

FLORIDA AGRICULTURAL STATISTICS

CITRUS SUMMARY 1997-98

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AND CONSUMER SERVICES
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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 and corresponding data for other citrus states are official estimates 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 Vegetables, 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 Jeffrey K. Geuder, Robert R. Terry, Candice T. Erick, and Rhonda L. Johnson of the Florida Agricultural Statistics Service.

Published January 1999

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FLORIDA CITRUS HARVESTING SEASON

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Navel Orange										
Ambersweet Orange										
Hamlin Orange										
Pineapple Orange										
Valencia Orange										
White Seedless Grapefruit										
Colored Seedless Grapefruit										
Seedy Grapefruit										
Temple										
K-Early Citrus										
Nova Tangelo										
Orlando Tangelo										
Minneola Tangelo										
Robinson Tangerine										
Fallglo Tangerine										
Sunburst Tangerine										
Dancy Tangerine										
Honey Tangerine										

1997-98 SEASON HIGHLIGHTS

PRODUCTION

Production of Florida citrus totaled 304.5 million boxes and exceeded the previous season's record by 3.1 percent. Small gains were noted for limes and honey tangerines while the grapefruit varieties and other specialty types had smaller crops. This unsurpassed crop is the result of record harvests of early-midseason and Valencia oranges and accounts for 75 percent of the record U.S. citrus production. California produced 22 percent of the total with Texas and Arizona contributing the remaining three percent.

The Navel orange crop was second only to last season. Grown primarily for the fresh market, it accounted for 54 percent of the early-midseason fresh use. Regarding the newer tangerines, Sunburst production was down for the first time after steady increases in the eight year series and Fallglo production increased for the third time in the four year series.

Decreased bearing acreage of oranges was coupled with increased yields. Grapefruit bearing acreage was down with only the colored variety having a higher yield per acre. Of the early tangerine varieties, only Fallglo had a gain in bearing acreage. Increases in bearing acreage and yield for honey tangerines were not enough to offset decreases for early tangerines and resulted in decreases at the all tangerine level. Tangelos and K-Early Citrus had fewer bearing acres and greatly reduced yields. Temple bearing acreage was down with the yield up slightly. Bearing acreage of limes increased significantly with an improved yield. A gain in lemon bearing acreage was over-shadowed by a drastically lower yield.

The Florida Citrus Processors Association reported the final FCOJ all orange yield at 1.577308 gallons of concentrate per box, second only to the 1.578932 in 1992-93. Early-midseason oranges were final at 1.492548. The record of 1.524795 occurred in 1992-93. At 1.715249 gallons of concentrate per box, the late (Valencia) oranges reached a new level, surpassing the record of 1.696079 in 1991-92.

California orange production, up 16 percent, reflected higher yields per acre. Grapefruit production was up 10 percent. Total citrus production was 10 percent higher than the previous season and 20 percent higher than in 1995-96.

Texas had increased bearing acreage with oranges up nine percent and grapefruit up 13. Production for each orange variety was higher this season and the total was the highest since 1988-89. Grapefruit production was down nine percent but ties 1988-89 for second highest in the last 10 seasons.

Arizona's bearing acreage was unchanged from 1996-97. Orange and lemon production was equal to the previous season. Grapefruit production was down 11 percent while the tangerine crop was up nine percent.

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

States	Oranges	Grapefruit	Tangerines	Lemons	Limes
FL	90 ^{1/}	85	95	90	88
CA	75	67	75	76	--
TX	85	80	--	--	--
AZ	75	67	75	76	--

^{1/} Includes Temples and tangelos at 90 pounds.

VALUE

Preliminary on-tree value of the 1997-98 citrus crop is \$974.5 million or 1.5 percent more than the previous season. The 1996-97 preliminary value had been \$1.0 billion but was revised to \$960.5 million. Although additional revisions to the 1995-96 crop lowered the value, the rounded value remains \$1.1 billion.

Preliminary value is based on that part of the crop priced at harvest, which accounts for all of the fresh fruit and about 40 percent of the processed. Nearly one-half of the processed oranges were priced but the figure for processed grapefruit and tangerines is about one-quarter of the total.

Although the price per box for early-midseason oranges was the lowest since 1976-77 and the price of Navel oranges was the lowest in series dating to 1981-82, Valencias were up 26 percent. Coupled with record production, the value of the Valencia crop was up 43 percent and all orange value was up 10 percent.

Preliminary prices and values for the grapefruit types have fallen over 50 percent. While the price per box for both white (52¢) and colored (86¢) are the lowest in 35 years, seedy grapefruit (-30¢) had a negative return for the first time in a series dating back to 1954-55.

Price per box and value were down for Temples, K-Early Citrus, tangelos, limes, and lemons. Early tangerines had a higher price with a lower value but the situation was reversed for the honey tangerines.

The season average delivered-in price of fruit going into FCOJ reported by the Florida Citrus Processors Association was \$5.34 per box or 84¢ per pound of solids. Early-midseasons averaged \$4.21 per box or 79¢ per pound of solids, and late (Valencia) oranges averaged \$7.09 per box or \$1.03 per pound. Prices for fruit used in FCGJ averaged 90¢ per box or 21¢ per pound for white seedless and \$1.18 per box or 26¢ per pound of solids for colored seedless grapefruit. Frozen concentrated tangerine juice averaged \$4.11 per box.

FLORIDA, ALL CITRUS: Value of sales on-tree, crop years 1988-89 through 1997-98

Crop year	Value 1,000 dol.	Crop Year	Value 1,000 dol.
1988-89	1,429,808	1993-94	939,854
1989-90	952,303	1994-95	948,173
1990-91	1,236,126	1995-96 ^{1/}	1,075,817
1991-92	1,208,944	1996-97 ^{1/}	960,496
1992-93	855,812	1997-98 ^{2/}	974,469

^{1/} Revised. ^{2/} Preliminary.

FOREIGN EXPORTS

Fresh fruit exports totaled 23.8 million 4/5 bushel cartons, down almost 15 percent from last season. Canada accounts for the most receipts of Florida oranges and specialty fruit while Japan receives the most grapefruit.

A total of 21.0 million gallons of FCOJ were exported, mostly to Canada. There were also 4.4 million gallons of FCGJ exported.

1997-98 FLORIDA WEATHER HIGHLIGHTS, SELECTED AREAS, AND MONTHS

Mild nights, warm days, and very little rain characterized the weather for the first of 1997. A mild freeze January 18-19 with frost and low temperatures in the 20's defoliated some young trees in the southwestern part of the citrus belt. Generally, warm temperatures followed the mid-January cold, which provided resting conditions for most trees until early March when the year's bloom cycle started. Rain the middle of March provided ideal conditions for full open bloom. Warm temperatures brought a rapid conclusion to the bloom cycle by the end of the month.

Rain during April and early May provided near ideal conditions for setting the new crop of fruit. During the hot and humid days of late May and early June growers were irrigating to maintain good tree and new crop fruit condition. The abundant summer rains produced a lot of new foliage and assisted the new crop fruit. Normal rainfall during the hot summer provided the tropical conditions for the 1997-98 crop. Fruit generally sized well and there was minimal loss from droppage.

Harvesting started with a few fresh fruit packinghouses moving Navels, Ambersweet, early tangerines, and both white and colored seedless grapefruit. Frequent rains during September limited picking for fresh shipments in most of the citrus belt but contributed to the very good condition of most trees and new crop fruit. The weather was dry during most of October which limited new growth. Growers and caretakers were irrigating to maintain good tree and fruit condition.

November was a wet month with near record rainfall in some coastal and southern citrus growing counties. The wet conditions slowed harvesting for fresh use. An early cold front moved through the citrus belt the second week of December with temperatures in the upper thirties. This cold weather virtually stopped new growth for the winter.

Most of January 1998 was mild and cool with weekly scattered rains providing adequate moisture. Trees generally remained quasi-dormant with only a few groves in the southern region showing new growth. Below normal temperatures the first of February slowed new growth and retarded bloom bud formation. By the end of February and the first of March, there were more frequent rains and warmer days which generated more new growth and an abundance of bloom buds.

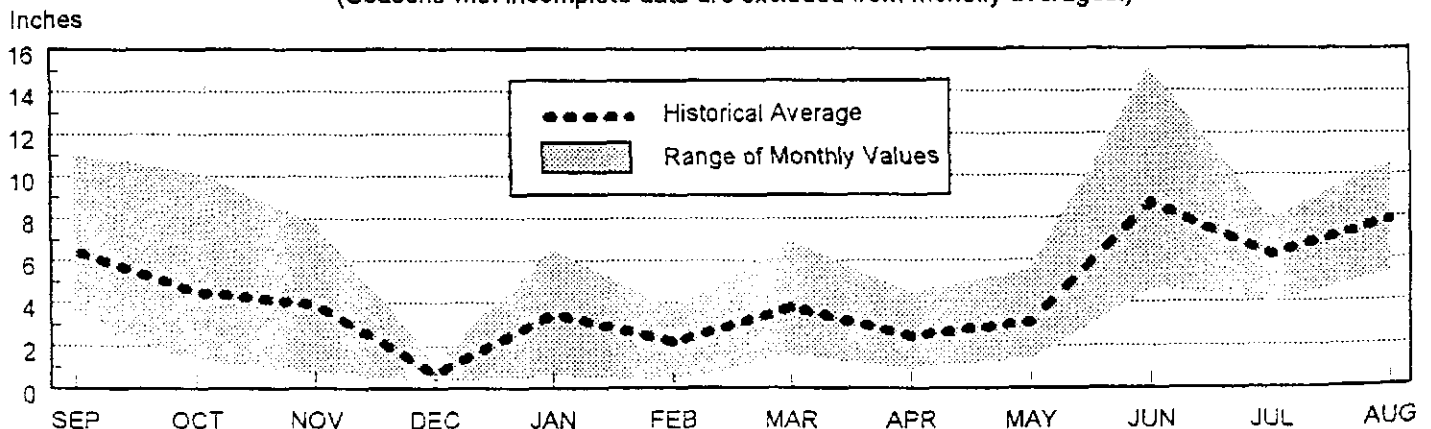
Near record low temperatures occurred March 11 and 13. Temperatures were not low enough for long enough to cause damage to citrus. Warm temperatures following the cold snap in mid-March caused most trees to reach full open bloom by the end of the month. Growing conditions improved around the first of April; however, by the end of the month it had turned very dry and hot.

Most of May and June were very dry and extremely hot. There were only a few scattered showers during the month and caretakers were irrigating around the clock to prevent wilt. It was record hot and dry until the second week of July when the normal summer rains started.

Most of July and August were wet with warm temperatures providing good growing conditions. Groves in low areas had some standing water due to daily rain accumulations. New crop fruit for the following season was maturing more slowly than normal due to the very hot and dry late spring and early summer.

Charted below is the historical average of monthly rainfall which includes data from two stations in each of the citrus producing areas. The ten stations are: Arcadia, Avon Park, Clermont, Clewiston (AG), Immokalee, Lake Alfred Experiment Station, Orlando International Airport, Plant City, Stuart, and Vero Beach (4 W).

FLORIDA PRECIPITATION: Average monthly rainfall, 1987-88 through 1996-97
(Seasons with incomplete data are excluded from monthly averages.)



PRICES

All prices reported in this publication are on-tree prices representing the average price received by growers for their fruit. The term "on-tree" relates to fruit returns to the grower after the costs of picking, hauling, and packing have been removed. Prices are based on records of commercial fresh fruit sales and processed fruit returns.

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. These preliminary figures for the season just ended, the revised figures for the previous season, and county production by type are released annually in late September.

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 is obtained from several objective fruit surveys including limb count, size, and droppage. Because of the statistical sampling design, counties with higher production in general have a greater number of 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 the individual counties.

TREE CENSUS

The Florida Agricultural Statistics Service first indexed 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 design of the inventory survey allows for quick and economical updating. Since 1966, the citrus belt has been resurveyed each second winter 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 are obtained at a 1 to 30,000 scale.

The last statewide survey was conducted as of January 1998. New plantings since the previous census, the least since 1978, did not offset the gross loss. Through 1997, all types of citrus planted totaled 845,260 acres, down 1.4 percent from the 1996 census. Acreage declined in 20 of the 33 citrus counties. Each of the five producing areas had a decrease in acreage but the Gulf Citrus area showed a slight gain. Tree numbers are at a record level for the third consecutive census. New plantings have remained steady with 11 percent of the 107.1 million trees classified as non-bearing.

Photographing for the next survey will begin in November 1999, and field work will update the acreage records as of January 2000.

FLORIDA, ALL CITRUS: Acres in commercial groves as of January 1968-1998, with percent changes

Year	Acres	Percent change from	
		Previous survey	1966 survey
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
1990	732,767	+5.0	-14.6
1992	791,290	+8.0	-7.8
1994	853,742	+7.9	-0.5
1996	857,687	+0.5	-0.0
1998	845,260	-1.4	-1.5

FLORIDA CITRUS: Production of all citrus since 1898-99

Crop year	Type of fruit				Crop year	Type of fruit			
	Oranges	Grape-fruit	Other	Total		Oranges	Grape-fruit	Other	Total
	1,000 boxes					1,000 boxes			
1898-99	---	---	---	252	1948-49	57,380	30,200	5,520	93,100
1899-00	---	---	---	274	1949-50	57,790	24,200	5,970	87,960
1900-01	---	---	---	353	1950-51	66,200	33,200	5,980	105,380
1901-02	---	---	---	974	1951-52	76,900	33,000	6,060	115,960
1902-03	---	---	---	1,147	1952-53	70,500	32,500	6,920	109,920
1903-04	---	---	---	1,955	1953-54	89,100	40,700	7,070	136,870
1904-05	---	---	---	2,961	1954-55	85,900	34,800	7,998	128,698
1905-06	---	---	---	3,794	1955-56	88,200	38,300	7,935	134,435
1906-07	---	---	---	3,801	1956-57	90,300	37,400	8,020	135,720
1907-08	---	---	---	3,250	1957-58	81,000	31,100	4,300	116,400
1908-09	---	---	---	4,634	1958-59	83,000	35,200	7,800	126,000
1909-10	5,300	1,100	---	6,400	1959-60	87,600	30,500	7,470	125,570
1910-11	3,600	1,200	---	4,800	1960-61	82,700	31,600	9,940	124,240
1911-12	3,950	1,150	---	5,100	1961-62	108,800	34,800	10,210	153,810
1912-13	6,700	2,000	---	8,700	1962-63	72,500	30,000	5,250	107,750
1913-14	6,200	2,200	---	8,400	1963-64	54,900	26,300	8,620	89,820
1914-15	8,000	2,400	---	10,400	1964-65	82,400	31,900	9,350	123,650
1915-16	6,500	2,400	---	8,900	1965-66	95,900	34,900	10,190	140,990
1916-17	5,700	2,500	---	8,200	1966-67	139,500	43,600	11,895	194,995
1917-18	4,000	2,000	---	6,000	1967-68	100,500	32,900	10,880	144,280
1918-19	6,000	3,500	---	9,500	1968-69	129,700	39,900	12,470	182,070
1919-20	7,550	5,900	478	13,928	1969-70	137,700	37,400	13,915	189,015
1920-21	8,700	5,800	726	15,226	1970-71	142,300	42,900	14,450	199,650
1921-22	7,850	6,700	583	15,133	1971-72	137,000	47,000	16,480	200,480
1922-23	10,150	7,800	785	18,735	1972-73	169,700	45,400	15,450	230,550
1923-24	13,150	8,500	590	22,240	1973-74	165,800	48,100	16,350	230,250
1924-25	10,400	8,900	936	20,236	1974-75	173,300	44,600	17,830	235,730
1925-26	9,500	7,600	730	17,830	1975-76	181,200	49,100	19,180	249,480
1926-27	10,100	8,600	912	19,612	1976-77	186,800	51,500	16,200	254,500
1927-28	8,650	7,500	850	17,000	1977-78	167,800	51,400	16,270	235,470
1928-29	15,000	11,300	1,506	27,806	1978-79	164,000	50,000	16,190	230,190
1929-30	8,950	8,300	858	18,108	1979-80	206,700	54,800	22,050	283,550
1930-31	16,800	15,800	2,408	35,008	1980-81	172,400	50,300	15,880	238,580
1931-32	12,200	10,700	2,009	24,909	1981-82	125,800	48,100	15,310	189,210
1932-33	14,500	11,600	1,910	28,010	1982-83	139,600	39,400	14,600	193,600
1933-34	15,900	10,900	2,012	28,812	1983-84	116,700	40,900	11,945	169,545
1934-35	15,600	15,200	2,015	32,815	1984-85	103,900	44,000	11,005	158,905
1935-36	15,900	11,500	2,112	29,512	1985-86	119,200	46,750	10,065	176,015
1936-37	19,100	18,100	3,045	40,245	1986-87	119,700	49,800	12,030	181,530
1937-38	23,900	14,600	2,370	40,870	1987-88	138,000	53,850	12,250	204,100
1938-39	29,900	23,300	3,495	56,695	1988-89	146,600	54,750	12,500	213,850
1939-40	25,350	15,900	2,745	43,995	1989-90	110,200	35,700	8,285	154,185
1940-41	28,200	24,600	3,180	55,980	1990-91	151,600	45,100	8,960	205,660
1941-42	26,800	19,200	2,650	48,650	1991-92	139,800	42,400	9,615	191,815
1942-43	36,650	27,300	4,925	68,875	1992-93	186,600	55,150	9,790	251,540
1943-44	45,500	31,000	4,490	80,990	1993-94	174,400	51,050	10,310	235,760
1944-45	42,230	22,300	4,670	69,200	1994-95	205,500	55,700	9,820	271,020
1945-46	49,000	32,000	5,200	86,200	1995-96	203,300	52,350	9,725	265,375
1946-47	52,080	26,400	4,790	83,270	1996-97	226,200	55,800	13,315	295,315
1947-48	57,530	29,300	4,440	91,270	1997-98	244,000	49,550	10,900	304,450

SOURCE: See page 43, 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.

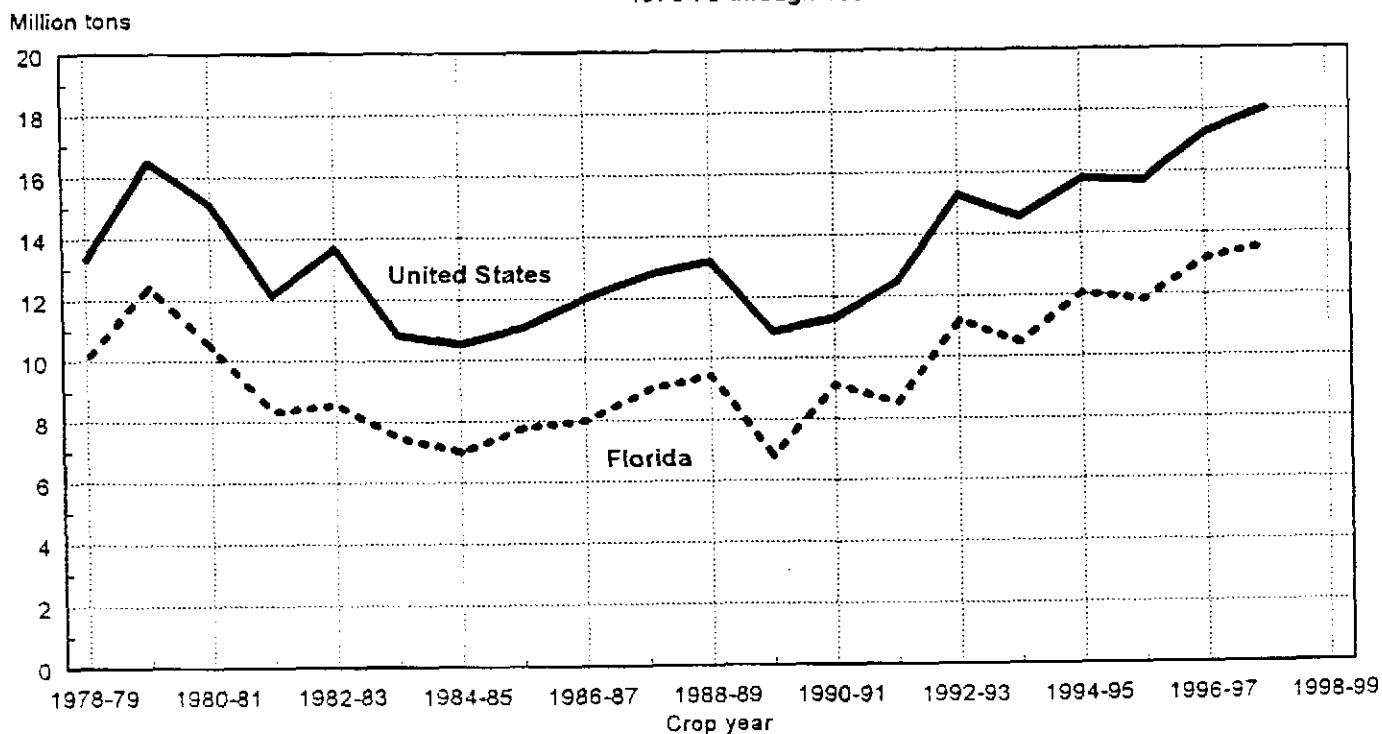
Early settlers in Florida some two centuries later found wild citrus trees scattered over the State. One of the oldest cultivated groves planted in Florida (Hume, 1926 p.95) is thought to have been the Don Phillippe grove in Pinellas County, planted sometime between 1809 and 1820. Nearly 1.5 million boxes were shipped in 1887-88, the first season on record. 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 1997-98, Florida produced a record 304.45 million boxes representing 75 percent of the Nation's production.

