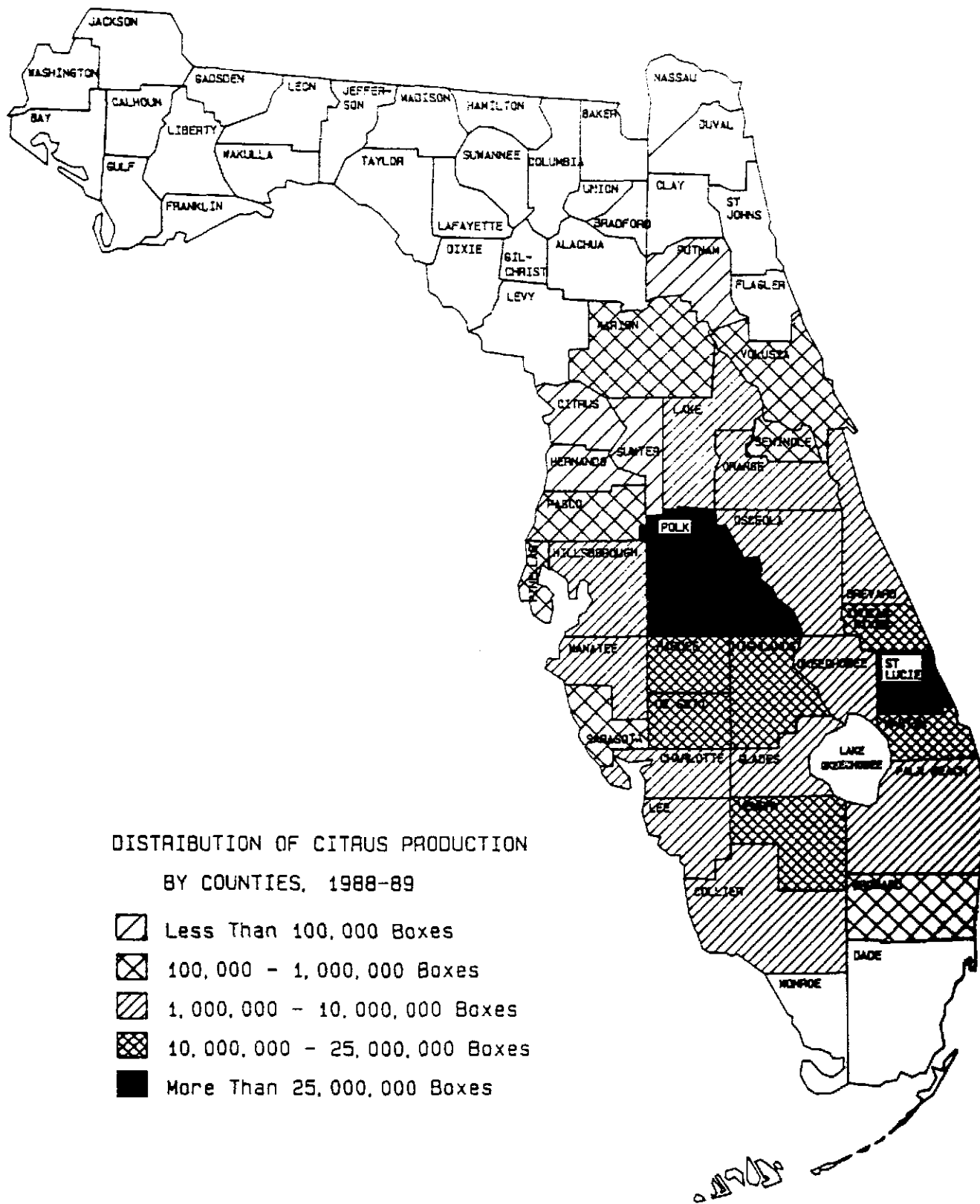


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Cover photographs courtesy of Florida Department of Citrus and Sead-Sweet Growers.



FLORIDA AGRICULTURAL STATISTICS



Citrus Summary 1988-89

FLORIDA DEPARTMENT OF AGRICULTURE
AND CONSUMER SERVICES
DOYLE CONNER, COMMISSIONER
TALLAHASSEE, FLORIDA

FLORIDA AGRICULTURAL
STATISTICS SERVICE

DIVISION OF MARKETING

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Cooperating with

U. S. Department of Agriculture
Agricultural Marketing Service
and
National Agricultural Statistics Service

ACKNOWLEDGMENT

The acreage, production, utilization, monthly and season average price, and crop value statistics for Florida as shown in this summary are official estimates of the Florida Agricultural Statistics Service. Corresponding data for other citrus states are from official reports of the USDA, National Agricultural Statistics Service. Canned and frozen pack statistics were compiled by the Florida Citrus Processors Association. Where data are from other sources, appropriate references appear.

Records of the Division of Fruit and Vegetable Inspection, Florida Department of Agriculture and Consumer Services, were used in preparing production and utilization estimates. The Citrus Administrative Committee assisted in assembling these data.

Many producers, shippers, processors, sales agencies, transportation firms, and others associated with the citrus industry voluntarily supplied basic data used to develop these statistics. Their contributions are sincerely appreciated.

This report was assembled under the direction of Robert R. Terry and Candice T. Erick of the Florida Agricultural Statistics Service.

For information call: (407) 648-6015.

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FLORIDA WEATHER HIGHLIGHTS, SELECTED AREAS AND MONTHS, 1988-89 CROP YEAR

Florida's citrus growing areas experienced good winter weather with adequate moisture levels and very few freezing temperatures prior to the spring 1988 bloom period. Trees in all areas of the State were in good condition for a normal **March-April** bloom.

The trees bloomed over a period of 3 to 4 weeks. Rainfall was sufficient in March but April's weekly amounts were very light in most areas until the end of the month. Rainfall amounts of 1 to 2.5 inches were recorded on April 30. Irrigation was in use in all areas to ensure a good fruit set.

The month of **May** was dry in many areas except for isolated showers. However, the central area received adequate rainfall with cumulative amounts near normal by **June**.

By mid-**July**, normal summer thunderstorms were supplying weekly rainfall amounts up to four inches. Frequent showers and thunderstorms coupled with high temperatures made a nearly ideal growing situation during **August**. Groves were in very good condition and trees showed an abundance of new foliage.

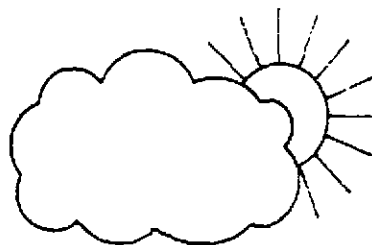
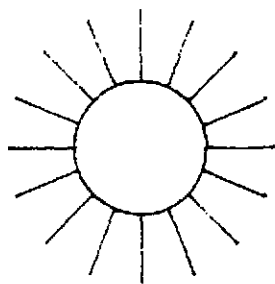
September rainfall also was adequate with heavy amounts in some areas. Cumulative totals were above normal in many areas.

October rainfall was very light but storms in early **November** brought weekly rainfall amounts of 3 inches in some areas.

By the end of **December**, 19 of 26 reporting stations in the citrus belt had reported above normal total rainfall for the year.

January temperatures were generally above normal levels with highs in the 80's. **February** also was quite warm with very little rainfall until the 24th and 25th of the month when temperatures as low as 25 degrees were experienced as far south as Immokalee. Trees in many areas were in full or near-full bloom. Much of this bloom and tender new growth was lost. There was minimal damage to fruit on the trees and no loss was reported.

Rainfall amounts in **March** were light and widely scattered with generally above normal temperatures.



1988-89 PRODUCTION AND TREE CENSUS

PRODUCTION

Florida's orange production increased for the fourth consecutive year. At 146.6 million boxes, the crop was six percent greater than the previous season's 138.0 million boxes. It was the largest harvest since the 1980-81 season when 172.4 million boxes were produced.

Grapefruit production totaled 54.75 million boxes, up slightly from the 53.85 million boxes in 1987-88. This crop was second only to the record high 54.8 million boxes harvested in 1979-80. Colored seedless grapefruit comprised 43 percent of the total with a record high 23.7 million boxes.

Production of Temples, K-Early Citrus Fruit, and tangerines increased while tangelo, lime, and lemon production declined.

The FCOJ final yield was surpassed only by the record set in 1987-88. The all orange final reported yield was 1.53625 gallons per box. Early and midseason oranges yielded 1.47532 and Valencias 1.62816 gallons per box.

California's increase in Navel oranges was offset by a reduced Valencia crop. Total orange production was 57.0 million boxes. The 8.5 million boxes of grapefruit harvested was the lowest since 1985-86.

Arizona's orange production of 1,700,000 boxes was the smallest crop since 1962-63. Production was below 2.1 million boxes for 5 of the 6 most recent seasons. Grapefruit held steady as the 1.95 million boxes picked equaled the harvest of 1987-88.

Texas has shown excellent recovery from the December 1983 freeze. The 1,850,000 box orange crop was 6 times as great as in 1985-86. Grapefruit at 4,800,000 boxes was almost 21 times greater than 1985-86.

TREE CENSUS

The Florida Agricultural Statistics Service first began indexing the State's commercial citrus groves on aerial photography as of January 1966. Ground crews identify all the State's groves by fruit type, row spacing, and year in which set. Photo interpreters in the Orlando office then delineate the groves by variety blocks on photo transparencies at a scale of 1 inch to 660 feet. Variety blocks are measured with planimeters to obtain acreage and then indexed by land section.

The inventory is designed for quick and economical updating. Since 1966, the citrus belt has been resurveyed each second winter (1968 through 1990) to determine changes. Photographing begins in November when weather conditions are most favorable and is generally completed in 80 to 90 days. The same three-mile-wide flight lines established in 1966 are photographed on each succeeding flight. Approximately 14,000 square miles of photography is obtained at a 1 to 30,000 scale.

The last statewide survey was conducted as of January 1988. Through 1987, all types of citrus planted totaled 697,929 acres, up 12 percent from the 624,492 acres recorded in January 1986. This is the largest two year increase since the tree census program began in 1966. Increases were highest in lower interior counties. Acreage by counties and types is shown on page 27.

Photography for the next survey began in November 1989 and field work will update the acreage records as of January 1990.

FLORIDA, ALL CITRUS: Acres in commercial groves as of January 1966 - 1988, with percent changes

Year	Acres	Percent change from	
		previous survey	1966 survey
1966	858,082	--	--
1968	931,249	+8.5	+8.5
1970	941,471	+1.1	+9.7
1972	878,019	-6.7	+2.3
1974	864,098	-1.6	+0.7
1976	852,369	-1.4	-0.7
1978	831,235	-2.5	-3.1
1980	845,283	+1.7	-1.5
1982	847,856	+0.3	-1.2
1984	761,365	-10.2	-11.3
1986	624,492	-18.0	-27.2
1988	697,929	+11.8	-18.7

CITRUS BOX WEIGHTS: Approximate net weight in pounds by fruit type and states

States	Oranges	Grapefruit	Tangerines	Lemons	Limes
Florida	90 1/	85	95	90	88
Calif.	75	65	75	76	--
Texas	85	80	--	--	--
Arizona	75	64	75	76	--

1/ Includes Temples and tangelos at 90 lbs.

1988-89 VALUE OF SALES, PRICES AND EXPORTS

VALUE

The preliminary on-tree value of all citrus for the 1988-89 season is \$1.408 billion. This is second only to the previous season's revised record high value of \$1.443 billion.

Preliminary value is based on that part of the crop priced at harvest, about 30 percent of the total. When all participation plans and cooperative pools are finalized, a revised value is calculated. The upward revision for the 1987-88 season is due to participation prices which were higher than the cash prices and lower pick and haul charges for oranges.

Preliminary orange prices are lower than 1987-88 prices. The average price per box is \$7.28 compared to a revised \$7.58; the fresh price is \$7.58, down from \$7.96; and the processing price is \$7.26, down from \$7.56. However, total orange value set a new record at \$1,067,442,000, up 2 percent from the revised 1987-88 value of \$1,046,700,000.

Grapefruit prices are lower for all methods of sales. The preliminary price per box for all grapefruit is \$4.52, a decrease from the previous season's revised price of \$5.57.

The season average delivered-in price of fruit going into FCOJ as reported by the Florida Citrus Processors Association is \$9.18 per box or \$1.48 per pound of solids. Early-mids averaged \$8.35 per box or \$1.42 per pound solids and Valencias averaged \$10.33 per box or \$1.56 per pound solids.

FLORIDA, ALL CITRUS: Value of sales on-tree, crop years 1979-80 through 1988-89

Crop year	Value		Crop year	Value
	1,000 dol.	::		1,000 dol.
1979-80	1,037,050	::	1984-85	984,820
1980-81	953,350	::	1985-86	725,034
1981-82	713,380	::	1986-87	941,078
1982-83	876,777	::	1987-88 1/	1,443,116
1983-84	849,457	::	1988-89 2/	1,408,018

1/ Revised. 2/ Preliminary.

FOREIGN EXPORTS

At 23,752,000 4/5 bushel cartons, exports of fresh citrus to countries other than Mexico and Canada surpassed last season's record high 20,891,000 cartons by almost 14 percent. A record 23,567,000 cartons of grapefruit were shipped abroad with 12,041,000 cartons going to Japan. Exports of other citrus fruits comprised less than one percent of the total. Orange exports equaled 154,000 cartons and tangerines 31,000.

A total of 7.8 million gallons of FCOJ were exported, compared to the previous season's 8.7 million gallons. Canada continues to be the major market. There were 3.7 million gallons of FCGJ exported, down from 4.5 million gallons during the 1987-88 season.

PRICES

All on-tree prices represent the average price received by growers for their fruit by types. Prices are based on records of commercial fresh fruit sales and processed fruit returns. The term "on-tree" relates to fruit value before it is picked and hauled from the grove. Each season, beginning with the first month that three percent of a fruit type is harvested, monthly estimates are computed. Reports from fresh fruit sales organizations and from packers provide data for an average f.o.b. price. Processors report an average spot and cash price for fruit delivered to their plants. From these values, an estimated charge for picking, hauling, and packing is deducted to arrive at an on-tree price. The anticipated box utilization for the month is used to combine the fresh and processing price to obtain an average price for all methods of sales. At the end of the season, monthly price averages are computed and weighted by boxes utilized, to provide the preliminary season average price.

A year later, after most processed products are sold, cooperatives and firms with participation plans report prices of fruit they handled. These prices, combined with the spot and cash prices collected earlier, are weighted together, by varieties, to determine the final processing price received by growers. From this price, charges for picking, hauling, and packing, as estimated by University of Florida economists, are deducted to arrive at the final on-tree price received by growers.

COUNTY PRODUCTION

Estimates of citrus production by counties were prepared using objective survey data obtained from the citrus crop estimates program. Production for Florida has been distributed to counties based on the biennial citrus tree census, limb count survey data adjusted for droppage to end of season, and size data at maturity.

Tree numbers by county which are used in the estimates were obtained from the latest tree census. Productivity per tree are obtained from several objective fruit surveys including limb count, size, and droppage samples. Because of the statistical sampling design, counties with higher production in general have a greater number of fruit samples and, therefore, estimates for these counties can be considered more reliable. Thus, for the same reason, estimates for the production areas are more reliable than for individual counties.

FLORIDA CITRUS: Production of all citrus since 1886-87

Crop year	Type of fruit			Total	:	Crop year	Type of fruit			Total
	Oranges:	Grapefruit:	Other:				Oranges:	Grapefruit:	Other:	
1,000 boxes				1,000 boxes						
1886-87	---	---	---	1,260	:	1937-38	23,900	14,600	2,370	40,870
1887-88	---	---	---	1,450	:	1938-39	29,900	23,300	3,495	56,695
1888-89	---	---	---	1,950	:	1939-40	25,350	15,900	2,745	43,995
1889-90	---	---	---	2,150	:	1940-41	28,200	24,600	3,180	55,980
1890-91	---	---	---	2,450	:	1941-42	26,800	19,200	2,650	48,650
1891-92	---	---	---	2,713	:	1942-43	36,650	27,300	4,925	68,875
1892-93	---	---	---	3,450	:	1943-44	45,500	31,000	4,490	80,990
1893-94	---	---	---	5,055	:	1944-45	42,230	22,300	4,670	69,200
1894-95	---	---	---	2,808	:	1945-46	49,000	32,000	5,200	86,200
1895-96	---	---	---	147	:	1946-47	52,080	26,400	4,790	83,270
1896-97	---	---	---	218	:	1947-48	57,530	29,300	4,440	91,270
1897-98	---	---	---	359	:	1948-49	57,380	30,200	5,520	93,100
1898-99	---	---	---	252	:	1949-50	57,790	24,200	5,970	87,960
1899-00	---	---	---	274	:	1950-51	66,200	33,200	5,980	105,380
1900-01	---	---	---	353	:	1951-52	76,900	33,000	6,060	115,960
1901-02	---	---	---	974	:	1952-53	70,500	32,500	6,920	109,920
1902-03	---	---	---	1,147	:	1953-54	89,100	40,700	7,070	136,870
1903-04	---	---	---	1,955	:	1954-55	85,900	34,800	7,998	128,698
1904-05	---	---	---	2,961	:	1955-56	88,200	38,300	7,935	134,435
1905-06	---	---	---	3,794	:	1956-57	90,300	37,400	8,020	135,720
1906-07	---	---	---	3,801	:	1957-58	81,000	31,100	4,300	116,400
1907-08	---	---	---	4,250	:	1958-59	83,000	35,200	7,800	126,000
1908-09	---	---	---	4,634	:	1959-60	87,600	30,500	7,470	125,570
1909-10	5,300	1,100	---	6,400	:	1960-61	82,700	31,600	9,940	124,240
1910-11	3,600	1,200	---	4,800	:	1961-62	108,800	34,800	10,210	153,810
1911-12	3,950	1,150	---	5,100	:	1962-63	72,500	30,000	5,250	107,750
1912-13	6,700	2,000	---	8,700	:	1963-64	54,900	26,300	8,620	89,820
1913-14	6,200	2,200	---	8,400	:	1964-65	82,400	31,900	9,350	123,650
1914-15	6,000	2,400	---	8,400	:	1965-66	95,900	34,900	10,190	140,990
1915-16	6,500	2,400	---	8,900	:	1966-67	139,500	43,600	11,895	194,995
1916-17	5,700	2,500	---	8,200	:	1967-68	100,500	32,900	10,880	144,280
1917-18	4,000	2,000	---	6,000	:	1968-69	129,700	39,900	12,470	182,070
1918-19	6,000	3,500	---	9,500	:	1969-70	137,700	37,400	13,915	189,015
1919-20	7,550	5,900	478	13,928	:	1970-71	142,300	42,900	14,450	199,650
1920-21	8,700	5,800	726	15,226	:	1971-72	137,000	47,000	16,480	200,480
1921-22	7,850	6,700	583	15,133	:	1972-73	169,700	45,400	15,450	230,550
1922-23	10,150	7,800	785	18,735	:	1973-74	165,800	48,100	16,350	230,250
1923-24	13,150	8,500	590	22,240	:	1974-75	173,300	44,600	17,830	235,730
1924-25	10,400	8,900	936	20,236	:	1975-76	181,200	49,100	19,180	249,480
1925-26	9,500	7,600	730	17,830	:	1976-77	186,800	51,500	16,200	254,500
1926-27	10,100	8,600	912	19,612	:	1977-78	167,800	51,400	16,270	235,470
1927-28	8,650	7,500	850	17,000	:	1978-79	164,000	50,000	16,190	230,190
1928-29	15,000	11,300	1,506	27,806	:	1979-80	206,700	54,800	22,050	283,550
1929-30	8,950	8,300	858	18,108	:	1980-81	172,400	50,300	15,880	238,580
1930-31	16,800	15,800	2,408	35,008	:	1981-82	125,800	48,100	15,310	189,210
1931-32	12,200	10,700	2,009	24,909	:	1982-83	139,600	39,400	14,600	193,600
1932-33	14,500	11,600	1,910	28,010	:	1983-84	116,700	40,900	11,945	169,545
1933-34	15,900	10,900	2,012	28,812	:	1984-85	103,900	44,000	11,005	158,905
1934-35	15,600	15,200	2,015	32,815	:	1985-86	119,200	46,750	10,065	176,015
1935-36	15,900	11,500	2,112	29,512	:	1986-87	119,700	49,800	12,030	181,530
1936-37	19,100	18,100	3,045	40,245	:	1987-88	138,000	53,850	12,250	204,100
					:	1988-89	146,600	54,750	12,500	213,850

Source: See page 45, Data Sources, item 2.

