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Citrus Fruits

**Final Estimates 1981 - 82 Crop
through 1986 - 87 Crop**

ABSTRACT

This report presents estimates by States of the production, use, and value of U.S. citrus crops for the crop seasons 1981-82 through 1986-87. Some of these estimates have been revised since they first appeared in Agricultural Statistics Board releases. Estimates contained in this publication provide a historic record and a benchmark for current estimates.

COMMODITY INDEX

Total Citrus Fruits	7
Oranges	5, 8, 9, 10, 11, 12, 13
Grapefruit	5, 14, 15, 16, 17
Lemons	5, 18, 19
Limes	6, 18, 19
Tangelos	6, 18, 19
Tangerines	6, 20, 21
Temples	6, 20, 21

INTRODUCTION

This report presents estimates by States, of the production, use, and value, of citrus fruits for the crop seasons 1981-82 through 1986-87. These estimates have been revised where necessary by reviewing marketing agreement records, recorded truck and rail movement, quantities inspected, quantities used by processors, and the 1987 Census of Agriculture.

HISTORICAL SERIES

Historical series for States and the United States were published in "Citrus Fruits, Production, Use, and Value, by States, 1909-10 through 1964-65", Statistical Bulletin No. 380, issued January 1967; "Citrus Fruits, Revised Estimates by States, 1964-65 through 1969-70," Statistical Bulletin No. 493, issued September 1972; "Citrus Fruits, Revised Estimates by States, 1969-70 through 1974-75," Statistical Bulletin No. 579, issued September 1977; "Citrus Fruits, Revised Estimates by States, 1974-75 through 1977-78," Statistical Bulletin No. 643, issued October 1980; and "Citrus Fruits, Revised Estimates by States, 1977-78 through 1981-82," Statistical Bulletin No. 712, issued September 1984.

CROP SEASONS

Orange and grapefruit trees generally bloom in late winter and early spring, and fruit is picked 8 to 18 months after blooming. Harvest extends from the fall of the year of bloom to the fall of the following year. Harvest of early and midseason oranges, including navels, starts early in the fall and continues until spring. Harvest of Valencia oranges in Florida, Texas, and Arizona extends from about the first of February to early summer. In northern California, Valencia harvest starts in March and is usually completed by early summer. In southern California, harvest generally starts about May 1 of the year after bloom and extends into December.

Grapefruit harvest, except for the California summer crop, begins in the fall in all States and ends by early summer of the next year. California summer grapefruit are marketed mostly from early summer through September of the year after bloom.

California lemons, which make up the major part of the Nation's lemon production, are harvested in all months of the year. The crop year in this publication is considered to be from August 1 to July 31.

Nearly all U.S. limes are grown in Florida and are picked mostly from April through December.

The values shown in this report relate to the crop seasons and should not be confused with estimates of calendar-year cash income.

GROWERS' MARKETING SEASONS AND NET WEIGHT PER BOX

ORANGES:	Arizona -- November 1 to August 31	75 pounds
	California -- Navel, November 1 to June 15; Valencia, March 15 to December 20	75 pounds
	Florida -- Early and Midseason, October 1 to April 15; Valencia, February 1 to July 31	90 pounds
	Texas -- September 25 to May 15	85 pounds
GRAPEFRUIT:	Arizona -- November 1 to July 31	64 pounds
	California -- Desert, November 15 to July 15	64 pounds
	Other Areas, March 20 to October 30	67 pounds
	Florida -- September 10 to July 31	85 pounds
Texas -- October 1 to May 30	80 pounds	
LEMONS:	Arizona -- August 15 to March 1	76 pounds
	California -- August 1 to July 31	76 pounds
LIMES:	Florida -- April 1 to March 31	88 pounds
TANGELOS:	Florida -- October 15 to April 15	90 pounds
TANGERINES:	Arizona -- November 1 to February 1	75 pounds
	California -- November 1 to May 15	75 pounds
	Florida -- October 1 to April 1	95 pounds
TEMPLES:	Florida -- December 1 to May 1	90 pounds

CROP VALUES AND PRICES

Crop value estimates in this report cover the growers' marketing season or crop year and should not be confused with cash receipts from these crops which are on a calendar year. The following procedure is using marketing year average price (MYAP) at equivalent packinghouse-door fresh and processed sales to compute State values for all commodity groups:

STATE VALUE COMPUTATION PROCEDURE

Fresh Market Value	=	Fresh Market MYAP	x	Fresh Market Utilization
Process Market Value	=	Process Market MYAP	x	Process Market Utilization
"All" Sales Value	=	Fresh Market Value	+	Process Market Value
"All" Sales MYAP	=	$\frac{\text{"All" Sales Value}}{\text{"All" Sales Utilization}}$		

For commodities with components not identified by market channel, substitute breakdown name for fresh/processing market and use the same procedure. The procedure used for computation of U.S. marketing year average price follows:

U.S. MYAP COMPUTATION PROCEDURE

Fresh Market MYAP	=	$\frac{\text{Fresh Market Value for all States}}{\text{Fresh Market Utilization for all States}}$
Process Market MYAP	=	$\frac{\text{Process Market Value for all States}}{\text{Process Market Utilization for all States}}$
"All" Sales MYAP	=	$\frac{\text{Sales Value for all States}}{\text{Sales Utilization for all States}}$