**PRINCIPAL CITRUS FRUITS: Bearing acreage and production, by states,
crop years 1978-79 through 1997-98**

Crop year	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Production ^{1/}	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production ^{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
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
1881-82	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	27.1	213	35.6	293	832.9	12,761
1988-89	528.7	9,456	253.9	3,163	28.9	271	36.0	296	847.5	13,186
1989-90	534.6	6,823	249.4	3,649	31.7	131	36.1	257	851.8	10,860
1990-91	555.7	9,127	251.0	1,837	8.0	0	35.2	321	849.9	11,285
1991-92	583.6	8,510	254.5	3,522	11.0	4	37.0	416	886.1	12,452
1992-93	639.3	11,175	255.9	3,662	14.5	97	37.7	340	947.4	15,274
1993-94	665.8	10,484	256.5	3,569	18.2	144	37.6	364	978.1	14,561
1994-95	731.7	12,054	263.7	3,267	21.9	230	37.8	248	1,055.1	15,799
1995-96	773.5	11,815	270.0	3,342	25.5	222	34.2	333	1,103.2	15,712
1996-97	815.1	13,156	274.7	3,631	29.1	273	33.1	187	1,152.0	17,247
1997-98	785.9	13,584	270.5	4,003	32.6	257	33.1	185	1,122.1	18,029

^{1/} Does not include Florida lemons. K-Early Citrus Fruit not included prior to 1992-93. Honey tangerines not included prior to 1981-82, Sunburst tangerines not included prior to 1989-90, and Fallglo tangerines not included prior to 1993-94.

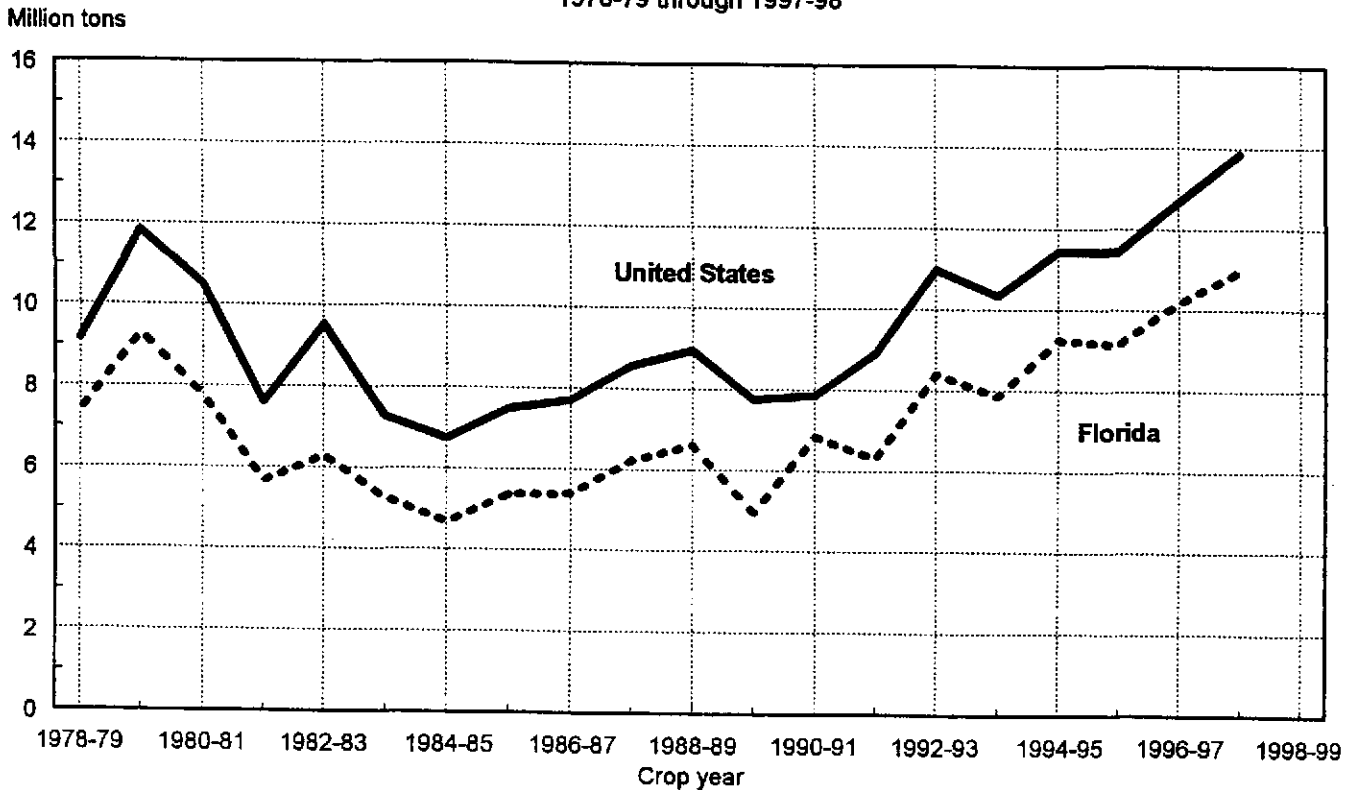
**PRINCIPAL CITRUS FRUITS: Production for the United States and Florida,
1978-79 through 1997-98**



**ORANGES: Bearing acreage and production, by states,
crop years 1978-79 through 1997-98**

Crop year	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production
	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
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
1881-82	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	11.1	61	10.6	68	574.5	8,551
1988-89	388.7	6,597	177.6	2,209	12.0	79	10.4	64	588.7	8,949
1989-90	399.5	4,959	175.1	2,676	13.0	51	10.2	59	597.8	7,745
1990-91	420.9	6,822	178.4	960	3.5	0	9.9	66	612.7	7,848
1991-92	444.4	6,291	181.8	2,528	3.5	1	10.4	89	640.1	8,909
1992-93	489.2	8,397	184.0	2,505	4.4	21	10.6	69	688.2	10,992
1993-94	510.8	7,849	185.0	2,385	5.5	24	10.6	71	711.9	10,329
1994-95	562.8	9,248	191.0	2,101	7.0	44	10.4	39	771.2	11,432
1995-96	594.8	9,149	196.0	2,175	7.9	40	9.4	62	808.1	11,426
1996-97	624.9	10,179	200.0	2,400	8.7	60	9.2	38	842.8	12,677
1997-98	609.2	10,980	196.2	2,775	9.5	64	9.2	38	824.1	13,857

**ORANGES: Production for the United States and Florida,
1978-79 through 1997-98**

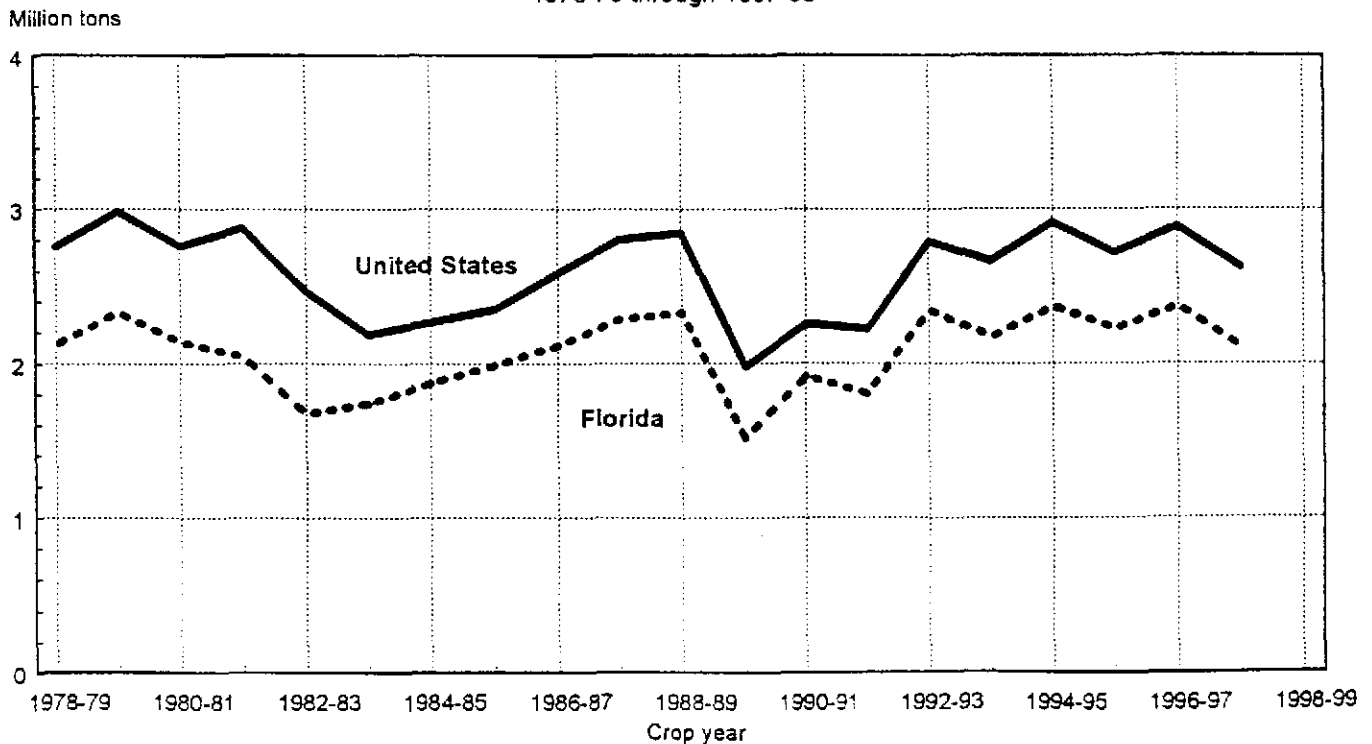


**GRAPEFRUIT: Bearing acreage and production, by states,
crop years 1978-79 through 1997-98**

Crop year	Florida		Texas		California		Arizona		United States	
	Bearing acreage	Production ^{1/}	Bearing acreage	Production	Bearing acreage	Production ^{2/}	Bearing acreage	Production ^{2/}	Bearing acreage	Production
	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
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
1881-82	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	16.0	152	20.7	298	6.0	62	148.7	2,801
1988-89	106.9	2,327	16.9	192	19.9	263	6.5	62	150.2	2,844
1989-90	103.0	1,517	18.7	80	19.2	310	6.4	71	147.3	1,978
1990-91	104.2	1,916	4.5	0	18.3	263	6.2	77	133.2	2,256
1991-92	104.7	1,802	7.5	3	18.5	330	5.9	89	136.6	2,224
1992-93	111.9	2,344	10.1	75	17.8	303	5.9	69	145.7	2,791
1993-94	118.3	2,171	12.8	120	18.0	311	5.9	59	155.0	2,661
1994-95	127.3	2,367	15.0	186	18.4	312	5.7	47	166.4	2,912
1995-96	132.8	2,225	17.7	182	18.8	271	5.1	40	174.4	2,718
1996-97	139.2	2,371	20.4	212	18.6	275	4.7	30	182.9	2,888
1997-98	127.8	2,106	23.1	192	16.8	301	4.7	27	172.4	2,626

^{1/} Excludes economic abandonment in 1995-96 of 127,500 tons of colored seedless; in 1996-97 of 127,500 tons of white seedless and 127,500 tons of colored seedless; and in 1997-98 of 212,500 tons of white seedless and 42,500 tons of colored seedless. ^{2/} Box weight for California Desert and Arizona grapefruit changed in 1993-94.

**GRAPEFRUIT: Production for the United States and Florida,
1978-79 through 1997-98**



FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
ALL ROUND ORANGES								
1978-79	46,955	571.5	287	164,000	11,701	152,299	4.66	764,961
1979-80	47,366	576.6	358	206,700	10,990	195,710	3.72	768,877
1980-81	47,079	573.4	301	172,400	8,276	164,124	4.04	697,231
1981-82	46,079	560.2	225	125,800	7,620	118,180	4.28	538,686
1982-83	44,228	536.8	260	139,600	10,320	129,280	5.15	718,420
1983-84	39,778	474.3	246	116,700	7,640	109,060	5.75	670,618
1984-85	35,415	420.1	247	103,900	6,652	97,248	7.10	737,923
1985-86	32,708	367.6	324	119,200	8,960	110,240	3.94	469,959
1986-87	33,752	375.4	319	119,700	8,870	110,830	5.22	624,771
1987-88	35,537	380.2	363	138,000	9,520	128,480	7.58	1,046,700
1988-89	36,750	388.7	377	146,600	8,488	138,112	7.41	1,086,319
1989-90	40,666	399.5	276	110,200	5,922	104,278	6.21	684,226
1990-91	44,077	420.9	360	151,600	12,451	139,149	5.89	892,675
1991-92	49,577	444.4	315	139,800	11,552	128,248	5.93	828,749
1992-93	56,601	489.2	381	186,600	10,724	175,876	3.48	649,713
1993-94	61,708	510.8	341	174,400	9,898	164,502	4.09	713,312
1994-95	69,295	562.8	365	205,500	10,441	195,059	3.74	767,924
1995-96	75,287	594.8	342	203,300	9,969	193,331	4.40	895,465
1996-97	78,525	624.9	362	226,200	10,696	215,504	3.54	801,344
1997-98	78,587	609.2	401	244,000	11,231	232,769	3.61	881,442
EARLY AND MIDSEASON ORANGES (Including Navels)								
1978-79	24,502	295.5	308	91,000	6,325	84,675	4.44	403,767
1979-80	24,732	298.9	394	117,900	6,476	111,424	3.59	423,324
1980-81	24,569	297.2	355	105,600	5,788	99,812	3.67	387,714
1981-82	24,016	289.6	256	74,000	4,929	69,071	4.27	316,316
1982-83	23,065	277.8	253	70,200	6,067	64,133	4.88	342,914
1983-84	20,126	237.3	294	69,700	4,939	64,761	5.09	354,800
1984-85	17,470	198.3	277	55,000	4,418	50,582	7.30	401,369
1985-86	16,487	182.3	352	64,200	5,121	59,079	3.92	251,366
1986-87	17,320	189.1	348	65,800	5,267	60,533	4.56	300,290
1987-88	18,822	198.1	396	78,500	5,870	72,630	6.72	527,169
1988-89	19,744	205.4	415	85,300	5,434	79,866	6.69	571,082
1989-90	22,034	215.3	316	68,100	4,851	63,249	6.01	409,376
1990-91	23,511	223.3	392	87,500	5,966	81,534	5.38	471,049
1991-92	27,051	243.3	343	83,400	7,780	75,620	5.44	453,501
1992-93	30,379	264.1	433	114,300	6,958	107,342	3.23	369,438
1993-94	32,312	271.7	395	107,300	6,838	100,462	3.76	403,802
1994-95	36,244	299.4	400	119,700	6,681	113,019	3.25	389,515
1995-96	38,914	314.5	385	121,200	6,597	114,603	3.62	438,350
1996-97	40,292	328.9	408	134,200	7,181	127,019	3.18	427,344
1997-98	39,861	317.4	441	140,000	7,635	132,365	2.48	347,250

^{1/} 1997-98 preliminary.

FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
LATE (VALENCIA) ORANGES								
1978-79	22,453	276.0	264	73,000	5,376	67,624	4.95	361,194
1979-80	22,634	277.7	320	88,800	4,514	84,286	3.89	345,553
1980-81	22,510	276.2	242	66,800	2,488	64,312	4.63	309,517
1981-82	22,063	270.6	191	51,800	2,691	49,109	4.29	222,370
1982-83	21,163	259.0	268	69,400	4,253	65,147	5.41	375,506
1983-84	19,652	237.0	198	47,000	2,701	44,299	6.72	315,818
1984-85	17,945	221.8	220	48,900	2,234	46,666	6.88	336,554
1985-86	16,221	185.3	297	55,000	3,839	51,161	3.97	218,593
1986-87	16,432	186.3	289	53,900	3,603	50,297	6.02	324,481
1987-88	16,715	182.1	327	59,500	3,650	55,850	8.73	519,531
1988-89	17,006	183.3	334	61,300	3,054	58,246	8.41	515,237
1989-90	18,632	184.2	229	42,100	1,071	41,029	6.53	274,850
1990-91	20,566	197.6	324	64,100	6,485	57,615	6.58	421,626
1991-92	22,526	201.1	280	56,400	3,772	52,628	6.65	375,248
1992-93	26,222	225.1	321	72,300	3,766	68,534	3.88	280,275
1993-94	29,396	239.1	281	67,100	3,060	64,040	4.61	309,510
1994-95	33,051	263.4	326	85,800	3,760	82,040	4.41	378,409
1995-96	36,373	280.3	293	82,100	3,372	78,728	5.57	457,115
1996-97	38,233	296.0	311	92,000	3,515	88,485	4.07	374,000
1997-98	38,726	291.8	356	104,000	3,596	100,404	5.14	534,192
NAVEL ORANGES								
1978-79	--	--	--	--	--	--	--	--
1979-80	--	--	--	2,100	1,727	373	--	--
1980-81	--	--	--	2,100	1,829	271	--	--
1981-82	--	--	--	1,700	1,446	254	10.04	17,070
1982-83	--	--	--	2,200	1,824	376	9.55	21,002
1983-84	--	--	--	2,200	1,747	453	7.85	17,269
1984-85	--	--	--	1,750	1,379	371	14.34	25,093
1985-86	--	--	--	2,050	1,606	444	9.99	20,470
1986-87	973	10.1	248	2,500	1,932	568	7.98	19,950
1987-88	1,207	12.5	208	2,600	2,046	554	9.21	23,946
1988-89	1,367	14.2	218	3,100	2,312	788	8.62	26,727
1989-90	1,585	16.5	176	2,900	2,135	765	9.62	27,886
1990-91	1,638	16.9	219	3,700	2,787	913	8.76	32,423
1991-92	1,998	17.9	207	3,700	2,992	708	10.67	39,473
1992-93	2,295	20.0	240	4,800	3,537	1,263	4.85	23,268
1993-94	2,465	20.9	196	4,100	3,123	977	7.75	31,788
1994-95	2,740	22.9	253	5,800	3,748	2,052	3.78	21,900
1995-96	2,963	24.1	216	5,200	3,406	1,794	4.63	24,051
1996-97	3,160	25.7	249	6,400	4,291	2,109	3.73	23,866
1997-98	3,001	23.9	264	6,300	4,154	2,146	2.61	16,460

^{1/} 1997-98 preliminary.

FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
ALL GRAPEFRUIT								
1978-79	9,358	124.6	401	50,000	19,790	30,210	2.41	120,128
1979-80	9,586	126.4	434	54,800	19,501	35,299	3.31	181,208
1980-81	9,658	125.6	400	50,300	17,167	33,133	3.60	181,155
1981-82	9,754	127.8	376	48,100	16,719	31,381	2.09	100,597
1982-83	9,827	128.6	306	39,400	18,313	21,087	1.96	77,221
1983-84	9,193	119.6	342	40,900	16,661	24,239	2.72	111,158
1984-85	8,910	115.5	381	44,000	14,988	29,012	3.67	161,356
1985-86	8,368	105.1	445	46,750	19,620	27,130	4.09	191,068
1986-87	8,491	106.0	470	49,800	20,938	28,862	4.98	248,120
1987-88	8,655	106.0	508	53,850	23,110	30,740	5.57	299,887
1988-89	8,807	106.9	512	54,750	23,902	30,848	4.45	243,874
1989-90	8,748	103.0	347	35,700	13,344	22,356	5.65	201,756
1990-91	9,026	104.2	433	45,100	23,923	21,177	5.66	255,328
1991-92	9,557	104.7	405	42,400	22,841	19,559	6.62	280,629
1992-93	10,546	111.9	493	55,150	23,154	31,996	2.66	146,432
1993-94	11,514	118.3	432	51,050	22,502	28,548	3.28	167,211
1994-95	12,660	127.3	438	55,700	22,239	33,461	2.09	116,602
1995-96	13,633	132.8	394	52,350 ^{2/}	22,843	29,507	1.93	101,140
1996-97	14,189	139.2	401	55,800 ^{2/}	23,237	32,563	1.58	88,009
1997-98	13,470	127.8	388	49,550 ^{2/}	21,205	28,345	0.72	35,701
SEEDY GRAPEFRUIT								
1978-79	1,381	21.3	343	7,300	71	7,229	1.84	13,432
1979-80	1,334	20.0	395	7,900	106	7,794	3.04	24,016
1980-81	1,312	19.6	372	7,300	69	7,231	2.92	21,316
1981-82	1,292	19.3	311	6,000	^{3/}	6,000	1.13	6,780
1982-83	1,261	19.0	253	4,800	^{3/}	4,800	0.70	3,360
1983-84	1,013	15.3	295	4,500	^{3/}	4,500	2.01	9,045
1984-85	928	12.7	228	2,900	^{3/}	2,900	2.58	7,482
1985-86	694	10.3	306	3,150	^{3/}	3,150	3.27	10,301
1986-87	641	9.5	305	2,900	^{3/}	2,900	4.27	12,383
1987-88	622	8.9	309	2,750	^{3/}	2,750	4.99	13,723
1988-89	612	8.7	385	3,350	^{3/}	3,350	3.68	12,328
1989-90	529	7.1	197	1,400	^{3/}	1,400	3.84	5,376
1990-91	457	6.1	262	1,600	^{3/}	1,600	3.93	6,288
1991-92	396	4.9	245	1,200	^{3/}	1,200	4.57	5,484
1992-93	403	5.0	350	1,750	^{3/}	1,750	1.88	3,290
1993-94	386	4.7	223	1,050	^{3/}	1,050	1.78	1,869
1994-95	384	4.6	283	1,300	^{3/}	1,300	2.03	2,639
1995-96	370	4.3	244	1,050	^{3/}	1,050	1.73	1,817
1996-97	364	4.4	205	900	^{3/}	900	0.13	117
1997-98	296	3.4	191	650	^{3/}	650	-0.30	-195

^{1/} 1997-98 preliminary. ^{2/} Excludes economic abandonment in 1995-96 of 3.0 million boxes of colored seedless; in 1996-97 of 3.0 million boxes of white seedless and 3.0 million boxes of colored seedless; and in 1997-98 of 5.0 million boxes of white seedless and 1.0 million boxes of colored seedless. ^{3/} Fresh sales negligible.

FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
WHITE SEEDLESS GRAPEFRUIT								
1978-79	5,096	66.0	445	29,400	10,179	19,221	2.21	65,021
1979-80	5,177	66.9	465	31,100	8,900	22,200	3.12	97,086
1980-81	5,165	66.6	426	28,400	8,195	20,205	3.46	98,285
1981-82	5,083	65.8	415	27,300	8,329	18,971	1.92	52,370
1982-83	5,045	65.4	333	21,800	9,045	12,755	1.51	32,941
1983-84	4,664	60.5	380	23,000	7,642	15,358	2.08	47,885
1984-85	4,491	58.2	426	24,800	5,350	19,450	3.02	74,956
1985-86	4,206	53.4	479	25,600	6,735	18,865	3.56	91,107
1986-87	4,173	53.0	508	26,900	7,086	19,814	4.45	119,693
1987-88	4,126	51.6	566	29,200	8,020	21,180	5.35	156,360
1988-89	4,092	51.1	542	27,700	8,033	19,667	4.33	119,980
1989-90	3,942	48.2	373	18,000	4,054	13,946	5.21	93,737
1990-91	3,888	47.4	458	21,700	8,191	13,509	4.59	99,622
1991-92	3,844	44.9	425	19,100	6,754	12,346	6.46	123,337
1992-93	4,191	47.4	542	25,700	6,087	19,613	2.22	56,973
1993-94	4,554	49.7	493	24,500	6,459	18,041	3.23	79,254
1994-95	4,807	51.8	496	25,700	5,720	19,980	2.58	66,382
1995-96	5,039	52.6	441	23,200	5,862	17,338	2.14	49,726
1996-97	5,169	54.5	431	23,500 ^{2/}	5,664	17,836	1.18	27,839
1997-98	4,888	49.6	369	18,300 ^{3/}	4,834	13,466	0.52	9,444
COLORED SEEDLESS GRAPEFRUIT								
1978-79	2,880	37.3	357	13,300	9,540	3,760	3.13	41,675
1979-80	3,075	39.5	400	15,800	10,495	5,305	3.80	60,106
1980-81	3,181	39.4	371	14,600	8,903	5,697	4.22	61,554
1981-82	3,379	42.7	347	14,800	8,390	6,410	2.80	41,447
1982-83	3,521	44.2	290	12,800	9,268	3,532	3.20	40,920
1983-84	3,516	43.8	306	13,400	9,019	4,381	4.05	54,228
1984-85	3,491	44.6	365	16,300	9,638	6,662	4.84	78,918
1985-86	3,468	41.4	435	18,000	12,885	5,115	4.98	89,660
1986-87	3,677	43.5	460	20,000	13,852	6,148	5.80	116,044
1987-88	3,907	45.5	481	21,900	15,090	6,810	5.93	129,804
1988-89	4,103	47.1	503	23,700	15,869	7,831	4.71	111,566
1989-90	4,277	47.7	342	16,300	9,290	7,010	6.30	102,643
1990-91	4,681	50.7	430	21,800	15,732	6,068	6.85	149,418
1991-92	5,317	54.9	403	22,100	16,087	6,013	6.87	151,808
1992-93	5,952	59.5	466	27,700	17,067	10,633	3.11	86,169
1993-94	6,574	63.9	399	25,500	16,043	9,457	3.38	86,088
1994-95	7,469	70.9	405	28,700	16,519	12,181	1.66	47,581
1995-96	8,224	75.9	370	28,100 ^{2/}	16,981	11,119	1.77	49,597
1996-97	8,656	80.3	391	31,400 ^{2/}	17,573	13,827	1.91	60,053
1997-98	8,286	74.8	409	30,600 ^{4/}	16,371	14,229	0.86	26,452

^{1/} 1997-98 preliminary. ^{2/} Excludes 3.0 million boxes of economic abandonment. ^{3/} Excludes 5.0 million boxes of economic abandonment. ^{4/} Excludes 1.0 million boxes of economic abandonment.

**FLORIDA GRAPEFRUIT: Production by types, by areas of production,
crop years 1988-89 through 1997-98**

Crop year	White seedless			Colored seedless			Seedy		
	State	Interior	Indian River	State	Interior	Indian River	State	Interior	Indian River
1,000 boxes									
1988-89	27,700	11,400	16,300	23,700	6,700	17,000	3,350	3,250	100
1989-90	18,000	5,000	13,000	16,300	3,300	13,000	1,400	1,300	100
1990-91	21,700	6,700	15,000	21,800	5,100	16,700	1,600	1,500	100
1991-92	19,100	7,200	11,900	22,100	5,800	16,300	1,200	1,100	100
1992-93	25,700	10,200	15,500	27,700	8,700	19,000	1,750	1,650	100
1993-94	24,500	10,200	14,300	25,500	9,600	15,900	1,050	1,000	50
1994-95	25,700	8,700	17,000	28,700	8,200	20,500	1,300	1,200	100
1995-96	23,200	9,400	13,800	28,100 ^{1/}	9,200	18,900	1,050	950	100
1996-97	23,500 ^{1/}	8,700	14,800	31,400 ^{1/}	9,100	22,300	900	800	100
1997-98	18,300 ^{2/}	6,200	12,100	30,600 ^{3/}	9,300	21,300	650	550	100

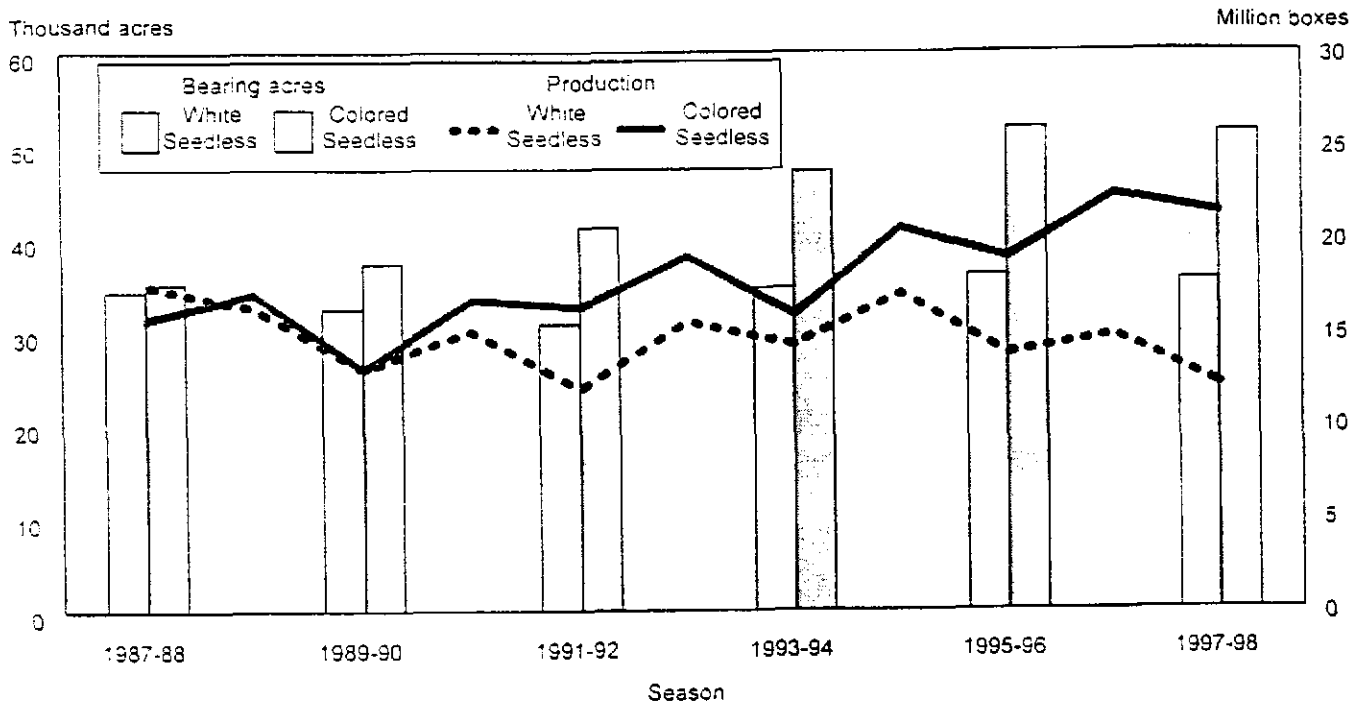
**FLORIDA GRAPEFRUIT: Season average on-tree prices per box, by utilization of
sales and areas of production, by types, crop years 1992-93 through 1997-98 ^{4/}**

Crop year and area	White seedless			Colored seedless		
	Fresh	Processing	All sales	Fresh	Processing	All sales
Dollars						
1992-93						
Interior	3.70	1.27	1.54	4.50	0.55	3.26
Indian River	5.70	1.26	2.68	4.80	0.56	3.04
State average	5.30	1.26	2.22	4.70	0.56	3.11
1993-94						
Interior	3.25	1.99	2.20	4.15	1.43	3.05
Indian River	8.75	1.44	3.85	4.65	0.84	3.31
State average	7.55	1.69	3.23	4.70	1.13	3.38
1994-95						
Interior	2.65	1.81	1.92	3.00	0.33	2.00
Indian River	7.80	1.13	2.93	3.05	-0.42	1.51
State average	6.75	1.39	2.58	3.05	-0.23	1.66
1995-96						
Interior	3.55	1.22	1.47	3.50	0.14	2.05
Indian River	6.35	0.55	2.59	2.75	-0.16	1.65
State average	5.88	0.88	2.14	2.96	-0.06	1.77
1996-97						
Interior	4.80	0.22	0.65	4.05	0.34	2.30
Indian River	5.35	-0.34	1.52	2.90	0.13	1.72
State average	5.23	-0.10	1.18	3.26	0.20	1.91
1997-98						
Interior	4.00	-0.69	-0.25	3.65	-1.11	1.11
Indian River	5.65	-1.62	0.93	2.60	-1.60	0.78
State average	5.38	-1.23	0.52	2.85	-1.42	0.86

^{1/} Excludes 3.0 million boxes of economic abandonment. ^{2/} Excludes 5.0 million boxes of economic abandonment.

^{3/} Excludes 1.0 million boxes of economic abandonment. ^{4/} 1997-98 preliminary.

INDIAN RIVER GRAPEFRUIT: Bearing acreage and production by variety, 1987-88 through 1997-98



FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes	1,000 boxes			Dollars	1,000 dollars
TANGELOS								
1978-79	1,610	17.1	246	4,200	1,721	2,479	3.90	16,360
1979-80	1,622	17.3	370	6,400	1,807	4,593	2.87	18,351
1980-81	1,568	16.8	292	4,900	2,056	2,844	3.92	19,226
1981-82	1,486	16.1	317	5,100	1,780	3,320	3.58	18,264
1982-83	1,441	15.6	244	3,800	1,878	1,922	4.37	16,596
1983-84	1,143	12.3	293	3,600	1,596	2,004	4.28	15,395
1984-85	938	10.1	356	3,600	1,468	2,132	7.08	25,501
1985-86	894	9.5	311	2,950	1,338	1,612	4.06	11,980
1986-87	889	9.5	421	4,000	1,310	2,690	3.72	14,891
1987-88	887	9.4	447	4,200	1,395	2,805	5.58	23,435
1988-89	904	9.5	400	3,800	1,348	2,452	6.31	23,994
1989-90	873	8.9	331	2,950	1,118	1,832	5.10	15,046
1990-91	815	8.0	331	2,650	1,186	1,464	6.11	16,203
1991-92	1,050	9.8	265	2,600	1,307	1,293	7.16	18,618
1992-93	1,161	10.5	290	3,050	1,316	1,734	3.31	10,092
1993-94	1,311	11.3	296	3,350	1,097	2,253	2.38	7,976
1994-95	1,458	12.4	254	3,150	1,106	2,044	2.64	8,318
1995-96	1,528	12.7	193	2,450	1,018	1,432	3.63	8,883
1996-97	1,561	13.3	297	3,950	1,032	2,918	2.19	8,645
1997-98	1,487	12.2	234	2,850	913	1,937	1.49	4,258

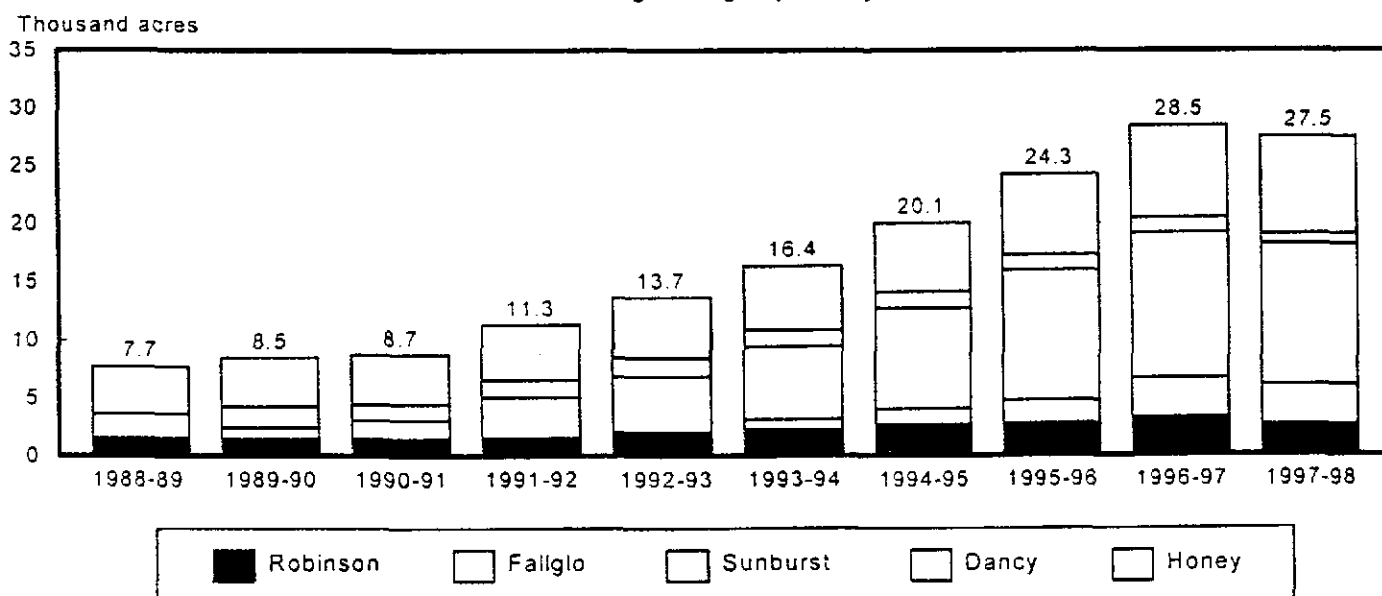
^{1/} 1997-98 preliminary.

FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
ALL TANGERINES ^{2/}								
1978-79	1,434	15.9	220	3,500	1,891	1,609	4.99	17,465
1979-80	1,381	15.2	257	3,900	2,339	1,561	4.25	16,594
1980-81	1,331	15.0	200	3,000	1,905	1,095	5.45	16,361
1981-82	1,971	20.6	199	4,100	1,917	2,183	5.91	24,236
1982-83	1,815	18.9	180	3,400	2,170	1,230	7.81	26,556
1983-84	1,287	13.2	225	2,975	1,858	1,117	7.08	21,075
1984-85	1,101	11.3	163	1,840	945	895	13.66	25,127
1985-86	904	8.8	222	1,950	1,189	761	11.55	22,515
1986-87	768	7.5	312	2,340	1,462	878	10.92	25,563
1987-88	796	7.6	322	2,450	1,614	836	12.99	31,831
1988-89	794	7.7	377	2,900	1,639	1,261	12.64	36,652
1989-90	946	8.5	200	1,700	999	701	15.28	25,981
1990-91	1,021	8.7	224	1,950	1,227	723	17.10	33,349
1991-92	1,403	11.3	230	2,600	1,965	635	18.00	46,797
1992-93	1,781	13.7	204	2,800	2,065	735	13.75	38,503
1993-94	2,269	16.4	250	4,100	2,985	1,115	9.83	40,303
1994-95	2,831	20.1	177	3,550	2,662	888	11.98	42,539
1995-96	3,536	24.3	185	4,500	3,144	1,356	12.59	56,646
1996-97	4,330	28.5	221	6,300	3,757	2,543	7.99	50,343
1997-98	4,130	27.5	189	5,200	3,428	1,772	8.41	43,736

^{1/} 1997-98 preliminary. ^{2/} Honey tangerines not included prior to 1981-82, Sunburst tangerines not included prior to 1989-90, and Fallglo tangerines not included prior to 1993-94.

FLORIDA TANGERINES: Bearing acreage by variety, 1988-89 through 1997-98



FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
EARLY TANGERINES ^{2/}								
1978-79	1,434	15.9	220	3,500	1,891	1,609	4.99	17,465
1979-80	1,381	15.2	257	3,900	2,339	1,561	4.25	16,594
1980-81	1,331	15.0	200	3,000	1,905	1,095	5.45	16,361
1981-82	1,166	13.0	192	2,500	1,591	909	6.23	15,563
1982-83	1,030	11.4	197	2,250	1,490	760	7.57	17,041
1983-84	696	7.6	263	2,000	1,404	596	5.93	11,866
1984-85	569	6.0	175	1,050	693	357	15.91	16,710
1985-86	445	4.6	250	1,150	738	412	12.69	14,593
1986-87	341	3.6	361	1,300	814	486	11.99	15,586
1987-88	343	3.5	371	1,300	828	472	12.65	16,447
1988-89	344	3.6	389	1,400	848	552	12.56	17,577
1989-90	453	4.2	252	1,060	792	268		
1990-91	515	4.4	193	850	529	321	15.78	13,429
1991-92	832	6.5	205	1,330	1,000	330	18.39	24,479
1992-93	1,107	8.4	167	1,400	1,091	309	14.35	20,090
1993-94	1,522	10.8	219	2,370	1,715	655	9.76	23,140
1994-95	2,022	14.1	167	2,350	1,794	556	7.95	18,691
1995-96	2,542	17.3	168	2,900	2,025	875	10.76	31,200
1996-97	3,150	20.5	220	4,500	2,713	1,787	6.28	28,260
1997-98	2,882	19.1	168	3,200	2,060	1,140	6.71	21,458
HONEY TANGERINES								
1978-79	NA	8.0	221	1,770	1,008	726	6.63	11,740
1979-80	864	8.2	341	2,800	1,469	1,331	5.48	15,342
1980-81	NA	8.0	138	1,100	273	827	4.66	5,128
1981-82	805	7.6	211	1,600	326	1,274	5.33	8,529
1982-83	785	7.5	153	1,150	680	470	8.34	9,591
1983-84	591	5.6	175	975	454	521	9.41	9,177
1984-85	532	5.0	158	790	252	538	10.68	8,435
1985-86	459	4.2	190	800	451	349	10.04	8,035
1986-87	427	3.9	267	1,040	648	392	9.57	9,953
1987-88	453	4.1	280	1,150	786	364	13.41	15,424
1988-89	450	4.1	366	1,500	791	709	12.73	19,097
1989-90	493	4.3	149	640	207	433	13.02	8,332
1990-91	506	4.3	256	1,100	698	402	18.07	19,881
1991-92	571	4.8	265	1,270	965	305	17.59	22,344
1992-93	674	5.3	264	1,400	974	426	13.17	18,433
1993-94	747	5.6	309	1,730	1,270	460	9.90	17,131
1994-95	809	6.0	200	1,200	868	332	19.76	23,716
1995-96	994	7.0	229	1,600	1,119	481	15.16	24,262
1996-97	1,180	8.0	225	1,800	1,044	756	12.18	21,929
1997-98	1,248	8.4	238	2,000	1,368	632	11.16	22,319

^{1/} 1997-98 preliminary. ^{2/} Combined Dancy and Robinson varieties; Sunburst included beginning in 1989-90; and Fallglo included beginning in 1993-94.

