6	2	2	2	3	7	3	4
	1986-87			7	37	4	3	2	8	10	10	7	4	4	4
MINN	1985-86			23	19	6	4	5	4	6	6	9	6	5	7
	1986-87			15	12	6	4	9	11	12	6	4	4	12	5
MONT	1985-86			9	11	3	12	1	3	8	5	11	18	7	12
	1986-87			6	8	11	10	9	17	3	12	8	6	6	4
NEBR	1985-86			41	15	4	4	2	2	5	3	6	7	4	7
	1986-87			32	6	7	4	2	5	14	9	6	5	5	5
N Y	1985-86			4	26	10	15	2	6	7	4	5	9	5	7
	1986-87			8	18	13	11	5	3	10	8	6	3	8	7
N DAK	1985-86			9	13	11	8	5	7	16	8	7	5	4	7
	1986-87			6	10	8	5	7	10	12	9	4	6	11	12
OHIO	1985-86			35	28	5	2	2	2	5	5	7	4	3	2
	1986-87			31	12	4	5	4	8	8	5	6	5	5	7
OREG	1985-86			2	11	13	13	8	11	9	5	10	7	5	6
	1986-87			6	20	7	9	6	11	8	5	5	7	8	8
PA	1985-86			31	28	5	3	2	3	5	5	7	5	3	3
	1986-87			20	13	4	2	6	3	4	7	13	12	10	6
S DAK	1985-86			29	18	5	7	2	6	11	7	4	4	3	4
	1986-87			15	6	4	3	5	10	12	9	6	7	15	8
TEX	1985-86	10	50	15	12	2	2	1	4	1	1	1	1		
	1986-87	35	25	12	5	7	3	2	2	2	2	3	2		
WIS	1985-86			34	20	2	4	2	3	3	5	6	6	7	8
	1986-87			12	17	7	3	3	5	11	9	10	6	8	9
U S	1985-86	.3	1.7	27.4	20.6	5.8	5.2	3.4	4.1	7.0	5.0	5.6	5.1	3.7	5.1
	1986-87	.8	.7	25.2	13.5	6.0	3.5	4.0	6.7	8.2	7.2	5.8	4.6	7.4	6.4

FARM MARKETINGS OF ALL WHEAT, BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
PERCENT														
ARIZ 1985-86	25	38	10	2	3	2	2	2	1	1	8	6		
1986-87	41	40	7	2	1	1	1	3	1	1	1	1		
ARK 1985-86		63	18	5	1	2	2	2	2	1	2	1	1	
1986-87		68	18	3	2	1	1	1	1	1	1	1	2	
CALIF 1985-86	11	36	15	7	3	3	5	6	4	4	3	3		
1986-87	5	32	12	8	6	5	3	8	8	5	4	4		
COLO 1985-86			20	13	8	7	5	11	10	5	7	4	3	7
1986-87			19	10	7	6	6	8	10	9	11	6	5	3
IDAHO 1985-86			4	10	20	15	9	9	15	5	5	2	3	3
1986-87			6	16	18	8	9	6	9	7	9	2	5	5
ILL 1985-86		13	56	6	6	2	4	2	4	2	2	2	1	
1986-87		52	20	7	3	2	2	2	5	3	2	1	1	
IND 1985-86			75	6	3	1	1	4	4	2	1	1	1	1
1986-87			73	7	4	2	3	4	2	1	1	1	1	1
KANS 1985-86		16	21	9	7	8	6	9	10	5	4	3	2	
1986-87		16	20	8	9	7	6	6	9	5	5	4	5	
MICH 1985-86			52	16	9	6	6	3	2	2	1	1	1	1
1986-87			47	21	4	5	3	3	5	2	2	2	3	3
MINN 1985-86			9	17	10	5	6	5	7	5	7	9	9	11
1986-87			6	11	8	8	4	5	8	7	5	7	15	16
MO 1985-86		25	57	5	4	1	2	1	2	1	1	1		
1986-87		59	16	5	3	2	1	3	4	1	3	2	1	
MONT 1985-86			3	8	9	10	9	12	13	5	7	7	7	10
1986-87			4	7	10	6	7	11	10	10	10	8	8	9
NEBR 1985-86			38	11	6	6	4	7	8	5	4	2	2	7
1986-87			30	7	4	3	2	3	7	6	13	5	9	11
N DAK 1985-86			5	8	12	11	8	9	9	5	8	8	7	10
1986-87			9	8	12	11	6	10	6	8	6	6	7	11
OHIO 1985-86			59	11	6	2	4	3	5	2	3	3	1	1
1986-87			65	8	3	2	1	2	4	2	1	1	1	10
OKLA 1985-86	4	28	14	8	7	6	6	10	8	3	4	2		
1986-87	6	28	14	5	6	5	3	7	10	7	7	2		
OREG 1985-86			4	14	14	8	8	9	12	10	10	4	3	4
1986-87			8	19	11	13	6	8	10	7	5	3	7	3
S DAK 1985-86			13	20	12	7	5	7	5	3	4	7	7	10
1986-87			14	14	4	2	8	8	6	8	10	8	12	6
TEX 1985-86	21	35	17	11	1	1	2	6	3	1	1	1		
1986-87	27	37	17	4	2	2	1	4	3	1	1	1		
WASH 1985-86			6	14	11	14	12	9	9	5	7	8	3	2
1986-87			4	23	22	11	7	7	8	7	5	2	3	1
U S 1985-86	2.5	10.7	18.7	10.7	8.2	7.1	6.0	7.7	7.9	4.1	4.9	4.3	3.2	4.0
1986-87	2.5	11.0	15.9	9.6	8.7	6.5	5.0	6.8	7.4	6.2	6.1	4.2	5.3	4.8