CITRUS FRUITS

CROP AND SEASON	BEARING ACREAGE	PRODUCTION	UTILIZATION OF PRODUCTION:		VALUE OF PRODUCTION
			FRESH	PROCESSED	
	ACRES		1,000 TONS		1,000 DOLS
U S TOTALS					
ORANGES					
EARLY, MIDSEASON AND NAVEL					
1981-82	416,700	4,511	1,132	3,379	654,563
1982-83	405,700	4,858	1,416	3,442	673,793
1983-84	365,500	4,520	1,248	3,272	682,668
1984-85	316,800	3,476	1,083	2,393	806,795
1985-86	298,500	4,156	1,250	2,906	623,019
1986-87	305,900	4,314	1,283	3,031	687,815
VALENCIA					
1981-82	361,000	3,089	685	2,404	512,738
1982-83	345,100	4,661	907	3,754	643,263
1983-84	322,700	2,723	619	2,104	621,217
1984-85	300,900	3,243	793	2,450	648,615
1985-86	263,000	3,320	862	2,458	467,409
1986-87	263,600	3,383	787	2,596	634,684
ALL ORANGES					
1981-82	777,700	7,600	1,817	5,783	1,167,301
1982-83	750,800	9,519	2,323	7,196	1,317,056
1983-84	688,200	7,243	1,867	5,376	1,303,885
1984-85	617,700	6,719	1,876	4,843	1,455,410
1985-86	561,500	7,476	2,112	5,364	1,090,428
1986-87	569,500	7,697	2,070	5,627	1,322,499
GRAPEFRUIT					
1981-82	199,100	2,878	1,158	1,720	227,592
1982-83	199,300	2,465	1,297	1,168	186,197
1983-84	191,600	2,184	1,028	1,156	220,196
1984-85	162,800	2,266	911	1,355	310,530
1985-86	145,200	2,352	1,088	1,264	341,957
1986-87	147,900	2,586	1,200	1,386	414,395
LEMONS					
1981-82	75,800	942	401	541	105,688
1982-83	71,500	950	436	514	109,298
1983-84	69,800	788	428	360	117,408
1984-85	66,600	967	441	526	168,276
1985-86	65,300	692	433	259	217,065
1986-87	63,900	1,087	469	618	182,171

CITRUS FRUITS

CROP AND SEASON	BEARING ACREAGE	PRODUCTION	UTILIZATION OF PRODUCTION:		VALUE OF PRODUCTION
			FRESH	PROCESSED	
	ACRES		1,000 TONS		1,000 DOLS
U S TOTALS					
LIMES					
1981-82	6,400	58	28	30	16,170
1982-83	7,300	75	43	32	22,255
1983-84	7,000	63	36	27	17,506
1984-85	6,700	72	45	27	19,901
1985-86	6,800	76	39	37	21,901
1986-87	6,700	63	37	26	19,569
TANGELOS					
1981-82	16,100	229	80	149	27,865
1982-83	15,600	171	85	86	24,102
1983-84	12,300	162	72	90	22,796
1984-85	10,100	162	66	96	34,354
1985-86	9,500	133	60	73	19,141
1986-87	9,500	180	59	121	24,626
TANGERINES 1/					
1981-82	32,400	288	150	138	53,125
1982-83	31,300	291	179	112	56,457
1983-84	25,500	262	163	99	52,020
1984-85	23,200	193	122	71	65,554
1985-86	20,600	196	131	65	61,952
1986-87	19,300	228	157	71	69,720
TEMPLES					
1981-82	16,800	144	38	106	18,862
1982-83	15,800	211	70	141	28,056
1983-84	13,500	130	34	96	21,489
1984-85	12,200	146	28	118	26,225
1985-86	10,000	133	41	92	16,052
1986-87	9,400	153	47	106	20,513

1/ PER PROGRAM MODIFICATION, FLORIDA "ALL TANGERINES" INCLUDE HONEY TANGERINES BEGINNING WITH THE 1987-88 CROP YEAR. ESTIMATES STARTING WITH THE 1981-82 SEASON HAVE BEEN REVISED TO INCLUDE THE HONEY VARIETY.

CITRUS FRUITS

STATE AND SEASON	BEARING ACREAGE	PRODUCTION	UTILIZATION OF PRODUCTION:		VALUE OF PRODUCTION
			FRESH	PROCESSED	
	ACRES		1,000 TONS		1,000 DOLS
U S TOTALS					
ARIZ					
1981-82	46,800	459	231	228	49,898
1982-83	42,400	474	275	199	55,496
1983-84	41,200	329	226	103	48,974
1984-85 1/	38,400	442	251	191	79,798
1985-86	36,500	320	219	101	85,415
1986-87	35,500	493	245	248	70,941
CALIF					
1981-82	264,800	2,541	1,720	821	486,869
1982-83	260,000	3,945	2,161	1,784	443,350
1983-84	259,300	2,783	1,947	836	543,913
1984-85 1/	254,500	3,069	2,117	952	730,629
1985-86	252,800	2,930	2,232	698	616,598
1986-87	250,700	3,377	2,197	1,180	668,962
FLA 2/ 3/					
1981-82	747,900	8,331	1,291	7,040	1,015,375
1982-83	723,000	8,574	1,543	7,031	1,194,993
1983-84	639,800	7,485	1,282	6,203	1,141,803
1984-85	575,900	7,014	1,121	5,893	1,269,823
1985-86	507,800	7,785	1,433	6,352	1,061,266
1986-87	514,500	8,009	1,501	6,508	1,290,999
TEX					
1981-82	64,800	808	430	378	64,461
1982-83	66,200	689	454	235	49,582
1983-84	67,600	235	173	62	20,610
1984-85 4/	30,500	0	0	0	0
1985-86	21,800	23	20	3	5,217
1986-87	25,500	115	96	19	22,591
U S 2/ 3/					
1981-82	1,124,300	12,139	3,672	8,467	1,616,603
1982-83	1,091,600	13,682	4,433	9,249	1,743,421
1983-84	1,007,900	10,832	3,628	7,204	1,755,300
1984-85 1/	899,300	10,525	3,489	7,036	2,080,250
1985-86	818,900	11,058	3,904	7,154	1,768,496
1986-87	826,200	11,994	4,039	7,955	2,053,493

- 1/ VALUE OF PRODUCTION REVISED DUE TO CHANGES IN COST FROM FOB TO PHD.
 2/ PER PROGRAM MODIFICATION, FLORIDA "ALL TANGERINES" INCLUDE HONEY TANGERINES BEGINNING WITH THE 1987-88 CROP YEAR. ESTIMATES STARTING WITH THE 1981-82 SEASON HAVE BEEN REVISED TO INCLUDE THE HONEY VARIETY.
 3/ DOES NOT INCLUDE FLORIDA LEMONS AND K-EARLY CITRUS FRUIT.
 4/ DUE TO THE SEVERE FREEZE OF DECEMBER 1983, NO COMMERCIAL SUPPLIES WERE HARVESTED FOR THE 1984-85 TEXAS CITRUS CROP SEASON.

