



Florida Citrus Statistics 2022-2023



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Acknowledgment

The acreage, production, utilization, season 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's National Agricultural Statistics Service, Southern Region, Florida Field Office. Appropriate references appear when data are from other sources. Chilled and frozen pack statistics were compiled by the Florida Department of Citrus. Records of the Division of Fruit and Vegetables are used in preparing production and utilization estimates. 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.

The inventory data contained in this report were developed at the request of and with funds provided by Florida's citrus industry. Its leaders sought accurate information for projecting future production and recognized the requirement to maintain current citrus tree and acreage inventories. The work was directed by the USDA's National Agricultural Statistics Service, Southern Region, Florida Field Office, which supervised photo interpretation, field checking, and assembly of the data. Field survey work is a continuing cooperative project. Private and public officials contributed to this work by supplying information and other assistance.

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Statistical Methodology

Survey Procedures: Grower, packer, and objective measurement surveys are used to collect acreage, production, yield, price, and value data. Grower and packer surveys are conducted by mail, telephone, and personal interview. Objective measurement data is collected in citrus groves.

Estimating Procedures: Information obtained from the citrus grower, packer, and objective measurement surveys along with administrative data is used to establish estimates of bearing acres, production, yield, price, and value. These estimates are reviewed for errors, reasonableness, and consistency with historical estimates.

Revision Policy: Current season estimates are open for revision in April and August.

Reliability: The citrus grower and packer surveys are subject to non-sampling errors such as omission, duplication, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and careful review of all reported data for consistency and reasonableness.

Terms and Definitions

Acid: The citric acid present in citrus fruit. Also, a percent measurement of the amount of acid present in juice.

Bearing Trees: Trees are considered bearing for production three years after being planted.

Brix: A measure of the concentration of soluble solids in juice, mostly sugar content as well as salts, protein, and acid content. It is a quality factor that helps determine when the fruit is ready for harvest.

Carton: A $\frac{4}{5}$ bushel box or $\frac{1}{2}$ field box.

Citrus crop year: Begins with the bloom of the first year listed and ends with the year harvest is completed.

Delivered-In Price: The price paid by processors for fruit, including harvesting and transportation to the plant.

Equivalent on-tree (EOT) price: Represents the PHD price minus picking and hauling costs.

Field Box: $1\text{-}\frac{3}{5}$ bushel equivalent. See page 9 for a table of citrus box weights by fruit type and state. One box equals two cartons.

Field Run Fruit: Fruit harvested and sent directly to the processing facility.

Freight on board (FOB) price: A commercial price term that signifies a contractual agreement between a buyer and a seller to have the subject of a sale delivered to a designated place, usually either the "place of shipment" or the "place of destination," without expense to the buyer. This term indicates delivery will be made on board or into a carrier by the shipper without charge. The abbreviation FOB is usually followed by a shipping point or destination. Reports from fresh fruit sales organizations and from citrus packers provide data for an average FOB price.

Frozen Concentrated Grapefruit Juice (FCGJ): Grapefruit juice that has had all excess water removed and the resultant product frozen, making it more suitable for storage or transportation while also extending its shelf life. The term especially refers to product at 40.0 degrees Brix.

Frozen Concentrated Orange Juice (FCOJ): Orange juice that has had all excess water removed and the resultant product frozen, making it more suitable for storage or transportation while also extending its shelf life. The term especially refers to product at 42.0 degrees Brix.

Frozen Concentrated Tangerine Juice (FCTJ): Tangerine juice that has had all excess water removed and the resultant product frozen, making it more suitable for storage or transportation while also extending its shelf life. The term especially refers to product at 42.0 degrees Brix.

Packinghouse door (PHD) price: The packinghouse door is generally referred to as the point of first sale. PHD prices are calculated by subtracting costs incurred through the packinghouse from the FOB price. These costs may include sorting, grading, packing, cooling, etc.

Packinghouse Eliminations (PHE): Fruit that was harvested as fresh picked fruit, but was rejected at the packinghouse and sent to the processing facility.

Pound Solids (PS): The amount of soluble solids (sugars and acid) contained in one box of citrus fruit.

Ratio: The Brix to acid content relationship; i.e. Brix divided by percent acid.

Yield: Count, volume, or weight of a product per some specified unit. Commonly used to indicate the amount of FCOJ available per box of oranges or as a measure in terms of pounds of solids per box. Also used to express the volume of fruit per tree or per acre or volume of juice per box of citrus fruit.

Florida Citrus Pricing

All prices reported in this publication, except the Delivered-in Processed Citrus Fruit prices in the table on page 9, 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 has been removed. Prices are based on records of commercial fresh fruit sales and processed fruit returns.

Each season, beginning with the first month that a fruit type is harvested, monthly estimates are computed. Reports from fresh fruit sales organizations and from packers provide data for an average freight on board (FOB) 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 sale.