FARM MARKETINGS OF FLAXSEED, BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
PERCENT												
MINN 1985-86	1	2	12	29	13	1	8	19	4	5	4	2
1986-87	2	2	12	50	10	6	2	2	1	2	2	9
N DAK 1985-86	1	1	9	35	11	3	6	5	7	6	2	14
1986-87	2	1	9	45	14	9	3	2	2	2	2	9
S DAK 1985-86	2	29	48	13	3	1	1	1	1			1
1986-87	2	2	44	34	2	1	1		2	3	2	7
U S 1985-86	1.2	5.6	15.6	30.8	9.9	2.5	5.4	6.0	5.7	4.9	1.9	10.5
1986-87	2.0	1.1	12.1	44.2	12.9	8.2	2.8	1.8	2.0	2.1	2.0	8.8

FARM MARKETINGS OF SORGHUM, BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PERCENT																
ARK 1985-86			14	21	25	18	14	2	1	1	1	1	1	1		
1986-87			42	23	8	4	4	4	3	4	4	2	1	1		
COLO 1985-86					4	24	14	20	7	5	6	5	5	6	1	3
1986-87					2	16	17	22	4	3	21	7	2	2	3	1
KANS 1985-86				3	18	31	14	12	4	4	5	3	2	2	2	
1986-87				5	10	22	14	10	6	9	6	4	5	5	4	
MO 1985-86				8	24	18	15	10	5	6	3	7	1	1	2	
1986-87				15	13	14	8	6	8	8	3	3	3	5	14	
NEBR 1985-86					15	32	12	9	3	5	5	6	8	2	2	1
1986-87					12	22	12	9	10	6	5	8	8	2	2	4
N MEX 1985-86				2	13	42	16	18	2	1	1	1	1	2	1	
1986-87				1	8	19	26	14	2	4	4	4	12	1	5	
OKLA 1985-86			5	4	12	33	19	16	3	7	2	7	3	7		
1986-87			1	6	12	22	24	17	3	3	5	1	3	3		
S DAK 1985-86				1	32	19	1	1	3	1	11	8	13	4	6	
1986-87				2	45	28	5	6	5	1	1	3	2	1	1	
TEX 1985-86	2	28	20	4	6	16	9	7	1	2	2	3				
1986-87	9	29	12	2	3	18	10	8	3	3	2	1				
U S 1985-86	.5	7.3	7.8	6.3	15.8	24.2	12.6	8.7	2.6	3.1	3.3	3.2	2.1	1.3	1.1	.1
1986-87	2.3	7.3	4.4	4.5	8.9	19.8	12.1	9.3	5.8	6.5	4.9	3.7	3.8	3.0	3.1	.6