ORANGES

STATE, CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION		
			FRESH	PROCESSED	TOTAL
	ACRES	BOXES	1,000 BOXES 1/		
ARIZONA					
NAVEL AND MISC.					
1981-82	5,600	161	720	180	900
1982-83	5,100	206	915	135	1,050
1983-84	5,100	94	420	60	480
1984-85	4,200	119	470	30	500
1985-86	4,200	131	485	65	550
1986-87	4,300	233	860	140	1,000
VALENCIA					
1981-82	8,000	269	1,400	750	2,150
1982-83	7,500	367	1,630	1,120	2,750
1983-84	7,500	167	1,030	220	1,250
1984-85	6,700	231	1,135	415	1,550
1985-86	6,800	218	1,160	320	1,480
1986-87	6,600	258	1,100	600	1,700
ALL					
1981-82	13,600	224	2,120	930	3,050
1982-83	12,600	302	2,545	1,255	3,800
1983-84	12,600	137	1,450	280	1,730
1984-85	10,900	188	1,605	445	2,050
1985-86	11,000	185	1,645	385	2,030
1986-87	10,900	248	1,960	740	2,700
CALIFORNIA					
NAVEL AND MISC.					
1981-82	108,000	245	21,200	5,300	26,500
1982-83	109,000	369	27,200	13,000	40,200
1983-84	109,000	309	25,350	8,350	33,700
1984-85	108,000	243	23,100	3,100	26,200
1985-86	107,000	308	26,500	6,500	33,000
1986-87	106,000	325	26,500	8,000	34,500
VALENCIA					
1981-82	72,200	213	12,200	3,200	15,400
1982-83	68,400	525	16,050	19,850	35,900
1983-84	68,100	217	12,200	2,600	14,800
1984-85	67,300	389	17,300	8,900	26,200
1985-86	67,600	309	17,100	3,800	20,900
1986-87	66,900	350	15,200	8,200	23,400
ALL					
1981-82	180,200	233	33,400	8,500	41,900
1982-83	177,400	429	43,250	32,850	76,100
1983-84	177,100	274	37,550	10,950	48,500
1984-85	175,300	299	40,400	12,000	52,400
1985-86	174,600	309	43,600	10,300	53,900
1986-87	172,900	335	41,700	16,200	57,900

1/ SEE PAGE 4 FOR NET WEIGHT PER BOX.

ORANGES

STATE, CROP AND SEASON	PRICE PER BOX 1/			VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
	DOLLARS			1,000 DOLLARS		
ARIZONA						
NAVEL AND MISC.						
1981-82	7.23	0.59	5.90	5,206	106	5,312
1982-83	9.84	1.20	8.73	9,004	162	9,166
1983-84	8.92	0.38	7.85	3,746	23	3,769
1984-85	12.74	2.56	12.13	5,988	77	6,065
1985-86	10.40	-0.10	9.16	5,044	-7	5,037
1986-87	9.00	-0.12	7.72	7,740	-17	7,723
VALENCIAS						
1981-82	8.25	1.89	6.03	11,550	1,418	12,968
1982-83	4.47	1.88	3.42	7,286	2,106	9,392
1983-84	9.24	1.92	7.95	9,517	422	9,939
1984-85	10.55	3.04	8.54	11,974	1,262	13,236
1985-86	7.60	0.36	6.03	8,816	115	8,931
1986-87	7.44	1.38	5.30	8,184	828	9,012
ALL						
1981-82	7.90	1.64	5.99	16,756	1,524	18,280
1982-83	6.40	1.81	4.88	16,290	2,268	18,558
1983-84	9.15	1.59	7.92	13,263	445	13,708
1984-85	11.19	3.01	9.42	17,962	1,339	19,301
1985-86	8.43	0.28	6.88	13,860	108	13,968
1986-87	8.12	1.10	6.20	15,924	811	16,735
CALIFORNIA						
NAVEL AND MISC.						
1981-82	8.88	0.60	7.22	188,256	3,180	191,436
1982-83	6.24	1.20	4.61	169,728	15,600	185,328
1983-84	7.28	0.38	5.57	184,548	3,173	187,721
1984-85	12.54	2.56	11.36	289,674	7,936	297,610
1985-86	8.90	0.02	7.15	235,850	130	235,980
1986-87	9.20	-0.12	7.04	243,800	-960	242,840
VALENCIAS						
1981-82	14.04	1.88	11.51	171,288	6,016	177,304
1982-83	5.86	1.88	3.66	94,053	37,318	131,371
1983-84	16.84	1.92	14.22	205,448	4,992	210,440
1984-85	10.48	3.04	7.95	181,304	27,056	208,360
1985-86	7.40	0.64	6.17	126,540	2,432	128,972
1986-87	11.84	1.38	8.17	179,968	11,316	191,284
ALL						
1981-82	10.76	1.08	8.80	359,544	9,196	368,740
1982-83	6.10	1.61	4.16	263,781	52,918	316,699
1983-84	10.39	0.75	8.21	389,996	8,165	398,161
1984-85	11.66	2.92	9.66	470,978	34,992	505,970
1985-86	8.31	0.25	6.77	362,390	2,562	364,952
1986-87	10.16	0.64	7.50	423,768	10,356	434,124

1/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS.

ORANGES

STATE, CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION		
			FRESH	PROCESSED	TOTAL
	ACRES	BOXES	1,000 BOXES 1/		
FLORIDA					
EARLY, MIDSEASON:					
1981-82	289,600	256	4,929	69,071	74,000
1982-83	277,800	253	6,067	64,133	70,200
1983-84	237,300	294	4,939	64,761	69,700
1984-85	198,300	277	4,418	50,582	55,000
1985-86	182,300	352	5,121	59,079	64,200
1986-87	189,100	348	5,267	60,533	65,800
VALENCIA					
1981-82	270,600	191	2,691	49,109	51,800
1982-83	259,000	268	4,253	65,147	69,400
1983-84	236,900	198	2,701	44,299	47,000
1984-85	221,800	220	2,234	46,666	48,900
1985-86	185,300	297	3,839	51,161	55,000
1986-87	186,300	289	3,603	50,297	53,900
ALL					
1981-82	560,200	225	7,620	118,180	125,800
1982-83	536,800	260	10,320	129,280	139,600
1983-84	474,200	246	7,640	109,060	116,700
1984-85	420,100	247	6,652	97,248	103,900
1985-86	367,600	324	8,960	110,240	119,200
1986-87	375,400	319	8,870	110,830	119,700
TEXAS 2/					
EARLY, MIDSEASON:					
1981-82	13,500	267	2,070	1,540	3,610
1982-83	13,800	260	2,100	1,490	3,590
1983-84	14,100	170	1,390	1,010	2,400
1984-85	6,300	0	0	0	0
1985-86	5,000	40	190	10	200
1986-87	6,500	77	460	40	500
VALENCIA					
1981-82	10,200	228	1,250	1,080	2,330
1982-83	10,200	205	1,240	850	2,090
1983-84	10,200	11	0	110	110
1984-85	5,100	0	0	0	0
1985-86	3,300	33	100	10	110
1986-87	3,800	99	325	50	375
ALL					
1981-82	23,700	251	3,320	2,620	5,940
1982-83	24,000	237	3,340	2,340	5,680
1983-84	24,300	103	1,390	1,120	2,510
1984-85	11,400	0	0	0	0
1985-86	8,300	37	290	20	310
1986-87	10,300	85	785	90	875

1/ SEE PAGE 4 FOR NET WEIGHT PER BOX.