History of Florida's Citrus Industry

The citrus tree is a native of the Orient. From there it was carried ever westward by man, to India, to the Mediterranean and on across the Atlantic. Citrus was brought to the Americas by Columbus. When he landed on November 22, 1493, he brought citrus seeds that were planted on the island of Haiti. The first seeds planted on the mainland of the Americas were brought by the expedition of Juan de Grijalva when he landed in Central America between July 12 and July 20, 1518. The exact date of the introduction of citrus trees into Florida is not known, but from a statement made by Pedro Medendez, dated April 2, 1579, it appears that citrus fruits were grown in abundance around St. Augustine at that time. Early settlers in Florida some two centuries later found wild citrus trees scattered over the State. One of the oldest, cultivated groves planted in Florida (Hume, 1926 p.95) is thought to have been the Don Phillippe grove in Pinellas County, planted sometime between 1809 and 1820.

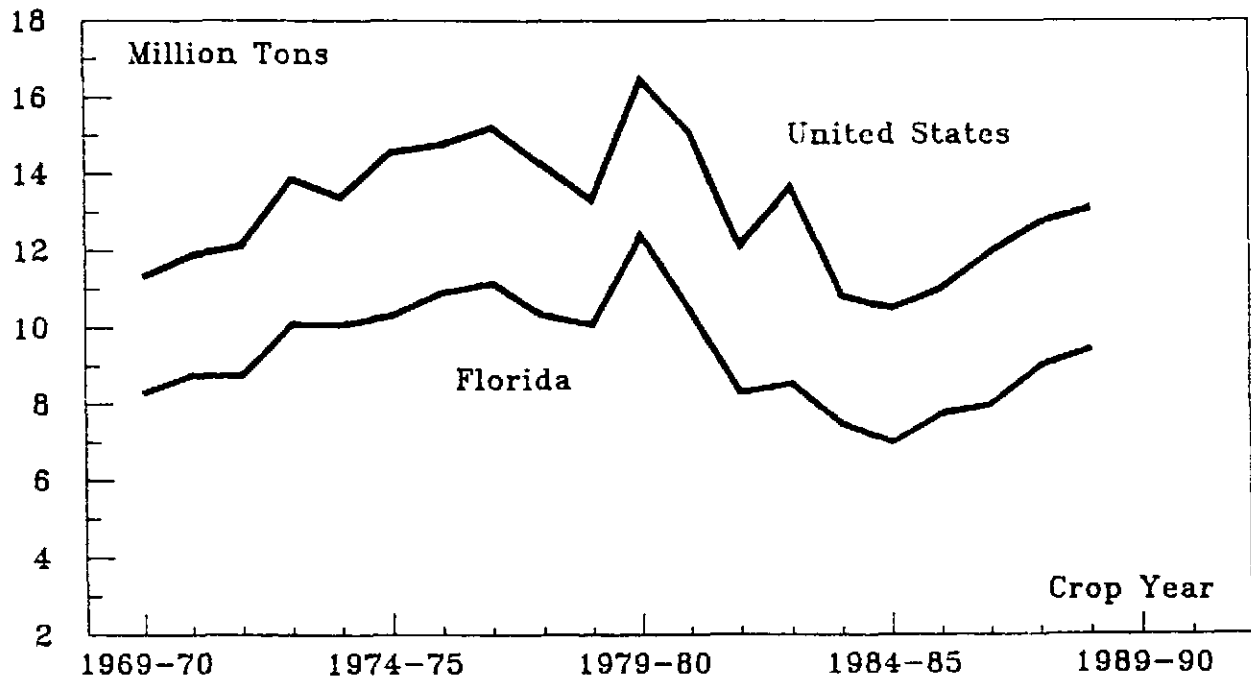
Citrus production in Florida had reached an all time high of more than 5 million boxes when the Great Freeze of 1894-95 almost totally wiped out the citrus industry. It was not until 1909-10 that this level was reached again. In 1988-89, Florida had 72.1 percent of the Nation's production.

PRINCIPAL CITRUS FRUITS: Bearing acreage and production, by states,
crop years 1969-70 through 1988-89

Crop year	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Prod 1/	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod	Bearing acreage	Prod 1/
	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons
1969-70	817.1	8,306	197.2	2,130	75.9	513	32.2	399	1,122.4	11,348
1970-71	849.4	8,786	203.0	2,100	79.0	683	37.0	350	1,168.5	11,919
1971-72	824.2	8,760	213.1	2,371	80.1	629	40.4	403	1,157.8	12,163
1972-73	820.2	10,124	221.9	2,498	70.0	803	50.8	469	1,162.9	13,894
1973-74	817.3	10,088	269.1	2,285	67.5	709	52.7	330	1,206.6	13,412
1974-75	812.7	10,337	272.7	3,191	64.1	485	55.6	573	1,205.1	14,586
1975-76	796.2	10,943	272.1	2,842	64.1	687	61.2	316	1,193.6	14,788
1976-77	794.9	11,179	267.4	2,816	63.9	789	58.5	458	1,184.7	15,242
1977-78	756.4	10,349	264.6	2,695	68.4	736	52.6	475	1,142.0	14,255
1978-79	751.5	10,101	265.7	2,189	67.6	632	45.8	407	1,130.6	13,329
1979-80	758.4	12,418	265.3	3,208	71.7	487	47.7	371	1,143.1	16,484
1980-81	753.8	10,470	265.6	3,703	66.8	452	43.7	480	1,129.9	15,105
1981-82	747.9	8,331	264.8	2,541	64.8	808	46.8	459	1,124.3	12,139
1982-83	723.0	8,574	260.0	3,945	66.2	689	42.4	474	1,091.6	13,682
1983-84	639.8	7,485	259.3	2,783	67.6	235	41.2	329	1,007.9	10,832
1984-85	575.9	7,014	254.5	3,069	30.5	0	38.4	442	899.3	10,525
1985-86	507.8	7,785	252.8	2,930	21.8	23	36.5	320	818.9	11,058
1986-87	514.5	8,009	250.7	3,377	25.5	115	35.5	493	826.2	11,994
1987-88	519.5	9,020	250.7	3,235	28.8	213	35.6	293	834.6	12,761
1988-89	528.7	9,457	247.9	3,108	30.8	271	36.0	296	843.4	13,132

1/ Does not include Florida lemons or K-Early Citrus Fruit. Honey tangerines not included prior to 1981-82.

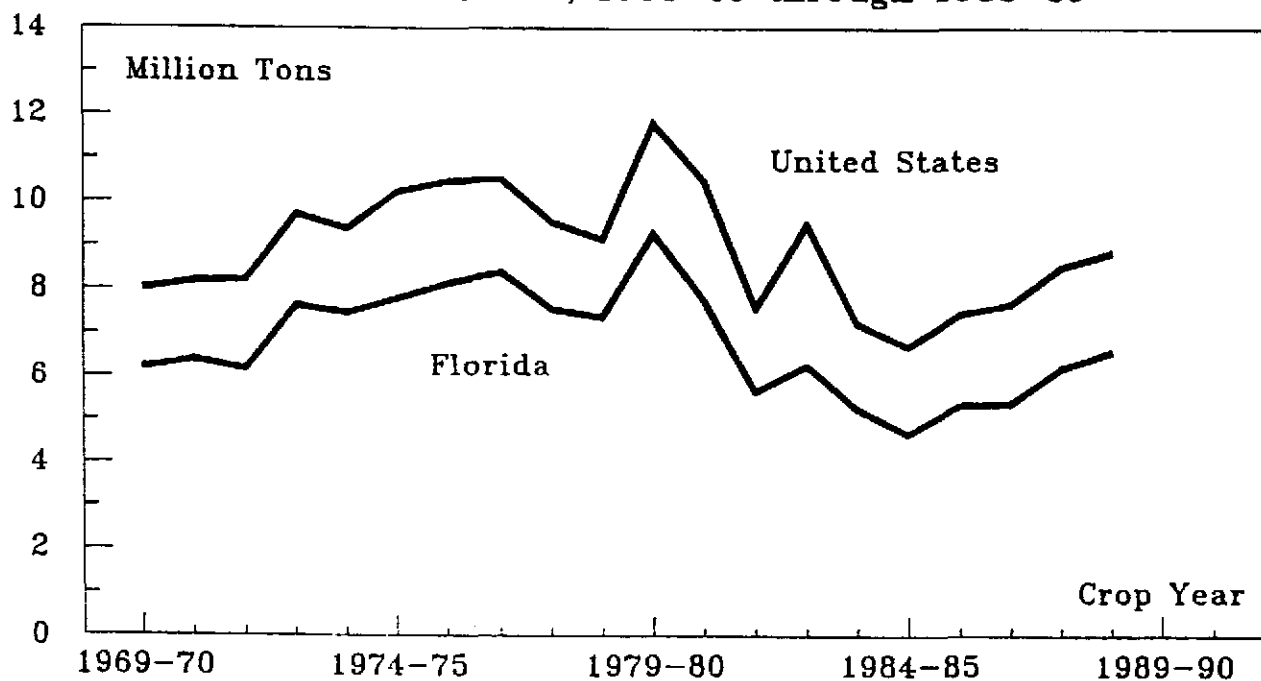
PRINCIPAL CITRUS FRUITS: Production for the United States and Florida, 1969-70 through 1988-89



ORANGES: Bearing acreage and production, by states,
crop years 1969-70 through 1988-89

Crop year	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Prod tons	Bearing acreage	Prod tons	Bearing acreage	Prod tons	Bearing acreage	Prod tons	Bearing acreage	Prod tons
1969-70	636.1	6,197	160.2	1,463	35.0	189	15.5	174	846.8	8,023
1970-71	660.5	6,402	167.9	1,406	40.5	263	18.1	134	887.0	8,205
1971-72	624.2	6,165	180.4	1,627	42.5	261	19.5	184	866.6	8,237
1972-73	619.6	7,636	188.8	1,579	35.0	332	24.5	190	867.9	9,737
1973-74	614.6	7,461	196.0	1,516	32.5	281	24.4	128	867.5	9,386
1974-75	610.4	7,799	196.9	2,063	30.9	193	24.1	186	862.3	10,241
1975-76	596.4	8,154	197.7	1,980	30.9	259	23.0	100	848.0	10,493
1976-77	594.3	8,406	192.5	1,699	28.2	293	21.0	148	836.0	10,546
1977-78	579.0	7,551	188.6	1,599	28.4	260	16.8	136	812.8	9,546
1978-79	571.5	7,380	187.1	1,399	27.8	272	14.8	109	801.2	9,160
1979-80	576.6	9,302	185.7	2,228	28.0	171	15.7	131	806.0	11,832
1980-81	573.4	7,758	182.7	2,447	25.3	184	13.2	98	794.6	10,487
1981-82	560.2	5,661	180.2	1,572	23.7	252	13.6	115	777.7	7,600
1982-83	536.8	6,282	177.4	2,854	24.0	241	12.6	142	750.8	9,519
1983-84	474.2	5,252	177.1	1,819	24.3	107	12.6	65	688.2	7,243
1984-85	420.1	4,676	175.3	1,966	11.4	0	10.9	77	617.7	6,719
1985-86	367.6	5,364	174.6	2,022	8.3	14	11.0	76	561.5	7,476
1986-87	375.4	5,387	172.9	2,172	10.3	37	10.9	101	569.5	7,697
1987-88	380.2	6,210	172.6	2,212	11.9	61	10.6	68	575.3	8,551
1988-89	388.7	6,597	171.8	2,138	12.7	79	10.4	64	583.6	8,878

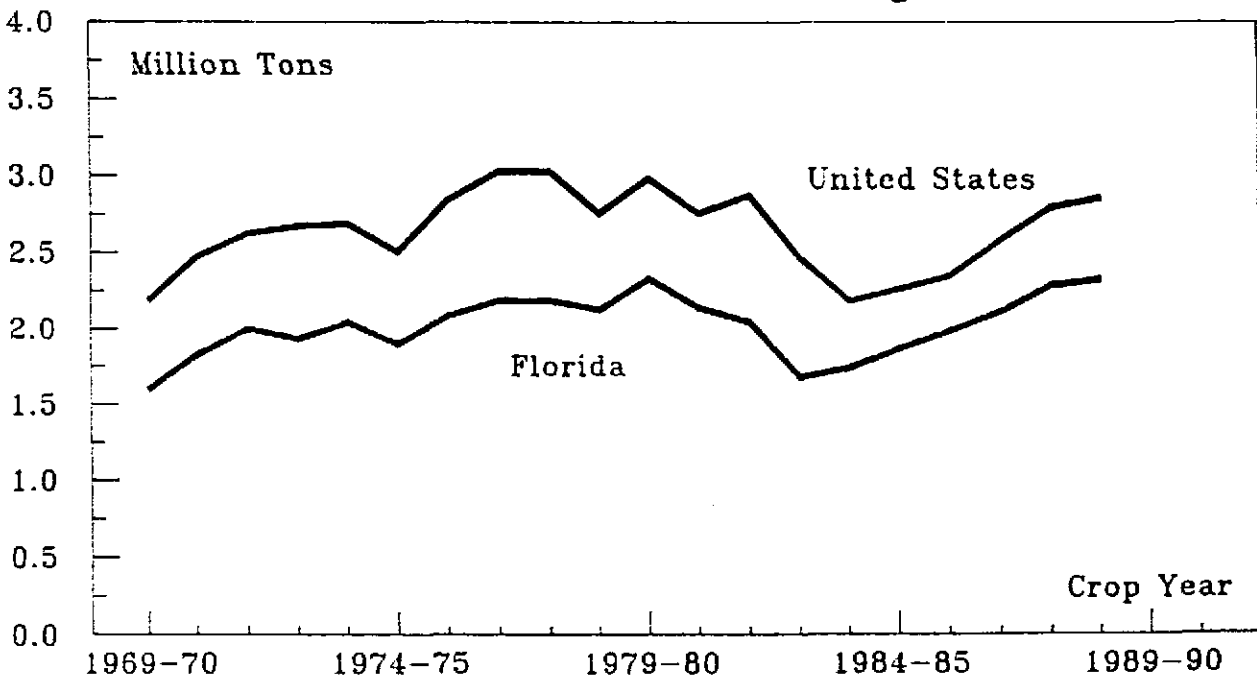
ORANGES: Production for the United States and
Florida, 1968-69 through 1988-89



GRAPEFRUIT: Bearing acreage and production, by states,
crop years 1969-70 through 1988-89

Crop year	Florida		Texas		California		Arizona		United States	
	Bearing: acreage	Prod: tons	Bearing: acres	Prod: tons	Bearing: acres	Prod: tons	Bearing: acres	Prod: tons	Bearing: acres	Prod: tons
	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons	1,000 acres	1,000 tons
1969-70	98.7	1,590	40.0	324	12.8	171	6.1	101	157.6	2,186
1970-71	107.2	1,824	37.6	404	12.1	164	6.3	81	163.2	2,473
1971-72	112.6	1,999	35.0	368	12.6	179	6.4	81	166.6	2,627
1972-73	114.6	1,930	35.0	472	13.1	189	8.0	85	170.7	2,676
1973-74	115.8	2,044	35.0	428	14.3	154	8.2	66	173.3	2,692
1974-75	115.4	1,897	33.1	292	15.8	226	9.3	89	173.6	2,504
1975-76	117.9	2,088	33.1	428	16.4	234	9.6	100	177.0	2,850
1976-77	119.3	2,190	35.1	496	16.6	250	10.2	96	181.2	3,032
1977-78	120.3	2,184	40.1	476	17.4	274	10.8	96	188.6	3,030
1978-79	124.6	2,125	39.8	360	19.5	200	8.9	72	192.8	2,757
1979-80	126.4	2,329	43.8	316	21.3	245	8.4	96	199.9	2,986
1980-81	125.6	2,138	41.5	268	21.8	263	8.1	90	197.0	2,759
1981-82	127.8	2,044	41.1	556	22.0	201	8.2	77	199.1	2,878
1982-83	128.6	1,674	42.2	448	21.7	238	6.8	105	199.3	2,465
1983-84	119.6	1,738	43.3	128	21.9	238	6.8	80	191.6	2,184
1984-85	115.5	1,870	19.1	0	21.1	289	7.1	107	162.8	2,266
1985-86	105.1	1,987	13.5	9	20.9	266	5.7	90	145.2	2,352
1986-87	106.0	2,116	15.2	77	20.8	305	5.9	88	147.9	2,586
1987-88	106.0	2,289	16.9	152	20.7	298	6.0	62	149.6	2,801
1988-89	106.9	2,327	18.1	192	19.9	280	6.5	62	151.4	2,861

GRAPEFRUIT: Production for the United States and Florida, 1969-70 through 1988-89



FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1969-70 through 1988-89 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
All round oranges							
1969-70	636.1	216	137,700	13,263	124,437	1.14	156,876
1970-71	660.5	215	142,300	13,962	128,338	1.46	208,146
1971-72	624.2	219	137,000	11,233	125,767	2.04	280,317
1972-73	619.6	274	169,700	12,223	157,477	1.56	265,361
1973-74	614.6	270	165,800	11,090	154,710	1.47	244,691
1974-75	610.4	284	173,300	13,393	159,907	1.62	280,350
1975-76	596.4	304	181,200	11,730	169,470	1.77	321,449
1976-77	594.3	314	186,800	8,878	177,922	2.17	405,982
1977-78	579.0	290	167,800	9,966	157,834	4.14	693,677
1978-79	571.5	287	164,000	11,701	152,299	4.66	764,961
1979-80	576.6	358	206,700	10,990	195,710	3.72	768,877
1980-81	573.4	301	172,400	8,276	164,124	4.04	697,231
1981-82	560.2	225	125,800	7,620	118,180	4.28	538,686
1982-83	536.8	260	139,600	10,320	129,280	5.15	718,420
1983-84	474.3	246	116,700	7,640	109,060	5.75	670,618
1984-85	420.1	247	103,900	6,652	97,248	7.10	737,923
1985-86	367.6	324	119,200	8,960	110,240	3.94	469,959
1986-87	375.4	319	119,700	8,870	110,830	5.22	624,771
1987-88	380.2	363	138,000	9,520	128,480	7.58	1,046,700
1988-89	388.7	377	146,600	8,456	138,144	7.28	1,067,442
Early and midseason oranges							
1969-70	332.3	219	72,900	7,491	65,409	1.15	83,691
1970-71	348.3	236	82,100	8,198	73,902	1.10	90,141
1971-72	323.2	213	68,800	6,024	62,776	1.98	136,107
1972-73	320.3	281	90,000	6,681	83,319	1.43	128,873
1973-74	316.3	291	92,100	6,110	85,990	1.38	127,438
1974-75	314.8	307	96,600	7,402	89,198	1.46	140,792
1975-76	308.4	320	98,800	6,485	92,315	1.69	166,911
1976-77	306.9	375	115,000	6,131	108,869	1.89	216,967
1977-78	299.0	295	88,300	5,750	82,550	3.90	344,268
1978-79	295.5	308	91,000	6,325	84,675	4.44	403,767
1979-80	298.9	394	117,900	6,476	111,424	3.59	423,324
1980-81	297.2	355	105,600	5,788	99,812	3.67	387,714
1981-82	289.6	256	74,000	4,929	69,071	4.27	316,316
1982-83	277.8	253	70,200	6,067	64,133	4.88	342,914
1983-84	237.3	294	69,700	4,939	64,761	5.09	354,800
1984-85	198.3	277	55,000	4,418	50,582	7.30	401,369
1985-86	182.3	352	64,200	5,121	59,079	3.92	251,366
1986-87	189.1	348	65,800	5,267	60,533	4.56	300,290
1987-88	198.1	396	78,500	5,870	72,630	6.72	527,169
1988-89	205.4	415	85,300	5,436	79,864	6.55	558,305