FLORIDA CITRUS: Trees, acreage, yield, production, utilization, season average price, and value for crop years 1978-79 through 1997-98 ^{1/}

Crop year	Bearing trees	Bearing acreage	Yield per acre	Utilization of production			On-tree	
				Total	Fresh	Processed	Price per box	Value of production
	1,000 trees	1,000 acres	Boxes		1,000 boxes		Dollars	1,000 dollars
LIMES								
1978-79	682	4.1	176	720	481	239	12.44	8,948
1979-80	777	4.7	234	1,100	622	478	8.18	8,996
1980-81	867	5.3	226	1,200	697	503	6.58	7,891
1981-82	1,021	6.4	203	1,300	625	675	7.88	10,238
1982-83	1,143	7.3	233	1,700	975	725	8.39	14,262
1983-84	1,100	7.0	206	1,440	825	615	7.46	10,736
1984-85	1,070	6.7	245	1,640	1,025	615	7.27	11,927
1985-86	1,068	6.8	254	1,725	880	845	7.94	13,692
1986-87	1,059	6.7	216	1,450	850	600	8.57	12,424
1987-88	1,100	7.0	186	1,300	860	440	12.69	16,493
1988-89	1,036	6.6	189	1,250	950	300	11.29	14,112
1989-90	1,040	6.7	246	1,650	1,010	640	8.26	13,634
1990-91	967	6.2	234	1,450	930	520	13.99	20,289
1991-92	983	6.3	254	1,600	1,070	530	9.12	14,589
1992-93 ^{2/}	983	6.3	159	1,000	730	270	1.02	1,017
1993-94	295	1.9	105	200	150	50	12.70	2,540
1994-95	256	1.9	121	230	190	40	8.65	1,989
1995-96	294	2.0	150	300	240	60	8.05	2,414
1996-97	323	2.1	152	320	255	65	6.93	2,216
1997-98	410	2.7	163	440	330	110	5.02	2,210
TEMPLES								
1978-79	1,576	18.3	257	4,700	2,135	2,565	4.89	22,968
1979-80	1,566	18.2	330	6,000	2,784	3,216	2.89	17,356
1980-81	1,521	17.7	203	3,600	1,107	2,493	4.21	15,170
1981-82	1,444	16.8	190	3,200	838	2,362	4.01	12,824
1982-83	1,400	15.8	297	4,700	1,563	3,137	3.99	18,735
1983-84	1,175	13.5	215	2,900	762	2,138	5.34	15,476
1984-85	1,068	12.2	266	3,250	626	2,624	5.59	18,162
1985-86	910	10.0	295	2,950	913	2,037	3.01	8,870
1986-87	856	9.4	362	3,400	1,053	2,347	3.60	12,236
1987-88	862	9.3	382	3,550	1,292	2,258	5.69	20,196
1988-89	859	9.3	403	3,750	869	2,881	5.46	20,474
1989-90	776	8.0	175	1,400	139	1,261	5.64	7,889
1990-91	744	7.7	325	2,500	794	1,706	6.31	15,786
1991-92	720	7.1	331	2,350	848	1,502	6.51	15,289
1992-93	744	7.3	342	2,500	947	1,553	2.99	7,475
1993-94	689	6.7	336	2,250	785	1,465	2.73	6,136
1994-95	695	6.8	375	2,550	786	1,764	3.47	8,848
1995-96	691	6.6	326	2,150	693	1,457	4.44	9,543
1996-97	689	6.7	358	2,400	555	1,845	3.22	7,723
1997-98	675	6.2	363	2,250	566	1,684	2.84	6,393

^{1/} 1997-98 preliminary. ^{2/} Hurricane Andrew August 24, 1992.

**FLORIDA CITRUS PRODUCTS: Annual packs of citrus and all citrus feeds,
crop years 1983-84 through 1997-98**

Crop year	Orange juice ^{1/}						All citrus	
	Concentrated ^{2/}		Chilled		Canned ^{3/}		Feed	Molasses
	Product	Boxes used	Product	Boxes used	Product	Boxes used		
	1,000 gallons	1,000 boxes	1,000 gallons	1,000 boxes	1,000 cases ^{4/}	1,000 boxes	1,000 tons	
1983-84	121,216	94,016	92,814	16,981	9,084	2,269	640	36
1984-85	118,472	86,112	NA	14,903	7,425	1,185	580	35
1985-86	132,406	96,061	NA	NA	7,596	1,361	610	37
1986-87	145,056	96,182	NA	NA	8,122	947	601	28
1987-88	169,973	110,206	NA	NA	7,256	904	697	30
1988-89	174,717	113,729	NA	NA	8,164	1,141	770	24
1989-90	90,285	73,640	NA	NA	6,640	660	598	28
1990-91	151,396	104,136	NA	NA	7,130	569	701	27
1991-92	145,421	93,932	NA	NA	7,652	456	637	24
1992-93	208,662	132,154	NA	NA	7,922	355	874	31
1993-94	182,231	116,248	311,120	51,015	6,849	225	832	25
1994-95	216,502	144,678	326,658	53,410	5,744	289	941	26
1995-96	202,353	132,907	384,124	62,146	5,217	224	928	27
1996-97	241,800	153,842	400,279	65,676	3,932	182	1,071	34
1997-98	253,734	160,865	452,074	74,767	3,611	NA	1,137	28

Crop year	Grapefruit juice					Tangerine juice		Blended juice	
	Concentrated ^{5/}		Chilled		Canned	Concentrated ^{2/}	Canned	Concentrated	Canned
	Product	Boxes used	Product	Boxes used	Product				
	1,000 gallons	1,000 boxes	1,000 gallons	1,000 boxes	1,000 cases ^{4/}	1,000 gallons	1,000 cases ^{4/}	1,000 gallons	1,000 cases ^{4/}
1983-84	19,291	18,728	6,231	1,320	9,513	636	0	0	555
1984-85	24,802	22,996	5,083	1,065	10,552	285	1	0	615
1985-86	24,162	21,572	5,879	1,189	9,948	368	0	0	577
1986-87	28,875	24,143	6,718	1,267	8,982	373	0	0	533
1987-88	31,906	26,690	5,713	1,102	7,724	583	0	0	449
1988-89	32,466	26,621	8,990	1,735	7,956	495	0	10	434
1989-90	21,774	19,405	5,707	1,212	5,986	371	0	0	334
1990-91	21,672	17,413	11,125	2,121	6,678	279	0	0	450
1991-92	19,458	16,099	12,604	2,402	5,822	297	0	5	309
1992-93	31,527	26,595	23,086	4,466	5,751	329	0	0	197
1993-94	26,485	22,324	29,307	5,711	5,375	529	0	0	199
1994-95	31,344	27,343	29,310	5,557	5,240	1,192	0	0	161
1995-96	26,930	22,993	31,900	6,147	4,708	5,819	0	0	135
1996-97	30,032	24,981	37,209	7,135	4,375	2,386	0	0	117
1997-98	24,223	20,578	36,295	7,225	4,964	1,461	0	0	103

^{1/} Includes tangelos, Temples, tangerines, and K-Early Citrus. ^{2/} 42.0 degrees Brix. ^{3/} Includes sections and salads, cannery juice, and blend. ^{4/} Equivalent cases, 24 No. 2 cans. ^{5/} 40.0 degrees Brix.

SOURCE: See Page 47, Data Sources, Item 3

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1992-93 through 1997-98 ^{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									
1992-93	61,768	193,992	255,760	6.92	3.03	3.88	433,663	571,835	1,005,498
1993-94	58,015	182,435	240,450	7.67	3.48	4.40	448,199	619,057	1,067,256
1994-95	56,254	207,351	263,605	7.63	3.42	4.23	436,807	697,545	1,134,352
1995-96	56,525	207,365	263,890	8.27	3.96	4.79	472,879	806,722	1,279,601
1996-97	64,089	228,531	292,620	7.98	3.31	4.22	518,826	748,076	1,266,902
1997-98	73,742	246,783	320,525	7.75	3.39	4.29	580,663	827,160	1,407,823
FLORIDA ORANGES									
1992-93	10,724	175,876	186,600	3.81	3.46	3.48	40,877	608,836	649,713
1993-94	9,898	164,502	174,400	5.98	3.98	4.09	59,162	654,150	713,312
1994-95	10,441	195,059	205,500	4.07	3.72	3.74	42,516	725,408	767,924
1995-96	9,969	193,331	203,300	5.46	4.35	4.40	54,404	841,061	895,465
1996-97	10,696	215,504	226,200	4.57	3.49	3.54	48,836	752,508	801,344
1997-98	11,231	232,769	244,000	3.86	3.60	3.61	43,353	838,089	881,442
CALIFORNIA ORANGES									
1992-93	49,100	17,700	66,800	7.80	-2.05	5.19	382,916	-36,228	346,688
1993-94	46,100	17,500	63,600	8.14	-1.97	5.36	375,179	-34,400	340,779
1994-95	44,100	11,900	56,000	8.75	-2.39	6.38	385,837	-28,475	357,362
1995-96	44,500	13,500	58,000	9.13	-2.49	6.43	406,310	-33,660	372,650
1996-97	51,500	12,500	64,000	8.94	-0.42	7.11	460,340	-5,200	455,140
1997-98	60,500	13,500	74,000	8.77	-0.83	7.02	530,380	-11,250	519,130
TEXAS ORANGES									
1992-93	448	62	510	6.94	1.10	6.23	3,110	68	3,178
1993-94	504	46	550	8.41	1.76	7.85	4,239	81	4,320
1994-95	718	337	1,055	4.02	2.18	3.43	2,886	734	3,620
1995-96	788	152	940	7.55	1.87	6.64	5,953	284	6,237
1996-97	956	464	1,420	5.06	1.94	4.04	4,838	902	5,740
1997-98	1,129	396	1,525	3.00	1.42	2.59	3,390	561	3,951
ARIZONA ORANGES									
1992-93	1,496	354	1,850	4.52	-2.38	3.20	6,760	-841	5,919
1993-94	1,513	387	1,900	6.36	-2.00	4.66	9,619	-774	8,845
1994-95	995	55	1,050	5.60	-2.22	5.19	5,568	-122	5,446
1995-96	1,268	382	1,650	4.90	-2.52	3.18	6,212	-963	5,249
1996-97	937	63	1,000	5.14	-2.13	4.68	4,812	-134	4,678
1997-98	882	118	1,000	4.01	-2.03	3.30	3,540	-240	3,300

^{1/} 1997-98 preliminary.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1993-94 through 1997-98 ^{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 AND MIDSEASON ORANGES (INCLUDING NAVELS)									
1993-94	6,838	100,462	107,300	6.75	3.56	3.76	46,157	357,645	403,802
1994-95	6,681	113,019	119,700	4.00	3.21	3.25	26,724	362,791	389,515
1995-96	6,597	114,603	121,200	4.95	3.54	3.62	32,655	405,695	438,350
1996-97	7,181	127,019	134,200	4.50	3.11	3.18	32,315	395,029	427,344
1997-98	7,635	132,365	140,000	3.70	2.41	2.48	28,250	319,000	347,250
FLORIDA NAVELS									
1993-94	3,123	977	4,100	9.65	1.69	7.75	30,137	1,651	31,788
1994-95	3,748	2,052	5,800	5.00	1.54	3.78	18,740	3,160	21,900
1995-96	3,406	1,794	5,200	6.15	1.73	4.63	20,947	3,104	24,051
1996-97	4,291	2,109	6,400	5.10	0.94	3.73	21,884	1,982	23,866
1997-98	4,154	2,146	6,300	4.20	-0.46	2.61	17,447	-987	16,460
FLORIDA LATE (VALENCIA) ORANGES									
1993-94	3,060	64,040	67,100	4.25	4.63	4.61	13,005	296,505	309,510
1994-95	3,760	82,040	85,800	4.20	4.42	4.41	15,792	362,617	378,409
1995-96	3,372	78,728	82,100	6.45	5.53	5.57	21,749	435,366	457,115
1996-97	3,515	88,485	92,000	4.70	4.04	4.07	16,521	357,479	374,000
1997-98	3,596	100,404	104,000	4.20	5.17	5.14	15,103	519,089	534,192
CALIFORNIA NAVELS AND MISCELLANEOUS ORANGES									
1993-94	29,100	7,500	36,600	8.19	-1.80	6.14	238,329	-13,500	224,829
1994-95	26,500	8,500	35,000	8.37	-2.33	5.77	221,805	-19,805	202,000
1995-96	29,000	9,000	38,000	7.80	-2.46	5.37	226,200	-22,140	204,060
1996-97	34,500	5,500	40,000	8.80	-1.62	7.37	303,600	-8,910	294,690
1997-98	36,500	7,500	44,000	8.60	-1.62	6.86	313,900	-12,150	301,750
CALIFORNIA VALENCIA ORANGES									
1993-94	17,000	10,000	27,000	8.05	-2.09	4.29	136,850	-20,900	115,950
1994-95	17,600	3,400	21,000	9.32	-2.55	7.40	164,032	-8,670	155,362
1995-96	15,500	4,500	20,000	11.62	-2.56	8.43	180,110	-11,520	168,590
1996-97	17,000	7,000	24,000	9.22	0.53	6.69	156,740	3,710	160,450
1997-98	24,000	6,000	30,000	9.02	0.15	7.25	216,480	900	217,380
FLORIDA TEMPLES									
1993-94	785	1,465	2,250	4.55	1.75	2.73	3,572	2,564	6,136
1994-95	786	1,764	2,550	4.30	3.10	3.47	3,380	5,468	8,848
1995-96	693	1,457	2,150	5.55	3.91	4.44	3,846	5,697	9,543
1996-97	555	1,845	2,400	7.00	2.08	3.22	3,885	3,838	7,723
1997-98	566	1,684	2,250	4.60	2.25	2.84	2,604	3,789	6,393

^{1/} 1997-98 preliminary.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1992-93 through 1997-98 ^{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									
1992-93	31,665	36,710	68,375	5.10	0.77	2.75	162,415	25,599	188,014
1993-94	31,869	33,231	65,100	5.61	1.21	3.33	179,341	37,714	217,055
1994-95	32,663	38,387	71,050	4.40	0.59	2.30	146,852	20,159	167,011
1995-96	32,618	33,582	66,200	4.33	0.38	2.30	144,530	11,446	155,976
1996-97	33,329	36,871	70,200	4.20	-0.09	1.91	142,762	-4,679	138,083
1997-98	31,094	33,056	64,150	4.38	-1.31	1.41	141,230	-43,932	97,298
FLORIDA GRAPEFRUIT									
1992-93	23,154	31,996	55,150	4.86	1.06	2.66	112,476	33,956	146,432
1993-94	22,502	28,548	51,050	5.52	1.51	3.28	124,167	43,044	167,211
1994-95	22,239	33,461	55,700	4.00	0.83	2.09	88,993	27,609	116,602
1995-96 ^{2/}	22,843	29,507	52,350	3.71	0.56	1.93	84,733	16,407	101,140
1996-97 ^{2/}	23,237	32,563	55,800	3.74	0.03	1.58	86,911	1,098	88,009
1997-98 ^{2/}	21,205	28,345	49,550	3.43	-1.30	0.72	72,664	-36,963	35,701
CALIFORNIA GRAPEFRUIT									
1992-93	5,700	3,500	9,200	6.35	-2.13	3.11	35,982	-7,453	28,529
1993-94	6,080	3,220	9,300	6.74	-1.59	3.86	40,994	-5,110	35,884
1994-95	5,910	3,390	9,300	7.17	-2.37	3.70	42,402	-8,025	34,377
1995-96	6,000	2,100	8,100	6.82	-2.37	4.44	40,920	-4,977	35,943
1996-97	5,900	2,300	8,200	6.52	-2.35	4.03	38,468	-5,405	33,063
1997-98	5,900	3,100	9,000	8.32	-2.20	4.70	49,088	-6,820	42,268
TEXAS GRAPEFRUIT									
1992-93	1,397	478	1,875	6.57	0.85	5.11	9,178	406	9,584
1993-94	2,155	845	3,000	5.02	1.02	3.89	10,818	862	11,680
1994-95	3,201	1,449	4,650	3.18	0.54	2.36	10,179	782	10,961
1995-96	3,022	1,528	4,550	5.22	0.66	3.69	15,775	1,008	16,783
1996-97	3,718	1,582	5,300	4.15	0.40	3.03	15,430	633	16,063
1997-98	3,494	1,306	4,800	4.75	0.40	3.57	16,597	522	17,119
ARIZONA GRAPEFRUIT									
1992-93	1,414	736	2,150	3.38	-1.78	1.61	4,779	-1,310	3,469
1993-94	1,132	618	1,750	2.97	-1.75	1.30	3,362	-1,082	2,280
1994-95	1,313	87	1,400	4.02	-2.38	3.62	5,278	-207	5,071
1995-96	753	447	1,200	4.12	-2.22	1.76	3,102	-992	2,110
1996-97	474	426	900	4.12	-2.36	1.05	1,953	-1,005	948
1997-98	495	305	800	5.82	-2.20	2.76	2,881	-671	2,210

^{1/} 1997-98 preliminary. ^{2/} Excludes economic abandonment in 1995-96 of 3.0 million boxes of colored seedless; in 1996-97 of 3.0 million boxes of white seedless and 3.0 million boxes of colored seedless; and in 1997-98 of 5.0 million boxes of white seedless and 1.0 million boxes of colored seedless.

CITRUS FRUITS: Utilization, season average on-tree price, and value by types, by states, crop years 1992-93 through 1997-98 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 ALL TANGERINES									
1992-93	2,065	735	2,800	18.30	0.97	13.75	37,790	713	38,503
1993-94	2,985	1,115	4,100	13.30	0.54	9.83	39,701	602	40,303
1994-95	2,662	888	3,550	15.70	0.84	11.98	41,793	746	42,539
1995-96	3,144	1,356	4,500	17.15	2.01	12.59	53,920	2,726	56,646
1996-97	3,757	2,543	6,300	12.75	0.96	7.99	47,902	2,441	50,343
1997-98	3,428	1,772	5,200	12.50	0.50	8.41	42,850	886	43,736
FLORIDA EARLY TANGERINES ²									
1992-93	1,091	309	1,400	18.20	0.66	14.35	19,887	203	20,090
1993-94	1,715	655	2,370	13.50	-0.02	9.76	23,153	-13	23,140
1994-95	1,794	556	2,350	10.40	0.06	7.95	18,658	33	18,691
1995-96	2,025	875	2,900	14.85	1.29	10.76	30,071	1,129	31,200
1996-97	2,713	1,787	4,500	9.85	0.86	6.28	26,723	1,537	28,260
1997-98	2,060	1,140	3,200	10.40	0.03	6.71	21,424	34	21,458
FLORIDA HONEY TANGERINES									
1992-93	974	426	1,400	18.40	1.20	13.17	17,922	511	18,433
1993-94	1,270	460	1,730	13.00	1.35	9.90	16,510	621	17,131
1994-95	868	332	1,200	26.50	2.15	19.76	23,002	714	23,716
1995-96	1,119	481	1,600	20.25	3.33	15.16	22,660	1,602	24,262
1996-97	1,044	756	1,800	20.15	1.18	12.18	21,037	892	21,929
1997-98	1,368	632	2,000	15.70	1.33	11.16	21,478	841	22,319
CALIFORNIA TANGERINES									
1992-93	1,465	635	2,100	15.39	-2.59	9.95	22,546	-1,645	20,901
1993-94	1,600	700	2,300	14.05	-2.14	9.12	22,480	-1,498	20,982
1994-95	1,700	800	2,500	18.92	-2.39	12.10	32,164	-1,912	30,252
1995-96	1,800	800	2,600	13.72	-2.40	8.76	24,696	-1,920	22,776
1996-97	2,120	480	2,600	16.52	-2.36	13.03	35,022	-1,133	33,889
1997-98	1,653	747	2,400	14.72	-2.06	9.50	24,332	-1,539	22,793
ARIZONA TANGERINES									
1992-93	702	248	950	15.19	-2.59	10.55	10,663	-642	10,021
1993-94	808	192	1,000	11.95	-2.36	9.20	9,656	-453	9,203
1994-95	582	68	650	16.12	-2.28	14.20	9,382	-155	9,227
1995-96	766	234	1,000	12.12	-2.40	8.72	9,284	-562	8,722
1996-97	496	54	550	14.82	-2.36	13.13	7,351	-127	7,224
1997-98	482	118	600	13.52	-2.08	10.45	6,517	-245	6,272

¹: 1997-98 preliminary. ²: Combined Robinson, Sunburst, and Dancy varieties; Fallglo variety included beginning in 1993-94.