FARM MARKETINGS OF CORN FOR GRAIN BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
	PERCENT													
COLO 1985-86			9	18	15	11	4	7	10	13	4	3	3	3
1986-87			9	17	14	17	9	5	6	6	5	5	4	3
GA 1985-86	31	24	8	4	3	4	4	2	3	3	4	10		
1986-87	46	21	5	2	1	2	2	3	5	4	4	5		
ILL 1985-86		6	14	12	11	18	6	5	7	8	5	3	5	
1986-87		6	9	8	6	12	9	12	12	8	7	5	6	
IND 1985-86			22	18	14	8	6	3	5	6	6	3	5	4
1986-87		7	14	13	7	10	10	9	8	6	7	4	5	
IOWA 1985-86			8	18	10	10	4	5	6	7	8	8	6	10
1986-87		8	7	8	7	8	7	8	13	10	9	7	8	
KANS 1985-86		9	13	17	14	20	4	4	4	7	2	3	3	
1986-87		9	13	11	12	10	5	7	7	6	9	5	6	
KY 1985-86		23	15	17	7	15	3	3	5	4	2	2	4	
1986-87		11	11	4	5	13	8	13	12	8	5	4	6	
MICH 1985-86			7	20	24	17	4	3	4	6	4	4	3	4
1986-87			8	14	17	12	10	10	6	5	5	4	3	6
MINN 1985-86			8	21	12	10	4	4	7	8	9	5	5	7
1986-87			4	10	7	8	7	11	8	10	9	9	12	5
MO 1985-86		10	20	15	15	12	3	3	4	5	3	4	6	
1986-87		12	12	11	13	9	7	8	6	4	5	6	7	
NEBR 1985-86			8	16	13	14	5	9	7	8	7	3	4	6
1986-87			8	11	12	14	9	6	7	9	8	5	5	6
N C 1985-86		35	15	4	16	8	4	3	3	2	2	2	6	
1986-87		37	24	5	4	6	5	2	1	3	6	4	3	
OHIO 1985-86			17	15	16	13	5	5	5	5	5	5	3	6
1986-87		7	17	14	9	11	8	8	7	6	5	4	4	
PA 1985-86			29	15	17	7	5	6	6	3	3	3	3	3
1986-87			15	15	9	4	4	7	9	11	9	6	5	6
S DAK 1985-86			9	30	19	12	5	4	4	3	4	4	3	3
1986-87			11	21	9	8	4	9	6	6	6	4	7	9
TEX 1985-86	21	15	11	5	9	14	1	1	1	1	1	20		
1986-87	15	11	21	24	14	6	4	1	1	1	1	1		
WIS 1985-86			8	13	13	8	5	8	11	9	7	5	8	5
1986-87			7	14	13	10	8	6	7	7	8	5	8	7
U S 1985-86	.8	3.3	12.3	15.9	12.7	12.7	4.8	4.9	6.0	6.8	5.9	4.8	4.7	4.4
1986-87	.6	5.5	9.8	10.8	8.7	10.3	7.9	8.7	9.1	7.7	7.2	5.4	6.3	2.0