1/ 1988-89 preliminary.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1969-70 through 1988-89 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
Late (Valencia) oranges							
1969-70	303.8	213	64,800	5,772	59,028	1.13	73,185
1970-71	312.2	193	60,200	5,764	54,436	1.91	118,025
1971-72	301.0	227	68,200	5,209	62,991	2.11	144,210
1972-73	299.3	266	79,700	5,542	74,158	1.71	136,488
1973-74	298.3	247	73,700	4,980	68,720	1.59	117,253
1974-75	295.6	259	76,700	5,991	70,709	1.82	139,558
1975-76	288.0	286	82,400	5,245	77,155	1.88	154,538
1976-77	287.4	250	71,800	2,747	69,053	2.63	189,015
1977-78	280.0	234	79,500	4,216	75,284	4.40	349,409
1978-79	276.0	264	73,000	5,376	67,624	4.95	361,194
1979-80	277.7	320	88,800	4,514	84,286	3.89	345,553
1980-81	276.2	242	66,800	2,488	64,312	4.63	309,517
1981-82	270.6	191	51,800	2,691	49,109	4.29	222,370
1982-83	259.0	268	69,400	4,253	65,147	5.41	375,506
1983-84	237.0	198	47,000	2,701	44,299	6.72	315,818
1984-85	221.8	220	48,900	2,234	46,666	6.88	336,554
1985-86	185.3	297	55,000	3,839	51,161	3.97	218,593
1986-87	186.3	289	53,900	3,603	50,297	6.02	324,481
1987-88	182.1	327	59,500	3,650	55,850	8.73	519,531
1988-89	183.3	334	61,300	3,020	58,280	8.31	509,137
Temples							
1969-70	21.8	239	5,200	2,823	2,377	1.47	7,631
1970-71	23.0	217	5,000	2,232	2,768	1.91	9,529
1971-72	22.4	237	5,300	1,783	3,517	1.95	10,358
1972-73	22.3	229	5,100	2,445	2,655	1.95	9,959
1973-74	21.9	242	5,300	1,925	3,375	1.64	8,669
1974-75	21.9	242	5,300	1,908	3,392	1.68	8,893
1975-76	20.5	268	5,500	2,329	3,171	1.79	9,870
1976-77	20.3	187	3,800	1,184	2,616	2.16	8,189
1977-78	18.9	259	4,900	2,049	2,851	3.92	19,226
1978-79	18.3	257	4,700	2,135	2,565	4.89	22,968
1979-80	18.2	330	6,000	2,784	3,216	2.89	17,356
1980-81	17.7	203	3,600	1,107	2,493	4.21	15,170
1981-82	16.8	190	3,200	838	2,362	4.01	12,824
1982-83	15.8	297	4,700	1,563	3,137	3.99	18,735
1983-84	13.5	215	2,900	762	2,138	5.34	15,476
1984-85	12.2	266	3,250	626	2,624	5.59	18,162
1985-86	10.0	295	2,950	913	2,037	3.01	8,870
1986-87	9.4	362	3,400	1,053	2,347	3.60	12,236
1987-88	9.3	382	3,550	1,292	2,258	5.69	20,196
1988-89	9.3	403	3,750	868	2,882	4.44	16,638

1/ 1988-89 preliminary.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1969-70 through 1988-89 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
All grapefruit							
1969-70	98.7	379	37,400	14,262	23,138	1.70	63,526
1970-71	107.2	400	42,900	14,960	27,940	1.91	81,514
1971-72	112.6	417	47,000	17,039	29,961	2.32	108,991
1972-73	114.6	396	45,400	17,046	28,354	2.08	94,635
1973-74	115.8	415	48,100	18,731	29,369	1.66	79,879
1974-75	115.4	386	44,600	18,797	25,806	1.72	76,367
1975-76	117.9	416	49,100	20,369	28,731	1.47	72,155
1976-77	119.3	432	51,500	16,393	35,107	1.58	81,116
1977-78	120.3	427	51,400	18,038	33,362	1.64	84,438
1978-79	124.6	401	50,000	19,790	30,210	2.41	120,128
1979-80	126.4	434	54,800	19,501	35,299	3.31	181,208
1980-81	125.6	400	50,300	17,167	33,133	3.60	181,155
1981-82	127.8	376	48,100	16,719	31,381	2.09	100,597
1982-83	128.6	306	39,400	18,313	21,087	1.96	77,221
1983-84	119.6	342	40,900	16,661	24,239	2.72	111,158
1984-85	115.5	381	44,000	14,988	29,012	3.67	161,356
1985-86	105.1	445	46,750	19,620	27,130	4.09	191,068
1986-87	106.0	470	49,800	20,938	28,862	4.98	248,120
1987-88	106.0	508	53,850	23,110	30,740	5.57	299,887
1988-89	106.9	512	54,750	23,889	30,861	4.52	247,709
Seedy grapefruit							
1969-70	25.1	378	9,500	559	8,941	1.42	13,485
1970-71	25.2	468	11,800	479	11,321	1.68	19,781
1971-72	24.5	445	10,900	285	10,615	2.01	21,931
1972-73	24.3	420	10,200	281	9,919	1.63	16,672
1973-74	23.6	424	10,000	138	9,862	1.31	13,117
1974-75	23.3	309	7,200	147	7,053	.87	6,270
1975-76	22.6	345	7,800	109	7,691	.85	6,668
1976-77	22.5	404	9,100	64	9,036	1.20	10,920
1977-78	21.0	400	8,400	85	8,315	1.45	12,180
1978-79	21.3	343	7,300	71	7,229	1.84	13,432
1979-80	20.0	395	7,900	106	7,794	3.04	24,016
1980-81	19.6	372	7,300	69	7,231	2.92	21,316
1981-82	19.3	311	6,000	2/	6,000	1.13	6,780
1982-83	19.0	253	4,800	2/	4,800	.70	3,360
1983-84	15.3	295	4,500	2/	4,500	2.01	9,045
1984-85	12.7	228	2,900	2/	2,900	2.58	7,482
1985-86	10.3	306	3,150	2/	3,150	3.27	10,301
1986-87	9.5	305	2,900	2/	2,900	4.27	12,383
1987-88	8.9	309	2,750	2/	2,750	4.99	13,723
1988-89	8.7	385	3,350	2/	3,350	3.68	12,328

1/ 1988-89 preliminary. 2/ Fresh sales insignificant, included in processed.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1969-70 through 1988-89 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
White seedless grapefruit							
1969-70	47.2	375	17,700	7,016	10,684	1.72	30,429
1970-71	54.0	374	20,200	7,452	12,748	1.89	38,302
1971-72	59.0	403	23,800	8,938	14,862	2.27	54,040
1972-73	60.3	390	23,500	9,507	13,993	2.06	48,364
1973-74	61.3	423	25,900	10,748	15,152	1.58	40,919
1974-75	61.1	424	25,900	11,008	14,892	1.55	40,282
1975-76	63.3	447	28,300	11,315	16,985	1.29	36,557
1976-77	63.6	470	29,900	9,805	20,095	1.49	44,690
1977-78	64.2	447	28,700	9,026	19,674	1.47	42,323
1978-79	66.0	445	29,400	10,179	19,221	2.21	65,021
1979-80	66.9	465	31,100	8,900	22,200	3.12	97,086
1980-81	66.6	426	28,400	8,195	20,205	3.46	98,285
1981-82	65.8	415	27,300	8,329	18,971	1.92	52,370
1982-83	65.4	333	21,800	9,045	12,755	1.51	32,941
1983-84	60.5	380	23,000	7,642	15,358	2.08	47,885
1984-85	58.2	426	24,800	5,350	19,450	3.02	74,956
1985-86	53.4	479	25,600	6,735	18,865	3.56	91,107
1986-87	53.0	508	26,900	7,086	19,814	4.45	119,693
1987-88	51.6	566	29,200	8,020	21,180	5.35	156,360
1988-89	51.1	542	27,700	8,030	19,670	4.42	122,562
Colored seedless grapefruit							
1969-70	26.4	386	10,200	6,687	3,513	1.92	19,612
1970-71	28.0	389	10,900	7,029	3,871	2.15	23,431
1971-72	29.1	423	12,300	7,816	4,484	2.69	32,020
1972-73	30.0	390	11,700	7,258	4,442	2.53	29,599
1973-74	30.9	395	12,200	7,845	4,355	2.12	25,843
1974-75	31.0	371	11,500	7,642	3,858	2.59	29,815
1975-76	32.0	406	13,000	8,945	4,055	2.23	28,930
1976-77	33.2	377	12,500	6,524	5,976	2.04	25,506
1977-78	35.1	407	14,300	8,927	5,373	2.09	29,935
1978-79	37.3	357	13,300	9,540	3,760	3.13	41,675
1979-80	39.5	400	15,800	10,495	5,305	3.80	60,106
1980-81	39.4	371	14,600	8,903	5,697	4.22	61,554
1981-82	42.7	347	14,800	8,390	6,410	2.80	41,447
1982-83	44.2	290	12,800	9,268	3,532	3.20	40,920
1983-84	43.8	306	13,400	9,019	4,381	4.05	54,228
1984-85	44.6	365	16,300	9,638	6,662	4.84	78,918
1985-86	41.4	435	18,000	12,885	5,115	4.98	89,660
1986-87	43.5	460	20,000	13,852	6,148	5.80	116,044
1987-88	45.5	481	21,900	15,090	6,810	5.93	129,804
1988-89	47.1	503	23,700	15,859	7,841	4.76	112,819

1/ 1988-89 preliminary.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1969-70 through 1988-89 1/

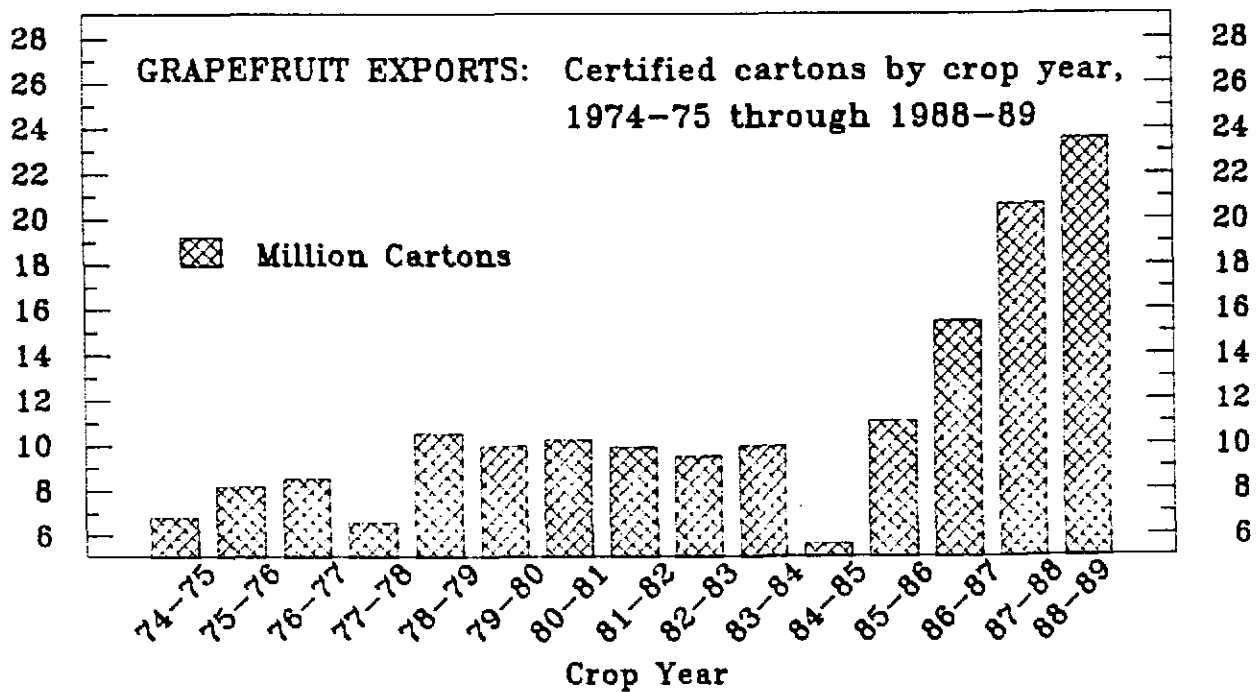
Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
Tangelos							
1969-70	18.1	138	2,500	1,397	1,103	1.13	2,828
1970-71	21.4	126	2,700	1,607	1,093	1.04	2,816
1971-72	20.0	180	3,600	1,718	1,882	1.69	6,091
1972-73	19.2	161	3,100	1,433	1,667	1.39	4,320
1973-74	18.8	197	3,700	1,596	2,104	1.25	4,631
1974-75	18.9	249	4,700	2,363	2,337	1.45	6,833
1975-76	18.6	296	5,500	2,245	3,255	1.42	7,806
1976-77	18.4	261	4,800	2,295	2,505	1.42	6,814
1977-78	17.9	274	4,900	1,987	2,913	3.29	16,144
1978-79	17.1	246	4,200	1,721	2,479	3.90	16,360
1979-80	17.3	370	6,400	1,807	4,593	2.87	18,351
1980-81	16.8	292	4,900	2,056	2,844	3.92	19,226
1981-82	16.1	317	5,100	1,780	3,320	3.58	18,264
1982-83	15.6	244	3,800	1,878	1,922	4.37	16,596
1983-84	12.3	293	3,600	1,596	2,004	4.28	15,395
1984-85	10.1	356	3,600	1,468	2,132	7.08	25,501
1985-86	9.5	311	2,950	1,338	1,612	4.06	11,980
1986-87	9.5	421	4,000	1,310	2,690	3.72	14,891
1987-88	9.4	447	4,200	1,395	2,805	5.58	23,435
1988-89	9.5	400	3,800	1,348	2,452	5.85	22,241
All Tangerines 2/							
1969-70	18.6	161	3,000	2,383	617	2.23	6,697
1970-71	20.0	185	3,700	2,661	1,039	1.88	6,970
1971-72	19.3	166	3,200	2,228	972	2.97	9,497
1972-73	19.4	155	3,000	2,018	982	2.37	7,123
1973-74	19.1	147	2,800	2,055	745	2.82	7,885
1974-75	19.4	160	3,100	2,211	889	3.05	9,463
1975-76	18.0	189	3,400	2,362	1,038	3.02	10,251
1976-77	17.9	184	3,300	2,317	983	3.29	10,855
1977-78	16.5	194	3,200	1,901	1,299	4.79	15,339
1978-79	15.9	220	3,500	1,891	1,609	4.99	17,465
1979-80	15.2	257	3,900	2,339	1,561	4.25	16,594
1980-81	15.0	200	3,000	1,905	1,095	5.45	16,361
1981-82	20.6	199	4,100	1,917	2,183	5.91	24,236
1982-83	18.9	180	3,400	2,170	1,230	7.81	26,556
1983-84	13.2	225	2,975	1,858	1,117	7.08	21,075
1984-85	11.3	163	1,840	945	895	13.66	25,127
1985-86	8.8	222	1,950	1,189	761	11.55	22,515
1986-87	7.5	312	2,340	1,462	878	10.92	25,563
1987-88	7.6	322	2,450	1,614	836	12.99	31,831
1988-89	7.7	377	2,900	1,638	1,262	12.25	35,534

1/ 1988-89 preliminary. 2/ Honey tangerines not included prior to 1981-82.

FLORIDA CITRUS: Acreage, yield, production, utilization, season average price, and value for crop years 1969-70 through 1988-89 1/

Crop year	Bearing acreage	Yield per acre	Utilization of production			On-tree	
			Total	Fresh	Processed	Price per box	Value of production
	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
Limes							
1969-70	3.9	136	725	374	351	4.11	2,983
1970-71	4.3	205	880	395	485	3.10	2,725
1971-72	4.5	244	1,100	474	626	3.89	4,279
1972-73	4.5	244	1,100	517	583	4.25	4,670
1973-74	4.4	239	1,050	479	571	5.10	5,351
1974-75	4.4	250	1,100	493	607	5.35	5,889
1975-76	4.4	245	1,080	586	494	6.70	7,235
1976-77	4.5	222	1,000	514	486	8.60	8,596
1977-78	3.8	121	460	340	120	15.72	7,229
1978-79	4.1	176	720	481	239	12.44	8,948
1979-80	4.7	234	1,100	622	478	8.18	8,996
1980-81	5.3	226	1,200	697	503	6.58	7,891
1981-82	6.4	203	1,300	625	675	7.88	10,238
1982-83	7.3	233	1,700	975	725	8.39	14,262
1983-84	7.0	206	1,440	825	615	7.46	10,736
1984-85	6.7	245	1,640	1,025	615	7.27	11,927
1985-86	6.8	254	1,725	880	845	7.94	13,692
1986-87	6.7	216	1,450	850	600	8.57	12,424
1987-88	7.0	186	1,300	860	440	12.69	16,493
1988-89	6.6	189	1,250	950	300	11.29	14,112

1/ 1988-89 preliminary.



CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1983-84 through 1988-89 1/

Crop year	Utilization of production :			Price per box :			Value of production		
	Fresh :	Proc :	Total :	Fresh :	Proc:	Total :	Fresh :	Proc :	Total
	1,000 boxes			Dollars per box			1,000 dollars		
United States oranges									
1983-84	48,030	121,410	169,440	8.37	5.07	5.92	403,283	604,477	1,007,760
1984-85	48,657	109,693	158,350	10.17	6.29	7.37	493,420	679,313	1,172,733
1985-86	54,495	120,945	175,440	6.38	3.43	4.27	349,010	406,650	755,660
1986-87	53,315	127,860	181,175	7.97	4.45	5.39	427,974	553,023	980,997
1987-88	53,521	146,729	200,250	8.41	6.78	7.18	450,588	974,260	1,424,848
1988-89	50,627	156,523	207,150	8.02	6.49	6.83	406,185	994,681	1,400,866
Florida oranges									
1983-84	7,640	109,060	116,700	7.75	5.61	5.75	59,245	611,373	670,618
1984-85	6,652	97,248	103,900	11.11	6.83	7.10	73,911	664,012	737,923
1985-86	8,960	110,240	119,200	5.33	3.83	3.94	47,746	422,213	469,959
1986-87	8,870	110,830	119,700	6.18	5.14	5.22	54,828	569,943	624,771
1987-88	9,520	128,480	138,000	7.96	7.56	7.58	75,749	970,951	1,046,700
1988-89	8,456	138,144	146,600	7.58	7.26	7.28	64,084	1,003,358	1,067,442
California oranges									
1983-84	37,550	10,950	48,500	8.73	- .90	6.55	327,701	- 9,886	317,815
1984-85	40,400	12,000	52,400	10.01	1.23	8.00	404,262	14,724	418,986
1985-86	43,600	10,300	53,900	6.60	-1.46	5.06	287,620	-15,068	272,552
1986-87	41,700	16,200	57,900	8.50	-1.03	5.83	354,468	-16,704	337,764
1987-88	41,300	17,700	59,000	8.55	.15	6.03	352,984	2,646	355,630
1988-89	39,400	17,600	57,000	8.12	- .61	5.42	319,916	-10,791	309,125
Texas oranges									
1983-84	1,390	1,120	2,510	3.99	2.70	3.41	5,546	3,024	8,570
1984-85	0	0	0	0	0	0	0	0	0
1985-86	290	20	310	9.23	4.00	8.89	2,677	80	2,757
1986-87	785	90	875	7.69	2.47	7.15	6,034	222	6,256
1987-88	1,276	154	1,430	8.05	3.27	7.53	10,272	503	10,775
1988-89	1,556	294	1,850	6.92	3.67	6.40	10,766	1,080	11,846
Arizona oranges									
1983-84	1,450	280	1,730	7.44	- .12	6.22	10,791	- 34	10,757
1984-85	1,605	445	2,050	9.50	1.30	7.72	15,247	577	15,824
1985-86	1,645	385	2,030	6.67	-1.49	5.12	10,967	- 575	10,392
1986-87	1,960	740	2,700	6.45	- .59	4.52	12,644	- 438	12,206
1987-88	1,425	395	1,820	8.13	.41	6.45	11,583	160	11,743
1988-89	1,215	485	1,700	9.40	2.13	7.33	11,419	1,034	12,453

1/ 1988-89 preliminary.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1984-85 through 1988-89 1/

Crop year	Utilization of production :			Price per box :			Value of production		
	Fresh :	Proc :	Total :	Fresh :	Proc :	Total :	Fresh :	Proc :	Total
	1,000 boxes			Dollars per box			1,000 dollars		
Florida early (including Navels) and midseason oranges									
1984-85	4,418	50,582	55,000	11.85	6.90	7.30	52,353	349,016	401,369
1985-86	5,121	59,079	64,200	6.40	3.70	3.92	32,774	218,592	251,366
1986-87	5,267	60,533	65,800	6.10	4.43	4.56	32,129	268,161	300,290
1987-88	5,870	72,630	78,500	7.65	6.64	6.72	44,906	482,263	527,169
1988-89	5,436	79,864	85,300	7.65	6.47	6.55	41,585	516,720	558,305
Florida Navels									
1984-85	1,379	371	1,750	16.45	6.49	14.34	22,685	2,408	25,093
1985-86	1,606	444	2,050	11.90	3.06	9.99	19,111	1,359	20,470
1986-87	1,932	568	2,500	9.50	2.81	7.98	18,354	1,596	19,950
1987-88	2,046	554	2,600	10.45	4.63	9.21	21,381	2,565	23,946
1988-89	2,312	788	3,100	10.05	4.37	8.61	23,236	3,444	26,680
Florida late (Valencia) oranges									
1984-85	2,234	46,666	48,900	9.65	6.75	6.88	21,558	314,996	336,554
1985-86	3,839	51,161	55,000	3.90	3.98	3.97	14,972	203,621	218,593
1986-87	3,603	50,297	53,900	6.30	6.00	6.02	22,699	301,782	324,481
1987-88	3,650	55,850	59,500	8.45	8.75	8.73	30,843	488,688	519,531
1988-89	3,020	58,280	61,300	7.45	8.35	8.31	22,499	486,638	509,137
California Navels and miscellaneous oranges									
1984-85	23,100	3,100	26,200	10.94	.96	9.76	252,714	2,976	255,690
1985-86	26,500	6,500	33,000	7.24	-1.64	5.49	191,860	-10,660	181,200
1986-87	26,500	8,000	34,500	7.56	-1.76	5.40	200,340	-14,080	186,260
1987-88	24,900	6,600	31,500	7.84	-.44	6.11	195,216	-2,904	192,312
1988-89	25,900	8,100	34,000	7.64	-.91	5.60	197,876	-7,371	190,505
California Valencia oranges									
1984-85	17,300	8,900	26,200	8.76	1.32	6.23	151,548	11,748	163,296
1985-86	17,100	3,800	20,900	5.60	-1.16	4.37	95,760	-4,408	91,352
1986-87	15,200	8,200	23,400	10.14	-.32	6.47	154,128	-2,624	151,504
1987-88	16,400	11,100	27,500	9.62	.50	5.94	157,768	5,550	163,318
1988-89	13,500	9,500	23,000	9.04	-.36	5.16	122,040	-3,420	118,620
Florida Temples									
1984-85	626	2,624	3,250	9.90	4.56	5.59	6,197	11,965	18,162
1985-86	913	2,037	2,950	5.90	1.71	3.01	5,387	3,483	8,870
1986-87	1,053	2,347	3,400	5.00	2.97	3.60	5,265	6,971	12,236
1987-88	1,292	2,258	3,550	7.05	4.91	5.69	9,109	11,087	20,196
1988-89	868	2,882	3,750	6.75	3.74	4.44	5,859	10,779	16,638

1/ 1988-89 preliminary.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1983-84 through 1988-89 1/

Crop year	Utilization of production :			Price per box :			Value of production		
	Fresh	Proc	Total	Fresh	Proc	Total	Fresh	Proc	Total
	1,000 boxes			Dollars per box			1,000 dollars		
United States grapefruit									
1983-84	25,841	27,999	53,840	4.14	1.37	2.68	107,956	36,122	144,078
1984-85	23,368	32,782	56,150	6.27	2.38	3.95	149,415	75,547	224,962
1985-86	27,320	30,550	57,870	5.85	2.94	4.29	163,452	86,793	250,245
1986-87	30,083	33,692	63,775	6.27	3.79	4.94	190,367	123,182	313,549
1987-88	33,195	35,505	68,700	6.84	4.16	5.43	226,968	143,484	370,452
1988-89	34,694	35,306	70,000	6.56	2.53	4.50	227,828	86,908	314,736
Florida grapefruit									
1983-84	16,661	24,239	40,900	4.19	1.70	2.72	69,817	41,264	111,081
1984-85	14,988	29,012	44,000	5.62	2.66	3.67	84,208	77,148	161,356
1985-86	19,620	27,130	46,750	5.19	3.29	4.09	101,731	89,336	191,067
1986-87	20,938	28,862	49,800	5.89	4.32	4.98	123,342	124,778	248,120
1987-88	23,110	30,740	53,850	6.85	4.61	5.57	158,213	141,674	299,887
1988-89	23,889	30,861	54,750	6.68	2.85	4.52	159,681	88,028	247,709
California grapefruit									
1983-84	4,620	2,620	7,240	5.30	-1.53	2.83	24,469	-4,008	20,461
1984-85	6,200	2,600	8,800	8.19	-.45	5.64	50,732	-1,156	49,576
1985-86	5,700	2,400	8,100	8.74	-.76	5.93	49,755	-1,824	47,931
1986-87	5,850	3,450	9,300	7.71	-.64	4.62	45,039	-2,208	42,831
1987-88	6,000	3,100	9,100	7.43	-.41	4.76	44,392	-1,274	43,118
1988-89	5,580	2,920	8,500	7.51	-.44	4.76	41,602	-1,307	40,295
Texas grapefruit									
1983-84	2,860	340	3,200	2.20	.24	1.99	6,292	82	6,374
1984-85	0	0	0	0	0	0	0	0	0
1985-86	200	20	220	8.89	3.53	8.40	1,778	71	1,849
1986-87	1,555	370	1,925	7.47	3.40	6.69	11,616	1,258	12,874
1987-88	2,785	1,015	3,800	6.61	3.32	5.73	18,409	3,370	21,779
1988-89	3,890	910	4,800	5.06	.57	4.21	19,683	519	20,202
Arizona grapefruit									
1983-84	1,700	800	2,500	4.34	-1.52	2.46	7,378	-1,216	6,162
1984-85	2,180	1,170	3,350	6.64	-.38	4.19	14,475	-445	14,030
1985-86	1,800	1,000	2,800	5.66	-.79	3.36	10,188	-790	9,398
1986-87	1,740	1,010	2,750	5.96	-.64	3.54	10,370	-646	9,724
1987-88	1,300	650	1,950	4.58	-.44	2.91	5,954	-286	5,668
1988-89	1,335	615	1,950	5.14	-.54	3.35	6,862	-332	6,530

1/ 1988-89 preliminary.

FLORIDA CITRUS PRODUCTS: Annual packs of citrus and all citrus feeds,
crop years 1974-75 through 1988-89

Crop year	Oranges							All citrus	
	Concentrated juice 1/	Boxes used	Chilled juice	Boxes used	Canned juice	Boxes used	Canned sections	Feed	Molasses
	1,000 gallons	1,000 boxes	1,000 gallons	1,000 boxes	1,000 cases 2/	1,000 boxes	1,000 cases 2/	1,000 tons	
1974-75	178,174	135,512	123,189	22,777	10,737	6,516	18	814	58
1975-76	186,265	144,526	132,940	23,992	10,635	6,308	26	857	33
1976-77	158,035	147,772	124,550	27,243	10,767	7,429	10	1,027	30
1977-78	161,204	130,929	134,369	25,379	11,654	7,210	16	897	24
1978-79	172,985	129,123	124,953	22,793	13,222	6,511	15	886	20
1979-80	231,210	173,229	134,782	25,430	13,869	6,656	18	1,091	36
1980-81	174,537	144,322	95,700	19,640	13,012	5,994	19	988	35
1981-82	133,294	104,355	84,597	16,293	11,503	4,058	14	724	23
1982-83	169,577	114,343	104,256	18,084	9,802	2,190	35	710	26
1983-84	121,216	94,016	92,814	16,981	9,084	2,269	NA	640	36
1984-85	118,472	86,112	81,445	14,903	7,425	1,185	NA	580	35
1985-86	132,406	96,061	NA	NA	7,596	1,361	NA	610	37
1986-87	145,056	96,182	NA	NA	8,122	947	NA	601	28
1987-88	169,973	110,206	NA	NA	7,256	904	NA	697	30
1988-89	174,717	113,729	NA	NA	8,164	1,141	NA	770	24

Crop year	Concentrated juice				Canned products				
	Grapefruit	Tangerine	Blended		Grapefruit	Tangerine	Blended	Citrus	
	Prod	Boxes used	Prod	Prod	Juice	Segments	ine	Blended	Citrus
	1,000 gallons	1,000 boxes	1,000 gallons		1,000 cases 2/			juice	salad
1974-75	7,847	7,779	1,147	4	15,951	2,236	12	1,493	206
1975-76	9,316	8,987	1,111	1	18,439	1,602	19	1,687	112
1976-77	1,258	3,013	926	18	18,809	1,722	35	1,308	84
1977-78	13,693	13,999	1,672	1	17,246	1,753	8	1,664	111
1978-79	14,243	13,274	1,367	3	16,764	1,823	19	1,255	76
1979-80	19,443	18,506	2,142	1	16,604	1,966	17	1,314	74
1980-81	20,763	19,490	1,175	3	14,231	1,671	9	984	79
1981-82	21,869	20,052	924	18	15,725	1,344	6	727	69
1982-83	14,483	13,977	334	1	11,651	1,235	4	650	94
1983-84	19,291	18,728	636	0	9,513	NA	0	555	NA
1984-85	24,802	22,996	285	0	10,552	NA	1	615	NA
1985-86	24,162	21,572	368	0	9,948	NA	0	577	NA
1986-87	28,875	24,143	373	0	8,982	NA	0	533	NA
1987-88	31,906	26,690	583	0	7,724	NA	0	449	NA
1988-89	32,466	26,621	495	0	7,956	NA	0	424	NA

1/ 45.0 degrees Brix through 1979-80; 43.4 degrees Brix, 1980-81; 42.0 degrees Brix, 1981-82 and later seasons. 2/ Equiv. cases, 24 No.2 cans.

SOURCE: See Page 45, Data Sources, Item 3.

USA Citrus Summary (Sep); FL Citrus Processors Ass. ~~Stat~~ F.C.P.A. final reports (23/52)

OTHER CITRUS, LIMES AND LEMONS: Utilization, season average on-tree price, and value by types, by states, crop years 1984-85 through 1988-89 1/

Crop year	Utilization of production:			Price per box			Value of production		
	Fresh	Proc	Total	Fresh	Proc	Total	Fresh	Proc	Total
	1,000 boxes			Dollars per box			1,000 dollars		
Florida tangelos									
1984-85	1,468	2,132	3,600	10.40	4.80	7.08	15,267	10,234	25,501
1985-86	1,338	1,612	2,950	6.40	2.12	4.06	8,563	3,417	11,980
1986-87	1,310	2,690	4,000	5.70	2.76	3.72	7,467	7,424	14,891
1987-88	1,395	2,805	4,200	7.65	4.55	5.58	10,672	12,763	23,435
1988-89	1,348	2,452	3,800	8.15	4.59	5.85	10,986	11,255	22,241
Florida K-Early Citrus									
1984-85	102	23	125	14.10	2.37	11.94	1,438	55	1,493
1985-86	121	39	160	10.90	.89	8.46	1,319	35	1,354
1986-87	174	46	220	8.20	1.12	6.72	1,427	52	1,479
1987-88	184	56	240	10.45	1.60	8.39	1,923	90	2,013
1988-89	251	69	320	6.95	.73	5.61	1,744	50	1,794
Florida limes									
1984-85	1,025	615	1,640	12.20	-.94	7.27	12,505	-578	11,927
1985-86	880	845	1,725	16.50	-.98	7.94	14,520	-828	13,692
1986-87	850	600	1,450	15.40	-1.11	8.57	13,090	-666	12,424
1987-88	860	440	1,300	20.12	-1.84	12.69	17,303	-810	16,493
1988-89	950	300	1,250	15.24	-1.22	11.29	14,478	-366	14,112
California lemons									
1984-85	9,350	10,450	19,800	10.58	-1.06	4.44	98,923	-11,077	87,846
1985-86	9,500	5,600	15,100	14.28	-1.18	8.55	135,660	-6,608	129,052
1986-87	10,000	11,500	21,500	10.54	-1.18	4.27	105,400	-13,570	91,830
1987-88	10,100	6,900	17,000	13.44	-2.04	7.16	135,744	-14,076	121,668
1988-89	10,300	5,900	16,200	14.96	-2.12	8.74	154,088	-12,508	141,580
Arizona lemons									
1984-85	2,250	3,400	5,650	6.74	-1.37	1.86	15,165	-4,658	10,507
1985-86	1,890	1,210	3,100	20.96	-1.23	12.30	39,614	-1,488	38,126
1986-87	2,345	4,755	7,100	6.32	-1.08	1.36	14,820	-5,135	9,685
1987-88	1,965	1,685	3,650	12.24	-2.04	5.65	24,052	-3,437	20,615
1988-89	1,980	1,820	3,800	12.32	-1.21	5.84	24,394	-2,202	22,192

1/ 1988-89 preliminary.

FLORIDA LEMONS: Bearing acreage, production, and season average on-tree prices for crop years 1984 through 1988

Crop year 1/	True lemons		Meyer lemons		All lemons			
	Bearing acres	Prod boxes	Bearing acres	Prod boxes	Bearing acres	Prod boxes	Price per box	Value of prod
	1,000 acres	1,000 boxes	1,000 acres	1,000 boxes	1,000 acres	1,000 boxes	Dols	1,000 dols
1984	1.6	485	.5	65	2.1	550	6.00	3,313
1985	1.3	275	.1	55	1.4	330	16.60	5,483
1986	1.3	560	.1	60	1.4	620	2.60	1,594
1987	1.2	470	.1	40	1.3	510	5.00	2,561
1988	1.1	433	.1	47	1.2	480	5.30	2,548

1/ Crop year corresponds to calendar year.

Source: AVOCADO AND LEMON RELEASE (APR) (Check with Carol for any add'l changes)

FLORIDA GRAPEFRUIT: Production by types, by areas of production,
crop years 1979-80 through 1988-89 1/

Crop year	White seedless			Colored seedless			Seedy		
	State	Interior	River	State	Interior	River	State	Interior	River
1,000 boxes									
1979-80	31,100	18,700	12,400	15,800	8,100	7,700	7,900	7,700	200
1980-81	28,400	16,000	12,400	14,600	6,700	7,900	7,300	7,100	200
1981-82	27,300	13,400	13,900	14,800	5,900	8,900	6,000	5,800	200
1982-83	21,800	11,800	10,000	12,800	5,000	7,800	4,800	4,700	100
1983-84	23,000	10,200	12,800	13,400	4,300	9,100	4,500	4,400	100
1984-85	24,800	8,600	16,200	16,300	4,200	12,100	2,900	2,800	100
1985-86	25,600	10,700	14,900	18,000	5,500	12,500	3,150	2,950	200
1986-87	26,900	10,300	16,600	20,000	5,100	14,900	2,900	2,800	100
1987-88	29,200	11,700	17,500	21,900	6,200	15,700	2,750	2,650	100
1988-89	27,700	11,400	16,300	23,700	6,700	17,000	3,350	3,250	100

1/ 1988-89 preliminary.

FLORIDA GRAPEFRUIT: Season average on-tree prices per box, by utilization
of sales and areas of production, by types, crop years
1983-84 through 1988-89 1/

Crop year and area	White seedless			Colored seedless		
	Fresh	Processing	All sales	Fresh	Processing	All sales
Dollars						
1983-84						
Interior	2.54	1.65	1.85	4.44	1.62	3.29
Indian River	3.11	1.66	2.28	5.40	1.54	4.28
State average	2.95	1.65	2.08	5.25	1.57	4.05
1984-85						
Interior	3.78	2.75	3.00	6.40	2.09	5.48
Indian River	4.00	2.78	3.02	6.70	2.41	4.66
State average	3.94	2.77	3.02	6.55	2.37	4.84
1985-86						
Interior	3.90	3.32	3.44	5.40	2.85	5.02
Indian River	4.40	3.33	3.66	5.80	3.23	4.91
State average	4.20	3.33	3.56	5.70	3.17	4.98
1986-87						
Interior	5.20	4.37	4.53	6.40	3.74	6.13
Indian River	4.50	4.35	4.40	6.50	4.28	5.66
State average	4.70	4.36	4.45	6.50	4.23	5.80
1987-88						
Interior	5.60	4.81	4.94	6.50	4.01	5.94
Indian River	7.20	4.79	5.63	7.00	3.81	5.90
State average	6.82	4.80	5.35	6.86	3.86	5.93
1988-89						
Interior	4.60	3.46	3.64	5.60	1.04	4.62
Indian River	7.50	3.36	4.95	7.00	1.11	4.78
State average	6.91	3.41	4.42	6.57	1.10	4.76

1/ 1988-89 preliminary.

This page should be completed.