**OTHER CITRUS, LIMES AND LEMONS: Utilization, season average on-tree price, and value
by types, by states, crop years 1993-94 through 1997-98 ^{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									
1993-94	1,097	2,253	3,350	6.10	0.57	2.38	6,692	1,284	7,976
1994-95	1,106	2,044	3,150	4.60	1.58	2.64	5,088	3,230	8,318
1995-96	1,018	1,432	2,450	5.35	2.40	3.63	5,446	3,437	8,883
1996-97	1,032	2,918	3,950	4.05	1.53	2.19	4,180	4,465	8,645
1997-98	913	1,937	2,850	3.90	0.36	1.49	3,561	697	4,258
FLORIDA K-EARLY CITRUS									
1993-94	160	50	210	2.70	-1.10	1.80	432	-55	377
1994-95	65	55	120	3.40	1.00	2.30	221	55	276
1995-96	62	98	160	5.25	0.40	2.28	326	39	365
1996-97	57	93	150	3.85	-0.10	1.40	219	-9	210
1997-98	30	10	40	-1.90	-0.10	-1.45	-57	-1	-58
FLORIDA LIMES									
1993-94	150	50	200	17.40	-1.39	12.70	2,610	-70	2,540
1994-95	190	40	230	11.10	-3.00	8.65	2,109	-120	1,989
1995-96	240	60	300	10.60	-2.17	8.05	2,544	-130	2,414
1996-97	255	65	320	9.50	-3.19	6.93	2,423	-207	2,216
1997-98	330	110	440	7.50	-2.41	5.02	2,475	-265	2,210
CALIFORNIA LEMONS									
1993-94	9,500	11,200	20,700	16.39	-2.46	6.19	155,705	-27,552	128,153
1994-95	10,900	9,100	20,000	16.22	-2.58	7.67	176,798	-23,478	153,320
1995-96	10,800	10,200	21,000	14.82	-1.76	6.77	160,056	-17,952	142,104
1996-97	11,540	11,060	22,600	17.22	-0.62	8.49	198,719	-6,857	191,862
1997-98	10,330	11,670	22,000	15.12	-1.46	6.33	156,190	-17,038	139,152
ARIZONA LEMONS									
1993-94	2,951	2,249	5,200	12.44	-2.17	6.12	36,710	-4,880	31,830
1994-95	2,413	1,187	3,600	11.32	-2.61	6.73	27,315	-3,098	24,217
1995-96	2,767	2,333	5,100	10.22	-1.76	4.74	28,279	-4,106	24,173
1996-97	1,498	1,102	2,600	13.02	-0.62	7.24	19,504	-683	18,821
1997-98	1,430	1,170	2,600	11.22	-1.44	5.52	16,045	-1,685	14,360

^{1/} 1997-98 preliminary.

**FLORIDA LEMONS: Bearing acreage, production, and season average
on-tree prices for crop years 1993 through 1997**

Crop year ^{1/}	True lemons		Meyer lemons		All lemons			
	Bearing acres	Production	Bearing acres	Production	Bearing acres	Production	Price per box	Value of production
	1,000 acres	1,000 boxes	1,000 acres	1,000 boxes	1,000 acres	1,000 boxes	Dollars	1,000 dollars
1993	0.6	167	0.1	33	0.7	200	10.00	1,998
1994	0.6	188	0.1	32	0.7	220	7.60	1,677
1995	0.6	130	0.1	35	0.7	165	8.25	1,361
1996	0.7	170	0.1	25	0.8	195	10.30	2,006
1997	0.8	80	0.1	40	0.9	120	6.55	787

^{1/} Crop year corresponds to calendar year.

**FLORIDA CITRUS: Monthly and season average on-tree price per
box for crop years 1993-94 through 1997-98 ^{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

1993-94	--	4.83	3.58	3.61	3.72	4.00	3.76
1994-95	3.76	3.10	3.24	3.28	3.40	--	3.25
1995-96	--	3.49	3.49	3.72	3.92	--	3.62
1996-97	--	3.38	3.12	3.17	3.17	--	3.18
1997-98	2.42	1.73	2.28	2.62	3.22	--	2.48

SALES FOR FRESH USE

1993-94	--	9.45	6.05	3.45	3.15	3.55	6.75
1994-95	5.70	3.70	3.90	3.10	3.30	--	4.00
1995-96	--	5.45	4.45	4.45	4.45	--	4.95
1996-97	--	6.30	3.50	2.30	3.60	--	4.50
1997-98	5.50	3.40	3.20	2.40	2.10	--	3.70

SALES FOR PROCESSING

1993-94	--	3.03	3.38	3.61	3.74	4.00	3.56
1994-95	2.83	3.06	3.19	3.29	3.40	--	3.21
1995-96	--	3.27	3.43	3.70	3.90	--	3.54
1996-97	--	2.86	3.10	3.19	3.16	--	3.11
1997-98	0.75	1.62	2.21	2.63	3.24	--	2.41

Crop year	Jan	Feb	Mar	Apr	May	Jun	Season average
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Dollars

LATE (VALENCIA) ORANGES

ALL METHODS OF SALE

1993-94	--	--	3.99	4.57	4.72	4.82	4.61
1994-95	--	3.44	4.35	4.50	4.59	4.55	4.41
1995-96	--	4.16	5.18	5.48	5.78	6.36	5.57
1996-97	--	3.24	4.00	4.15	4.11	4.21	4.07
1997-98	--	4.24	4.73	5.10	5.41	6.00	5.14

SALES FOR FRESH USE

1993-94	--	--	3.95	3.85	3.85	5.75	4.25
1994-95	--	4.20	4.10	3.90	4.30	5.00	4.20
1995-96	--	5.95	5.15	5.95	6.15	10.95	6.45
1996-97	--	4.90	4.20	3.40	4.20	9.30	4.70
1997-98	--	3.20	4.00	3.60	4.20	7.00	4.20

SALES FOR PROCESSING

1993-94	--	--	4.00	4.59	4.75	4.77	4.63
1994-95	--	3.32	4.36	4.52	4.60	4.53	4.42
1995-96	--	3.86	5.18	5.47	5.77	6.07	5.53
1996-97	--	3.12	3.99	4.17	4.11	4.02	4.04
1997-98	--	4.35	4.75	5.15	5.45	5.95	5.17

^{1/} 1997-98 preliminary.

**FLORIDA CITRUS: Monthly and season average on-tree price per box
for crop years 1993-94 through 1997-98 ¹**

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

WHITE SEEDLESS GRAPEFRUIT

ALL METHODS OF SALE

1993-94	6.21	5.36	3.98	3.94	3.40	2.82	2.80	1.85	--	3.23
1994-95	5.18	3.24	2.55	2.95	2.41	2.27	2.23	--	--	2.58
1995-96	4.24	3.04	2.02	2.43	2.17	1.82	1.86	--	--	2.14
1996-97	--	4.64	2.17	1.85	1.32	0.83	0.72	-0.09	--	1.18
1997-98	4.82	1.44	2.28	0.92	0.69	0.23	-0.03	-0.93	--	0.52

SALES FOR FRESH USE

1993-94	8.75	8.75	6.95	7.25	7.25	7.35	7.85	1.85	--	7.55
1994-95	8.05	5.85	6.25	7.15	6.55	6.65	6.35	--	--	6.75
1995-96	6.48	5.68	4.68	5.88	6.18	5.88	5.78	--	--	5.88
1996-97	--	7.53	5.23	4.93	4.13	5.23	6.13	0.63	--	5.23
1997-98	6.68	4.48	6.28	5.98	5.58	5.18	4.98	1.98	--	5.38

SALES FOR PROCESSING

1993-94	0.40	1.15	1.51	1.82	1.83	1.67	1.67	1.85	--	1.69
1994-95	0.31	0.95	1.10	1.38	1.42	1.48	1.49	--	--	1.39
1995-96	0.00	0.00	0.79	0.92	0.93	0.91	0.92	--	--	0.88
1996-97	--	-0.43	-0.21	-0.24	0.01	0.01	-0.23	-0.16	--	-0.10
1997-98	-2.21	-1.76	-1.36	-1.86	-1.21	-1.01	-1.16	-1.26	--	-1.23

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

COLORED SEEDLESS GRAPEFRUIT

ALL METHODS OF SALE

1993-94	8.04	4.66	3.70	3.11	2.83	3.08	2.49	1.09	1.41	3.38
1994-95	4.05	1.71	1.47	1.38	1.30	0.86	0.81	1.05	--	1.66
1995-96	5.01	2.01	1.30	1.17	1.07	1.14	2.28	2.29	--	1.77
1996-97	5.24	2.05	1.93	2.13	1.82	1.59	1.17	0.91	1.42	1.91
1997-98	3.01	1.55	1.42	0.71	0.36	0.23	0.28	0.37	--	0.86

SALES FOR FRESH USE

1993-94	9.70	5.70	4.80	4.00	3.80	4.40	3.50	2.00	2.10	4.70
1994-95	5.75	2.65	2.35	2.45	2.45	2.05	2.25	2.35	--	3.05
1995-96	6.16	3.06	2.06	2.06	1.96	2.06	4.26	4.26	--	2.96
1996-97	6.76	3.06	3.06	3.26	2.86	3.06	2.26	2.06	2.16	3.26
1997-98	4.25	3.15	3.25	2.45	2.45	2.15	2.35	2.35	--	2.85

SALES FOR PROCESSING

1993-94	0.10	0.80	0.94	1.40	1.40	1.45	1.50	0.10	0.35	1.13
1994-95	-1.09	-0.39	-0.17	-0.07	0.00	-0.27	-0.31	0.03	--	-0.23
1995-96	-0.58	-0.58	-0.12	-0.20	-0.08	0.17	0.14	0.33	--	-0.06
1996-97	-0.50	-0.41	-0.10	0.21	0.36	0.41	0.35	0.12	0.40	0.20
1997-98	-2.42	-1.92	-2.07	-1.87	-1.32	-1.07	-1.17	-1.07	--	-1.42

¹ 1997-98 preliminary.

**FLORIDA CITRUS: Monthly and season average on-tree price per box for
crop years 1993-94 through 1997-98 ^{1/}**

Crop year	Apr	May	Jun	Jul	Aug	Sep
Dollars						
LIMES						
ALL METHODS OF SALE						
1993-94	--	--	5.92	9.40	14.43	11.31
1994-95	24.80	4.80	3.35	5.60	10.35	14.95
1995-96	--	21.50	0.11	1.44	11.74	7.12
1996-97	--	--	0.00	1.96	3.31	3.92
1997-98	--	12.50	1.85	5.15	3.15	2.11
SALES FOR FRESH USE						
1993-94	--	--	8.40	13.40	19.40	15.40
1994-95	24.80	4.80	4.80	7.80	14.80	18.80
1995-96	--	21.50	0.50	2.50	16.50	10.50
1996-97	--	--	0.50	3.10	6.20	6.40
1997-98	--	12.50	3.50	8.50	5.50	4.50
SALES FOR PROCESSING						
1993-94	--	--	-2.00	-1.00	-0.50	-0.50
1994-95	--	--	-3.00	-3.00	-3.00	-3.00
1995-96	--	--	-2.00	-2.00	-2.00	-2.00
1996-97	--	--	-3.25	-3.25	-3.25	-3.25
1997-98	--	--	-3.00	-2.00	-2.20	-2.20

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Season average
Dollars							
LIMES							
ALL METHODS OF SALE							
1993-94	11.22	14.05	17.05	17.05	17.05	18.32	12.70
1994-95	10.31	11.48	10.01	10.80	11.80	24.80	8.65
1995-96	8.42	8.48	10.29	12.48	--	--	8.05
1996-97	2.21	5.80	12.00	30.50	36.50	--	6.93
1997-98	1.88	3.80	12.17	12.50	--	--	5.02
SALES FOR FRESH USE							
1993-94	15.40	19.40	23.40	23.40	23.40	23.40	17.40
1994-95	12.80	12.80	12.80	10.80	11.80	24.80	11.10
1995-96	10.50	10.50	12.50	14.50	--	--	10.60
1996-97	4.30	9.10	18.00	30.50	36.50	--	9.50
1997-98	3.50	5.50	16.50	12.50	--	--	7.50
SALES FOR PROCESSING							
1993-94	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-1.39
1994-95	-3.00	-3.00	-3.00	--	--	--	-3.00
1995-96	-2.00	-3.00	-3.00	-3.00	--	--	-2.17
1996-97	-3.00	-3.00	-3.00	--	--	--	-3.19
1997-98	-3.00	-3.00	-3.00	--	--	--	-2.41

^{1/} 1997-98 preliminary.

**FLORIDA CITRUS: Monthly and season average on-tree price per
box for crop years 1993-94 through 1997-98 ^{1/}**

Crop year	Oct	Nov	Dec	Jan	Feb	Season average
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Dollars

TANGELOS

ALL METHODS OF SALE

1993-94	--	4.44	2.99	1.81	1.36	2.38
1994-95	3.05	2.68	2.18	3.14	2.79	2.64
1995-96	--	3.66	3.33	4.03	3.62	3.63
1996-97	--	3.27	2.33	1.80	1.46	2.19
1997-98	0.89	2.17	1.47	1.26	1.65	1.49

SALES FOR FRESH USE

1993-94	--	7.00	5.20	6.50	10.40	6.10
1994-95	5.60	4.30	3.50	7.80	14.80	4.60
1995-96	--	5.65	4.15	8.15	12.15	5.35
1996-97	--	5.15	3.45	4.45	2.65	4.05
1997-98	5.60	5.10	2.90	5.00	8.10	3.90

SALES FOR PROCESSING

1993-94	--	0.20	0.50	0.60	0.65	0.57
1994-95	0.80	1.20	1.20	2.10	2.10	1.58
1995-96	--	1.70	2.50	2.60	3.00	2.40
1996-97	--	1.70	1.70	1.40	1.40	1.53
1997-98	-0.60	-0.60	0.30	0.65	1.20	0.36

Crop year	Sep	Oct	Nov	Dec	Season average	Dec	Jan	Feb	Mar	Apr	Season average
Dollars						Dollars					
K-EARLY CITRUS FRUIT						TEMPLES					
ALL METHODS OF SALE						ALL METHODS OF SALE					
1993-94	--	3.46	0.52	-1.10	1.80	--	4.40	2.22	2.11	2.33	2.73
1994-95	6.04	2.35	1.00	--	2.30	4.35	3.50	3.35	3.50	--	3.47
1995-96	2.94	3.32	1.19	1.15	2.28	--	4.93	3.90	4.78	--	4.44
1996-97	--	2.28	0.35	0.20	1.40	--	5.13	2.51	2.41	--	3.22
1997-98	--	-1.45	--	--	-1.45	--	3.04	2.51	3.32	--	2.84
SALES FOR FRESH USE						SALES FOR FRESH USE					
1993-94	--	4.30	1.10	--	2.70	--	5.95	2.85	3.95	4.45	4.55
1994-95	6.50	2.80	--	--	3.40	6.10	4.60	3.50	4.10	--	4.30
1995-96	5.15	5.55	3.15	--	5.25	--	6.45	4.15	6.45	--	5.55
1996-97	--	4.05	1.65	--	3.85	--	8.60	4.90	5.30	--	7.00
1997-98	--	-1.90	--	--	-1.90	--	5.50	3.00	4.50	--	4.60
SALES FOR PROCESSING						SALES FOR PROCESSING					
1993-94	--	-1.10	-1.10	-1.10	-1.10	--	1.10	1.80	1.85	2.00	1.75
1994-95	1.00	1.00	1.00	--	1.00	2.30	2.80	3.30	3.30	--	3.10
1995-96	-1.10	-0.95	0.95	1.15	0.40	--	3.60	3.80	4.50	--	3.91
1996-97	--	-0.70	0.20	0.20	-0.10	--	2.15	2.00	2.15	--	2.08
1997-98	--	-0.10	--	--	-0.10	--	1.40	2.40	3.10	--	2.25

^{1/} 1997-98 preliminary.

**FLORIDA CITRUS: Monthly and season average on-tree price per box
for crop years 1993-94 through 1997-98 ^{1/}**

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

EARLY TANGERINES ^{2/}

ALL METHODS OF SALE

1993-94	--	24.77	15.07	7.43	4.23	1.20	0.10	9.76
1994-95	18.69	7.23	6.40	11.30	8.76	6.41	--	7.95
1995-96	--	9.57	12.42	11.13	4.78	--	--	10.76
1996-97	--	8.10	7.09	6.37	3.45	-0.02	--	6.28
1997-98	10.23	6.67	7.05	6.50	1.35	-0.51	--	6.71

SALES FOR FRESH USE

1993-94	--	30.20	19.20	9.40	7.50	5.20	--	13.50
1994-95	20.20	9.10	8.60	15.10	12.70	8.70	--	10.40
1995-96	--	12.85	16.35	14.45	13.65	--	--	14.85
1996-97	--	11.05	10.65	9.35	7.15	6.15	--	9.85
1997-98	11.50	9.90	10.50	10.30	9.20	--	--	10.40

SALES FOR PROCESSING

1993-94	--	0.00	0.00	-0.11	0.01	0.10	0.10	-0.02
1994-95	-0.20	0.00	0.06	0.15	-0.45	-0.45	--	0.06
1995-96	--	0.95	1.17	1.48	1.49	--	--	1.29
1996-97	--	0.39	1.06	1.18	0.72	-0.44	--	0.86
1997-98	-0.14	-0.04	-0.02	0.19	0.04	-0.51	--	0.03

Crop year	Dec	Jan	Feb	Mar	Apr	May	Season average
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Dollars

HONEY TANGERINES

ALL METHODS OF SALE

1993-94	--	12.84	7.37	8.51	15.88	--	9.90
1994-95	--	19.62	19.73	19.79	22.54	--	19.76
1995-96	--	17.36	13.00	13.93	18.09	--	15.16
1996-97	--	13.37	10.89	11.14	14.09	11.98	12.18
1997-98	14.50	12.88	8.47	8.72	18.16	--	11.16

SALES FOR FRESH USE

1993-94	--	16.70	9.70	11.20	20.20	--	13.00
1994-95	--	26.70	25.70	26.70	30.70	--	26.50
1995-96	--	23.25	17.25	18.25	25.25	--	20.25
1996-97	--	21.25	19.75	18.25	21.25	21.25	20.15
1997-98	19.20	18.20	12.20	12.20	24.20	--	15.70

SALES FOR PROCESSING

1993-94	--	-0.40	0.70	2.30	2.25	--	1.35
1994-95	--	2.30	2.30	1.70	1.70	--	2.15
1995-96	--	2.90	3.40	3.60	3.63	--	3.33
1996-97	--	0.90	1.10	1.80	0.90	0.40	1.18
1997-98	0.40	0.80	1.40	1.40	2.40	--	1.33

^{1/} 1997-98 preliminary. ^{2/} Robinson, Fallglo, Sunburst, and Dancy varieties.