2/ INCLUDES SMALL QUANTITIES OF TANGERINES IN EARLY MIDSEASON.

ORANGES

STATE, CROP AND SEASON	PRICE PER BOX 1/			VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
	DOLLARS			1,000 DOLLARS		
FLORIDA						
EARLY, MIDSEASON:						
1981-82	8.00	5.83	5.97	39,432	402,684	442,116
1982-83	8.75	6.38	6.58	53,086	409,169	462,255
1983-84	8.60	6.76	6.89	42,475	437,784	480,259
1984-85	13.70	8.75	9.15	60,527	442,593	503,120
1985-86	8.40	5.70	5.92	43,016	336,750	379,766
1986-87	8.10	6.43	6.56	42,663	389,227	431,890
VALENCIA						
1981-82	8.60	5.85	5.99	23,143	287,288	310,431
1982-83	6.05	7.18	7.11	25,731	467,755	493,486
1983-84	11.30	8.35	8.52	30,521	369,897	400,418
1984-85	11.50	8.60	8.73	25,691	401,328	427,019
1985-86	5.90	5.98	5.97	22,650	305,943	328,593
1986-87	8.30	8.00	8.02	29,905	402,376	432,281
ALL						
1981-82	8.21	5.84	5.98	62,575	689,972	752,547
1982-83	7.64	6.78	6.85	78,817	876,924	955,741
1983-84	9.55	7.41	7.55	72,996	807,681	880,677
1984-85	12.96	8.68	8.95	86,218	843,921	930,139
1985-86	7.33	5.83	5.94	65,666	642,693	708,359
1986-87	8.18	7.14	7.22	72,568	791,603	864,171
TEXAS						
EARLY, MIDSEASON:						
1981-82	4.72	3.85	4.35	9,770	5,929	15,699
1982-83	5.42	3.80	4.75	11,382	5,662	17,044
1983-84	5.08	3.82	4.55	7,061	3,858	10,919
1984-85	0	0	0	0	0	0
1985-86	11.48	5.52	11.18	2,181	55	2,236
1986-87	11.36	3.40	10.72	5,226	136	5,362
VALENCIA						
1981-82	5.42	4.87	5.17	6,775	5,260	12,035
1982-83	4.39	4.20	4.31	5,444	3,570	9,014
1983-84	0	3.82	3.82	0	420	420
1984-85	0	0	0	0	0	0
1985-86	8.64	4.90	8.30	864	49	913
1986-87	5.82	4.29	5.62	1,892	215	2,107
ALL						
1981-82	4.98	4.27	4.67	16,545	11,189	27,734
1982-83	5.04	3.95	4.59	16,826	9,232	26,058
1983-84	5.08	3.82	4.52	7,061	4,278	11,339
1984-85	0	0	0	0	0	0
1985-86	10.50	5.20	10.16	3,045	104	3,149
1986-87	9.07	3.90	8.54	7,118	351	7,469

1/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS.

ORANGES

CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION		
			FRESH	PROCESSED	TOTAL
	ACRES	BOXES	1,000 BOXES		
U S TOTALS					
EARLY, MIDSEASON: AND NAVEL					
1981-82	416,700	252	28,919	76,091	105,010
1982-83	405,700	284	36,282	78,758	115,040
1983-84	365,500	291	32,099	74,181	106,280
1984-85	316,800	258	27,988	53,712	81,700
1985-86	298,500	328	32,296	65,654	97,950
1986-87	305,900	333	33,087	68,713	101,800
VALENCIA					
1981-82	361,000	199	17,541	54,139	71,680
1982-83	345,100	319	23,173	86,967	110,140
1983-84	322,700	196	15,931	47,229	63,160
1984-85	300,900	255	20,669	55,981	76,650
1985-86	263,000	295	22,199	55,291	77,490
1986-87	263,600	301	20,228	59,147	79,375
TOTAL					
1981-82	777,700	227	46,460	130,230	176,690
1982-83	750,800	300	59,455	165,725	225,180
1983-84	688,200	246	48,030	121,410	169,440
1984-85	617,700	256	48,657	109,693	158,350
1985-86	561,500	312	54,495	120,945	175,440
1986-87	569,500	318	53,315	127,860	181,175

ORANGES PROCESSED 1/, FLORIDA

SEASON	FROZEN CONCENTRATES	CHILLED PRODUCTS	OTHER PROCESSED 2/	TOTAL PROCESSED
	1,000 BOXES			
1981-82	105,150	16,518	4,473	126,141
1982-83	114,627	18,254	2,665	135,546
1983-84	94,547	16,981	2,909	114,437
1984-85	86,112	14,903	1,907	102,922
1985-86	96,061	17,267	1,361	114,689
1986-87	96,182	19,661	948	116,791

1/ INCLUDES TANGELOS, TEMPLES, TANGERINES AND K-EARLY CITRUS.

2/ INCLUDES CANNERY JUICE, BLEND, SECTIONS AND SALADS.