FLORIDA CITRUS PRODUCTS: Annual packs of citrus and all citrus feeds, crop years 1974-75 through 1988-89

Crop year	Oranges							All citrus	
	Concentrated juice 1/		Chilled juice		Canned juice		Canned sections		
	Boxes	Product used	Boxes	Product used	Boxes	Product used	Boxes	Product used	Feed : Molasses
	1,000 gallons	1,000 boxes	1,000 gallons	1,000 boxes	1,000 cases 2/	1,000 boxes	1,000 cases 2/	1,000 tons	
1974-75	178,174	135,512	123,189	22,777	10,737	6,516	18	814	58
1975-76	186,265	144,526	132,940	23,992	10,635	6,308	26	857	33
1976-77	158,035	147,772	124,550	27,243	10,767	7,429	10	1,027	30
1977-78	161,204	130,929	134,369	25,379	11,654	7,210	16	897	24
1978-79	172,985	129,123	124,953	22,793	13,222	6,511	15	886	20
1979-80	231,210	173,229	134,782	25,430	13,869	6,656	18	1,091	36
1980-81	174,537	144,322	95,700	19,640	13,012	5,994	19	988	35
1981-82	133,294	104,355	84,597	16,293	11,503	4,058	14	724	23
1982-83	169,577	114,343	104,256	18,084	9,802	2,190	35	710	26
1983-84	121,216	94,016	92,814	16,981	9,084	2,269	NA	640	36
1984-85	118,472	86,112	81,445	14,903	7,425	1,185	NA	580	35
1985-86	132,406	96,061	NA	NA	7,596	1,361	NA	610	37
1986-87	145,056	96,182	NA	NA	8,122	947	NA	601	28
1987-88	169,973	110,206	NA	NA	7,256	904	NA	697	30
1988-89	174,717	113,729	NA	NA	8,164	1,141	NA	770	24

Crop year	Concentrated juice				Canned products					
	Grapefruit		Tangerine		Blended		Grapefruit		Tangerine	
	Boxes	Prod used	Boxes	Prod used	Boxes	Prod used	Boxes	Prod used	Boxes	Prod used
	1,000 gallons	1,000 boxes	1,000 gallons	1,000 boxes	1,000 gallons	1,000 boxes	1,000 cases 2/	1,000 cases 2/	1,000 cases 2/	1,000 cases 2/
1974-75	7,847	7,779	1,147	4	15,951	2,236	12	1,493	206	
1975-76	9,316	8,987	1,111	1	18,439	1,602	19	1,687	112	
1976-77	1,258	3,013	926	18	18,809	1,722	35	1,308	84	
1977-78	13,693	13,999	1,672	1	17,246	1,753	8	1,664	111	
1978-79	14,243	13,274	1,367	3	16,764	1,823	19	1,255	76	
1979-80	19,443	18,506	2,142	1	16,604	1,966	17	1,314	74	
1980-81	20,763	19,490	1,175	3	14,231	1,671	9	984	79	
1981-82	21,869	20,052	924	18	15,725	1,344	6	727	69	
1982-83	14,483	13,977	334	1	11,651	1,235	4	650	94	
1983-84	19,291	18,728	636	0	9,513	NA	0	555	NA	
1984-85	24,802	22,996	285	0	10,552	NA	1	615	NA	
1985-86	24,162	21,572	368	0	9,948	NA	0	577	NA	
1986-87	28,875	24,143	373	0	8,982	NA	0	533	NA	
1987-88	31,906	26,690	583	0	7,724	NA	0	449	NA	
1988-89	32,466	26,621	495	0	7,956	NA	0	424	NA	

45.0 degrees Brix through 1979-80; 43.4 degrees Brix, 1980-81; 42.0 degrees Brix, 1981-82 and later seasons. 2/ Equiv. cases, 24 No.2 cans.

SOURCE: See Page 45, Data Sources, Item 3.

USDA Citrus Summary (Sep), FL Citrus Processors Ass. ~~and~~ F.C.P.A. final reports (2/3/52)

FLORIDA CITRUS: Monthly and season average on-tree price per box
for crop years 1984-85 through 1988-89 1/

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Season average
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Dollars

Early (including Navels) and midseason oranges

All methods of sale

1984-85	--	9.21	7.70	7.16	6.79	--	7.30
1985-86	--	4.46	4.16	3.83	3.75	3.57	3.92
1986-87	--	5.01	4.42	4.45	4.83	--	4.56
1987-88	--	7.53	6.33	6.46	6.87	8.35	6.72
1988-89	--	6.46	6.12	6.54	6.97	7.29	6.55

Sales for fresh use

1984-85	--	11.75	12.45	10.45	12.95	--	11.85
1985-86	--	6.40	7.40	4.50	4.50	6.50	6.40
1986-87	--	6.60	6.50	4.90	4.60	--	6.10
1987-88	--	8.15	7.55	6.85	7.65	8.35	7.65
1988-89	--	8.45	7.85	6.25	5.85	6.45	7.65

Sales for processing

1984-85	--	6.67	6.80	7.05	6.75	--	6.90
1985-86	--	2.61	3.61	3.81	3.74	3.49	3.70
1986-87	--	3.65	4.15	4.43	4.84	--	4.43
1987-88	--	6.60	6.15	6.45	6.85	8.35	6.64
1988-89	--	5.29	5.93	6.55	6.99	7.29	6.47

Crop year	Feb	Mar	Apr	May	Jun	Jul	Season average
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Dollars

Late (Valencia) oranges

All methods of sale

1984-85	6.95	6.57	6.79	7.03	7.36	--	6.88
1985-86	3.86	3.49	3.78	4.20	4.23	--	3.97
1986-87	--	5.64	5.83	6.05	6.54	--	6.02
1987-88	--	8.45	8.41	8.81	9.01	--	8.73
1988-89	--	6.56	7.66	8.98	9.54	--	8.31

Sales for fresh use

1984-85	12.95	9.45	9.05	8.95	9.25	--	9.65
1985-86	4.20	3.50	3.30	3.20	6.70	--	3.90
1986-87	--	5.40	5.60	5.90	9.80	--	6.30
1987-88	--	8.65	7.85	7.95	10.75	--	8.45
1988-89	--	6.05	6.75	8.35	12.95	--	7.45

Sales for processing

1984-85	6.75	6.42	6.68	6.94	7.21	--	6.75
1985-86	3.74	3.49	3.81	4.24	4.04	--	3.98
1986-87	--	5.73	5.84	6.06	6.32	--	6.00
1987-88	--	8.35	8.45	8.85	8.95	--	8.75
1988-89	--	6.65	7.70	9.00	9.45	--	8.35

1/ 1988-89 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box
for crop years 1984-85 through 1988-89 1/

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season average
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Dollars

White seedless grapefruit

All methods of sale

1984-85	3.54	2.96	3.00	3.02	3.10	2.85	3.11	3.38	3.02
1985-86	3.74	2.73	3.28	3.46	3.52	3.63	4.18	--	3.56
1986-87	6.08	3.37	4.01	4.30	4.41	4.54	5.08	--	4.45
1987-88	7.62	5.33	5.10	5.23	5.40	5.14	5.40	5.66	5.35
1988-89	--	4.64	4.19	4.79	4.40	4.13	4.66	4.88	4.42

Sales for fresh use

1984-85	4.20	3.50	3.46	3.74	4.85	3.70	3.90	4.43	3.94
1985-86	4.50	3.21	3.49	3.70	3.80	4.50	5.30	--	4.20
1986-87	7.40	3.70	3.90	3.90	4.00	4.60	5.60	--	4.70
1987-88	8.59	5.99	6.07	5.89	7.16	6.78	6.70	7.26	6.82
1988-89	--	5.95	6.63	6.90	6.99	6.98	7.28	7.54	6.91

Sales for processing

1984-85	1.69	2.28	2.75	2.69	2.84	2.76	2.92	2.75	2.77
1985-86	2.15	2.48	3.21	3.37	3.46	3.44	3.57	--	3.33
1986-87	2.97	3.12	4.04	4.41	4.52	4.53	4.62	--	4.36
1987-88	4.05	4.20	4.55	4.90	4.90	4.85	4.75	4.35	4.80
1988-89	--	2.35	2.75	3.35	3.60	3.55	3.30	3.35	3.41

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season average
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Dollars

Colored seedless grapefruit

All methods of sale

1984-85	5.89	5.33	5.26	5.14	4.50	4.17	4.71	4.91	4.84
1985-86	5.68	4.63	4.42	4.54	4.67	5.18	5.54	5.64	4.98
1986-87	8.31	5.80	5.67	5.42	5.35	5.54	5.32	6.24	5.80
1987-88	10.50	6.91	6.37	6.02	5.71	5.40	5.00	4.87	5.93
1988-89	8.16	5.99	4.62	4.09	4.05	3.96	4.56	4.99	4.76

Sales for fresh use

1984-85	6.90	6.23	6.11	6.37	7.91	6.50	6.56	7.20	6.55
1985-86	6.50	5.30	5.00	5.00	5.40	6.10	6.30	6.50	5.70
1986-87	9.80	6.50	6.30	5.90	5.80	6.10	5.70	7.00	6.50
1987-88	11.78	7.58	7.06	6.75	6.46	6.26	5.75	6.00	6.86
1988-89	10.67	7.68	6.29	5.86	5.57	5.68	6.26	6.86	6.57

Sales for processing

1984-85	.95	1.58	2.08	2.38	2.59	2.52	2.43	2.25	2.37
1985-86	2.18	2.04	2.77	3.40	3.34	3.23	3.84	3.61	3.17
1986-87	1.63	3.34	3.96	4.45	4.58	4.59	4.52	4.41	4.23
1987-88	3.55	3.60	4.00	4.25	4.35	4.15	3.65	2.70	3.86
1988-89	1.15	1.05	0.90	0.25	1.25	1.25	1.25	1.45	1.10

1/ 1988-89 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box
for crop years 1984-85 through 1988-89 1/

Crop year	Apr	May	Jun	Jul	Aug	Sep
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Dollars

Limes

All methods of sale

1984-85	35.74	7.40	0.48	-0.38	1.52	4.56
1985-86	26.85	8.90	1.04	-0.21	1.13	3.96
1986-87	53.05	31.36	11.57	-0.70	-0.74	6.53
1987-88	28.42	28.71	16.85	2.70	0.83	4.47
1988-89	29.80	6.80	-0.20	1.30	2.84	4.87

Sales for fresh use

1984-85	45.20	13.20	1.70	1.20	3.20	9.20
1985-86	32.00	10.00	3.00	1.00	4.00	11.00
1986-87	81.90	45.90	14.90	-0.10	-1.10	8.30
1987-88	33.90	37.90	21.90	4.90	3.90	7.90
1988-89	29.80	6.80	-0.20	1.40	4.90	13.90

Sales for processing

1984-85	-2.10	-1.55	-1.00	-0.50	-0.45	-0.78
1985-86	-1.99	-0.78	-0.78	-0.78	-0.67	-0.82
1986-87	-0.80	-1.60	-2.25	-1.05	-0.55	-0.90
1987-88	-2.15	-2.15	-2.15	-2.15	-1.40	-1.05
1988-89	--	--	--	-1.20	-1.20	-1.22

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Season average
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Dollars

Limes

All methods of sale

1984-85	2.27	6.86	21.66	23.38	18.90	30.14	7.27
1985-86	7.28	16.58	21.93	19.78	25.04	46.62	7.94
1986-87	5.64	13.76	16.61	13.82	16.21	25.17	8.57
1987-88	3.65	11.78	34.80	43.80	41.80	39.80	12.69
1988-89	5.24	16.59	41.80	47.80	44.80	32.80	11.29

Sales for fresh use

1984-85	3.20	9.20	27.20	28.20	23.20	39.20	12.20
1985-86	12.00	27.00	34.00	33.00	36.00	66.00	16.50
1986-87	7.90	17.90	20.90	17.90	20.90	32.90	15.40
1987-88	10.90	17.90	34.80	43.80	41.80	39.80	20.12
1988-89	14.90	18.90	41.80	47.80	44.80	32.80	15.24

Sales for processing

1984-85	-1.30	-1.82	-1.82	-1.82	-1.82	-1.82	-0.94
1985-86	-1.82	-1.82	-1.82	-1.82	-1.82	-1.82	-0.98
1986-87	-2.40	-2.25	-2.25	-2.25	-2.25	-2.15	-1.11
1987-88	-2.40	-3.00	--	--	--	--	-1.84
1988-89	-1.23	-1.20	--	--	--	--	-1.22

1/ 1988-89 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box
for crop years 1984-85 through 1988-89 1/

Crop year	Oct	Nov	Dec	Jan	Feb	Season average
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Dollars

Tangelos

All methods of sale

1984-85	11.06	8.63	7.12	6.08	6.31	7.08
1985-86	5.97	4.61	4.10	3.71	3.04	4.06
1986-87	--	4.19	3.60	3.59	3.88	3.72
1987-88	--	6.82	5.47	5.42	4.92	5.58
1988-89	--	6.06	6.05	5.80	4.51	5.85

Sales for fresh use

1984-85	14.90	11.20	8.90	10.90	14.40	10.40
1985-86	9.80	6.80	5.60	7.50	5.80	6.40
1986-87	--	6.10	5.10	6.10	6.60	5.70
1987-88	--	9.15	6.65	8.15	9.15	7.65
1988-89	--	8.15	7.15	11.05	10.55	8.15

Sales for processing

1984-85	4.48	4.80	4.90	4.90	4.12	4.80
1985-86	1.98	1.93	2.23	2.13	2.13	2.12
1986-87	--	2.53	2.68	2.88	2.88	2.76
1987-88	--	3.50	4.50	4.80	4.45	4.55
1988-89	--	3.70	5.10	4.60	4.00	4.59

Crop year	Sep	Oct	Nov	Season average	Jan	Feb	Mar	Apr	Season average
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Dollars

Dollars

K-Early Citrus Fruit

Temples

All methods of sale

All methods of sale

1984-85	13.81	11.54	5.45	11.94	6.25	5.13	5.29	--	5.59
1985-86	8.99	8.73	3.96	8.46	3.63	2.80	2.32	2.54	3.01
1986-87	--	7.03	3.77	6.72	4.69	3.37	3.20	3.53	3.60
1987-88	--	8.84	5.63	8.39	6.58	5.31	5.59	--	5.69
1988-89	--	5.71	5.25	5.61	5.87	4.04	4.04	4.31	4.44

Sales for fresh use

Sales for fresh use

1984-85	14.90	13.90	8.40	14.10	9.40	10.90	11.60	--	9.90
1985-86	10.80	11.10	7.00	10.90	6.00	5.80	5.80	5.80	5.90
1986-87	--	8.60	4.40	8.20	5.70	4.20	4.90	6.80	5.00
1987-88	--	10.75	8.15	10.45	7.45	6.15	8.45	--	7.05
1988-89	--	7.05	6.55	6.95	7.55	5.25	7.05	7.05	6.75

Sales for processing

Sales for processing

1984-85	1.50	2.50	2.50	2.37	4.52	4.52	4.72	--	4.56
1985-86	0.57	0.92	0.92	0.89	1.87	1.72	1.52	1.52	1.71
1986-87	--	1.07	1.52	1.12	2.86	3.06	2.91	2.96	2.97
1987-88	--	1.55	1.75	1.60	4.40	4.90	5.05	--	4.91
1988-89	--	0.60	1.00	0.73	3.00	3.70	3.85	4.30	3.74

1/ 1988-89 preliminary.

FLORIDA CITRUS: Monthly and season average on-tree price per box
for crop years 1984-85 through 1988-89 1/

Crop year	Oct	Nov	Dec	Season average	Nov	Dec	Jan	Feb	Season average
Dollars					Dollars				
Robinson tangerines					Dancy tangerines				
All methods of sale					All methods of sale				
1984-85	17.33	16.94	--	17.17	16.89	14.78	13.60	--	15.16
1985-86	17.80	14.98	--	16.57	14.33	11.27	6.94	--	10.94
1986-87	17.60	16.70	11.30	16.48	15.90	11.10	7.68	1.51	10.00
1987-88	19.90	18.78	15.36	19.05	17.78	11.54	7.56	2.92	10.22
1988-89	18.14	15.12	13.55	15.89	14.78	12.72	5.86	2.81	10.49
Sales for fresh use					Sales for fresh use				
1984-85	23.05	22.55	--	22.85	22.55	21.05	23.55	--	21.70
1985-86	24.60	20.70	--	22.90	20.70	17.10	14.70	--	17.55
1986-87	24.20	22.40	15.90	22.40	22.40	16.00	14.20	--	16.20
1987-88	24.75	23.75	21.75	24.05	24.55	16.25	12.75	11.75	15.95
1988-89	24.65	20.65	19.15	21.75	20.65	18.65	12.65	12.65	17.45
Sales for processing					Sales for processing				
1984-85	2.90	3.84	--	3.26	3.84	4.00	4.56	--	4.07
1985-86	0.90	0.60	--	.77	0.60	0.54	0.83	--	.64
1986-87	0.80	0.70	1.75	.86	0.31	1.36	1.51	1.51	1.37
1987-88	1.65	2.32	2.58	2.10	1.85	2.04	2.25	2.25	2.14
1988-89	0.95	1.65	1.85	1.47	2.05	2.15	1.35	1.35	1.78

Crop year	Jan	Feb	Mar	Apr	May	Season average
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Dollars

Honey tangerines						
All methods of sale						
1984-85	10.83	8.20	14.55	--	--	10.68
1985-86	9.24	8.98	11.74	13.67	9.10	10.04
1986-87	9.59	9.20	8.96	13.40	--	9.57
1987-88	13.49	12.82	13.44	15.59	--	13.41
1988-89	12.58	11.93	11.52	14.68	--	12.31
Sales for fresh use						
1984-85	24.90	22.90	23.90	--	--	24.10
1985-86	18.10	15.30	15.90	17.00	17.10	16.50
1986-87	15.10	13.10	11.90	17.20	--	13.40
1987-88	17.75	15.75	16.25	19.75	--	16.65
1988-89	22.15	18.15	15.65	19.65	--	18.45
Sales for processing						
1984-85	4.15	4.55	4.55	--	--	4.39
1985-86	1.43	1.63	1.83	3.13	3.23	1.70
1986-87	3.04	3.24	3.29	3.54	--	3.24
1987-88	4.85	6.65	6.75	7.65	--	6.42
1988-89	4.65	4.95	6.35	7.15	--	5.47

1/ 1988-89 preliminary.

FLORIDA CITRUS: Production by counties, areas
and types, 1988-89 season

County and area	Round oranges 1/			Grapefruit			Spe- cialty: fruit	All citrus 2/
	Early and mid	Late Valencia:	All	Seedless White	Colored	Seedy		

Counties:	1,000 boxes								
Brevard	1,412	1,355	2,767	352	555	13	920	185	3,872
Broward	26	95	121	1	36	1	38	9	168
Charlotte	1,278	990	2,268	111	99	15	225	55	2,548
Collier	1,623	821	2,444	188	578	36	802	112	3,358
DeSoto	7,783	4,804	12,587	248	69	120	437	368	13,392
Glades	1,278	400	1,678	26	63	0	89	23	1,790
Hardee	10,647	3,930	14,577	164	97	53	314	359	15,250
Hendry	6,469	4,258	10,727	1,769	1,408	95	3,272	540	14,539
Highlands	5,073	7,995	13,068	1,408	336	466	2,210	1,207	16,485
Hillsborough	6,157	1,945	8,102	230	168	71	469	353	8,924
Indian River	3,810	3,255	7,065	7,852	7,083	28	14,963	617	22,645
Lake	1,800	1,115	2,915	84	230	27	341	729	3,985
Lee	897	731	1,628	124	77	12	213	45	1,886
Manatee	3,386	1,371	4,757	296	315	257	868	357	5,982
Martin	4,096	5,138	9,234	1,942	602	10	2,554	355	12,143
Okeechobee	1,025	427	1,452	285	104	2	391	51	1,894
Orange	2,241	1,621	3,862	85	102	23	210	523	4,595
Osceola	2,508	1,297	3,805	243	198	40	481	324	4,610
Palm Beach	1,837	1,095	2,932	959	728	12	1,699	521	5,152
Pasco	488	157	645	11	6	5	22	42	709
Pinellas	12	34	46	18	7	16	41	15	102
Polk	15,386	12,950	28,336	4,055	2,030	1,995	8,080	2,427	38,843
St. Lucie	5,246	5,143	10,389	7,102	8,734	47	15,883	1,427	27,699
Sarasota	271	162	433	106	33	3	142	41	616
Seminole	217	93	310	2	1	1	4	68	382
Volusia	143	91	234	38	25	2	65	10	309
Other 3/	191	27	218	1	16	0	17	7	242
State total	85,300	61,300	146,600	27,700	23,700	3,350	54,750	10,770	212,120

Area:	1,000 boxes								
Indian River District	11,305	11,273	22,578	16,300	17,000	100	33,400	2,364	58,342
Northern	4,975	3,020	7,995	183	355	56	594	1,369	9,958
Central	22,938	22,214	45,152	5,689	2,533	2,501	10,723	3,940	59,815
Western	28,256	12,246	40,502	1,062	689	520	2,271	1,493	44,266
Southern	17,826	12,547	30,373	4,466	3,123	173	7,762	1,604	39,739
State total	85,300	61,300	146,600	27,700	23,700	3,350	54,750	10,770	212,120

1/ Revised November 9, 1989.
2/ Excludes limes and lemons.
3/ Citrus, Hernando, Marion, Putnam, and Sumter counties.