**FLORIDA CITRUS: Production by counties, areas
and types, 1997-98 season**

County and area	Round oranges			Grapefruit				Specialty fruit	All citrus ^{1/}
	Early and mid	Late (Valencia)	All	Seedless		Seedy	All		
				White	Colored				
1,000 boxes									
County:									
Brevard	1,003	784	1,787	154	437	12	603	100	2,490
Charlotte	2,084	2,491	4,575	85	792	--	877	181	5,633
Collier	4,940	4,814	9,754	244	1,047	--	1,291	268	11,313
DeSoto	15,003	13,956	28,959	195	240	72	507	411	29,877
Glades	1,913	1,034	2,947	7	176	--	183	73	3,203
Hardee	17,076	5,809	22,885	117	253	19	389	407	23,681
Hendry	13,528	13,623	27,151	1,040	2,626	--	3,666	816	31,633
Hernando	410	4	414	--	5	--	5	12	431
Highlands	12,001	16,818	28,819	896	410	113	1,419	1,367	31,605
Hillsborough	8,900	2,363	11,263	104	218	24	346	326	11,935
Indian River	3,942	3,382	7,324	5,167	7,518	16	12,701	412	20,437
Lake	5,333	706	6,039	51	292	10	353	705	7,097
Lee	1,548	1,700	3,248	82	329	--	411	50	3,709
Manatee	6,127	3,069	9,196	211	227	81	519	246	9,961
Marion	290	16	306	1	8	--	9	28	343
Martin	4,840	7,462	12,302	1,184	471	--	1,655	314	14,271
Okeechobee	1,893	1,048	2,941	243	220	--	463	65	3,469
Orange	2,339	783	3,122	7	55	6	68	217	3,407
Osceola	4,207	1,720	5,927	370	362	4	736	270	6,933
Palm Beach	1,521	770	2,291	346	459	--	805	499	3,595
Pasco	4,128	639	4,767	21	43	3	67	87	4,921
Polk	20,637	13,990	34,627	1,681	1,525	214	3,420	2,303	40,350
St. Lucie	5,267	6,564	11,831	5,999	12,658	70	18,727	1,088	31,646
Sarasota	376	282	658	70	156	1	227	27	912
Seminole	322	74	396	--	8	--	8	26	430
Volusia	268	61	329	22	45	2	69	10	408
Other ^{2/}	104	38	142	3	20	3	26	32	200
State total	140,000	104,000	244,000	18,300	30,600	650	49,550	10,340	303,890
Area:									
Indian River District	10,900	12,400	23,300	12,100	21,300	100	33,500	1,719	58,519
Northern	13,089	2,234	15,323	81	424	19	524	1,105	16,952
Central	36,511	32,466	68,977	2,919	2,276	331	5,526	3,913	78,416
Western	47,500	25,500	73,000	700	1,100	200	2,000	1,424	76,424
Southern	32,000	31,400	63,400	2,500	5,500	--	8,000	2,179	73,579
State total	140,000	104,000	244,000	18,300	30,600	650	49,550	10,340	303,890

^{1/} Excludes limes and lemons. ^{2/} Broward, Citrus, Flagler, Pinellas, Putnam, and Sumter counties.

FLORIDA CITRUS: Total acreage by counties and types of fruit as of January 1998

County	Round oranges			Grapefruit				Specialty fruit ^{2'}	All citrus
	Early and mid	Late (Valencia)	All ^{1'}	Seedless		Seedy	All ^{1'}		
				White	Colored				
Acres									
Brevard	4,923	3,154	8,172	480	1,276	26	1,786	757	10,715
Broward	30	34	85	1	10	1	12	2	99
Charlotte	6,430	10,114	16,936	223	2,880	15	3,134	1,452	21,522
Citrus	179	24	203	0	27	0	27	28	258
Collier	13,681	17,117	31,054	724	2,452	1	3,178	1,423	35,655
Dade ^{3'}	0	0	0	0	0	0	0	2,792	2,792
DeSoto	29,282	32,901	63,458	652	647	373	1,690	2,044	67,192
Glades	5,635	4,256	9,952	21	356	0	377	447	10,776
Hardee	34,536	14,305	49,341	237	519	125	885	2,114	52,340
Hendry	35,791	49,671	86,519	2,783	6,063	98	8,962	4,643	100,124
Hernando	964	15	987	1	14	0	15	99	1,101
Highlands	24,710	42,347	67,492	1,830	1,226	641	3,731	4,686	75,909
Hillsborough	18,845	5,781	25,113	194	466	166	831	1,484	27,428
Indian River	14,153	12,807	27,611	15,578	18,025	35	34,254	2,273	64,138
Lake	12,386	2,534	15,359	134	979	46	1,177	4,328	20,864
Lee	4,389	5,624	10,095	254	904	24	1,182	594	11,871
Manatee	12,876	8,490	21,424	439	596	479	1,514	869	23,807
Marion	820	115	946	5	31	0	36	199	1,181
Martin	13,869	24,276	39,776	3,512	1,436	1	5,213	1,450	46,439
Okeechobee	5,868	4,359	10,227	786	689	0	1,475	542	12,244
Orange	5,063	2,374	7,653	31	185	33	249	1,286	9,188
Osceola	8,890	4,158	13,140	783	679	16	1,489	906	15,535
Palm Beach	3,843	2,285	6,213	917	1,234	0	2,151	2,253	10,617
Pasco	8,453	1,832	10,507	60	171	18	249	604	11,360
Pinellas	57	47	104	6	16	18	40	24	168
Polk	44,599	38,579	84,974	3,108	3,428	1,144	7,717	9,766	102,457
Putnam	89	22	112	0	5	0	5	74	191
St. Lucie	19,847	25,778	46,911	18,707	31,249	155	50,789	6,194	103,894
Sarasota	851	845	1,699	111	321	7	439	194	2,332
Seminole	874	209	1,111	0	30	0	30	270	1,411
Volusia	910	257	1,181	64	111	5	180	116	1,477
Other ^{4'}	35	0	35	0	0	0	0	140	175
State total	332,878	314,310	658,390	51,641	76,025	3,427	132,817	54,053	845,260

^{1'} Includes unidentified variety acreage. ^{2'} Temples, tangelos, K-Early Citrus, tangerines, limes, and lemons.
^{3'} Surveyed as of October 1996. ^{4'} Flagler and Sumter counties.

FLORIDA CITRUS: Total trees by counties and types of fruit as of January 1998

County	Round oranges			Grapefruit				Specialty fruit ^{2/}	All citrus
	Early and mid	Late (Valencia)	All ^{1/}	Seedless		Seedy	All ^{1/}		
				White	Colored				
	1,000 trees								
Brevard	526.1	340.1	876.8	42.6	107.2	2.0	152.1	85.4	1,114.3
Broward	2.7	3.7	8.4	0.0	0.8	0.1	0.9	0.2	9.5
Charlotte	883.2	1,577.9	2,515.3	31.5	361.7	1.3	397.0	259.5	3,171.8
Citrus	17.6	2.4	20.0	0.0	3.2	0.0	3.2	3.3	26.5
Collier	2,015.5	2,583.1	4,637.9	87.2	317.4	0.1	404.8	208.3	5,251.0
Dade ^{3/}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	470.9	470.9
DeSoto	3,753.3	4,331.2	8,256.7	69.1	82.2	40.7	193.9	301.8	8,752.4
Glades	827.5	706.9	1,543.1	2.5	59.3	0.0	61.8	78.9	1,683.8
Hardee	3,878.2	1,611.6	5,559.8	21.4	61.2	10.0	93.0	275.9	5,928.7
Hendry	5,490.5	7,816.2	13,475.3	368.8	790.9	9.3	1,171.1	762.1	15,408.5
Hernando	116.3	2.4	119.7	0.1	1.9	0.0	2.0	12.0	133.7
Highlands	3,394.7	5,490.9	8,944.0	178.3	149.6	55.5	387.1	618.2	9,949.3
Hillsborough	1,957.3	614.8	2,631.2	17.5	48.8	13.6	80.9	206.0	2,918.1
Indian River	1,603.9	1,440.8	3,133.1	1,470.4	1,981.1	2.7	3,522.5	290.0	6,945.6
Lake	1,617.6	336.7	2,021.4	13.6	123.4	4.4	143.1	650.5	2,815.0
Lee	583.4	818.1	1,415.4	28.9	111.1	2.0	142.0	91.8	1,649.2
Manatee	1,529.1	1,097.9	2,635.3	38.3	57.4	43.1	138.8	102.4	2,876.5
Marion	99.6	14.3	115.4	0.5	3.4	0.0	3.9	28.6	147.9
Martin	1,862.8	3,493.8	5,578.8	360.7	149.6	0.1	543.1	201.2	6,323.1
Okeechobee	729.1	532.0	1,261.1	79.1	76.5	0.0	155.6	70.9	1,487.6
Orange	615.3	253.7	899.1	2.3	22.6	2.7	27.6	174.4	1,101.1
Osceola	971.3	460.2	1,442.1	80.8	68.1	1.4	151.5	103.0	1,696.6
Palm Beach	534.5	328.8	871.7	91.8	128.6	0.0	220.4	326.1	1,418.2
Pasco	1,094.1	267.0	1,387.9	5.4	17.7	1.5	24.6	76.0	1,488.5
Pinellas	5.2	4.2	9.4	0.5	1.4	1.6	3.5	2.2	15.1
Polk	5,109.9	4,316.1	9,646.7	265.8	320.0	94.1	683.7	1,290.2	11,620.6
Putnam	13.6	3.5	17.2	0.0	0.9	0.0	0.9	13.5	31.6
St. Lucie	2,443.6	3,370.2	5,988.2	1,853.4	3,355.6	12.0	5,300.5	821.0	12,109.7
Sarasota	89.2	94.0	183.4	11.5	36.2	0.6	48.3	22.2	253.9
Seminole	91.1	19.7	114.4	0.0	3.7	0.0	3.7	24.4	142.5
Volusia	95.0	20.7	117.3	5.3	11.9	0.4	17.6	9.5	144.4
Other ^{4/}	4.5	0.0	4.5	0.0	0.0	0.0	0.0	20.1	24.6
State total	41,955.7	41,952.9	85,430.6	5,127.3	8,453.4	299.2	14,079.1	7,600.5	107,110.2

^{1/} Includes unidentified varieties. ^{2/} Temples, tangelos, K-Early Citrus, tangerines, limes, and lemons.
^{3/} Surveyed as of October 1996. ^{4/} Flagler and Sumter counties.

ARIZONA CITRUS: 1996-97 harvested acres.

Type	Central	Western	Total
		Acres	
Valencia oranges	2,500	2,000	4,500
Navel and sweet oranges	4,400	300	4,700
White grapefruit	1,400	200	1,600
Red blush grapefruit	1,800	1,300	3,100
Lemons	1,200	12,700	13,900
Tangerines	3,200	2,100	5,300
Total	14,500	18,600	33,100

CALIFORNIA CITRUS: 1997-98 bearing acres

Type	Total
	Acres
Valencia oranges	73,200
Navel oranges	123,000
Grapefruit	16,800
Lemons	48,700
Tangerines, Tangelos, and Tangors	8,800
Total	270,500

TEXAS CITRUS: Acreage as of January 1, 1995

Type	1 to 3 years of age	4 to 7 years of age	8 to 11 years of age	12 + years of age	Total
Early-mid oranges	2,330	3,130	2,200	660	8,320
Valencia oranges	300	380	290	310	1,280
Rio Star grapefruit	6,970	5,610	3,480	590	16,650
Ruby Red grapefruit	690	1,270	890	980	3,830
Henderson/Ray grapefruit	450	440	1,220	340	2,450
Other grapefruit	30	100	10	30	170
Lemons, limes, tangelos, and tangerines	--	--	--	--	100
All citrus	10,770	10,930	8,090	2,910	32,800

SOURCES: See page 47, Data Sources, Item 4.

BOXES OF FRUIT PER TREE

The Florida Agricultural Statistics Service conducts objective surveys to determine fruit per tree, average sizes, and droppage between August and maturity. These data are used to estimate production per tree for each of four types of citrus fruit, as shown in the following tables.

The estimates of production per tree are based on official end-of-season production estimates and the number of bearing trees indicated by the citrus tree

inventory surveys. The averages of boxes per tree for age groups shown are calculated from estimates of fruit per tree in August, size at maturity, and drop between August and maturity.

Additionally, the boxes are subdivided by production areas. Estimated boxes by types and age groups are weighted averages of the indicated seasons. Small sample sizes in some age/area cells and rounding may contribute to inconsistent averages.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 1993-94 through 1997-98

Fruit type and season	Area	Age of trees					Average, weighted by bearing trees
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	
--- Boxes per tree ---							
EARLY AND MIDSEASON ORANGES: (Includes Navels)							
1993-94	State	1.4	3.2	3.8	4.5	5.2	3.32
	Indian River	1.4	2.3	2.3	2.5	2.6	2.26
	Northern & Central	1.1	2.6	3.9	6.4	6.2	3.13
	Western	1.5	3.8	4.6	5.3	6.6	4.39
	Southern	1.6	3.4	3.8	3.3	4.4	2.94
1994-95	State	1.2	3.1	4.1	4.6	5.2	3.26
	Indian River	0.6	2.3	2.3	2.4	3.6	2.41
	Northern & Central	1.1	3.0	3.9	6.3	5.8	3.01
	Western	2.1	3.7	4.3	5.3	6.3	4.30
	Southern	1.0	3.0	4.9	4.1	4.4	2.91
1995-96	State	1.3	2.9	3.8	4.1	4.9	3.11
	Indian River	0.5	2.3	2.7	2.4	2.7	2.09
	Northern & Central	1.6	2.7	3.7	5.7	6.7	3.17
	Western	1.1	3.6	3.8	4.4	5.6	3.75
	Southern	1.3	2.8	4.2	3.9	3.9	2.88
1996-97	State	1.3	2.8	3.7	5.1	5.3	3.33
	Indian River	1.0	1.5	3.0	3.2	3.1	2.45
	Northern & Central	1.5	2.5	3.4	5.8	6.1	3.09
	Western	0.9	3.5	4.4	6.1	6.5	4.31
	Southern	1.4	2.9	3.4	4.7	4.4	3.05
1997-98	State	1.3	2.7	3.8	4.8	5.3	3.51
	Indian River	0.9	1.3	2.7	3.4	2.7	2.32
	Northern & Central	1.4	3.1	4.2	6.3	7.6	3.97
	Western	1.5	3.6	4.2	5.6	6.1	4.46
	Southern	1.1	1.9	3.4	3.6	3.6	2.65
Average	State	1.30	2.93	3.82	4.65	5.19	3.31
	Indian River	0.85	1.95	2.60	2.87	2.94	2.31
	Northern & Central	1.34	2.81	3.83	6.07	6.45	3.29
	Western	1.43	3.64	4.26	6.39	6.21	4.24
	Southern	1.31	2.76	3.82	3.95	4.12	2.88

**FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and
production areas, 1993-94 through 1997-98**

Fruit type and season	Area	Age of trees					Average, weighted by bearing trees
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	

- - - Boxes per tree - - -

LATE (VALENCIA) ORANGES:

1993-94	State	1.0	2.0	2.7	3.5	4.0	2.28
	Indian River	0.6	1.0	2.5	2.1	2.2	1.61
	Northern & Central	0.7	2.2	3.0	6.3	6.2	3.09
	Western	1.0	2.3	3.5	2.9	4.6	2.72
	Southern	1.2	2.0	2.3	3.0	2.6	1.83
1994-95	State	1.4	2.7	2.5	3.6	4.2	2.56
	Indian River	0.9	1.6	2.2	2.1	3.0	1.98
	Northern & Central	1.4	2.4	2.2	5.4	5.3	2.88
	Western	2.0	3.3	3.1	3.5	4.4	3.21
	Southern	1.2	2.9	2.4	3.3	3.9	2.31
1995-96	State	1.2	2.0	2.5	3.2	4.0	2.26
	Indian River	0.8	1.0	1.8	1.8	2.1	1.47
	Northern & Central	1.2	2.4	3.2	4.6	6.4	3.03
	Western	1.8	2.3	3.1	3.2	4.3	2.81
	Southern	1.0	2.0	2.1	3.1	2.9	1.81
1996-97	State	1.1	2.3	2.5	3.3	4.2	2.41
	Indian River	0.5	1.4	2.7	2.6	2.9	2.00
	Northern & Central	1.2	2.2	2.4	4.0	5.7	2.74
	Western	0.9	3.0	3.0	3.8	4.2	2.93
	Southern	1.2	2.3	2.3	3.0	3.7	2.12
1997-98	State	1.1	2.2	2.6	3.8	4.9	2.69
	Indian River	1.0	1.7	2.1	2.2	3.2	2.14
	Northern & Central	1.1	2.4	3.1	5.1	7.1	3.40
	Western	1.5	3.9	3.1	4.2	4.9	3.59
	Southern	0.9	1.6	2.3	3.5	3.7	2.01
Average	State	1.14	2.23	2.54	3.49	4.26	2.45
	Indian River	0.77	1.39	2.25	2.14	2.67	1.85
	Northern & Central	1.11	2.34	2.80	4.97	6.13	3.03
	Western	1.48	3.03	3.13	3.50	4.47	3.07
	Southern	1.13	2.10	2.28	3.19	3.36	2.02

**FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and
production areas, 1993-94 through 1997-98**

Fruit type and season	Area	Age of trees					Average, weighted by bearing trees
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	

--- Boxes per tree ---

WHITE SEEDLESS GRAPEFRUIT:

1993-94	State	2.2	3.6	4.4	6.6	6.7	5.38
	Indian River	2.1	2.7	3.3	4.9	6.0	4.68
	Northern & Central	1.7	5.2	7.3	11.2	14.2	8.62
	Western	3.4	3.4	16.0	9.1	10.4	8.40
	Southern	3.0	2.8	4.7	8.3	6.1	5.66
1994-95	State	3.2	2.5	5.2	7.1	6.4	5.32
	Indian River	3.0	2.1	5.0	7.3	6.1	5.20
	Northern & Central	2.6	2.2	8.0	8.1	10.2	6.17
	Western	8.9	9.3	12.0	4.0	10.9	8.96
	Southern	4.1	1.6	3.6	6.4	4.8	4.68
1995-96	State	2.0	4.3	3.5	6.3	5.7	4.60
	Indian River	2.1	4.5	3.7	4.6	4.8	4.08
	Northern & Central	1.2	4.4	3.8	13.1	13.8	7.20
	Western	6.1	4.7	2.7	8.3	6.6	6.38
	Southern	1.9	3.5	3.0	7.3	6.0	4.61
1996-97 ^{1/}	State	2.0	4.3	2.9	5.9	5.8	4.55
	Indian River	1.1	4.3	2.8	4.7	5.4	4.32
	Northern & Central	2.3	5.4	4.1	10.3	9.4	6.06
	Western	6.0	3.1	1.6	9.3	7.1	6.16
	Southern	3.3	3.7	1.9	6.9	4.5	4.19
1997-98 ^{2/}	State	1.3	3.3	4.1	6.3	4.2	3.74
	Indian River	0.8	3.2	4.1	6.1	3.9	3.53
	Northern & Central	0.9	3.4	4.7	10.0	9.2	5.59
	Western	6.8	6.8	6.8	8.2	6.1	6.61
	Southern	2.3	3.6	1.8	2.0	3.3	3.04
Average	State	2.24	3.79	4.00	6.47	5.72	4.71
	Indian River	2.01	3.76	3.81	5.52	5.23	4.35
	Northern & Central	1.77	4.04	5.08	10.51	11.38	6.69
	Western	6.11	5.62	4.72	7.60	8.25	7.27
	Southern	2.95	3.42	3.03	6.95	4.95	4.43

^{1/} Excludes 3.0 million boxes of economic abandonment. ^{2/} Excludes 5.0 million boxes of economic abandonment.

**FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and
production areas, 1993-94 through 1997-98**

Fruit type and season	Area	Age of trees					Average, weighted by bearing trees
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	

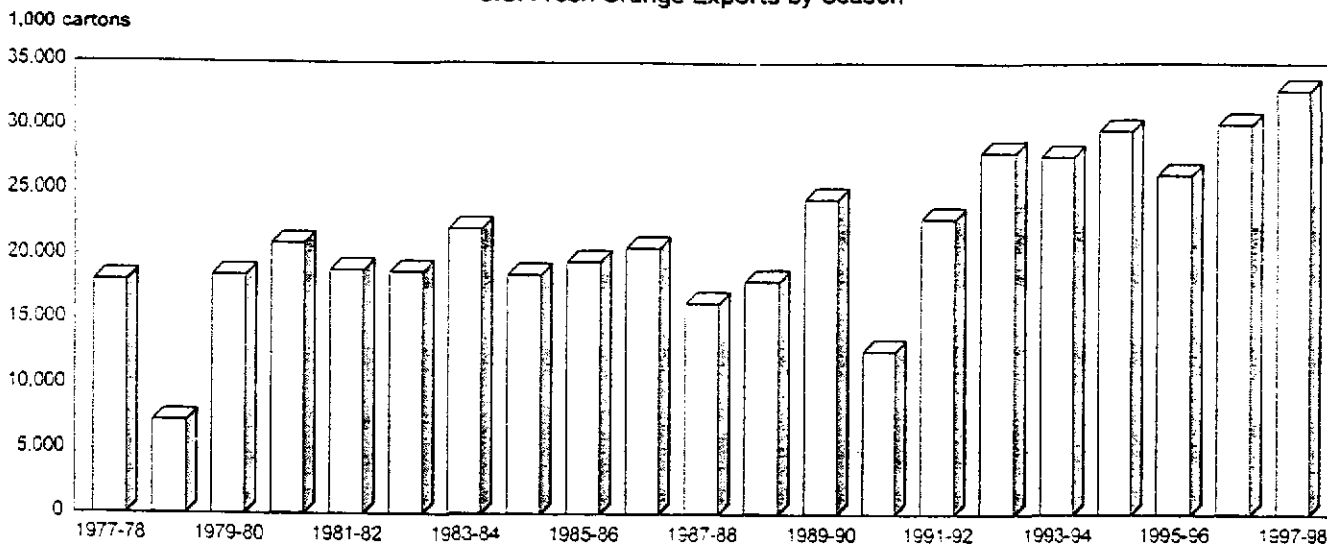
--- Boxes per tree ---

COLORED SEEDLESS GRAPEFRUIT:

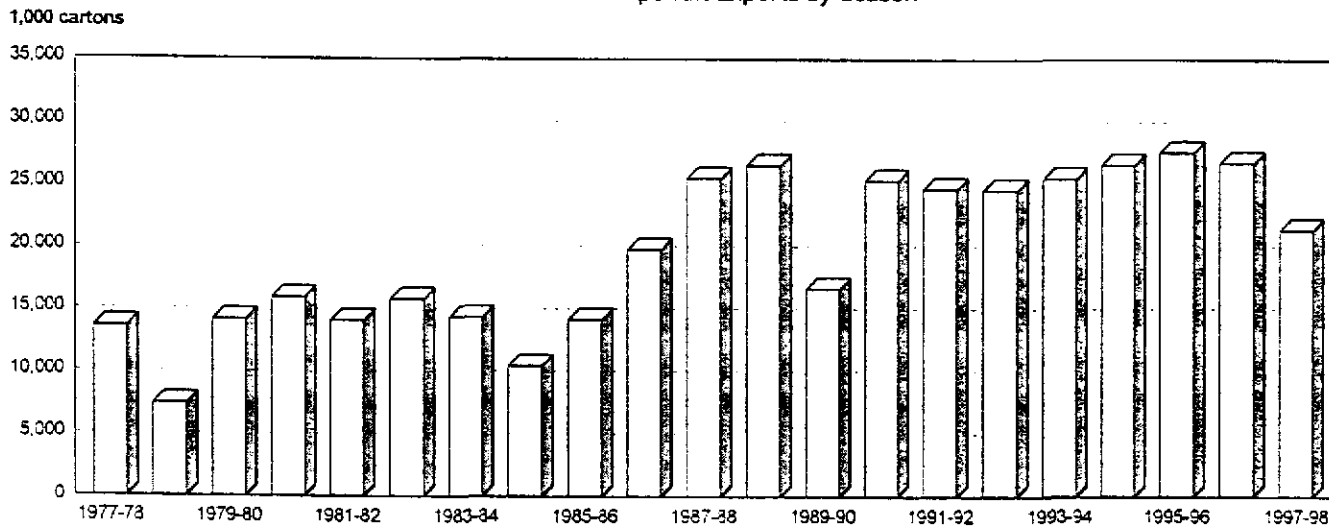
1993-94	State	2.3	3.7	4.6	4.6	5.4	3.88
	Indian River	1.8	2.5	3.7	4.3	4.5	3.36
	Northern & Central	2.1	3.8	3.8	7.6	11.6	4.44
	Western	3.3	6.0	4.4	5.5	10.0	5.42
	Southern	3.7	5.8	10.9	5.7	5.6	5.53
1994-95	State	2.0	3.5	4.9	5.3	5.1	3.81
	Indian River	2.3	3.4	5.0	5.1	4.9	4.05
	Northern & Central	2.4	3.4	7.3	11.2	8.9	4.68
	Western	2.3	3.7	4.7	5.5	8.3	4.25
	Southern	1.4	3.9	3.3	5.3	3.1	2.68
1995-96 ^{1/}	State	2.4	3.2	4.6	3.6	4.9	3.42
	Indian River	2.9	3.0	4.2	3.5	4.5	3.51
	Northern & Central	1.0	2.6	6.7	3.9	7.7	2.90
	Western	1.7	4.0	3.1	3.0	10.6	3.93
	Southern	2.1	4.0	6.2	4.6	4.7	3.26
1996-97 ^{1/}	State	1.5	3.5	4.4	5.2	5.1	3.63
	Indian River	1.6	3.5	4.4	5.3	4.8	3.95
	Northern & Central	0.4	4.5	8.0	8.0	9.8	4.05
	Western	1.6	5.1	4.4	3.4	4.7	3.79
	Southern	1.6	2.4	3.4	3.9	5.0	2.52
1997-98 ^{2/}	State	2.2	2.7	4.1	5.2	5.0	3.69
	Indian River	2.0	3.0	3.8	4.8	5.1	3.81
	Northern & Central	0.8	3.0	5.2	8.6	7.9	3.86
	Western	1.2	4.6	5.9	1.2	6.9	4.18
	Southern	3.4	1.9	4.0	8.3	2.6	3.22
Average	State	2.04	3.25	4.48	4.79	5.11	3.68
	Indian River	2.12	3.15	4.21	4.62	4.80	3.74
	Northern & Central	1.30	3.39	6.11	7.83	9.18	3.92
	Western	2.12	4.57	4.81	3.80	8.14	4.28
	Southern	2.18	3.20	4.97	5.43	4.18	3.26

^{1/} Excludes 3.0 million boxes of economic abandonment. ^{2/} Excludes 1.0 million boxes of economic abandonment.

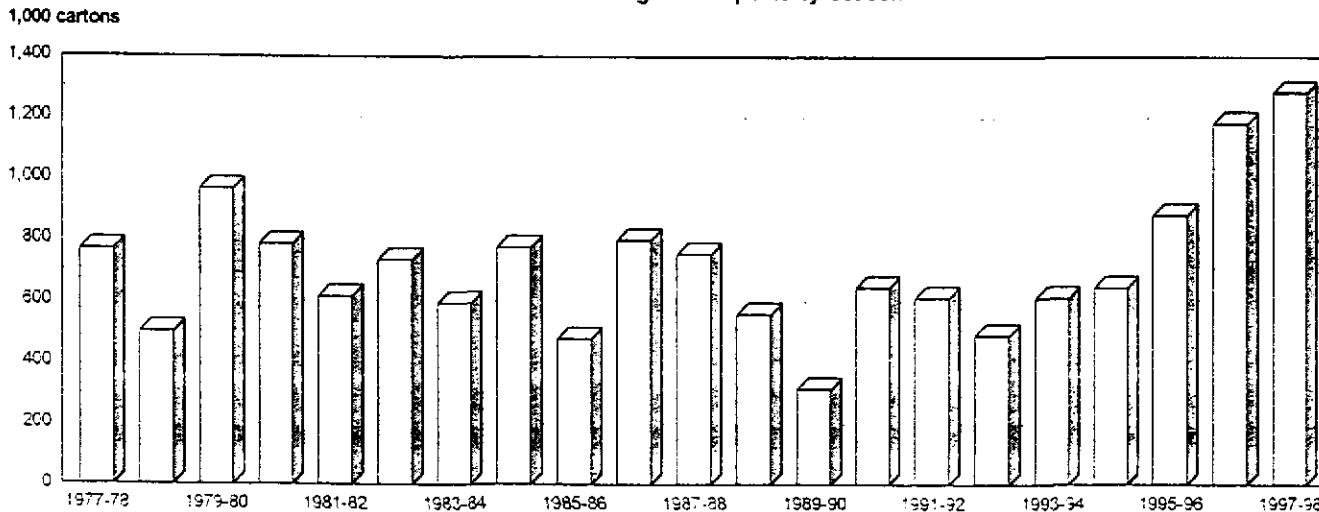
U.S. Fresh Orange Exports by Season



U. S. Fresh Grapefruit Exports by Season



U. S. Fresh Tangerine Exports by Season



CITRUS: U.S. fresh exports, by months, 1997-98

Crop year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1,000 cartons													
ORANGES ^{1/}													
Canada	395	799	826	1,380	1,411	1,670	1,258	1,118	706	345	303	242	10,453
Hong Kong	532	399	860	663	660	1,061	1,288	948	1,065	471	433	539	8,919
Japan	72	297	199	442	499	1,229	1,073	1,230	665	412	275	117	6,510
Taiwan	9	7	1	8	27	267	237	167	247	257	123	56	1,406
Republic of Korea	19	4	32	84	79	373	243	279	113	75	31	29	1,361
Singapore	39	24	55	54	54	156	138	139	149	78	63	75	1,024
Malaysia	3	10	30	39	85	196	156	172	197	78	44	14	1,024
Australia	0	48	122	132	97	140	36	0	0	0	0	0	575
New Zealand	0	38	49	59	51	76	84	31	8	1	0	0	397
Mexico	18	16	13	13	13	20	19	13	19	40	46	60	290
Philippines	0	4	13	12	20	32	38	45	45	24	1	1	235
Russian Federation	9	26	39	12	13	35	26	48	5	14	6	1	234
Peoples Republic of China	0	1	0	0	0	2	0	9	116	24	6	4	162
Ecuador	0	1	0	3	1	9	11	6	1	3	0	1	36
Others	6	16	25	37	29	69	39	20	21	20	3	5	290
Total	1,102	1,690	2,264	2,938	3,039	5,335	4,646	4,225	3,357	1,842	1,334	1,144	32,916
GRAPEFRUIT													
Japan	302	616	810	974	1,733	2,382	1,234	462	478	315	118	20	9,442
Canada	410	410	252	316	248	304	270	244	162	96	108	124	2,944
France	443	296	362	504	413	334	300	68	0	0	0	0	2,720
Netherlands	271	287	207	372	207	181	141	50	0	0	0	6	1,722
United Kingdom	177	150	81	207	187	192	104	5	0	0	0	0	1,103
Belgium-Luxembourg	104	165	69	155	253	149	155	7	0	0	0	0	1,057
Taiwan	0	2	3	17	43	200	301	127	30	125	89	3	940
Germany	30	133	113	249	153	56	31	1	1	0	0	0	767
Hong Kong	21	21	18	5	17	21	26	11	7	9	5	3	164
Switzerland	12	9	2	10	12	7	4	4	0	0	0	0	60
Sweden	3	9	10	23	4	2	8	0	0	0	0	0	59
Finland	0	1	10	22	9	14	2	0	0	0	0	0	58
Republic of Korea	8	3	6	1	3	7	17	3	0	6	3	1	58
Others	25	32	47	33	30	31	13	19	12	2	5	4	253
Total	1,806	2,134	1,990	2,888	3,312	3,880	2,606	1,001	688	553	328	161	21,347
TANGERINES													
Canada	42	154	113	123	99	102	47	8	0	1	0	0	689
Republic of Korea	0	17	2	0	0	136	149	108	0	0	0	0	412
Japan	2	1	0	0	5	22	9	0	0	0	2	0	41
Australia	0	9	13	9	2	2	3	0	0	0	0	0	38
Russian Federation	0	6	11	1	2	0	2	0	0	0	0	0	22
Germany	0	0	0	0	5	15	1	0	0	0	0	0	21
United Kingdom	0	0	0	2	7	11	0	0	0	0	0	0	20
Others	1	3	7	4	12	3	5	4	0	0	1	0	40
Total	45	190	146	139	132	291	216	120	0	1	3	0	1,283

^{1/} Includes Temples.

SOURCE: See Page 47 Data Sources, Item 5.

FLORIDA CITRUS: Certified citrus exports by weeks, crop year 1997-98

Week ended	Oranges		Seedless Grapefruit		Temples	Tangelos 1/	Tan- gerines	Total exports
	Navel	Other	White	Colored				
1,000 cartons								
Sep	7	1	1	2	1	--	--	5
	14	1	5	21	12	--	--	39
	21	4	7	47	86	--	--	148
	28	2	15	30	253	--	--	305
Oct	5	1	11	24	253	--	--	293
	12	12	24	60	404	--	--	504
	19	25	19	72	389	--	--	511
	26	13	13	91	300	--	--	424
Nov	2	12	12	122	309	--	--	469
	9	13	22	78	314	--	--	447
	16	22	14	194	500	--	1	764
	23	66	12	169	464	--	3	734
	30	88	14	80	419	--	5	625
Dec	7	49	11	121	372	--	3	586
	14	28	9	182	373	--	1	619
	21	16	10	251	362	--	1	647
	28	7	7	117	294	--	--	430
Jan	4	10	16	150	374	6	1	570
	11	18	25	297	573	3	1	931
	18	25	19	220	637	4	2	927
	25	13	16	272	661	2	2	976
Feb	1	11	20	320	580	1	3	943
	8	3	16	314	498	7	--	847
	15	5	15	342	421	5	--	799
	22	2	24	352	429	4	--	830
Mar	1	1	39	556	556	3	--	1,172
	8	--	43	509	552	1	--	1,123
	15	--	45	417	545	2	--	1,028
	22	--	70	406	451	2	--	945
	29	--	74	411	548	1	--	1,050
Apr	5	--	78	278	596	--	--	964
	12	--	74	277	495	--	--	855
	19	--	44	266	456	--	--	772
	26	--	31	163	348	1	--	547
May	3	--	25	92	220	--	--	339
	10	--	32	101	128	--	--	262
	17	--	20	54	78	--	--	152
	24	--	19	8	66	--	--	93
	31	--	15	16	35	--	--	66
Jun	7	--	15	4	7	--	--	26
	14	--	10	4	1	--	--	15
	21	--	1	--	--	--	--	1
	30	--	--	--	--	--	--	--
Jul	5	--	--	--	--	--	--	--
	12	--	1	1	1	--	--	3
	19	--	--	--	--	--	--	--
	31	--	--	1	--	--	--	1
Total	448	993	7,492	14,361	42	23	428	23,787

1/ Includes K-Early citrus fruit.

SOURCE: See Page 47 Data Sources, Item 6.

FLORIDA CITRUS: Certified citrus exports, crop years 1988-89 through 1997-98 ^{1/}

Crop year	Oranges			Grapefruit			Specialty fruit ^{2/}			Grand Total
	Commer- cial	Govern- ment	Total	Commer- cial	Govern- ment	Total	Commer- cial	Govern- ment	Total	
1,000 cartons										
1988-89	154	--	154	23,566	1	23,567	31	--	31	23,752
1989-90	686	--	686	11,419	--	11,419	197	--	197	12,302
1990-91	2,335	--	2,335	22,969	--	22,969	335	2	337	25,641
1991-92	1,674	1	1,675	21,619	1	21,620	440	--	440	23,735
1992-93	1,684	--	1,684	21,236	6	21,292	400	--	400	23,376
1993-94	1,591	--	1,591	23,568	4	23,572	493	--	493	25,656
1994-95	2,080	1	2,081	22,835	14	22,849	448	1	449	25,379
1995-96	1,781	1	1,782	25,304	--	25,304	534	--	534	27,620
1996-97	1,737	--	1,737	25,585	--	25,585	525	--	525	27,847
1997-98	1,441	--	1,441	21,853	--	21,853	493	--	493	23,787

^{1/} Canada and Mexico included in export beginning 1989-90. ^{2/} Includes Temples, tangelos, tangerines, and K-Early Citrus Fruit.

SOURCE: See Page 47, Data Sources, Item 6.

FLORIDA CITRUS: Fresh exports, 1996-97 and 1997-98 crop years

Destination	Grapefruit		Oranges ^{1/}		Tangerines		Total	
	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98
1,000 cartons								
Japan	11,045	9,309	22	22	--	--	11,067	9,331
Canada	3,042	2,829	1,369	1,170	376	364	4,787	4,363
Holland	4,385	4,287	39	14	--	--	4,424	4,301
France	2,679	2,508	--	--	--	--	2,679	2,508
Taiwan	1,482	748	334	264	5	14	1,821	1,026
United Kingdom	807	953	11	8	7	--	825	961
Belgium	1,383	796	6	5	--	2	1,389	803
Germany	82	112	--	--	--	--	82	112
Finland	58	72	--	--	--	--	58	72
Sweden	86	68	--	--	--	--	86	68
Puerto Rico	6	7	9	9	45	46	60	62
Denmark	45	42	--	--	--	--	45	42
Singapore	50	31	10	7	3	--	63	38
Hong Kong	42	35	--	--	--	--	42	35
South Korea	347	25	--	--	--	--	347	25
Malaysia	9	6	2	1	3	--	14	7
Norway	9	7	--	--	--	--	9	7
Uruguay	5	7	--	--	--	--	5	7
Bermuda	3	4	1	1	2	2	6	7
Brazil	3	2	--	--	--	--	3	2
Indonesia	--	--	2	2	2	--	4	2
Colombia	--	--	2	2	1	--	3	2
Thailand	5	2	--	--	--	--	5	2
Iceland	2	1	1	--	--	--	3	1
Italy	--	1	1	--	--	--	1	1
Barbados	--	--	--	1	--	--	--	1
Saudi Arabia	1	1	--	--	--	--	1	1
Peru	2	--	7	--	2	--	11	--
Haiti	3	--	--	--	--	--	3	--
Hungary	2	--	--	--	--	--	2	--
Aruba	1	--	--	--	--	--	1	--
Kenya	1	--	--	--	--	--	1	--
Total	25,585	21,853	1,816	1,506	446	428	27,847	23,787

^{1/} Includes Temples, tangelos, and K-Early Citrus Fruit.

SOURCE: See Page 47, Data Sources, Item 6.

FLORIDA CITRUS: Boxes of fruit processed by weeks, crop years 1996-97 and 1997-98 ^{1/}

Week ended	Oranges		Grapefruit ^{2/}		Templets		
	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98	
			1,000 boxes				
Aug	31	--	--	5	--	--	--
Sep	7	--	--	14	--	--	--
	14	--	--	--	1	--	--
	21	--	39	--	22	--	--
	29	22	72	10	68	--	--
Oct	5	52	68	80	38	--	--
	12	53	140	112	62	--	--
	19	100	408	109	94	--	--
	26	219	896	162	183	--	--
Nov	2	480	2,013	248	220	--	--
	9	1,947	3,486	342	316	--	--
	16	3,251	5,149	282	357	--	--
	23	6,383	7,828	274	222	--	--
	30	4,887	6,321	216	331	--	--
Dec	7	8,368	8,669	329	425	--	--
	14	9,509	7,975	462	397	--	2
	21	9,759	8,785	557	457	2	4
	28	6,490	5,516	216	270	4	1
Jan	4	9,843	10,277	537	403	18	24
	11	9,351	9,306	694	636	34	44
	18	8,987	9,898	598	613	41	95
	25	10,164	8,842	730	749	111	123
Feb	1	10,494	10,183	778	839	151	183
	8	9,818	8,565	869	1,098	168	212
	15	8,622	8,081	920	1,166	257	273
	22	6,397	5,278	1,243	1,141	243	175
Mar	1	5,003	6,050	1,614	1,686	229	219
	8	3,330	5,071	2,205	2,037	182	148
	15	3,220	6,358	3,054	2,115	152	82
	22	4,237	6,498	2,471	1,595	126	58
	29	4,889	7,996	2,289	1,758	70	28
Apr	5	6,928	7,872	2,402	1,779	26	8
	12	6,773	7,311	1,821	1,517	13	2
	19	6,419	8,134	1,133	1,359	11	1
	26	7,191	8,244	1,195	1,140	2	2
May	3	7,572	7,985	1,288	804	--	--
	10	7,387	7,310	1,002	691	2	--
	17	5,790	6,393	733	594	--	--
	24	5,936	5,614	577	579	--	--
	31	4,530	4,094	349	314	--	--
Jun	7	3,700	3,709	198	136	--	--
	14	2,475	2,857	110	21	--	--
	21	2,652	1,760	91	11	--	--
	28	1,635	1,198	64	14	--	--
Jul	5	283	226	29	11	--	--
	12	34	223	30	13	--	--
	19	8	25	7	8	--	--
	31	89	45	25	13	--	--
Remainder		227	1	33	--	3	--
Total		215,504	232,769	32,563	28,345	1,845	1,684

^{1/} 1997-98 Preliminary. ^{2/} Total includes non-certified seedy grapefruit.

SOURCE: See Page 47, Data Sources, Item 6.