ORANGES

CROP AND SEASON	PRICE PER BOX 1/ 2/			VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
	DOLLARS			1,000 DOLLARS		
U S						
EARLY, MIDSEASON: AND NAVEL						
1981-82	8.37	5.48	6.20	242,664	411,899	654,563
1982-83	6.78	5.60	5.94	243,200	430,593	673,793
1983-84	7.45	6.11	6.48	237,830	444,838	682,668
1984-85	12.76	8.45	9.79	356,189	450,606	806,795
1985-86	8.85	5.22	6.31	286,091	336,928	623,019
1986-87	9.03	5.77	6.74	299,429	388,386	687,815
VALENCIA						
1981-82	11.99	5.59	7.01	212,756	299,982	512,738
1982-83	5.74	6.04	5.98	132,514	510,749	643,263
1983-84	15.27	8.02	9.66	245,486	375,731	621,217
1984-85	10.61	7.81	8.49	218,969	429,646	648,615
1985-86	7.12	5.64	6.03	158,870	308,539	467,409
1986-87	10.78	7.16	8.00	219,949	414,735	634,684
TOTAL						
1981-82	9.73	5.53	6.53	455,420	711,881	1,167,301
1982-83	6.37	5.83	5.96	375,714	941,342	1,317,056
1983-84	10.04	6.86	7.68	483,316	820,569	1,303,885
1984-85	11.85	8.12	9.16	575,158	880,252	1,455,410
1985-86	8.14	5.41	6.18	444,961	645,467	1,090,428
1986-87	9.70	6.41	7.29	519,378	803,121	1,322,499

1/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS.

2/ U. S. MARKETING YEAR AVERAGE PRICES ARE DERIVED BY WEIGHTING THE STATE MARKETING YEAR AVERAGE PRICES PER BOX BY THE RESPECTIVE BOX WEIGHTS.

FROZEN CONCENTRATED ORANGE JUICE 1/, FLORIDA

SEASON	EARLY, MIDSEASON	VALENCIA	ALL
GALLONS PER BOX			
1981-82	1.31576	1.21496	1.27730
1982-83	1.41625	1.55933	1.48305
1983-84	1.23692	1.39011	1.28931
1984-85	1.39083	1.35988	1.37578
1985-86	1.35822	1.40629	1.37834
1986-87	1.44643	1.59621	1.50827

1/ GALLONS PER BOX AT 42.0 DEGREES BRUX.

GRAPEFRUIT

STATE, CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION		
			FRESH	PROCESSED	TOTAL
	ACRES	BOXES		1,000 BOXES 1/	
ARIZONA					
ALL					
1981-82	8,200	293	1,110	1,290	2,400
1982-83	6,800	485	1,980	1,320	3,300
1983-84	6,800	368	1,700	800	2,500
1984-85	7,100	472	2,180	1,170	3,350
1985-86	5,700	491	1,800	1,000	2,800
1986-87	5,900	466	1,740	1,010	2,750
CALIFORNIA					
DESERT					
1981-82	10,400	327	1,925	1,475	3,400
1982-83	9,900	414	2,420	1,680	4,100
1983-84	10,300	324	2,020	1,320	3,340
1984-85	9,700	392	2,600	1,200	3,800
1985-86	9,400	383	2,400	1,200	3,600
1986-87	9,200	467	2,600	1,700	4,300
OTHER AREAS					
1981-82	11,600	237	1,780	970	2,750
1982-83	11,800	271	2,000	1,200	3,200
1983-84	11,600	336	2,600	1,300	3,900
1984-85	11,400	439	3,600	1,400	5,000
1985-86	11,500	391	3,300	1,200	4,500
1986-87	11,600	431	3,250	1,750	5,000
ALL					
1981-82	22,000	280	3,705	2,445	6,150
1982-83	21,700	336	4,420	2,880	7,300
1983-84	21,900	331	4,620	2,620	7,240
1984-85	21,100	417	6,200	2,600	8,800
1985-86	20,900	388	5,700	2,400	8,100
1986-87	20,800	447	5,850	3,450	9,300

1/ SEE PAGE 4 FOR NET WEIGHT PER BOX.

GRAPEFRUIT

STATE, CROP AND SEASON	PRICE PER BOX 1/			VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
	DOLLARS			1,000 DOLLARS		
ARIZONA						
ALL						
1981-82	5.01	0.08	2.36	5,561	103	5,664
1982-83	4.21	0.12	2.57	8,336	158	8,494
1983-84	5.78	-0.08	3.90	9,826	-64	9,762
1984-85	8.10	1.09	5.65	17,658	1,275	18,933
1985-86	7.14	0.69	4.84	12,852	690	13,542
1986-87	7.48	0.90	5.06	13,015	909	13,924
CALIFORNIA						
DESERT						
1981-82	5.28	0.08	3.02	10,164	118	10,282
1982-83	4.71	0.12	2.83	11,398	202	11,600
1983-84	6.68	-0.08	4.01	13,494	-106	13,388
1984-85	9.48	1.09	6.83	24,648	1,308	25,956
1985-86	9.86	0.70	6.81	23,664	840	24,504
1986-87	8.48	0.90	5.48	22,048	1,530	23,578
OTHER AREAS						
1981-82	5.28	-0.02	3.41	9,398	-19	9,379
1982-83	6.34	0.04	3.98	12,680	48	12,728
1983-84	6.72	-0.16	4.43	17,472	-208	17,264
1984-85	9.86	1.06	7.40	35,496	1,484	36,980
1985-86	10.32	0.60	7.73	34,056	720	34,776
1986-87	9.66	0.73	6.53	31,395	1,278	32,673
ALL 2/						
1981-82	5.28	0.04	3.20	19,562	99	19,661
1982-83	5.47	0.09	3.35	24,078	250	24,328
1983-84	6.70	-0.12	4.24	30,966	-314	30,652
1984-85	9.70	1.07	7.16	60,144	2,792	62,936
1985-86	10.13	0.65	7.33	57,720	1,560	59,280
1986-87	9.15	0.81	6.06	53,443	2,808	56,251

1/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS.

2/ MARKETING YEAR AVERAGE PRICES FOR ALL CALIFORNIA GRAPEFRUIT ARE DERIVED BY WEIGHTING THE MARKETING YEAR AVERAGE PRICES FOR EACH AREA BY THEIR RESPECTIVE BOX WEIGHTS.

GRAPEFRUIT PROCESSED, FLORIDA

SEASON	FROZEN	CHILLED	OTHER	TOTAL
	CONCENTRATES	PRODUCTS	PROCESSED 1/	PROCESSED
	1,000 BOXES			
1981-82	20,052	2,406	8,923	31,381
1982-83	13,977	1,731	5,379	21,087
1983-84	18,728	1,320	4,191	24,239
1984-85	22,996	1,065	4,951	29,012
1985-86	21,572	1,189	4,369	27,130
1986-87	24,143	2,295	2,424	28,862

1/ INCLUDES CANNERY JUICE, BLEND, SECTIONS AND SALADS.