FARM MARKETINGS OF SOYBEANS, BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
PERCENT													
ALA	1985-86	5	30	29	11	5	2	12	1	1	1	1	2
	1986-87	5	28	31	12	12	3	3	2	1	1	1	1
ARK	1985-86	1	21	30	16	17	4	4	2	1	1	2	1
	1986-87	2	16	18	25	22	4	5	4	1	1	1	1
GA	1985-86	1	16	29	30	14	3	2	1	1	1	1	1
	1986-87	2	21	38	18	7	2	3	3	2	1	2	1
ILL	1985-86	8	15	6	8	18	5	11	8	6	5	6	4
	1986-87	15	13	7	5	17	8	8	9	8	4	3	3
IND	1985-86	9	36	5	6	7	7	6	8	5	5	3	3
	1986-87	9	35	11	6	10	8	6	5	4	2	2	2
IOWA	1985-86	7	13	11	7	12	6	9	7	6	8	8	6
	1986-87	4	19	10	6	11	6	7	8	7	7	8	7
KANS	1985-86	3	3	11	22	22	15	6	4	5	3	3	3
	1986-87	5	12	17	13	20	5	9	5	5	4	2	3
KY	1985-86	3	17	14	13	21	8	11	4	2	3	3	1
	1986-87	3	12	11	12	19	10	16	9	3	2	2	1
LA	1985-86	4	17	30	16	18	6	5	1	1		1	1
	1986-87	12	27	18	6	4	2	1	3	6	7	6	8
MICH	1985-86	3	22	16	18	11	5	7	6	4	4	2	2
	1986-87	2	18	20	12	15	6	7	5	5	4	3	3
MINN	1985-86	4	10	11	7	8	6	10	8	9	11	10	6
	1986-87	4	19	9	6	10	7	5	7	9	7	10	7
MISS	1985-86	5	14	31	21	15	3	4	4	1	1	1	
	1986-87	3	18	17	18	19	10	4	4	2	3	1	1
MO	1985-86	3	11	14	19	20	6	8	5	4	4	3	3
	1986-87	4	10	17	13	19	9	8	7	4	3	3	3
NEBR	1985-86	5	20	18	9	13	7	7	4	3	6	5	3
	1986-87	3	27	18	10	17	6	5	4	3	3	2	2
N C	1985-86	1	5	21	47	15	2	2	2	2	1	1	1
	1986-87		5	18	46	11	5	3	4	3	3	1	1
OHIO	1985-86	12	25	9	6	10	5	10	6	5	5	4	3
	1986-87	8	27	11	5	10	6	8	9	6	4	3	3
S C	1985-86	1	2	14	47	17	4	5	3	2	2	2	1
	1986-87	2	9	17	34	17	6	4	4	3	2	1	1
S D	1985-86	2	37	15	4	10	5	6	6	4	4	4	3
	1986-87	4	35	23	4	7	3	4	5	4	4	3	4
TENN	1985-86	1	18	37	18	12	4	4	2	1	1	1	1
	1986-87	3	18	17	24	13	7	5	6	3	2	1	1
TEX	1985-86	1	1	20	27	18	3	16	6	1	1	1	5
	1986-87	5	9	23	17	24	5	4	4	2	2	1	4
U S	1985-86	5.8	17.4	13.6	12.0	13.9	5.6	8.1	5.9	4.6	5.0	4.7	3.4
	1986-87	7.1	19.5	12.1	8.5	13.6	6.7	6.7	7.0	5.9	4.5	4.4	4.0

FARM MARKETINGS OF DRY EDIBLE BEANS, BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	PERCENT											
CALIF 1985-86	6	8	12	10	10	7	8	9	11	7	7	5
1986-87	7	12	12	11	9	7	6	8	9	7	7	5
COLO 1985-86	22	22	7	7	7	5	5	5	6	5	5	4
1986-87	23	25	5	8	7	4	5	4	5	5	5	4
IDAHO 1985-86	7	26	14	8	6	4	3	9	7	6	7	3
1986-87	9	25	9	11	6	5	6	7	6	8	4	4
MICH 1985-86	14	23	11	11	11	7	3	4	3	5	4	4
1986-87	7	26	24	21	10	4	2	1	2	1	1	1
MINN 1985-86	31	29	8	5	6	3	6	5	3	2	2	
1986-87	30	45	8	4	4	2	2	3	1	1		
NEBR 1985-86	16	28	15	5	4	6	10	5	2	3	4	2
1986-87	11	38	9	9	9	1	5	4	5	3	3	3
N Y 1985-86	7	14	16	11	12	11	7	8	5	3	3	3
1986-87	2	11	13	16	12	11	10	10	6	3	3	3
N DAK 1985-86	14	19	10	9	16	3	5	9	4	5	4	2
1986-87	20	29	9	8	7	5	5	2	5	3	2	5
WASH 1985-86	17	37	9	8	11	5	3	4	1	3	1	1
1986-87	27	21	19	5	4	4	2	3	1	4	6	4
WYO 1985-86	4	23	18	7	7	4	4	12	3	8	9	1
1986-87	13	12	11	11	3	3	2	5	19	11	8	2
U S 1985-86	13.7	21.4	11.4	8.6	9.4	5.6	5.4	6.5	5.0	5.0	4.8	3.2
1986-87	14.2	26.9	11.1	10.5	7.6	4.1	4.7	4.2	5.4	4.3	3.5	3.5