FLORIDA CITRUS: Total acreage by counties and types of fruit as of January 1, 1988

County	Round oranges			Grapefruit			Spe- cialty fruit 2/:	All citrus	
	Early	Late	All 1/:	Seedless	Seedy	All 1/:			
	and mid	Valencia:	:	White	Colored:	:			
	Acres								
Brevard	4,554	3,997	8,916	699	1,380	79	2,190	535	11,641
Broward	155	417	593	1	125	5	131	40	764
Charlotte	4,070	4,236	8,675	238	200	36	475	195	9,345
Citrus	126	3	182	0	2	0	2	7	191
Collier	7,315	7,624	15,164	339	1,154	83	1,576	569	17,309
Dade	0	0	0	0	0	0	0	6,308	6,308
DeSoto	20,861	17,129	41,000	391	235	412	1,151	992	43,143
Glades	3,894	1,900	6,001	41	107	0	148	86	6,235
Hardee	27,049	12,127	43,910	214	280	204	833	1,155	45,898
Hendry	22,797	21,881	45,363	2,970	2,727	229	5,959	3,631	54,953
Hernando	560	14	672	0	1	0	1	22	695
Highlands	14,187	25,647	41,902	1,875	485	1,039	3,564	3,103	48,569
Hillsborough	15,706	5,757	23,503	350	321	244	989	1,015	25,507
Indian River	14,578	14,305	29,645	17,098	15,620	149	33,522	1,995	65,162
Lake	8,854	4,366	22,553	231	687	79	1,254	2,421	26,228
Lee	3,084	3,379	7,076	264	188	51	520	651	8,247
Manatee	9,149	4,814	16,013	421	630	767	1,956	810	18,779
Marion	715	79	1,053	2	40	0	42	114	1,209
Martin	13,478	19,425	34,462	3,785	1,230	42	5,132	1,327	40,921
Okeechobee	4,724	2,218	7,016	634	209	5	854	254	8,124
Orange	6,879	5,237	15,402	169	212	77	497	1,457	17,356
Osceola	6,711	4,038	12,196	484	374	93	1,044	874	14,114
Palm Beach	5,529	4,036	9,693	1,620	1,375	23	3,018	2,176	14,887
Pasco	5,595	890	8,927	54	16	20	251	193	9,371
Pinellas	32	92	143	30	12	57	99	34	276
Polk	36,411	38,344	88,036	5,435	2,966	4,953	14,639	5,871	108,546
Putnam	14	0	46	0	0	0	0	0	46
St. Lucie	18,831	21,743	44,417	15,494	20,741	234	39,359	5,117	88,893
Sarasota	612	513	1,633	161	54	10	225	71	1,929
Seminole	829	281	1,252	4	3	1	8	180	1,440
Sumter	74	34	108	0	8	0	8	0	116
Volusia	718	342	1,185	80	61	11	159	35	1,379
State total	258,101	224,868	536,737	53,084	51,443	8,903	119,606	41,238	697,581

1/ Includes unidentified variety acreage. 2/ Includes limes and lemons. (Dade County limes surveyed as of November 1988.)

FLORIDA CITRUS: Total trees by counties and types of fruit as of January 1, 1988

County	Round oranges			Grapefruit			Spe- cialty fruit 2/:	All citrus	
	Early	Late	All 1/	Seedless	Seedy	All 1/			
	and mid	Valencia:	:	White	Colored:	:			
	1,000 trees								
Brevard	450.4	439.2	926.5	56.2	99.5	6.2	165.0	41.0	1,132.5
Broward	12.5	30.1	43.4	0.1	8.0	0.3	8.4	2.8	54.6
Charlotte	389.8	437.4	866.9	19.8	15.8	3.3	38.9	20.7	926.5
Citrus	10.7	0.3	16.5	0.0	0.2	0.0	0.2	0.4	17.1
Collier	943.6	995.5	1,964.4	34.0	121.5	9.6	165.1	70.7	2,200.2
Dade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,000.9	1,000.9
DeSoto	2,316.5	1,935.3	4,588.4	30.1	19.8	32.1	94.6	99.4	4,782.4
Glades	375.0	191.3	591.9	4.4	9.3	0.0	13.7	8.1	613.7
Hardee	2,527.4	1,035.6	4,076.5	19.1	22.1	13.5	69.1	123.8	4,269.4
Hendry	2,904.8	2,897.1	5,906.5	311.1	312.8	22.0	649.5	495.9	7,051.9
Hernando	63.0	1.5	74.2	0.0	0.3	0.0	0.3	2.6	77.1
Highlands	1,549.2	2,452.9	4,248.0	142.1	34.6	75.3	264.4	293.6	4,806.0
Hillsborough	1,338.2	491.2	2,037.2	27.1	26.9	17.2	77.5	118.5	2,233.2
Indian River	1,379.7	1,359.7	2,828.6	1,324.5	1,419.6	11.8	2,819.6	202.2	5,850.4
Lake	928.2	390.6	2,396.7	19.1	55.4	7.0	107.9	245.2	2,749.8
Lee	342.1	386.6	799.7	23.3	21.6	4.3	51.4	78.3	929.4
Manatee	849.9	434.2	1,526.9	34.9	56.7	66.2	172.3	74.2	1,773.4
Marion	73.2	8.9	109.8	0.2	4.6	0.0	4.8	14.4	129.0
Martin	1,502.0	2,087.5	3,796.2	340.8	110.4	3.7	460.1	139.6	4,395.9
Okeechobee	481.7	204.1	693.3	50.4	17.7	0.4	69.0	21.7	784.0
Orange	602.3	391.4	1,365.2	12.3	14.9	6.2	37.7	129.5	1,532.4
Osceola	583.8	335.2	1,073.6	38.8	33.9	6.3	85.7	79.1	1,238.4
Palm Beach	600.8	460.0	1,075.4	165.8	133.2	2.4	301.4	231.1	1,607.9
Pasco	633.1	100.3	1,049.6	4.1	1.1	1.3	21.4	20.2	1,091.2
Pinellas	2.6	7.6	12.1	2.3	1.0	4.4	7.7	3.3	23.1
Polk	3,207.8	2,981.3	7,569.5	361.2	210.6	313.5	986.3	577.6	9,133.4
Putnam	1.5	0.0	5.7	0.0	0.0	0.0	0.0	0.0	5.7
St. Lucie	1,906.8	2,086.3	4,518.1	1,223.2	1,803.8	17.2	3,372.8	514.6	8,405.5
Sarasota	57.8	47.3	162.9	15.3	4.6	0.8	20.7	7.4	191.0
Seminole	69.8	20.7	102.0	0.3	0.2	0.1	0.6	12.1	114.7
Sumter	7.1	4.0	11.1	0.0	0.7	0.0	0.7	0.0	11.8
Volusia	63.1	26.9	99.8	6.5	6.3	0.8	14.4	2.3	116.5
State total	26,174.4	22,240.0	54,536.6	4,267.0	4,567.1	625.9	10,081.2	4,631.2	69,249.0

1/ Includes unidentified variety acreage. 2/ Includes limes and lemons (Dade County limes surveyed as of November 1988.)

OTHER STATES' CITRUS: Acreage by states, types, and age groups

Arizona 1/				
Type	Central	Western	Total	
Acres				
Valencia	2,200	4,200	6,400	
Navel and sweets	3,970	230	4,200	
White grapefruit	1,630	260	1,890	
Red blush grapefruit	1,870	2,240	4,110	
Lemons	1,500	14,000	15,500	
Tangerine types	2,030	1,470	3,500	
Total	13,200	22,400	35,600	

California 2/									
Year set	:Navel and: : other : oranges	:Valencia : oranges	: White : grape- : fruit	: Red : grape- : fruit	: Lemons	: Limes	:Tangelos : and : Tangors	: Tang- : erines	: All : citrus
Acres									
Pre-1977	101,921	64,381	5,850	11,421	44,533	607	4,216	2,002	234,931
1977	574	242	57	417	781	185	24	145	2,325
1978	572	220	28	408	489	97	99	214	2,127
1979	540	432	10	386	606	58	73	191	2,296
1980	633	765	3	216	359	64	128	88	2,256
1981	591	310	6	234	844	40	30	151	2,206
1982	503	277	83	578	559	38	50	265	2,353
1983	608	887	14	154	131	9	5	111	1,919
1984	1,338	1,097	0	240	124	2	15	56	2,872
1985	1,502	1,242	13	68	30	1	37	157	3,050
1986	2,996	1,353	18	236	49	2	94	79	4,827
1987	1,589	472	38	297	330	0	78	188	2,992
1988	1,304	167	14	282	9	0	0	51	1,827
Total	114,671	71,845	6,134	14,937	48,844	1,003	4,849	3,898	265,981

Texas 3/									
Age in years	Oranges			Grapefruit				Other 5/	All citrus
	Early and mids	:Valen- : cia	: Total	: Ruby : Red	: Redder : varieties : 4/	: Other	: Total		
Acres									
1 TO 3	1,990	110	2,100	480	3,010	10	3,500	--	5,600
4 TO 7	2,560	540	3,100	1,200	2,240	130	3,570	--	6,670
8 TO 11	650	110	760	2,490	400	40	2,930	--	3,690
12+	4,460	3,580	8,040	9,060	910	430	10,400	--	18,440
Total	9,660	4,340	14,000	13,230	6,560	610	20,400	100	34,500

1/ 1987-88 harvested acres. 2/ Acreage as of 1988. 3/ Acreage as of January 1, 1989. 4/ Includes Star Ruby, Henderson/Ray and Rio Red. 5/ Includes lemons, limes, tangelos and tangerines.

SOURCES: See Page 45, Data Sources, Item 4.

ORANGES AND TANGERINES: Orange receipts at 19 U.S. cities and 5 Canadian cities;
 tangerine receipts at 18 U.S. cities, September 1,
 1988 through July 31, 1989, by source

City	Florida		California		Arizona		Texas		Others 1/		Total	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	boat	Truck	Truck	
Oranges 1,000 cartons												
U.S. cities:												
Atlanta	---	599	---	264	---	7	---	1	---	---	871	
Baltimore- Washington	59	342	125	818	11	13	---	1	---	195	1,175	
Boston	106	273	1,372	598	3	---	---	---	1	1,481	872	
Buffalo	---	46	65	290	---	2	---	---	---	65	338	
Chicago	---	695	3,944	1,671	5	3	---	32	---	3,949	2,401	
Cincinnati	---	141	52	507	---	---	---	18	---	52	667	
Columbia	---	260	---	28	---	---	---	---	---	---	288	
Dallas	---	---	---	374	---	72	---	123	---	---	569	
Denver	---	149	---	334	---	3	---	41	---	---	527	
Detroit	---	177	39	514	---	---	---	---	1	39	692	
Los Angeles	---	2	---	3,505	---	15	5	328	---	3	3,853	
Miami	---	251	6	106	---	1	---	---	---	6	358	
New Orleans	---	63	---	368	---	12	---	61	---	3	507	
New York-Newark	741	241	2,119	693	6	---	---	---	---	2,866	934	
Philadelphia	161	321	880	516	6	11	---	---	---	1,047	848	
Pittsburgh	---	57	107	489	---	---	---	---	---	107	546	
St. Louis	---	59	6	591	---	1	---	6	---	6	658	
San Francisco- Oakland	---	38	---	2,175	---	2	---	454	---	28	2,697	
Seattle-Tacoma	---	5	---	1,020	---	214	---	22	---	---	1,261	
Total	1,067	3,719	8,715	14,861	31	356	5	1,087	---	39	9,818	20,062
Canadian cities:												
Montreal	---	255	91	387	864	1	---	---	---	204	955	847
Ottawa	---	---	---	---	---	---	---	---	---	---	---	---
Toronto	---	474	454	2,289	---	3	---	1	---	135	454	2,902
Vancouver	---	77	62	977	4	17	---	---	---	20	66	1,091
Winnipeg	---	10	---	364	---	1	---	18	---	27	---	420
Total	---	816	607	4,017	868	22	---	19	---	386	1,475	5,260
Tangerines												
U.S. cities:												
Atlanta	---	66	---	4	---	1	---	---	---	2	---	73
Baltimore- Washington	10	103	---	1	---	---	---	---	---	12	10	116
Boston	9	128	---	6	---	---	---	---	---	3	9	137
Buffalo	---	21	---	1	---	---	---	---	---	6	---	28
Chicago	---	117	37	23	2	---	---	1	---	35	39	176
Cincinnati	---	34	---	---	---	---	---	---	---	24	---	58
Columbia	---	18	---	---	---	---	---	---	---	---	---	18
Dallas	---	1	---	1	---	2	---	---	---	14	---	18
Denver	---	4	---	6	---	---	---	---	---	24	---	34
Detroit	---	54	---	---	---	---	---	---	---	7	---	61
Los Angeles	---	18	---	99	---	30	---	---	---	5	---	152
Miami	---	57	---	---	---	---	---	---	---	1	---	58
New Orleans	---	10	---	43	---	8	---	1	---	27	---	89
New York-Newark	134	84	---	21	---	---	---	---	---	3	134	108
Philadelphia	9	81	---	4	---	2	---	---	---	10	9	97
Pittsburgh	---	35	---	4	---	---	---	---	---	5	---	44
St. Louis	---	21	---	1	---	---	---	---	---	9	---	31
San Francisco- Oakland	---	36	---	333	---	1	---	---	---	34	---	404
Seattle-Tacoma	---	21	---	47	---	1	---	---	---	---	---	69
Total	162	909	37	594	2	45	---	2	---	221	201	1,771

1/ Principal source of receipts of oranges at U.S. cities were Central America, Israel, South Africa, Mexico, Australia. Principal source of receipts of tangerines at U.S. cities were Mexico and Spain.

Source: See Page 45, Data Sources, Item 5.

GRAPEFRUIT, TANGELOS AND TEMPLES: Grapefruit receipts at 19 U.S. cities and 5 Canadian cities; tangelo and Temple receipts at 16 U.S. cities, September 1, 1988 through July 31, 1989, by source

City	Florida		California		Arizona		Texas		Others 1/		Total	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	boat	Truck	boat	Truck
Grapefruit 1,000 cartons												
U.S. cities:												
Atlanta	5	311	---	40	---	2	---	1	---	---	5	354
Baltimore-Washington	78	498	5	122	---	2	---	17	---	1	83	640
Boston	156	721	58	114	---	---	---	1	---	1	214	837
Buffalo	---	158	---	18	---	---	---	3	---	1	---	180
Chicago	---	567	187	157	14	10	---	191	---	---	201	925
Cincinnati	---	287	---	66	---	3	---	59	---	---	---	415
Columbia	---	56	---	3	---	---	---	---	---	---	---	59
Dallas	---	---	---	39	---	54	---	144	---	1	---	238
Denver	---	216	---	55	---	17	---	58	---	---	---	346
Detroit	---	439	---	69	---	---	---	13	---	2	---	523
Los Angeles	---	5	---	885	---	75	---	193	---	1	---	1,159
Miami	---	167	---	48	---	---	---	---	---	---	---	215
New Orleans	---	9	---	79	---	15	---	53	---	---	---	156
New York-Newark	955	427	135	105	---	---	---	---	---	---	1,090	532
Philadelphia	252	409	54	50	5	5	---	14	---	---	311	478
Pittsburgh	---	243	6	65	---	1	---	3	---	---	6	312
St. Louis	---	233	---	35	---	1	---	38	---	1	---	308
San Francisco-Oakland	---	9	---	662	---	4	---	326	---	10	---	1,011
Seattle-Tacoma	---	62	---	260	---	130	---	124	---	---	---	576
Total	1,446	4,817	445	2,872	19	319	---	1,238	---	18	1,910	9,264
Canadian cities:												
Montreal	---	861	---	40	12	2	---	---	---	---	12	903
Ottawa	---	---	---	---	---	---	---	---	---	---	---	---
Toronto	---	1,313	2	118	---	6	---	1	---	8	2	1,446
Vancouver	---	190	4	317	---	10	11	17	2	3	17	537
Winnipeg	---	105	---	26	---	1	---	36	---	2	---	170
Total	---	2,469	6	501	12	19	11	54	2	13	31	3,056

City	Tangelos - Truck					Temples - Truck		
	Florida	California	Texas	Mexico	Total	Florida	Other	Total
U.S. cities: 1,000 cartons								
Atlanta	23	2	---	---	25	4	---	4
Baltimore-Washington	48	7	---	---	55	26	---	26
Boston	32	16	---	---	48	30	---	30
Buffalo	10	1	---	---	11	10	---	10
Chicago	36	11	---	---	47	19	---	19
Cincinnati	39	11	---	---	50	16	---	16
Columbia	5	---	---	---	5	---	---	---
Dallas	---	20	---	---	20	---	---	---
Denver	11	1	---	---	12	---	---	---
Detroit	30	4	---	---	34	28	---	28
Los Angeles	---	44	---	---	44	---	---	---
Miami	37	1	---	---	38	22	---	22
New Orleans	1	6	---	---	7	---	---	---
New York-Newark	18	2	---	---	20	23	---	23
Philadelphia	45	12	---	---	57	12	---	12
Pittsburgh	26	1	---	---	27	14	---	14
St. Louis	16	2	---	---	18	7	---	7
San Francisco-Oakland	1	56	---	---	57	---	---	---
Seattle-Tacoma	5	16	---	---	21	---	---	---
Total	383	213	---	---	596	211	---	211

1/ Principal source of receipts of grapefruit at U.S. cities were Central America, Israel, South Africa, Mexico, Australia.

Source: See Page 45, Data Sources, Item 5.