GRAPEFRUIT

STATE, CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION		
			FRESH	PROCESSED	TOTAL
	ACRES	BOXES	1,000 BOXES 1/		
FLORIDA					
WHITE SEEDLESS					
1981-82	65,800	415	8,329	18,971	27,300
1982-83	65,400	333	9,045	12,755	21,800
1983-84	60,500	380	7,642	15,358	23,000
1984-85	58,200	426	5,350	19,450	24,800
1985-86	53,400	479	6,735	18,865	25,600
1986-87	53,000	508	7,086	19,814	26,900
COLORED SEEDLESS:					
1981-82	42,700	347	8,390	6,410	14,800
1982-83	44,200	290	9,268	3,532	12,800
1983-84	43,800	306	9,019	4,381	13,400
1984-85	44,600	365	9,638	6,662	16,300
1985-86	41,400	435	12,885	5,115	18,000
1986-87	43,500	460	13,852	6,148	20,000
OTHER 2/					
1981-82	19,300	311	0	6,000	6,000
1982-83	19,000	253	0	4,800	4,800
1983-84	15,300	294	0	4,500	4,500
1984-85	12,700	228	0	2,900	2,900
1985-86	10,300	306	0	3,150	3,150
1986-87	9,500	305	0	2,900	2,900
ALL					
1981-82	127,800	376	16,719	31,381	48,100
1982-83	128,600	306	18,313	21,087	39,400
1983-84	119,600	342	16,661	24,239	40,900
1984-85	115,500	381	14,988	29,012	44,000
1985-86	105,100	445	19,620	27,130	46,750
1986-87	106,000	470	20,938	28,862	49,800
TEXAS					
ALL					
1981-82	41,100	338	7,230	6,670	13,900
1982-83	42,200	265	7,800	3,400	11,200
1983-84	43,300	74	2,860	340	3,200
1984-85	19,100	0	0	0	0
1985-86	13,500	16	200	20	220
1986-87	15,200	127	1,555	370	1,925
U S					
TOTAL					
1981-82	199,100	354	28,764	41,786	70,550
1982-83	199,300	307	32,513	28,687	61,200
1983-84	191,600	281	25,841	27,999	53,840
1984-85	162,800	345	23,368	32,782	56,150
1985-86	145,200	399	27,320	30,550	57,870
1986-87	147,900	431	30,083	33,692	63,775

1/ SEE PAGE 4 FOR NET WEIGHT PER BOX.

2/ FRESH SALES INSIGNIFICANT AND INCLUDED IN PROCESSED SALES WHERE VALUE IS 0.

GRAPEFRUIT

STATE, CROP AND SEASON	PRICE PER BOX 1/			VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
	DOLLARS			1,000 DOLLARS		
FLORIDA						
WHITE SEEDLESS						
1981-82	5.31	2.39	3.28	44,227	45,341	89,568
1982-83	4.11	1.97	2.86	37,175	25,127	62,302
1983-84	4.34	3.16	3.55	33,166	48,531	81,697
1984-85	5.44	4.32	4.56	29,104	84,024	113,128
1985-86	5.80	4.98	5.20	39,063	93,948	133,011
1986-87	6.30	6.01	6.09	44,642	119,082	163,724
COLORED SEEDLESS:						
1981-82	6.24	1.41	4.15	52,354	9,038	61,392
1982-83	5.70	1.45	4.53	52,828	5,121	57,949
1983-84	6.65	3.08	5.48	59,976	13,493	73,469
1984-85	8.05	3.92	6.36	77,586	26,115	103,701
1985-86	7.30	4.82	6.60	94,061	24,654	118,715
1986-87	8.10	5.88	7.42	112,201	36,150	148,351
OTHER 2/						
1981-82		2.43	2.43		14,580	14,580
1982-83		2.00	2.00		9,600	9,600
1983-84		3.41	3.41		15,345	15,345
1984-85		4.08	4.08		11,832	11,832
1985-86		4.87	4.87		15,341	15,341
1986-87		5.87	5.87		17,023	17,023
ALL						
1981-82	5.78	2.20	3.44	96,581	68,959	165,540
1982-83	4.91	1.89	3.30	90,003	39,848	129,851
1983-84	5.59	3.19	4.17	93,142	77,369	170,511
1984-85	7.12	4.20	5.20	106,690	121,971	228,661
1985-86	6.79	4.94	5.71	133,124	133,943	267,067
1986-87	7.49	5.97	6.61	156,843	172,255	329,098
TEXAS						
ALL						
1981-82	3.41	1.81	2.64	24,654	12,073	36,727
1982-83	2.58	1.00	2.10	20,124	3,400	23,524
1983-84	3.10	1.19	2.90	8,866	405	9,271
1984-85	0	0	0	0	0	0
1985-86	9.89	4.48	9.40	1,978	90	2,068
1986-87	8.63	4.60	7.86	13,420	1,702	15,122
U S						
TOTAL 3/						
1981-82	5.11	1.99	3.24	146,358	81,234	227,592
1982-83	4.38	1.58	3.06	142,541	43,656	186,197
1983-84	5.49	2.85	4.09	142,800	77,396	220,196
1984-85	7.77	3.92	5.47	184,492	126,038	310,530
1985-86	7.41	4.57	5.87	205,674	136,283	341,957
1986-87	7.81	5.42	6.53	236,721	177,674	414,395

1/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS.

2/ FRESH SALES INSIGNIFICANT AND INCLUDED IN PROCESSED SALES WHERE VALUE IS 0.

3/ U.S. MARKETING YEAR AVERAGE PRICES ARE DERIVED BY WEIGHTING THE STATE MARKETING YEAR AVERAGE PRICES PER BOX BY THE RESPECTIVE BOX WEIGHTS.