FARM MARKETINGS OF SUNFLOWER, BY STATES, 1985-86 AND 1986-87  
PERCENT OF SALES, BY MONTHS

STATE AND MARKETING YEAR	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	PERCENT											
MINN 1985-86		9	15	7	6	10	3	14	21	5	5	5
1986-87	3	21	11	5	2	2	3	5	18	16	8	6
N DAK 1985-86		4	14	12	15	7	6	9	10	13	8	2
1986-87	3	13	18	12	6	6	6	6	8	11	9	2
S DAK 1985-86	9	4	14	16	6	2	5	10	14	4	11	5
1986-87	7	10	25	11	6	4	16	4	7	7	2	1
U S 1985-86	1.8	4.3	14.1	12.5	12.6	6.2	5.6	9.5	11.5	10.7	8.4	2.8
1986-87	3.8	12.7	19.1	11.5	5.9	5.5	7.9	5.6	8.1	10.4	7.6	1.9

## NOVEMBER WEATHER SUMMARY

Recurrent rains benefited drought-stricken areas of the Southeast and the Pacific Northwest. A Veterans Day snowstorm pummeled the Middle Atlantic States and the Northeast. Severe weather occurred in the Southwest during the first week of the month, then in the Southeast the last two weeks. Thanksgiving Day storms produced heavy snow in the central and southern Rockies and in northern New England, and rainshowers throughout much of the East. Wetness in the East persisted to the end of the month. (Prepared by the Joint USDA/NOAA Agricultural Weather Facility.)

### ROW CROP HARVEST

Warm, dry weather pushed row crops near completion in the Corn Belt and northern and central Great Plains by mid-November. Precipitation plagued soybean and cotton harvest in the Delta, southern Great Plains, and Southeast the second half of the month.

Corn harvest was virtually finished by the first week of November. Harvest was finished in the Southeast and neared completion in most other States. On November 8, harvest was less than 90 percent finished in Colorado, Michigan, and Pennsylvania. In the 17 major producing States, 76 percent would normally be harvested by this date, but 97 percent was finished this year. By the end of November, a few acres remained to be harvested in Colorado, Michigan, and Pennsylvania.

In 19 major producing States, soybeans were 96 percent harvested on November 15. Normally 84 percent would be harvested, and last year 83 percent was harvested by this date. Despite the rapid harvest progress, quite a few acres still remained to be harvested in the Southeast. The second half of the month rain interfered with soybean harvest in the Delta and Southeast. On November 29, Georgia's harvest was 91 percent finished compared with 75 percent average. Harvest neared completion in Alabama, Arkansas, and Louisiana. North Carolina harvest ended the month 80 percent finished, 25 points ahead of normal. In South Carolina, harvest reached 78 percent completion compared with 53 percent, normally.

At the end of October, cotton harvest was 11 points ahead of normal but dropped to 2 points ahead of normal by November 29. Wetness impeded cotton harvest in the southern Great Plains and Southeast during most of the month. At the end of the month, harvest was 76 percent finished. Harvest neared completion in California, Georgia, South Carolina, and North Carolina. Oklahoma's harvest surged to 40 percent completion the last week of November and was 5 points ahead of normal. Texas harvest reached 51 percent completion, 2 points behind normal. New Mexico's harvest trailed 8 points behind the 67 percent average.

### WINTER WHEAT SEEDING

Dryness, followed by rain, delayed winter wheat seeding in the Southeast, Delta, and southern Great Plains during most of November. However, the moisture was needed for germination and growth. By midmonth seeding was finished except in these areas and along the west coast. California seeding reached the halfway point at month's end. Seeding was 68 and 86 percent finished in South Carolina and North Carolina, respectively. Fifty-eight percent of the acreage was seeded in Georgia. Inadequate moisture plagued winter wheat development in the northern and central Great Plains the first half of the month. In Kansas, some wheat had trouble establishing proper root systems before dormancy. By the end of the month, wheat streak mosaic disease was at epidemic proportions in Kansas except in the eastcentral and southeastern part. Leaf rust was prevalent statewide. Greenbugs and aphids were active from North Dakota to Texas. Colder temperatures slowed insects in some areas but were not severe enough to eradicate them entirely.