ORANGES: Total fresh shipments in U.S. and to Canada by states of origin
and imports to U.S., monthly for crop years 1984-85 through 1988-89

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
-----------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

1,000 cartons

Florida													
1984-85	3	929	2,247	3,569	1,340	700	993	1,058	1,123	385	36	7	12,390
1985-86	24	962	2,219	4,399	1,724	1,543	1,705	1,955	1,522	562	212	6	16,833
1986-87	19	803	2,321	4,474	1,770	1,455	1,468	1,734	1,756	646	153	2	16,601
1987-88	7	516	2,490	4,677	1,881	1,620	1,666	1,983	1,953	791	142	15	17,741
1988-89	2	748	2,504	4,455	1,380	1,298	1,411	1,439	1,281	492	98	40	15,148

Arizona													
1984-85	---	2	258	368	108	83	434	730	751	139	15	---	2,888
1985-86	---	1	245	378	130	25	447	633	650	130	22	---	2,661
1986-87	---	65	607	286	225	125	338	573	746	222	34	---	3,221
1987-88	---	14	355	403	198	31	171	583	395	45	1	---	2,196
1988-89	---	2	246	373	133	55	146	230	437	215	64	6	1,907

California 1/													
1984-85	2,987	1,894	4,958	7,148	6,342	7,421	9,676	7,301	4,641	3,265	2,535	2,782	60,950
1985-86	3,627	4,102	7,335	7,249	7,345	7,763	11,301	9,261	7,953	3,872	2,938	46	72,792
1986-87	3,111	4,514	7,005	6,825	8,252	7,108	8,116	8,312	8,880	3,698	2,386	2,751	70,958
1987-88	4,142	4,223	4,712	7,520	8,774	7,557	8,927	10,130	5,767	3,467	3,241	3,226	71,686
1988-89	3,830	3,948	4,011	8,655	7,164	8,195	8,899	10,582	6,315	3,892	4,022	2,599	72,112

Texas													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	68	212	124	66	2	---	---	---	---	---	472
1986-87	---	79	169	349	416	222	181	51	---	---	---	---	1,467
1987-88	---	85	279	514	389	566	281	57	6	---	2	---	2,179
1988-89	---	237	288	640	550	419	492	118	---	---	---	---	2,744

Mexico 2/													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	---	1	15	28	7	10	2	---	---	---	63
1986-87	---	12	59	92	132	112	84	113	16	3	---	---	623
1987-88	---	29	43	37	71	126	90	81	8	---	---	---	485
1988-89	---	41	11	4	12	9	15	11	---	---	---	---	103

Other countries 3/													
1984-85	11	67	71	178	229	264	136	45	39	50	---	---	1,090
1985-86	110	141	72	5	30	70	93	170	145	---	---	---	836
1986-87	2	5	7	43	116	213	58	50	53	3	---	---	550
1987-88	5	4	186	157	31	92	43	82	76	---	---	1	677
1988-89	1	10	35	36	33	12	31	56	62	41	---	---	317

Total													
1984-85	3,001	2,892	7,534	11,263	8,019	8,462	11,239	9,134	6,554	3,839	2,586	2,789	77,318
1985-86	3,761	5,206	9,939	12,244	9,368	9,495	13,555	12,029	10,272	4,564	3,172	52	93,657
1986-87	3,132	5,478	10,168	12,069	10,911	9,235	10,245	10,833	11,451	4,572	2,573	2,753	93,420
1987-88	4,154	4,871	8,065	13,308	11,344	9,992	11,178	12,916	8,205	4,303	3,386	3,242	94,964
1988-89	3,833	4,986	7,095	14,163	9,272	9,988	10,994	12,436	8,095	4,640	4,184	2,645	92,331

1/ Includes small quantity tangelos and tangerines. 2/ See page 35 for footnote. 3/ Central America, Dominican Republic, Israel, Italy, Morocco, South Africa, Spain, West Indies.

Source: See Page 45, Data Sources, Item 5.

GRAPEFRUIT: Total fresh shipments in U.S. and to Canada by states of origin
and imports to U.S., monthly for crop years 1984-85 through 1988-89

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
1,000 cartons													
Florida													
1984-85	135	2,668	3,092	3,835	3,979	2,442	3,506	3,077	1,185	72	6	4	24,001
1985-86	352	2,804	4,196	4,407	4,000	3,804	3,824	3,241	1,458	213	8	---	28,307
1986-87	172	2,674	3,105	4,228	3,679	3,381	3,290	2,725	1,490	353	9	1	25,107
1987-88	5	1,774	2,920	3,995	3,026	3,032	3,475	2,996	2,283	574	39	94	24,213
1988-89	47	1,709	2,815	3,694	2,671	3,007	3,318	2,841	1,948	635	31	2	22,718
Arizona													
1984-85	---	---	---	---	27	8	6	---	24	14	---	---	79
1985-86	---	---	---	---	---	---	17	6	48	29	---	---	100
1986-87	---	---	---	---	---	---	---	12	68	23	---	---	103
1987-88	---	---	---	---	3	---	---	8	20	61	2	---	94
1988-89	---	---	---	---	10	---	12	2	26	10	3	---	63
California													
1984-85	150	5	---	5	---	2	28	35	115	222	221	151	934
1985-86	88	4	1	---	---	7	22	45	69	229	300	11	776
1986-87	59	5	3	---	---	5	6	8	124	131	190	58	589
1987-88	96	10	---	---	---	2	3	8	8	80	196	110	513
1988-89	79	2	---	---	13	22	10	8	16	50	163	127	490
Texas													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	61	211	55	5	---	---	---	---	---	---	332
1986-87	---	100	339	569	817	751	194	43	20	---	---	---	2,833
1987-88	---	113	579	898	1,036	1,066	874	397	88	4	---	---	5,055
1988-89	---	428	1,032	1,371	1,397	1,333	1,202	133	---	---	---	---	6,896
Mexico 1/													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	1	---	---	2	1	1	1	---	---	---	---	---	6
1986-87	---	---	---	1	---	---	1	1	---	---	---	1	4
1987-88	6	---	---	1	---	---	---	---	---	---	---	---	7
1988-89	---	---	---	---	---	---	---	---	---	---	---	4	4
Other countries													
1984-85	---	46	15	33	---	---	1	---	1	---	---	---	96
1985-86	20	---	7	4	9	14	2	---	---	---	---	---	56
1986-87	2	3	---	1	49	33	9	---	---	---	---	---	97
1987-88	---	3	32	63	68	58	33	17	6	---	---	---	280
1988-89	---	4	126	24	24	18	7	2	3	4	---	---	212
Total													
1984-85	285	2,719	3,107	3,873	4,006	2,452	3,541	3,112	1,325	308	227	155	25,110
1985-86	461	2,808	4,265	4,624	4,065	3,831	3,866	3,292	1,575	471	308	11	29,577
1986-87	233	2,782	3,447	4,799	4,545	4,170	3,500	2,789	1,702	507	199	60	28,733
1987-88	107	1,900	3,531	4,957	4,133	4,158	4,385	3,426	2,405	719	237	204	30,162
1988-89	126	2,143	3,973	5,089	4,115	4,380	4,549	2,986	1,993	699	197	133	30,383

1/ See page 35 for footnote.

Source: See Page 45, Data Sources, Item 5.

TANGERINES, TANGELOS, TEMPLES AND K-EARLY: Total fresh shipments in U.S. and to Canada
by states of origin and imports to U.S.,
monthly for crop years 1984-85 through 1988-89

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
1,000 cartons													
Tangerines													
Florida													
1984-85	1	365	447	475	278	101	148	17	2	8	3	---	1,845
1985-86	6	257	455	594	387	258	266	75	19	1	---	---	2,318
1986-87	2	190	421	671	475	492	410	107	15	3	1	---	2,787
1987-88	---	180	383	729	531	559	504	208	9	---	---	---	3,103
1988-89	---	158	497	811	497	486	432	156	19	3	---	---	3,059
Arizona													
1984-85	---	---	---	1	14	11	2	---	---	---	---	---	28
1985-86	---	---	---	---	10	30	21	3	---	---	---	---	64
1986-87	---	---	---	3	12	14	5	---	---	---	---	---	34
1987-88	---	---	---	---	2	34	20	---	---	---	---	---	56
1988-89	---	---	---	2	7	10	7	---	---	---	---	---	26
Texas													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	---	1	---	---	---	---	---	---	---	---	1
1986-87	---	---	---	---	---	---	---	---	---	---	---	---	---
1987-88	---	---	---	---	---	---	---	---	---	---	---	---	---
1988-89	---	---	---	---	---	---	---	---	---	---	---	---	---
Mexico 1/													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	30	40	19	2	---	---	---	---	---	---	91
1986-87	---	64	126	197	20	12	3	---	---	---	---	---	422
1987-88	---	74	266	274	89	9	---	---	---	---	---	---	712
1988-89	---	121	224	277	62	8	---	---	---	---	---	---	692
Tangelos: Florida													
1984-85	---	176	780	1,264	511	64	22	1	---	---	---	---	2,818
1985-86	---	88	645	1,281	448	75	16	8	2	---	---	---	2,563
1986-87	---	47	549	1,195	523	112	17	5	9	1	1	---	2,459
1987-88	---	46	537	1,283	495	80	2	---	---	---	---	---	2,443
1988-89	---	15	594	1,270	425	32	1	1	---	---	---	---	2,338
Temples: Florida													
1984-85	---	---	---	47	799	215	72	12	---	---	---	---	1,145
1985-86	---	---	---	34	919	493	218	51	6	---	1	---	1,722
1986-87	---	---	---	2	888	758	238	15	12	3	1	1	1,918
1987-88	---	---	---	55	959	982	290	9	---	---	---	---	2,295
1988-89	---	---	---	55	793	498	146	5	---	---	---	---	1,497
K-Early: Florida													
1984-85	63	121	5	---	25	---	---	---	---	---	---	---	214
1985-86	---	196	17	---	---	---	---	---	---	---	---	---	213
1986-87	10	301	25	1	---	---	---	---	---	---	---	---	337
1987-88	4	317	37	---	---	---	---	---	---	---	---	---	358
1988-89	---	370	139	93	---	---	---	---	---	---	---	---	602

1/ See page 35 for footnote.

Source: See Page 45, Data Sources, Item 5.

MIXED RAIL CITRUS: Total fresh shipments in U.S. and to Canada
by states of origin monthly for crop years
1984-85 through 1988-89

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
1,000 cartons													
Florida													
1984-85	63	121	5	---	25	---	---	---	---	---	---	---	214
1985-86	---	---	---	---	---	---	---	---	79	11	2	---	92
1986-87	---	---	---	---	---	---	---	---	---	12	2	---	14
1987-88	---	12	2	---	---	---	---	---	---	---	---	---	14
1988-89	---	---	---	---	---	---	---	---	---	---	---	7	7
Arizona													
1984-85	---	---	2	4	---	2	2	---	---	---	---	---	10
1985-86	---	---	2	2	6	1	---	3	12	2	---	---	28
1986-87	---	6	18	4	22	2	3	2	16	5	2	---	80
1987-88	---	---	11	4	11	---	3	6	4	2	---	---	41
1988-89	---	---	7	7	2	---	2	2	---	2	2	---	24
California													
1984-85	28	14	14	21	37	121	154	63	49	75	58	44	678
1985-86	21	6	9	12	66	79	79	45	71	73	81	5	547
1986-87	---	---	20	15	52	83	118	98	85	76	51	5	603
1987-88	28	10	4	8	34	65	41	13	29	66	63	59	420
1988-89	30	8	3	8	18	29	62	30	24	28	61	26	327
Texas													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	---	---	---	---	---	---	---	---	---	---	---
1986-87	---	---	---	---	---	---	---	---	---	---	---	---	---
1987-88	---	---	---	---	3	---	---	---	---	---	---	---	3
1988-89	---	---	---	---	---	---	---	---	---	---	---	---	---
Total													
1984-85	91	135	21	25	62	123	156	63	49	75	58	44	902
1985-86	21	6	11	14	72	80	79	48	162	86	83	5	667
1986-87	---	6	38	19	74	85	121	100	101	93	55	5	697
1987-88	28	22	17	12	48	65	44	19	33	68	63	59	478
1988-89	30	8	10	15	20	29	64	32	24	30	63	33	358

Source: See Page 45, Data Sources, Item 5.

Footnote 2/ for page 32, 1/ for pages 33 and 34. Final Mexican shipments to the U. S. are reported by FAS as a combined total for oranges and tangerines. The totals shown on pages 32 through 34 have been broken down proportionally into oranges and tangerines from Plant Quarantine data reported at the time of the crossing. Plant Quarantine releases give separate totals for these two types of citrus. Mexican shipments through the U.S. to Canada are not included.

ORANGES, TANGELOS AND TEMPLES: Total fresh shipments exported by states of origin, monthly for crop years 1984-85 through 1988-89

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
1,000 cartons													
Oranges													
Florida													
1984-85	---	1	2	---	---	---	---	---	5	---	---	---	8
1985-86	---	---	---	---	---	4	58	105	30	---	---	---	197
1986-87	---	---	---	2	---	---	18	224	278	---	---	---	522
1987-88	---	---	8	10	---	---	20	38	57	7	---	---	140
1988-89	---	---	9	5	---	2	41	70	28	---	---	---	155
Arizona													
1984-85	---	---	1	---	---	96	305	307	15	3	---	---	727
1985-86	---	---	---	16	---	3	403	255	98	24	---	---	799
1986-87	---	7	25	13	19	79	384	383	104	1	---	---	1,015
1987-88	---	---	23	13	3	6	406	422	81	6	---	---	960
1988-89	---	---	18	15	6	---	321	236	78	13	---	---	687
California													
1984-85	861	557	911	1,131	1,434	1,464	1,462	1,574	2,771	2,564	1,498	1,553	17,780
1985-86	1,230	1,125	1,164	832	1,418	1,104	1,402	1,735	2,704	2,153	1,671	5	16,543
1986-87	680	691	1,194	855	1,289	1,499	1,213	1,409	3,331	1,960	1,798	1,060	16,979
1987-88	969	587	595	738	1,550	896	1,022	1,808	2,838	1,999	1,344	1,215	15,561
1988-89	1,068	906	637	1,115	1,582	1,192	1,542	2,113	2,409	2,053	2,051	1,411	18,079
Total 1/													
1984-85	861	558	914	1,131	1,434	1,560	1,767	1,881	2,791	2,567	1,498	1,553	18,515
1985-86	1,230	1,125	1,164	848	1,418	1,111	1,863	2,095	2,832	2,177	1,671	5	17,539
1986-87	680	698	1,219	870	1,308	1,578	1,615	2,016	3,713	1,961	1,798	1,060	18,516
1987-88	969	587	626	761	1,553	902	1,448	2,268	2,976	2,012	1,344	1,215	16,661
1988-89	1,068	906	664	1,135	1,588	1,194	1,904	2,419	2,515	2,066	2,051	1,411	18,921
Tangelos: Florida													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	---	---	---	---	---	---	---	---	---	---	---
1986-87	---	---	---	---	---	---	---	---	---	---	---	---	---
1987-88	---	---	---	---	1	---	---	---	---	---	---	---	1
1988-89	---	---	---	1	1	---	---	---	---	---	---	---	2
Temples: Florida													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	---	---	---	---	---	---	---	---	---	---	---
1986-87	---	---	---	---	---	---	---	---	---	---	---	---	---
1987-88	---	---	---	---	2	38	12	---	---	---	---	---	52
1988-89	---	---	---	---	---	---	---	---	---	---	---	---	---

1/ Includes small quantity from Texas.

Source: See Page 45, Data Sources, Item 5.

GRAPEFRUIT AND TANGERINES: Total fresh shipments exported by states of origin, monthly for crop years 1984-85 through 1988-89

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
1,000 cartons													
Grapefruit													
Florida													
1984-85	5	789	727	797	1,049	651	873	517	88	---	---	---	5,496
1985-86	63	1,675	780	762	1,900	1,551	2,369	1,770	199	---	---	---	11,069
1986-87	8	1,520	1,497	923	2,073	3,117	3,085	2,588	508	33	---	---	15,352
1987-88	---	1,180	1,560	1,478	2,924	3,479	4,052	3,943	1,582	7	---	---	20,205
1988-89	14	994	1,868	1,544	3,198	4,134	4,728	4,442	2,197	123	---	1	23,243
Arizona													
1984-85	---	---	---	---	3	---	3	---	13	8	---	---	27
1985-86	---	---	5	---	5	---	---	---	8	---	2	---	20
1986-87	---	---	---	---	3	---	5	---	5	---	---	---	13
1987-88	---	---	---	---	---	---	---	---	3	5	---	---	8
1988-89	---	---	---	---	---	---	---	---	3	3	---	---	6
California													
1984-85	34	---	---	---	---	---	5	3	18	18	19	18	115
1985-86	3	---	3	---	---	3	---	---	8	30	40	---	87
1986-87	---	---	---	---	3	---	---	---	---	3	---	---	6
1987-88	3	---	---	---	---	---	---	---	3	---	8	---	14
1988-89	---	---	---	---	---	---	---	---	---	---	5	---	5
Texas													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	---	1	---	---	---	---	---	---	---	---	1
1986-87	---	---	2	---	---	---	---	---	---	---	---	---	2
1987-88	---	9	84	6	26	53	7	---	---	---	---	---	185
1988-89	---	26	67	65	48	79	11	1	---	---	---	---	297
Total													
1984-85	39	789	727	797	1,052	651	881	520	119	26	19	18	5,638
1985-86	66	1,675	788	763	1,905	1,554	2,369	1,770	215	30	42	---	11,177
1986-87	8	1,520	1,499	923	2,079	3,117	3,090	2,588	513	36	---	---	15,373
1987-88	3	1,189	1,644	1,484	2,950	3,532	4,059	3,943	1,588	12	8	---	20,412
1988-89	14	1,020	1,935	1,609	3,246	4,213	4,739	4,443	2,200	126	5	1	23,551
Tangerines: Florida													
1984-85	---	---	---	---	---	---	---	---	---	---	---	---	---
1985-86	---	---	---	---	---	2	2	---	---	---	---	---	4
1986-87	---	---	---	---	---	---	---	---	---	---	---	---	---
1987-88	---	---	---	---	---	2	9	1	---	---	---	---	12
1988-89	---	---	2	---	3	7	13	6	1	---	---	---	32

Source: See Page 45, Data Sources, Item 5.

CITRUS: U.S. fresh exports, by months, 1988-89

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1,000 cartons													
Oranges 1/													
Japan	91	156	259	304	270	718	537	1,206	1,225	687	408	125	5,986
Hong Kong	284	286	208	480	464	501	534	587	372	441	472	385	5,014
Canada	224	390	446	383	486	647	555	436	328	195	226	214	4,530
Singapore	30	30	38	84	68	110	99	96	92	85	78	44	854
Malaysia	2	2	30	84	49	70	73	67	45	31	31	9	493
Australia	--	38	85	80	72	24	3	--	--	--	--	--	302
New Zealand	--	1	22	19	53	45	101	16	--	--	--	--	257
Taiwan	--	--	--	--	--	3	31	33	27	31	45	10	180
Netherlands	--	--	1	3	25	21	9	25	13	2	3	1	103
Philippines	2	--	2	5	13	9	12	4	6	17	14	4	88
Mexico	2	2	2	1	1	1	1	5	9	6	16	7	53
Others	10	6	4	11	48	20	12	16	20	9	12	7	175
Total	645	911	1,097	1,454	1,549	2,169	1,967	2,491	2,137	1,504	1,305	806	18,035
Grapefruit													
Japan	173	743	607	1,529	2,047	2,097	3,415	1,873	625	648	405	128	14,290
France	272	362	172	422	584	533	502	380	65	27	22	137	3,478
Netherlands	290	344	201	301	215	216	215	193	68	65	126	79	2,313
Taiwan	2	13	19	53	344	248	413	557	69	15	10	2	1,745
Canada	128	197	191	112	144	152	144	142	111	64	43	84	1,512
United Kingdom	51	84	38	58	106	123	109	107	34	10	28	21	769
Belgium-													
Luxembourg	26	79	147	47	225	98	67	45	3	2	2	17	758
South Korea	2	24	40	42	38	76	200	132	85	5	1	1	646
West Germany	30	40	36	71	71	61	23	9	4	--	1	1	347
Italy	28	79	40	32	19	5	15	--	--	--	--	3	221
Sweden	10	6	14	17	5	18	7	14	15	1	2	3	112
Switzerland	5	5	22	3	25	4	10	15	7	--	--	5	101
Hong Kong	11	13	9	13	9	4	5	6	3	8	3	3	87
Others	8	18	16	18	28	12	14	7	3	3	3	5	135
Total	1,036	2,007	1,552	2,718	3,860	3,647	5,139	3,480	1,092	848	646	489	26,514
Tangerines													
Canada	27	137	69	31	33	34	22	10	2	25	16	43	449
Netherlands	--	--	--	1	10	34	--	--	--	--	--	--	45
France	--	--	--	1	4	12	--	--	--	--	--	--	17
Belgium-													
Luxembourg	--	--	--	2	5	6	1	--	--	--	--	--	14
United Kingdom	--	--	--	--	6	2	--	--	--	--	--	--	8
Sweden	--	--	--	--	4	3	--	--	--	--	--	--	7
Australia	--	--	--	2	4	--	--	--	--	--	--	--	6
Others	--	4	1	--	3	1	2	1	--	--	--	--	12
Total	27	141	70	37	69	92	25	11	2	25	16	43	558

1/ Does not include Temples. Source: See Page 45, Data Sources, Item 6.