FLORIDA CITRUS: Boxes of fruit processed by weeks, crop years 1996-97 and 1997-98 ^{1/}

Week ended	Tangelos		Early Tangerines ^{2/}		Honey Tangerines		K-Early		
	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98	
1,000 boxes									
Aug	31	--	--	--	--	--	--	--	--
Sep	7	--	--	--	--	--	--	--	--
	14	--	--	--	--	--	--	--	--
	21	--	--	--	10	--	--	--	--
	30	--	--	--	11	--	--	1	1
Oct	5	--	--	15	8	--	--	6	1
	12	--	1	13	36	--	--	7	1
	19	4	1	55	54	--	--	6	1
	26	26	25	70	79	--	--	8	1
Nov	2	30	58	96	76	--	--	4	2
	9	61	57	134	79	--	--	6	1
	16	60	53	139	70	--	--	17	1
	23	87	62	118	112	--	--	16	--
	30	59	74	74	79	--	--	5	1
Dec	7	136	120	102	70	--	--	13	--
	14	207	128	117	100	--	--	2	--
	21	316	161	202	115	--	--	--	--
	28	172	72	96	36	--	3	--	--
Jan	4	331	253	134	80	6	14	1	--
	11	338	240	109	34	17	51	--	--
	18	326	237	107	20	27	50	1	--
	25	300	145	90	20	84	34	--	--
Feb	1	202	132	26	15	80	30	--	--
	8	133	60	46	13	60	26	--	--
	15	68	42	24	12	76	40	--	--
	22	34	10	12	3	53	45	--	--
Mar	1	20	5	5	6	49	70	--	--
	8	6	1	2	--	54	58	--	--
	15	1	--	--	--	66	48	--	--
	22	--	--	--	--	50	39	--	--
29	1	--	--	--	27	40	--	--	
Apr	5	--	--	1	--	32	33	--	--
	12	--	--	--	--	23	20	--	--
	19	--	--	--	--	11	14	--	--
	26	--	--	--	2	13	7	--	--
May	3	--	--	--	--	8	3	--	--
	10	--	--	--	--	17	3	--	--
	17	--	--	--	--	3	2	--	--
	24	--	--	--	--	--	1	--	--
31	--	--	--	--	--	1	--	--	
Jun	7	--	--	--	--	--	--	--	--
	14	--	--	--	--	--	--	--	--
	21	--	--	--	--	--	--	--	--
	30	--	--	--	--	--	--	--	--
Jul	5	--	--	--	--	--	--	--	--
	12	--	--	--	--	--	--	--	--
	19	--	--	--	--	--	--	--	--
	31	--	--	--	--	--	--	--	--
Remainder	--	--	--	--	--	--	--	--	
Total	2,918	1,937	1,787	1,140	756	632	93	10	

^{1/} 1997-98 Preliminary. ^{2/}Robinson, Fallglo, Sunburst, and Dancy varieties.

SOURCE: See page 47, Data Sources, Item 6.

**FLORIDA CITRUS: Distribution of recorded utilization, by types,
by months, crop years 1993-94 through 1997-98**

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Percent													
FRESH ORANGE SHIPMENTS													
1993-94	--	--	27	25	10	7	10	8	7	6	--	--	100
1994-95	--	11	17	23	11	9	10	9	8	2	--	--	100
1995-96	--	--	30	23	9	8	9	8	8	5	--	--	100
1996-97	--	--	29	22	12	8	7	9	9	4	--	--	100
1997-98	--	18	14	23	10	7	8	9	7	4	--	--	100
PROCESSED ORANGE USAGE													
1993-94	--	--	4	18	20	15	7	14	15	7	--	--	100
1994-95	--	1	12	18	18	11	13	14	11	2	--	--	100
1995-96	--	--	14	19	19	8	8	14	14	4	--	--	100
1996-97	--	--	8	18	21	15	6	14	13	5	--	--	100
1997-98	--	2	10	15	19	13	11	15	11	4	--	--	100
FRESH GRAPEFRUIT SHIPMENTS													
1993-94	--	10	11	12	14	15	18	13	5	2	--	--	100
1994-95	3	11	11	13	17	17	16	9	3	--	--	--	100
1995-96	--	12	13	11	15	18	18	11	2	--	--	--	100
1996-97	--	8	13	11	16	17	15	12	6	2	--	--	100
1997-98	--	14	11	13	15	14	16	12	5	--	--	--	100
PROCESSED GRAPEFRUIT USAGE													
1993-94	--	2	3	6	9	17	33	22	7	1	--	--	100
1994-95	--	3	4	8	16	26	29	12	2	--	--	--	100
1995-96	--	2	5	7	13	24	32	15	2	--	--	--	100
1996-97	--	2	4	5	10	14	31	22	11	1	--	--	100
1997-98	--	3	4	6	11	18	29	20	9	--	--	--	100
FRESH TANGERINE SHIPMENTS													
1993-94	--	5	17	25	20	14	14	5	--	--	--	--	100
1994-95	3	20	32	12	15	10	7	1	--	--	--	--	100
1995-96	--	13	24	25	14	10	10	4	--	--	--	--	100
1996-97	--	15	22	27	17	7	7	4	1	--	--	--	100
1997-98	6	15	21	18	12	10	12	6	--	--	--	--	100
FRESH TANGELO SHIPMENTS													
1993-94	--	--	21	51	24	4	--	--	--	--	--	--	100
1994-95	--	5	30	48	16	1	--	--	--	--	--	--	100
1995-96	--	--	28	53	18	1	--	--	--	--	--	--	100
1996-97	--	--	26	53	20	1	--	--	--	--	--	--	100
1997-98	--	3	25	55	16	1	--	--	--	--	--	--	100
FRESH TEMPLE SHIPMENTS													
1993-94	--	--	--	--	48	36	14	2	--	--	--	--	100
1994-95	--	--	--	7	51	37	5	--	--	--	--	--	100
1995-96	--	--	--	--	54	38	8	--	--	--	--	--	100
1996-97	--	--	--	--	56	34	10	--	--	--	--	--	100
1997-98	--	--	--	--	56	33	11	--	--	--	--	--	100

CITRUS: Per capita consumption, United States, 1987-88 through 1996-97

Crop Year	Fresh fruit						Juices		
	Oranges & Temples	Grapefruit	Tangerines & Tangelos	Lemons	Limes	Total ^{1/}	Orange	Other	Total
	Pounds						Gallons, single strength equivalent		
1987-88	13.90	6.69	1.77	2.47	0.56	25.39	4.99	0.47	5.46
1988-89	12.17	6.60	1.71	2.39	0.69	23.56	5.09	0.71	5.80
1989-90	12.38	4.43	1.31	2.60	0.66	21.37	4.25	0.78	5.03
1990-91	8.46	5.87	1.38	2.60	0.75	19.07	4.65	0.56	5.21
1991-92	12.91	5.95	1.94	2.54	1.03	24.36	4.29	0.53	4.82
1992-93	14.25	6.24	1.87	2.65	0.96	25.97	5.19	0.77	5.96
1993-94	13.06	6.13	2.11	2.68	0.98	24.96	5.06	0.73	5.79
1994-95	11.97	6.07	2.01	2.87	1.20	24.12	5.38	0.78	6.16
1995-96	12.77	5.93	2.19	2.90	1.16	24.95	5.27	0.87	6.14
1996-97 ^{2/}	14.07	6.26	2.52	2.79	1.17	26.81	5.38	0.80	6.18

^{1/} Some figures may not add due to rounding. ^{2/} Preliminary for fresh fruit.

SOURCE: See Page 47, Data Sources, Item 9.

FLORIDA CITRUS: Frozen concentrated orange juice yields at 42.0 degrees Brix for crop years 1978-79 through 1997-98

Crop year	All orange	Early-midseason	Late
Gallons per box			
1978-79	1.45540	1.42121	1.49803
1979-80	1.44931	1.41357	1.49639
1980-81 ^{1/}	1.25736	1.25888	1.25479
1981-82 ^{1/}	1.27730	1.31576	1.21496
1982-83	1.48305	1.41625	1.55933
1983-84 ^{1/}	1.28931	1.23692	1.39011
1984-85 ^{1/}	1.37578	1.39083	1.35988
1985-86	1.37834	1.35822	1.40629
1986-87	1.50827	1.44643	1.59621
1987-88	1.55342	1.48982	1.64573
1988-89	1.53625	1.47532	1.62816
1989-90 ^{1/}	1.22604	1.23446	1.20566
1990-91	1.45383	1.39285	1.55915
1991-92	1.54818	1.46846	1.69608
1992-93	1.57893	1.52480	1.68686
1993-94	1.56760	1.52073	1.65942
1994-95	1.49644	1.44400	1.58230
1995-96	1.52252	1.44775	1.66979
1996-97	1.57174	1.52360	1.67701
1997-98	1.57731	1.49255	1.71525

^{1/} Freeze year.

SOURCE: See page 47, Data Sources, Item 3.

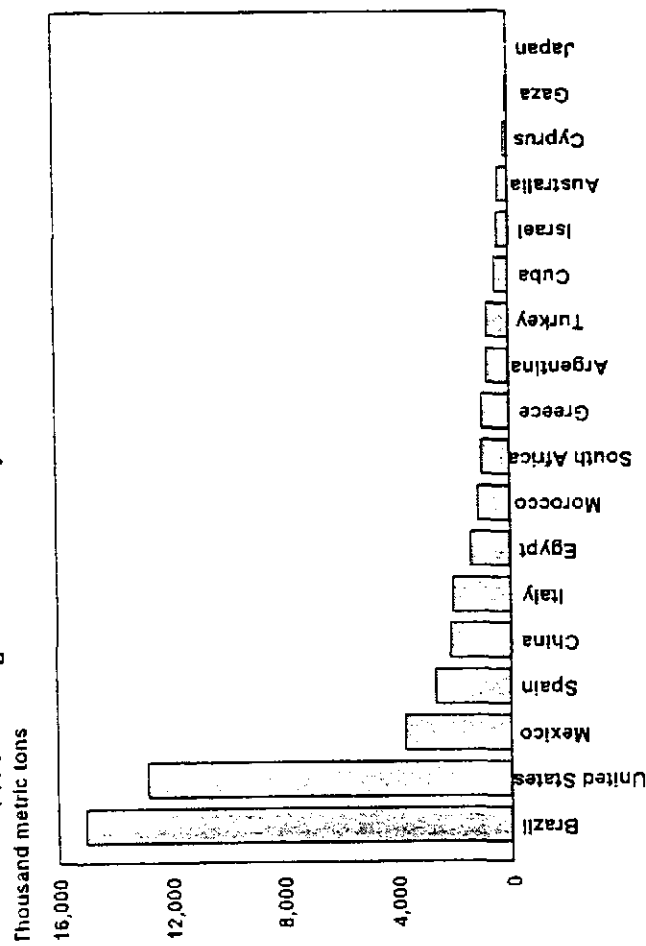
**CITRUS FRUIT: Production, by selected countries, principal types,
crop years 1993-94 through 1997-98 ^{1/}**

Country	Crop years ^{2/}				
	1993-94	1994-95	1995-96	1996-97	1997-98
	1,000 metric tons ^{3/}				
ORANGES					
Brazil	13,710	16,520	16,973	18,972	15,014
United States ^{4/}	9,462	10,474	10,454	11,598	12,829
Mexico	3,174	3,570	3,590	3,500	3,700
Spain	2,509	2,697	2,573	2,145	2,614
China	1,575	1,633	1,727	1,850	2,086
Italy	2,100	1,800	1,800	2,100	2,000
Egypt	1,324	1,513	1,555	1,613	1,370
Morocco	916	657	1,013	774	1,120
South Africa ^{5/}	739	770	930	970	970
Greece	854	926	838	946	960
Argentina	746	712	703	841	770
Turkey	840	920	842	800	750
Cuba	350	350	283	482	480
Israel	365	405	440	367	400
Australia	651	416	589	559	369
Cyprus	160	166	170	165	150
Gaza ^{6/}	87	87	73	73	73
Total	39,562	43,616	44,553	47,755	45,655
GRAPEFRUIT					
United States	2,414	2,642	2,466	2,620	2,485
Israel	344	415	385	405	352
Cuba	232	230	350	296	300
Mexico	112	160	245	230	245
Argentina	195	208	216	229	230
South Africa	145	154	172	177	177
Cyprus	112	95	108	90	80
Turkey	48	60	65	65	55
Total	3,602	3,964	4,007	4,112	3,924
TANGERINES					
China	4,265	4,423	5,509	5,730	6,250
Spain ^{7/}	1,631	1,784	1,686	1,600	1,850
Japan ^{8/}	1,751	1,539	1,626	1,428	1,773
Brazil ^{9/}	620	560	560	670	753
South Korea	619	549	638	507	651
Italy	509	468	473	500	540
Egypt	205	250	256	448	455
United States ^{9/}	425	389	416	540	440
Morocco ^{10/}	373	304	389	384	420
Turkey	405	430	453	450	360
Argentina	394	346	336	410	300
Mexico	165	192	265	260	270
Israel	85	117	125	110	120
Greece	71	84	72	79	84
Total	11,518	11,435	12,804	13,116	14,266
LEMONS					
Argentina	653	741	720	871	980
United States	893	814	900	779	848
Spain	611	545	457	508	644
Italy	743	565	699	714	600
Turkey	440	470	418	380	250
Greece	137	137	133	148	150
Brazil ^{11/}	63	67	70	73	75
South Africa	59	63	71	74	74
Total	3,599	3,402	3,468	3,547	3,621

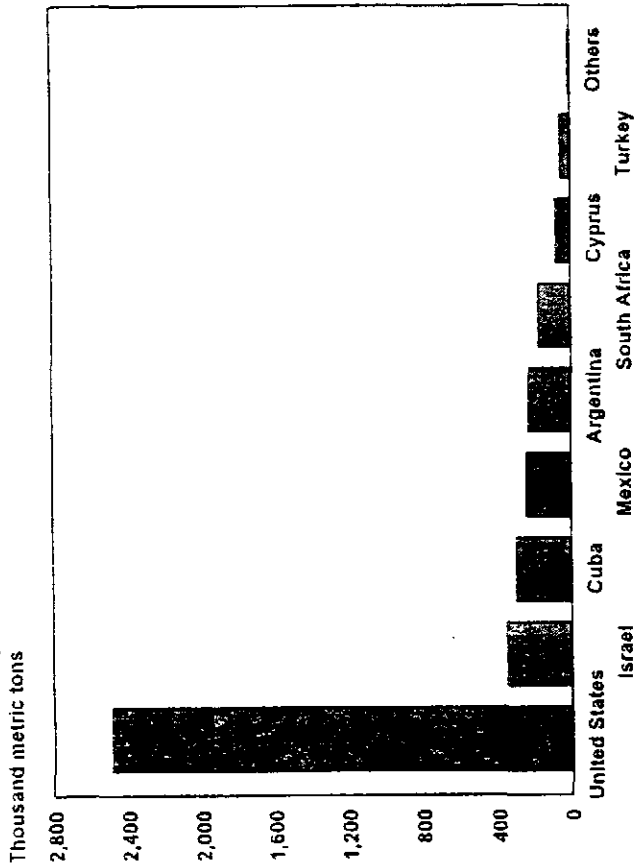
^{1/} Forecast. ^{2/} Crop years refers to harvest and marketing period, which usually begins in the fall and extends to the spring. This corresponds roughly to October-June in the Northern Hemisphere and April-December in the Southern Hemisphere. For the Southern Hemisphere, harvest occurs almost entirely during the second year shown. The harvest of lemons usually begins earlier and often extends throughout the year. ^{3/} One metric ton is equivalent to 2,204.6 pounds. ^{4/} Includes Temples. ^{5/} Includes small quantities of tangerines. ^{6/} Tangerine production is small and included with oranges. ^{7/} Mainly satsumas (also called mandarin or unshu mikan, but also including mandarin hybrids. ^{8/} 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. ^{9/} Includes tangelos, which account for about half of the combined tangerine and tangelo production. ^{10/} Clementines only. ^{11/} State of Sao Paulo only.

SOURCE: See Page 47, Data Sources, Item 5.

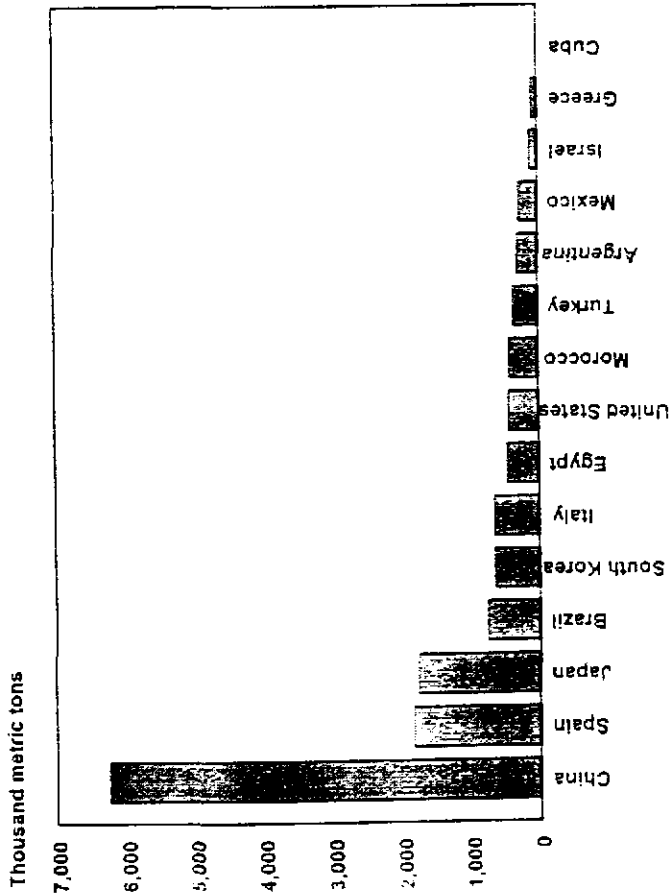
Fresh Orange Production by Selected Countries, 1997-98



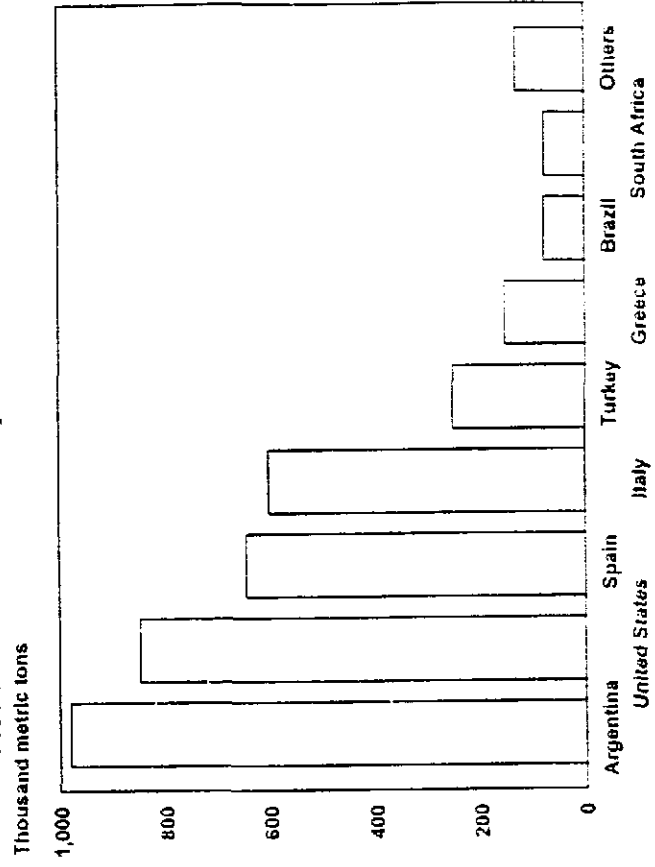
Fresh Grapefruit Production by Selected Countries, 1997-98



Fresh Tangerine Production by Selected Countries, 1997-98



Fresh Lemon Production by Selected Countries, 1997-98



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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.

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<http://www.floridajuice.com>
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Hume, H. Harold, The Cultivation of Citrus Fruits
(New York: The Macmillan Co., 1926) - Data for
1898-99 through 1908-09

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U.S. Citrus Production Areas

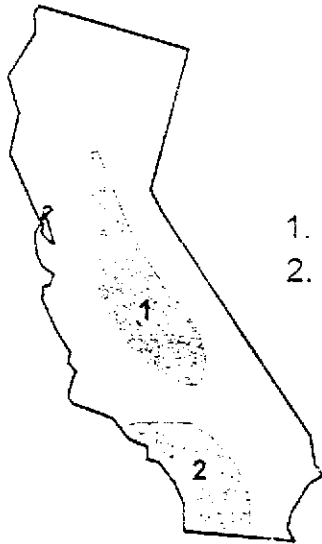
Arizona

- 1. Western 18,600 acres
- 2. Central 14,500 acres
- Total 33,100 acres**



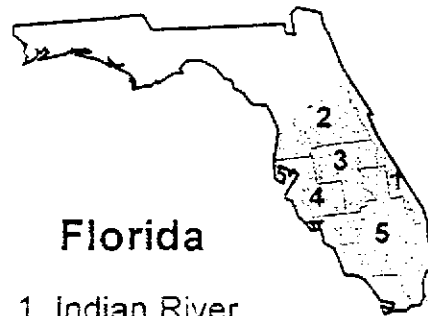
California

- 1. San Joaquin Valley
- 2. Southern California
- Area figures unavailable.*
- Total 270,500 acres**



Florida

- 1. Indian River 191,487 acres
- 2. Northern 46,434 acres
- 3. Central 191,743 acres
- 4. Western 173,267 acres
- 5. Southern 242,329 acres
- Total 845,260 acres**



Texas

- 1. Lower Rio Grande Valley 32,800 acres