## RELIABILITY OF DECEMBER 1 COTTON PRODUCTION FORECAST

The cotton production forecast in this report is based primarily on an objective yield survey made during the last week in November and reports from cotton ginners as of December 1. Some adjustments have been made in harvested acres based on acreage data from ASCS. The objective yield survey provided small plot observations, counts and measurements based on a probability sample. This survey is subject to sampling and non-sampling errors that are common to all surveys. The forecast is also subject to change due to future weather effects and other factors that cannot be measured currently but directly affect production.

To assist users in evaluating the reliability of the December 1 cotton production forecast, the "Root Mean Square Error", a statistical measure based on past performance, is computed. This is done by expressing the deviations between the December 1 production forecasts and the final estimates as a percent of the final estimates and averaging the squared percentage deviations for the 1967-86 twenty-year period; the square root of this 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 December 1 cotton production forecast is 1.8 percent. This means that chances are 2 out of 3 that the current production forecast of 14.3 million bales will not be above or below the final estimate by more than 1.8 percent or approximately 257 thousand bales. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 3.1 percent or approximately 443 thousand bales.

Differences between the December 1 forecast and the final estimate during the past 10 years have averaged 166 thousand bales, ranging from 3 thousand to 399 thousand bales. The December 1 forecast has been below the final estimate 6 times and above 4 times.

COTTON: All cotton production is forecast at 14.3 million bales, 47 percent above the 1986 crop and 2 percent above November 1. The Upland production forecast is for 14.0 million bales and American Pima production is expected to total a record high 243 thousand bales. Upland production is the highest since 1981 when 15.6 million bales were harvested. Total area for harvest for all cotton is estimated at 9.87 million acres (3.99 million hectares), up 17 percent from last year but down 1 percent from the November 1 estimate. Yields are expected to average a record high 695 pounds per harvested acre, up 143 pounds from 1986 and 65 pounds per acre above the previous record high established in 1985.

In Texas and Oklahoma, Upland production is forecast at 4.70 million bales, up 71 percent from last year and 4 percent above the November 1 forecast. Ideal harvest conditions existed during the month in Texas and Oklahoma resulting in substantial gains in harvest. Many gins have developed backlogs because of the rapid harvest. Record high yields are expected in Texas and Oklahoma.

Production in the Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) is forecast at 4.62 million bales, 51 percent above last year and up 1 percent from November 1. Harvest is virtually complete in the region. Record high yields are expected in all States, except Mississippi.

Upland production in the Western States (Arizona, California, and New Mexico) is expected to total 3.73 million bales, up 25 percent from last year and 3 percent above the November 1 forecast. Record high yields are expected in Arizona and California. Harvest progress is running slightly ahead of last year.

Producers in the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina), expect to harvest 960 thousand bales, up 35 percent from last year but down 2 percent from November 1. Harvest is complete in Alabama and North Carolina and near completion in Georgia and South Carolina.

Bureau of the Census reported 11,082,067 running bales ginned prior to December 1 compared with 7,491,483 to the same date last year and 10,051,719 bales in 1985.

**COTTONSEED:** Production of cottonseed for 1987, based on a three year average lint-seed ratio, is forecast at 5.62 million tons (5.10 million metric tons), 48 percent above the 1986 production of 3.80 million tons (3.45 million metric tons).

**BURLEY TOBACCO:** Production of burley tobacco is forecast at 453 million pounds (206 thousand metric tons), 11 percent above 1986 but 2 percent below the November 1 forecast. Yield per acre is expected to average 2012 pounds, 76 pounds more than a year ago.

Burley auction markets opened November 23. Sales for the first 8 days totaled 243 million pounds compared with 286 million pounds for the first 8 sales days a year ago.

**DRY BEANS:** Production of dry edible beans is estimated at 25.6 million cwt (1.16 million metric tons), up 12 percent from last year and 16 percent above two years ago. Harvested area is set at 1.67 million acres (675 thousand hectares), up 12 percent from last year and 13 percent above 1985. The average yield came in at 1536 pounds per acre, up 5 pounds from last year and 39 pounds above two years ago.

Navy bean production of 7.40 million cwt more than doubled last year's low output. California's blackeye (peas) are up 51 percent. Red kidney beans gained 27 percent; while small whites were two and a half times greater. The down side pinto and great northern beans were both down 8 percent. Black turtle soup beans fell to only 28 percent of last year's crop. Pink bean production dropped 41 percent.