FLORIDA CITRUS: Certified citrus exports, crop years 1981-82 through 1988-89 1/

Crop year	Oranges			Grapefruit			Specialty fruit			Grand total
	Commer- cial	Govern- ment	Total	Commer- cial	Govern- ment	Total	Commer- cial	Govern- ment	Total	
1,000 cartons										
1981-82	167	11	178	9,922	12	9,934	32	--	32	10,144
1982-83	286	15	301	9,515	8	9,523	69	--	69	9,893
1983-84	26	16	42	9,938	14	9,952	44	--	44	10,038
1984-85	8	2	10	5,658	6	5,664	--	--	--	5,674
1985-86	202	--	202	11,078	--	11,078	4	--	4	11,284
1986-87	382	--	382	15,479	3	15,482	--	--	--	15,864
1987-88	139	--	139	20,663	13	20,676	76	--	76	20,891
1988-89	154	--	154	23,566	1	23,567	31	--	31	23,752

1/ Shipments certified in Florida for export to foreign countries other than Canada and Mexico. Source: See Page 45, Data Sources, Item 7.

FLORIDA CITRUS: Certified citrus exports by weeks, crop year 1988-89 1/

Week ended	Oranges			Grapefruit			Specialty fruit		
	Com- mercial	Gov- ern-	Total	Com- mercial	Gov- ern-	Total	Com- mercial	Gov- ern-	Total
1,000 cartons									
Sep 4	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---
Oct 2	---	---	---	16	---	16	---	---	---
9	---	---	---	55	---	55	---	---	---
16	---	---	---	183	---	183	---	---	---
23	---	---	---	257	---	257	---	---	---
30	---	---	---	427	---	427	---	---	---
Nov 6	1	---	1	503	---	503	---	---	---
13	1	---	1	654	---	654	1	---	1
20	1	---	1	532	---	532	---	---	---
27	2	---	2	235	---	235	1	---	1
Dec 4	1	---	1	182	---	182	---	---	---
11	1	---	1	171	---	171	---	---	---
18	1	---	1	410	---	410	1	---	1
25	---	---	---	441	---	441	---	---	---
Jan 1	---	---	---	434	---	434	---	---	---
8	1	---	1	543	1	544	---	---	---
15	---	---	---	748	---	748	2	---	2
22	---	---	---	813	---	813	---	---	---
29	---	---	---	816	---	816	1	---	1
Feb 5	---	---	---	924	---	924	2	---	2
12	---	---	---	1,235	---	1,235	---	---	---
19	---	---	---	1,144	---	1,144	2	---	2
26	1	---	1	849	---	849	2	---	2
Mar 5	2	---	2	989	---	989	3	---	3
12	5	---	5	792	---	792	3	---	3
19	9	---	9	977	---	977	2	---	2
26	10	---	10	1,176	---	1,176	2	---	2
Apr 2	18	---	18	1,231	---	1,231	2	---	2
9	19	---	19	1,123	---	1,123	2	---	2
16	24	---	24	1,194	---	1,194	3	---	3
23	16	---	16	1,055	---	1,055	1	---	1
30	13	---	13	1,063	---	1,063	---	---	---
May 7	11	---	11	742	---	742	1	---	1
14	9	---	9	774	---	774	---	---	---
21	7	---	7	443	---	443	---	---	---
28	1	---	1	241	---	241	---	---	---
Jun 4	---	---	---	160	---	160	---	---	---
11	---	---	---	34	---	34	---	---	---
18	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---
Jul total	---	---	---	---	---	---	---	---	---
Aug total	---	---	---	---	---	---	---	---	---
Total	154	---	154	23,566	1	23,567	31	---	31

1/ Shipments certified in Florida for export to foreign countries other than Canada and Mexico.

Source: See Page 45, Data Sources, Item 7.

CITRUS: Per capita consumption, fresh weight equivalent,
United States, 1973 through 1988

Year	Citrus fruit consumed in fresh form							All citrus	Total citrus
	Oranges 1/	fruit	Tan-gerines	Tan-gelos	Lemons	Limes	fresh		
Pounds									
1973	14.5	8.5	1.7	.6	1.9	.2	27.4	75.1	102.5
1974	14.4	8.2	1.9	.7	2.0	.2	27.4	79.0	106.4
1975	15.9	8.3	2.0	1.0	2.0	.2	29.4	89.3	118.7
1976	14.7	9.2	2.0	.9	1.9	.3	29.0	88.1	117.1
1977	13.5	7.7	1.8	.9	2.1	.3	26.3	88.8	115.1
1978	13.5	8.3	1.6	.8	2.1	.3	26.6	80.9	107.5
1979	12.6	7.6	1.6	.7	2.0	.2	24.7	83.6	108.3
1980	15.8	8.0	2.0	.7	2.0	.4	28.9	83.6	112.5
1981	13.6	6.9	1.3	.8	2.0	.4	25.0	79.4	104.4
1982	12.7	7.5	1.3	.7	2.1	.4	24.7	84.6	109.3
1983	16.1	8.1	1.4	.7	2.4	.6	29.3	90.7	120.0
1984	12.8	6.3	1.4	.6	2.3	.6	24.0	78.8	102.8
1985	12.4	5.7	1.7	.5	2.4	.7	23.4	85.7	109.1
1986	15.3	6.5	1.1	.5	2.6	.7	26.7	90.6	117.3
1987	14.8	6.6	1.2	.5	2.6	.7	26.4	86.4	112.8
1988	15.0	6.7	1.2	.5	2.5	.6	26.5	87.1	113.6

1/ Includes Temples.

Source: See Page 45, Data Sources, Item 10.

CITRUS: Florida fresh exports, 1987-88 and 1988-89 crop years

Country	Grapefruit		Oranges 1/		Tangerines		Total	
	1987-88:	1988-89:	1987-88:	1988-89:	1987-88:	1988-89:	1987-88:	1988-89:
1,000 cartons								
Japan	10,942	12,041	26	60	---	1	10,968	12,102
France	3,287	3,375	1	1	1	---	3,289	3,376
Taiwan	1,061	2,013	32	29	1	---	1,094	2,042
Holland	1,424	1,883	67	43	1	---	1,492	1,926
Belgium	1,508	1,440	3	---	---	---	1,511	1,440
West Germany	996	865	3	---	1	---	1,000	865
England	664	718	38	2	---	---	702	720
South Korea	158	609	---	---	---	---	158	609
Italy	366	317	---	---	---	---	366	317
Sweden	103	98	3	---	---	---	106	98
Switzerland	63	93	---	---	---	---	63	93
Puerto Rico	4	5	19	14	9	29	32	48
Hong Kong	55	48	2	---	---	---	57	48
United Kingdom	6	31	---	---	---	---	6	31
Singapore	13	17	3	3	---	---	16	20
North Ireland	3	8	---	---	---	---	3	8
Virgin Islands	1	1	4	2	1	1	6	4
Finland	7	3	---	---	---	---	7	3
Great Britain	---	2	---	---	---	---	---	2
Bulgaria	4	---	---	---	---	---	4	---
Ivory Coast	2	---	---	---	---	---	2	---
Indonesia	2	---	---	---	---	---	2	---
Iceland	2	---	---	---	---	---	2	---
French Guiana	1	---	---	---	---	---	1	---
Ireland	1	---	---	---	---	---	1	---
Tanzania	1	---	---	---	---	---	1	---
Ecuador	1	---	---	---	---	---	1	---
Bahama Islands	1	---	---	---	---	---	1	---
Total	20,676	23,567	201	154	14	31	20,891	23,752

1/Includes Temples in 1987-88.

Source: See Page 45, Data Sources, Item 7.

FLORIDA CITRUS: Boxes of fruit processed by weeks, crop years 1987-88 and 1988-89

Week ended	Oranges		Grapefruit		Temples	
	1987-88	1988-89	1987-88	1988-89	1987-88	1988-89
1,000 boxes						
Sep 4	---	---	---	---	---	---
11	---	---	---	---	---	---
18	---	---	---	---	---	---
25	---	---	---	---	---	---
Oct 2	1	---	2	5	---	---
9	3	3	7	36	---	---
16	5	18	42	130	---	---
23	19	51	122	137	---	---
30	73	88	204	233	---	---
Nov 6	106	146	204	259	---	---
13	165	255	232	294	---	---
20	310	668	269	309	---	---
27	240	597	182	212	---	---
Dec 4	1,436	2,814	376	406	---	---
11	2,932	4,623	435	541	---	---
18	5,159	5,523	623	644	---	---
25	2,853	4,496	293	537	---	3
Jan 1	5,820	6,145	570	530	10	11
8	6,002	6,726	735	534	27	37
15	6,612	7,546	787	690	50	64
22	6,559	7,254	811	704	57	65
29	6,732	7,218	888	711	83	69
Feb 5	6,163	7,261	1,457	869	121	114
12	5,753	6,173	1,382	1,257	185	255
19	5,814	5,227	1,467	1,652	320	266
26	4,524	3,611	1,878	2,066	420	320
Mar 5	3,227	2,326	2,307	2,551	421	369
12	1,499	1,310	2,901	2,274	326	480
19	913	1,866	3,006	2,790	130	357
26	1,031	1,948	2,667	2,144	62	172
Apr 2	1,214	2,444	1,653	2,004	17	121
9	2,180	3,348	1,225	1,468	12	92
16	4,085	4,612	955	1,103	2	59
23	5,161	5,366	844	800	2	18
30	5,496	5,632	606	681	5	4
May 7	6,029	5,741	492	527	2	1
14	5,816	5,489	391	462	1	---
21	5,794	5,103	279	377	---	2
28	4,516	4,742	200	284	---	---
Jun 4	4,402	3,990	83	202	1	1
11	3,487	3,430	51	185	---	---
18	3,217	2,441	27	92	1	1
25	1,856	1,223	14	63	---	---
Jul 2	847	496	18	40	---	---
9	180	73	3	3	1	---
16	77	12	3	5	---	---
31	75	31	6	5	1	1
Aug total	92	78	43	45	1	---
Total	128,480	138,144	30,740	30,861	2,258	2,882

Source: See Page 45, Data Sources, Item 7.

(Continued)

FLORIDA CITRUS: Boxes of fruit processed by weeks,
crop years 1987-88 and 1988-89 (Continued)

Week ended	Tangelos		Tangerines 1/		Honey Tangerines		K-Early	
	1987-88	1988-89	1987-88	1988-89	1987-88	1988-89	1987-88	1988-89
Sep 4	---	---	---	1,000	---	---	---	---
11	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---
Oct 2	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	8	1
16	1	3	1	---	---	---	11	12
23	7	2	9	7	---	---	16	18
30	14	6	19	24	---	---	8	15
Nov 6	16	17	13	28	---	---	4	8
13	38	46	15	27	---	---	2	10
20	86	126	21	23	---	---	4	4
27	59	60	15	9	---	---	1	---
Dec 4	127	139	33	39	---	---	1	---
11	192	214	53	65	---	4	---	---
18	228	212	60	65	---	6	---	1
25	131	140	15	37	---	---	---	---
Jan 1	265	187	36	35	---	7	1	---
8	327	266	46	44	2	32	---	---
15	351	274	36	46	5	46	---	---
22	338	267	33	43	29	40	---	---
29	235	209	18	29	36	50	---	---
Feb 5	179	143	15	16	31	61	---	---
12	111	62	13	6	30	66	---	---
19	56	38	8	1	37	65	---	---
26	27	21	12	1	40	45	---	---
Mar 5	6	10	---	1	31	72	---	---
12	7	4	1	2	34	45	---	---
19	1	4	---	1	25	42	---	---
26	2	1	---	1	21	39	---	---
Apr 2	---	1	---	1	11	21	---	---
9	1	---	---	1	9	20	---	---
16	---	---	---	---	8	22	---	---
23	---	---	---	---	3	10	---	---
30	---	---	---	---	2	7	---	---
May 7	---	---	---	---	5	4	---	---
14	---	---	---	---	4	2	---	---
21	---	---	---	---	---	---	---	---
28	---	---	---	---	---	3	---	---
Jun 4	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---
18	---	---	---	---	---	1	---	---
25	---	---	---	---	---	---	---	---
Jul 2	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---
31	---	---	---	---	1	---	---	---
Aug total	---	---	---	---	---	---	---	---
Total	2,805	2,452	472	552	364	710	56	69

1/ Robinson and Dancy varieties.

Source: See Page 45, Data Sources, Item 7.

FLORIDA CITRUS: Distribution of recorded utilization, by types,
by months, crop years 1984-85 through 1988-89

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Percent													
Fresh orange shipments													
1984-85	---	---	25	29	12	6	8	8	9	3	---	---	100
1985-86	---	---	19	25	10	9	11	11	9	6	---	---	100
1986-87	---	---	13	25	11	5	13	11	11	6	---	---	100
1987-88	---	---	18	26	11	7	12	11	11	4	---	---	100
1988-89	---	---	22	28	9	5	13	11	9	3	---	---	100
Processed orange usage													
1984-85	---	---	2	10	25	25	10	12	13	3	---	---	100
1985-86	---	---	2	12	24	15	7	16	18	6	---	---	100
1986-87	---	---	2	15	23	14	3	17	19	7	---	---	100
1987-88	---	---	---	14	21	18	6	13	18	10	---	---	100
1988-89	---	---	2	16	23	15	6	14	17	7	---	---	100
Fresh grapefruit shipments													
1984-85	---	12	14	15	18	11	15	11	4	---	---	---	100
1985-86	---	13	11	12	16	14	16	14	4	---	---	---	100
1986-87	---	10	11	12	14	16	17	15	5	---	---	---	100
1987-88	---	7	11	12	14	14	17	16	9	---	---	---	100
1988-89	---	4	12	11	13	16	17	16	11	---	---	---	100
Processed grapefruit usage													
1984-85	---	2	5	8	12	25	33	12	3	---	---	---	100
1985-86	---	4	8	12	15	23	26	11	1	---	---	---	100
1986-87	---	3	6	13	17	26	26	8	1	---	---	---	100
1987-88	---	---	4	7	11	21	38	14	5	---	---	---	100
1988-89	---	1	5	8	10	21	34	14	7	---	---	---	100
Fresh tangerine shipments													
1984-85	---	14	17	21	22	16	10	---	---	---	---	---	100
1985-86	---	12	19	24	18	11	12	4	---	---	---	---	100
1986-87	---	7	15	22	17	18	16	5	---	---	---	---	100
1987-88	---	7	12	23	18	19	17	4	---	---	---	---	100
1988-89	---	6	15	24	17	16	15	7	---	---	---	---	100
Fresh tangelo shipments													
1984-85	---	6	27	45	18	4	---	---	---	---	---	---	100
1985-86	---	4	25	48	19	4	---	---	---	---	---	---	100
1986-87	---	---	23	46	24	7	---	---	---	---	---	---	100
1987-88	---	---	25	51	21	3	---	---	---	---	---	---	100
1988-89	---	---	28	53	18	1	---	---	---	---	---	---	100
Fresh Temple shipments													
1984-85	---	---	---	---	71	21	8	---	---	---	---	---	100
1985-86	---	---	---	---	54	29	13	4	---	---	---	---	100
1986-87	---	---	---	---	46	37	15	2	---	---	---	---	100
1987-88	---	---	---	---	44	43	13	---	---	---	---	---	100
1988-89	---	---	---	---	57	33	10	---	---	---	---	---	100

CITRUS FRUIT: Production, by selected countries, principal types,
crop years 1984-85 through 1988-89

Country	Crop years				
	1984-85	1985-86	1986-87	1987-88	1988-89 1/
1,000 metric tons 2/					
Oranges 3/					
Brazil	11,715	11,015	10,975	10,500	12,150
United States	6,241	6,912	7,121	7,896	8,191
Mexico	1,000	1,410	1,683	1,942	2,268
Spain	1,365	1,942	2,059	2,442	2,225
Italy	1,960	2,257	2,424	1,400	2,020
Egypt	1,182	1,168	1,235	1,387	1,390
Morocco	686	841	650	913	890
Greece	775	554	881	462	780
Turkey	760	505	750	700	750
South Africa 4/	486	497	625	684	680
Israel	941	685	815	627	550
Argentina	653	623	630	600	540
Cuba	408	390	500	520	540
Australia	489	494	475	450	504
Cyprus	155	156	204	138	167
Gaza	140	142	151	83	125
Total	28,956	29,591	31,178	30,744	33,770
Grapefruit					
United States	2,046	2,122	2,330	2,523	2,602
Israel	375	371	392	317	373
Cuba	155	237	250	284	300
Argentina	157	178	165	160	145
South Africa 4/	102	99	121	140	138
Total	2,835	3,007	3,258	3,424	3,558
Lemons					
United States	889	632	986	712	751
Italy	744	800	813	660	750
Spain	325	482	613	760	679
Argentina	360	450	460	400	290
Turkey	240	180	250	220	280
Total	2,558	2,544	3,122	2,752	2,750
Tangerines					
Japan 5/	2,344	2,870	2,542	2,941	2,390
Spain	947	1,050	1,164	1,307	1,120
Italy	360	500	531	336	510
Brazil 6/	668	486	479	453	460
Morocco 7/	244	347	290	300	390
United States 8/	273	290	363	364	356
Turkey	219	257	300	280	320
Argentina	241	243	260	250	240
Mexico	67	123	131	151	157
Israel	99	123	158	122	140
Egypt	104	106	117	134	120
Total	5,566	6,395	6,335	6,638	6,203

1/ Forecast. 2/ One metric ton is equivalent to 2,204.6 pounds. 3/ Includes tangerines and Temples in some countries. 4/ Includes some fruit produced in Swaziland, Botswana, and Mozambique which is marketed through the South African Citrus Board. 5/ Mainly satsumas but also including mandarin hybrids. 6/ State of Sao Paulo only, which apparently accounts for over one-half of Brazil's production. About 120,000 tons of tangerines which are processed are included in the orange table. 7/ Clementines only. 8/ Includes tangelos, which account for about half of the total production.

Source: See Page 45, Data Sources, Item 6.

DATA SOURCES

All data in this summary are official statistics of United States Department of Agriculture issued by the National Agricultural Statistics Service, except when another source is shown.

1. United States Department of Commerce
Federal-State Agricultural Weather Service
1408 24th Street, S. E.
Ruskin, Florida 33570
2. Hume, H. Harold, The Cultivation of Citrus Fruits
(New York: The Macmillan Co., 1926) - Data for
1886-87 through 1908-09
3. Florida Citrus Processors Association
P. O. Box 780
Winter Haven, Florida 33880
4. Arizona Agricultural Statistics Service
201 East Indianola, Suite 250
Phoenix, Arizona 85012

California Agricultural Statistics Service
P. O. Box 1258
Sacramento, California 95812

Texas Agricultural Statistics Service
P. O. Box 70
Austin, Texas 78767
5. United States Department of Agriculture
Agricultural Marketing Service
Washington, D. C. 20250
6. United States Department of Agriculture
Foreign Agricultural Service
Washington, D. C. 20250
7. Florida Department of Agriculture and Consumer Services
Division of Fruit and Vegetable Inspection
P. O. Box 1072
Winter Haven, Florida 33880
8. Citrus Administrative Committee
P. O. Box R
Lakeland, Florida 33802
9. Florida Citrus Mutual
P. O. Box 89
Lakeland, Florida 33802
10. United States Department of Agriculture
Economic Research Service
Washington, D. C. 20250