LEMONS, LIMES, AND TANGELOS

STATE, CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION		
			FRESH	PROCESSED	TOTAL
	ACRES	BOXES	1,000 BOXES 1/		
LEMONS					
ARIZONA					
1981-82	21,600	292	2,580	3,720	6,300
1982-83	19,500	241	2,215	2,485	4,700
1983-84	18,300	191	2,030	1,470	3,500
1984-85	17,000	332	2,250	3,400	5,650
1985-86	16,500	188	1,890	1,210	3,100
1986-87	15,500	458	2,345	4,755	7,100
CALIFORNIA					
1981-82	54,200	341	7,970	10,530	18,500
1982-83	52,000	390	9,250	11,050	20,300
1983-84	51,500	335	9,240	8,010	17,250
1984-85	49,600	399	9,350	10,450	19,800
1985-86	48,800	309	9,500	5,600	15,100
1986-87	48,400	444	10,000	11,500	21,500
U S					
1981-82	75,800	327	10,550	14,250	24,800
1982-83	71,500	350	11,465	13,535	25,000
1983-84	69,800	297	11,270	9,480	20,750
1984-85	66,600	382	11,600	13,850	25,450
1985-86	65,300	279	11,390	6,810	18,200
1986-87	63,900	448	12,345	16,255	28,600
LIMES					
FLORIDA					
1981-82	6,400	203	625	675	1,300
1982-83	7,300	233	975	725	1,700
1983-84	7,000	206	825	615	1,440
1984-85	6,700	245	1,025	615	1,640
1985-86	6,800	254	880	845	1,725
1986-87	6,700	216	850	600	1,450
TANGELOS					
FLORIDA					
1981-82	16,100	317	1,780	3,320	5,100
1982-83	15,600	244	1,878	1,922	3,800
1983-84	12,300	293	1,596	2,004	3,600
1984-85	10,100	356	1,468	2,132	3,600
1985-86	9,500	311	1,338	1,612	2,950
1986-87	9,500	421	1,310	2,690	4,000

1/ SEE PAGE 4 FOR NET WEIGHT PER BOX.

LEMONS, LIMES AND TANGELOS

STATE, CROP AND SEASON	PRICE PER BOX 1/			VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
	DOLLARS			1,000 DOLLARS		
LEMONS						
ARIZONA						
1981-82	8.06	0.04	3.32	20,795	149	20,944
1982-83	8.89	0.24	4.32	19,691	596	20,287
1983-84	7.77	0.08	4.54	15,773	118	15,891
1984-85	9.80	1.68	4.91	22,050	5,712	27,762
1985-86	23.71	1.51	15.04	44,812	1,827	46,639
1986-87	9.08	1.68	4.12	21,293	7,988	29,281
CALIFORNIA						
1981-82	10.58	0.04	4.58	84,323	421	84,744
1982-83	9.36	0.22	4.38	86,580	2,431	89,011
1983-84	10.90	0.10	5.89	100,716	801	101,517
1984-85	13.24	1.60	7.10	123,794	16,720	140,514
1985-86	17.02	1.56	11.29	161,690	8,736	170,426
1986-87	13.38	1.66	7.11	133,800	19,090	152,890
U S						
1981-82	9.96	0.04	4.26	105,118	570	105,688
1982-83	9.27	0.22	4.37	106,271	3,027	109,298
1983-84	10.34	0.10	5.66	116,489	919	117,408
1984-85	12.57	1.62	6.61	145,844	22,432	168,276
1985-86	18.13	1.55	11.93	206,502	10,563	217,065
1986-87	12.56	1.67	6.37	155,093	27,078	182,171
LIMES						
FLORIDA						
1981-82	23.15	2.52	12.44	14,469	1,701	16,170
1982-83	21.10	2.32	13.09	20,573	1,682	22,255
1983-84	19.40	2.44	12.16	16,005	1,501	17,506
1984-85	17.40	3.36	12.13	17,835	2,066	19,901
1985-86	21.70	3.32	12.70	19,096	2,805	21,901
1986-87	20.70	3.29	13.50	17,595	1,974	19,569
TANGELOS						
FLORIDA						
1981-82	7.00	4.64	5.46	12,460	15,405	27,865
1982-83	7.85	4.87	6.34	14,742	9,360	24,102
1983-84	6.90	5.88	6.33	11,012	11,784	22,796
1984-85	12.80	7.30	9.54	18,790	15,564	34,354
1985-86	8.80	4.57	6.49	11,774	7,367	19,141
1986-87	8.10	5.21	6.16	10,611	14,015	24,626

1/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS.

TANGERINES AND TEMPLES

STATE, CROP AND SEASON	BEARING ACREAGE	YIELD PER ACRE	UTILIZATION OF PRODUCTION		
			FRESH	PROCESSED	TOTAL
	ACRES	BOXES	1,000 BOXES 1/		
TANGERINES					
ARIZONA					
1981-82	3,400	221	450	300	750
1982-83	3,500	371	886	414	1,300
1983-84	3,500	386	1,055	295	1,350
1984-85	3,400	324	900	200	1,100
1985-86	3,300	288	720	230	950
1986-87	3,200	281	725	175	900
CALIFORNIA					
1981-82	8,400	206	1,120	610	1,730
1982-83	8,900	242	1,140	1,010	2,150
1983-84	8,800	210	920	930	1,850
1984-85	8,500	198	1,145	535	1,680
1985-86	8,500	212	1,270	530	1,800
1986-87	8,600	259	1,632	598	2,230
FLORIDA 2/					
1981-82	20,600	199	1,917	2,183	4,100
1982-83	18,900	180	2,170	1,230	3,400
1983-84	13,200	225	1,858	1,117	2,975
1984-85	11,300	163	945	895	1,840
1985-86	8,800	222	1,189	761	1,950
1986-87	7,500	312	1,462	878	2,340
U S					
1981-82	32,400	203	3,487	3,093	6,580
1982-83	31,300	219	4,196	2,654	6,850
1983-84	25,500	242	3,833	2,342	6,175
1984-85	23,200	199	2,990	1,630	4,620
1985-86	20,600	228	3,179	1,521	4,700
1986-87	19,300	283	3,819	1,651	5,470
TEMPLES					
FLORIDA					
1981-82	16,800	190	838	2,362	3,200
1982-83	15,800	297	1,563	3,137	4,700
1983-84	13,500	215	762	2,138	2,900
1984-85	12,200	266	626	2,624	3,250
1985-86	10,000	295	913	2,037	2,950
1986-87	9,400	362	1,053	2,347	3,400

1/ SEE PAGE 4 FOR NET WEIGHT PER BOX.

2/ PER PROGRAM MODIFICATION, FLORIDA "ALL TANGERINES" INCLUDE HONEY TANGERINES BEGINNING WITH THE 1987-88 CROP YEAR. ESTIMATES STARTING WITH THE 1981-82 SEASON HAVE BEEN REVISED TO INCLUDE THE HONEY VARIETY.