At the season's end, 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. The preliminary figures for the season are revised and released annually in late August or early September.

Packout Rates

Fresh prices shown in this publication are for "pure fresh" and include only packed fruit. Grading diverts a portion of the crop from fresh use. Returns at processing plants for this diverted fruit will generally be less than for field run fruit because of extra costs. In order to compare fresh prices shown in this publication to the individual grower's return, it is necessary to calculate a derived price for that crop. Below is an example and a blank table for calculating fresh returns based on packout rates.

The example describes a delivery of 1,000 boxes with a packout rate of 60% (0.60 in decimal format). At this rate, 600 boxes (1,000 x 0.60) are shipped fresh at a price of \$11.35 per 1-³/₅ bushel box equivalent. The remaining 400 boxes (1,000 x 0.40) are eliminations hauled to a processing facility and receive a price of \$4.50. The grower receives \$6,810.00 for the fresh portion and \$1,800.00 for the processed portion. Dividing the total amount of \$8,610.00 by the total of 1,000 boxes results in a derived price of \$8.61 per box.

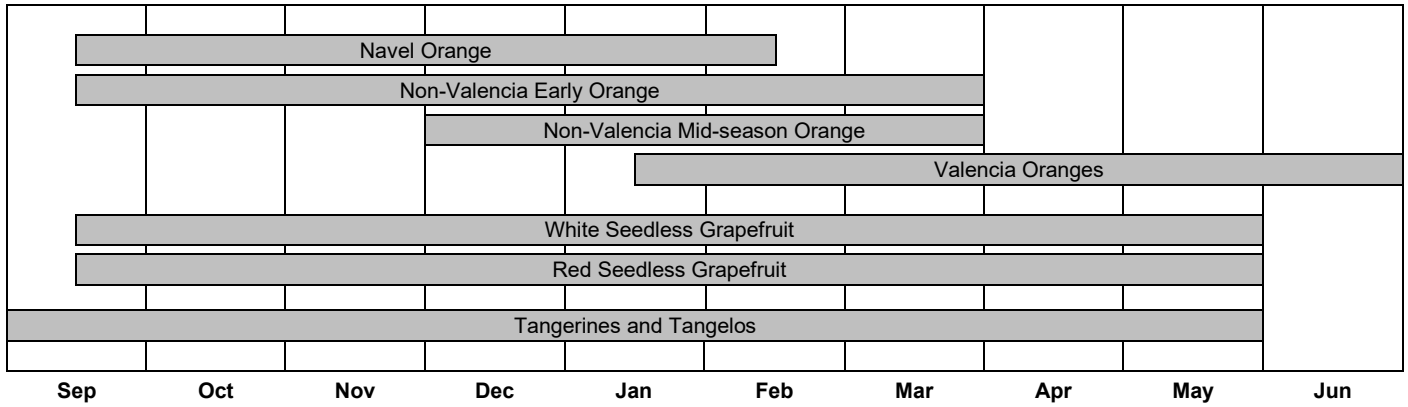
Sample Calculation of Grower's Return – Fresh Fruit (1,000 Boxes)

	Packout Rate		Prorated Boxes	On-tree Price	Amount Received	Derived Price
	Percent	Decimal				
Shipped Fresh	60	0.60	600 x Fresh	\$11.35 =	\$6,810.00	
Eliminations	40	0.40	400 x Processed	\$4.50 =	\$1,800.00	
Delivered to Packinghouse	100	1.00	1,000		\$8,610.00	\$8.61

Calculate Your Return

	Packout Rate		Prorated Boxes	On-tree Price	Amount Received	Derived Price
	Percent	Decimal				
Shipped Fresh			x Fresh	=		
Eliminations			x Processed	=		
Delivered to Packinghouse						

FLORIDA CITRUS HARVESTING SEASON



2022-2023 Season Highlights

Production

United States citrus utilized production for the 2022-2023 season totaled 4.90 million tons, down 12 percent from the 2021-2022 season. California accounted for 79 percent of total United States citrus production; Florida totaled 17 percent, and Texas and Arizona produced the remaining 4 percent.

Florida’s share of U.S. citrus production in 2022-2023 is 18.1 million boxes, down 60 percent from the previous season’s 45.3 million boxes.

Florida's orange production, at 15.8 million boxes, is down 62 percent from the previous season. Grapefruit utilization in Florida, at 1.81 million boxes, is down 46 percent from last season's utilization. Tangerine and tangelo production in 2022-2023 is down 36 percent from the previous season.