In Michigan, hot summer weather during the bloom period blasted early blossoms. Pod set was late, coming mostly from secondary bloom. Favorable fall weather allowed most of these late pods to mature properly leading to near normal yields, although some late fields were lost to frost damage. Hail damage in Nebraska wiped out several thousand acres of beans and reduced yields. In most other States, planting was early and development normal. Harvest was virtually finished by December 1st.

**PECANS:** The December 1 forecast for the U.S. all pecan crop is 256 million pounds (116 thousand metric tons), in-shell basis, 12 percent lower than the October 1 forecast and 6 percent below last year's utilized crop.

Weather patterns during October and November turned extremely dry in many areas of the pecan belt. The dry weather caused a loss in nut weight and shucks being very late opening or sticking to the hull. A number of growers are saying they will not make a second harvest for the "stick-tights" especially in view of the low price market situation. Some States in the Mississippi River basin and west of the Mississippi are reporting that the spring freeze caused more damage than earlier expected and nut kernels did not fill normally because of drought conditions this summer and fall. Below normal temperatures during October throughout most pecan areas slowed development and actually prevented development in some groves as some nuts are still green on the trees. The main concern for producers is the overall poor quality of the nuts they have harvested. The lack of moisture during the critical period of growth resulted in shriveled kernels and insect damage in some areas has also been a problem.

PAPAYAS: Fresh papaya production from Hawaii is forecast at 5.80 million pounds (2630 metric tons) in December, 31 percent more than December 1986. Output is expected to decline during the first quarter of 1988 and production to total 5.00 million pounds (2270 metric tons) in January, 3.30 million pounds (1500 metric tons) in February, and 2.50 million pounds (1130 metric tons) in March. The January production, if realized, will be 14 percent greater than January production a year ago. February and March production will be 8 and 28 percent less, respectively, than the comparable 1987 months.

November fresh utilization is estimated at 5.78 million pounds, (2620 metric tons), 5 percent lower than October but 39 percent higher than last November. Year-to-date fresh sales were 10 percent more than the same 11-month period in 1986. Crop area in November totaled 4095 acres (1660 hectares), up 1 percent from October and 2 percent above last November. Area harvested totaled 2440 acres (990 hectares), 2 percent lower than October but 8 percent higher than a year ago.

ORANGES: U.S. production is forecast at 186 million boxes (7.23 million metric tons), 2 percent above both the October 1 forecast and last season and 6 percent higher than 1985-86. The forecast of all oranges in Florida is 130 million boxes, unchanged from the October 1 forecast, 9 percent higher than last season's crop and also 9 percent above 1985-86. The forecast for early and mid-season varieties in Florida is 72.0 million boxes, 9 percent higher than last season and 12 percent above the 1985-86 crop. Harvest of Florida early and mid-season oranges is 4 percent complete. The Valencia forecast, at 58.0 million boxes, is 8 percent higher than last season and 5 percent above the 1985-86 crop.

The California all orange crop forecast, at 52.0 million boxes, is up 6 percent from October 1 but 11 percent below last season. The forecast for Navel oranges is 28.0 million boxes, up 8 percent from the October 1 forecast but 19 percent less than last season and 15 percent below 1985-86 production. Harvest of the Navel crop as of December 1 was about 10 percent complete.

Quality is good with mostly large size fruit. California's Valencia forecast of 24.0 million boxes is up 4 percent from the October 1 forecast, equals last season's production, and is 15 percent higher than the 1985-86 crop. The Texas all orange forecast is 1.35 million boxes, unchanged from October 1 and compares with 875 thousand boxes harvested for last season.

Changes in U.S. production between December 1 and final production have averaged 19.8 million boxes over the past ten seasons, ranging from 300 thousand boxes in 1977-78 to 53.0 million boxes in 1983-84. The freeze that occurred in Florida and Texas during December 1983 was the major cause for the 53.0 million box difference between the December 1, 1983 and final production for the 1983-84 season.