TANGERINES AND TEMPLES

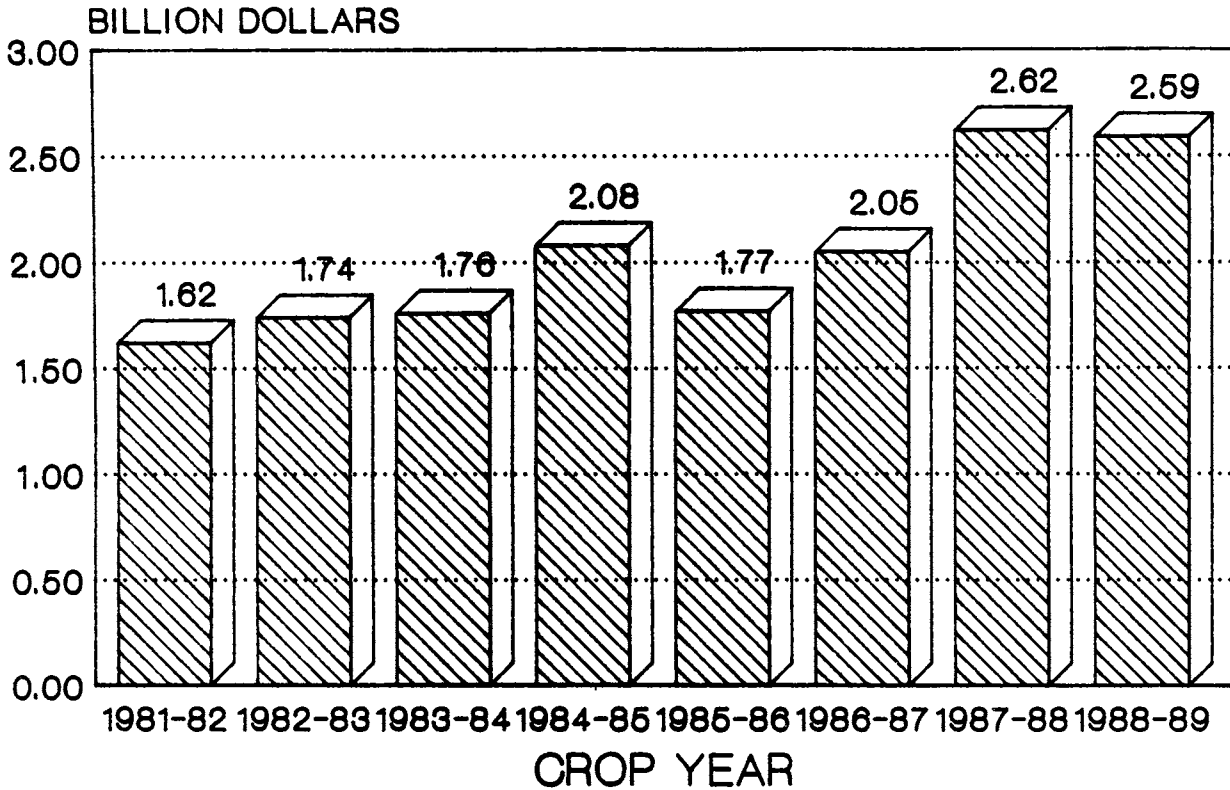
STATE, CROP AND SEASON	PRICE PER BOX 1/			VALUE OF PRODUCTION		
	FRESH	PROCESSED	ALL	FRESH	PROCESSED	TOTAL
	DOLLARS			1,000 DOLLARS		
TANGERINES						
ARIZONA						
1981-82	10.40	1.10	6.68	4,680	330	5,010
1982-83	8.72	1.04	6.27	7,726	431	8,157
1983-84	8.72	1.40	7.12	9,200	413	9,613
1984-85	14.66	3.04	12.55	13,194	608	13,802
1985-86	15.50	0.46	11.86	11,160	106	11,266
1986-87	14.84	1.38	12.22	10,759	242	11,001
CALIFORNIA						
1981-82	11.60	1.20	7.93	12,992	732	13,724
1982-83	10.80	0.99	6.19	12,312	1,000	13,312
1983-84	13.50	1.25	7.34	12,420	1,163	13,583
1984-85	17.28	2.66	12.62	19,786	1,423	21,209
1985-86	17.10	0.42	12.19	21,717	223	21,940
1986-87	15.24	1.38	11.52	24,872	825	25,697
FLORIDA						
1981-82	12.28	4.97	8.39	23,541	10,850	34,391
1982-83	13.50	4.63	10.29	29,293	5,695	34,988
1983-84	11.72	6.31	9.69	21,776	7,048	28,824
1984-85	25.35	7.36	16.60	23,956	6,587	30,543
1985-86	21.20	4.65	14.74	25,207	3,539	28,746
1986-87	19.20	5.64	14.11	28,070	4,952	33,022
U S 2/						
1981-82	11.88	4.03	8.12	41,213	11,912	53,125
1982-83	11.97	2.90	8.48	49,331	7,126	56,457
1983-84	11.37	3.98	8.57	43,396	8,624	52,020
1984-85	19.53	5.55	14.42	56,936	8,618	65,554
1985-86	18.54	2.79	13.34	58,084	3,868	61,952
1986-87	16.91	3.89	12.89	63,701	6,019	69,720
TEMPLES						
FLORIDA						
1981-82	8.50	4.97	5.89	7,123	11,739	18,862
1982-83	6.45	5.73	5.97	10,081	17,975	28,056
1983-84	10.30	6.38	7.41	7,849	13,640	21,489
1984-85	12.30	7.06	8.07	7,700	18,525	26,225
1985-86	8.30	4.16	5.44	7,578	8,474	16,052
1986-87	7.40	5.42	6.03	7,792	12,721	20,513

1/ EQUIVALENT PACKINGHOUSE-DOOR RETURNS.

2/ U. S. MARKETING YEAR AVERAGE PRICES ARE DERIVED BY WEIGHTING THE STATE MARKETING YEAR AVERAGE PRICES PER BOX BY THE RESPECTIVE BOX WEIGHTS.

U.S. CITRUS: VALUE OF PRODUCTION

1981 - 1982 THROUGH 1988 - 1989



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