County Production

The top 5 citrus producing counties were Polk (3.52 million boxes), Highlands (2.78 million boxes), DeSoto (2.26 million boxes), St. Lucie (2.10 million boxes) and Hendry (1.87 million boxes). Together they account for 69 percent of the state’s total citrus production. Oranges constituted 87 percent of the citrus production, grapefruit accounted for 10 percent, and tangerines and tangelos represented 3 percent.

Estimates of county production are prepared from objective survey data used in forecasting citrus crop production. The apportionment of final harvest to the counties is based on bearing trees, an estimate of the average fruit per tree, and the drop and size surveys. Sample size used in these surveys and the distribution of the sample groves around the state are chosen to minimize error in the estimates of production and are not to be considered as precise for the counties as at the state level.

Value

The value of the 2022-23 United States citrus crop was down 13 percent from last season, to \$2.58 billion, (packinghouse-door equivalent). Orange value of production decreased 36 percent from last season and grapefruit value is up 8 percent. Tangerine and mandarin value of production is up 14 percent from last season and lemon value of production is up 5 percent from last season.

Florida's \$194 million preliminary on-tree value of the 2022-2023 citrus crop is 61 percent less than the \$501 million revised value for 2021-2022.

Citrus Value of Sales On-Tree – Florida: Crop Years 2013-2014 through 2022-2023

Crop year	Value ¹ (1,000 dollars)	Crop year	Value ¹ (1,000 dollars)
2013-2014	1,173,181	2018-2019	902,374
2014-2015	1,049,743	2019-2020	696,170
2015-2016	947,542	2020-2021	612,716
2016-2017	926,934	2021-2022 ²	500,583
2017-2018	636,747	2022-2023 ³	193,949

¹ Does not include lemons.

² Revised.

³ Preliminary.

Foreign Exports

Fresh fruit exports totaled 467 thousand ⁴/₅-bushel cartons. Belgium received most of Florida's grapefruit exports. Canada accounted for most of Florida's orange and tangerine exports. More details are listed on page 26 & 27. A total of 675 thousand gallons of Frozen Concentrated Orange Juice (FCOJ), were exported in the 2022-2023 season.

Frozen Concentrate

Final Frozen Concentrated Orange Juice (FCOJ) yield, as reported by the Florida Department of Citrus, was 1.09461 gallons per box of 42° Brix concentrate, a decrease from the 2021-2022 season. The early-midseason portion of the crop finalized at 1.07542 gallons per box. The late crop yielded 1.10026 gallons per box.

No Frozen Concentrated Grapefruit Juice (FCGJ) yield was reported.

The final Frozen Concentrated Tangerine Juice (FCTJ) yield of 1.29746 gallons per box of 42° Brix concentrate was more than the previous season's final of 1.24565 gallons per box.

Priced Average Delivered-in Processed Citrus Fruit – Florida: Crop Year 2022-2023

Variety	Price per box (dollars)	Price per pound of solids (dollars)
All oranges	11.511326	2.366031
Early-midseason.....	10.555343	2.259045
Valencia	12.102029	2.428002
All grapefruit.....	15.106848	3.432529
Red	15.412011	3.474512
White.....	12.450264	3.037066

Source: See page 64, Data Sources, Item 3
Florida Department of Citrus

Citrus Box Approximate Net Weight by Fruit Type – States: Crop Year 2022-2023

State	Orange (pounds)	Grapefruit (pounds)	Tangerine (pounds)	Lemon (pounds)	Lime (pounds)
FL	¹ 90	85	² 95	90	88
CA.....	80	80	80	80	(X)
TX.....	85	80	(X)	(X)	(X)
AZ.....	(X)	(X)	(X)	80	(X)

(X) Not applicable.

¹ Includes Temples from 2006-2007 to 2016-2017 season, and tangelos to 2016-2017.

² Includes tangelos beginning in the 2017-2018 season.

Weather and Crop Progress, by Month – Florida: Crop Year 2022-2023

Abnormally dry conditions set in about the same time as bloom began to occur in **February 2022**. Dry weather patterns continued for a period of several weeks, while moderate drought conditions developed and continued to expand across multiple citrus counties. The water level in canals and ditches was low across the state. Due to the lack of rainfall, irrigation was being run frequently in all areas. By the end of **March**, moderate drought had set in across the southern, central, and western portions of the citrus growing region. By the second week of **April**, drought conditions covered the complete citrus region. Field personnel reported bloom was over and fruitlets were copious in orange groves statewide.