FLORIDA FROZEN CONCENTRATED JUICE YIELD: The 1987-88 forecast of all Frozen Concentrated Orange Juice for Florida is 1.46 gallons per box at 42.0 degrees Brix. The forecast is projected to estimate the final yield as reported by the Florida Citrus Processors Association. The 1986-87 yield for all fruit used in FCOJ was 1.50827 gallons per box at 42 degrees Brix. This was a record high yield in the 21-year series. The average yield of 14 non-freeze seasons in this series is 1.4160 gallons per box.

GRAPEFRUIT: Prospects for the 1987-88 season, excluding California's "Other Areas" grapefruit, indicate a crop of 60.4 million boxes (2.26 million metric tons), 4 percent above the previous season and 14 percent higher than the 1985-86 season. The California "Other Areas" grapefruit crop, which will be forecast as of April 1, 1988, accounted for 4.90 million boxes harvested last season and 4.50 million boxes in 1985-86.

Florida's grapefruit forecast is 51.0 million boxes, up 2 percent from last season and 9 percent above the 1985-86 season. The Florida white seedless grapefruit forecast is 27.0 million boxes, up fractionally from last season; colored seedless is 20.5 million boxes, up 3 percent; and seedy grapefruit, at 3.50 million boxes, is 21 percent higher than 1986-87.

The California desert grapefruit forecast is 4.20 million boxes, the same as last season. Arizona's grapefruit crop is forecast at 2.10 million boxes, down 5 percent from last season. The Texas grapefruit forecast is 3.10 million boxes compared with 1.93 million boxes last season.

TANGELOS: The Florida tangelo crop forecast is 4.00 million boxes (163 thousand metric tons), the same as last season but 36 percent above the 1985-86 crop.

TANGERINES: The U.S. all tangerine forecast is 4.20 million boxes (163 thousand metric tons), 20 percent below last season and 6 percent less than the harvest in 1985-86. This forecast includes all varieties of tangerines in Florida (Dancy, Robinson, and Honey), as well as production of California and Arizona tangerines. Per program modification, Florida Honey tangerines are now included in the State and U.S. totals. Production estimates shown for previous seasons have been revised for comparison purposes with the new crop forecasts.

TEMPLES: Florida's temple forecast is 3.40 million boxes (139 thousand metric tons), the same as last season's production but 15 percent higher than 1985-86.

FLORIDA CITRUS: Most of Florida's citrus trees and groves are in very good condition. There has been above average rainfall in all areas with some counties recording record amounts. Cooler than normal temperatures have slowed tree growth. Early oranges, most grapefruit, tangelos, and Dancy tangerines are showing good fruit coloring. Harvest of Navels and early oranges increased rapidly during November as many crops were passing maturity tests. Weekly harvest of grapefruit during November was in the 600,000 to 900,000 box range. Picking of Robinson tangerines was very active in November. This is the peak harvest month for these zipper skin fruit. Movement of tangelos increased throughout the month as more crops matured. By the end of November, most of the processing plants had opened on a limited basis with some plants just receiving packinghouse elimination fruit.

TEXAS CITRUS: Harvest of early oranges and grapefruit is progressing nicely in the Rio Grande Valley. Quality and appearance is good. Fruit movement for fund raising and gift packages is increasing. The first shipment of the new variety of grapefruit--Rio Red-- was completed during November. Supplies will be limited this season.

CALIFORNIA FRUITS AND NUTS: November was characterized by timely rain storms. Harvest of deciduous crops has now reached completion. Emperor table grapes was the last variety packed this season. Avocados, dates and persimmons were still being harvested through November. Navel orange harvest started with good quality, color and large sizes. Desert lemon, grapefruit and tangerine harvests progressed, with good quality. Normal fall cultural practices continued in orchards with pruning and application of herbicides and fertilizer the major activities.



I N D E X

	PAGE
BEANS, DRY EDIBLE .....	A- 5
BEANS, BY CLASSES .....	A- 9
CITRUS FRUIT .....	A- 7
COTTON .....	A- 4
COTTONSEED .....	A- 4
CROP MARKETING SEASONS .....	A-10
FARM MARKETINGS .....	A-11
PAPAYAS .....	A- 8
PECANS .....	A- 8
RELIABILITY STATEMENT .....	B- 2
TOBACCO, BURLEY .....	A- 5
U S SUMMARY .....	A- 2