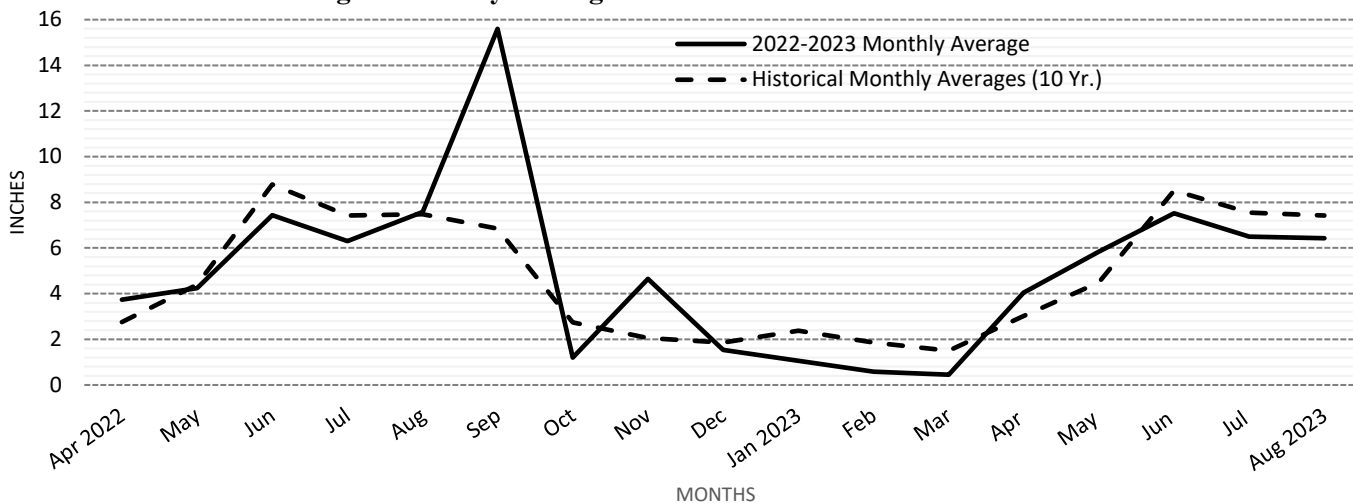
During **May** and **June** several periods of rainfall nearly eliminated drought conditions across the citrus producing region. Grove operations included spraying pesticides, applying nutritional sprays, fertilizing, applying herbicides, mowing, hedging, removal of dead trees, and general grove maintenance.

Temperatures were seasonably warm in the citrus growing region throughout **July** with several days averaging highs in the low to mid 90's. An uneventful, but warmer than average **August** kept conditions status quo in most areas. With elevated temperatures most of the month, the Indian River and some of the central counties saw the formation of abnormal dryness.

Rain patterns were typical for most of **September**. The normal wet-season pattern of afternoon thunderstorms formed by the collision of sea breezes continued unbroken. However, on **September 28, 2022**, one of the worst storms to impact the citrus region landed on the southwestern coast of Florida. Early afternoon, **Hurricane Ian** made its first U.S. landfall as a Category 4 storm on Cayo Costa Island. It then made landfall on mainland Florida, just south of Punta Gorda (Charlotte County). The path took it directly through the heart of the citrus region. After ripping through Charlotte County with wind speeds recorded as high as 140 mph, Hurricane Ian traveled directly over four of the five largest citrus producing counties (DeSoto, Highlands, Hardee, and Polk), continuing its strength as a hurricane. The entire citrus area was inundated with excessive rainfall and heavy winds as Hurricane Ian made its northeastward movement over the state. As the Limb Count (fruit per tree) survey had finished for the season, the monthly Size and Drop survey would be the only way to capture and assess the damage. Droppage on non-Valencia oranges ended at 76 percent, while Valencia oranges finished at 70 percent. On **November 10, 2022**, a second hurricane, (**Hurricane Nicole**) landed on the east coast of Florida as a Category 1 storm, mostly affecting the grapefruit crop. Red grapefruit droppage came in at 45 percent, while white grapefruit droppage finalized at 34 percent.

Harvest of Fallglo and Early Pride tangerines, and early and Navel oranges, for the fresh market began at the beginning of **October**. Processed utilization in **November** consisted of limited Navels, early oranges, and red grapefruit, and was mostly packinghouse eliminations. The first week of **December** (Week of November 28, 2022 to December 4, 2022, Division of Fruit and Vegetables processed report), consisted of field run oranges. Over 385,000 boxes of early and mid-season oranges were harvested. Weekly utilization of non-Valencia oranges peaked the third week of December at just under a million boxes, and non-Valencia harvest lasted until early February. Valencia oranges began ramping up in early **March** of 2023 and lasted about ten weeks. Harvest was relatively over by mid- **May**. Small amounts of utilization until the end of the season was primarily fresh squeezed Valencia oranges and cold storage fruit.

Citrus Region Monthly Average Rainfall – Florida: Historical and 2022-2023



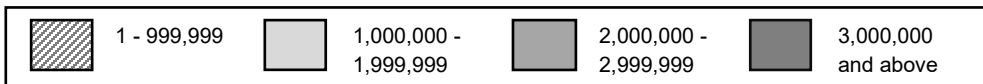
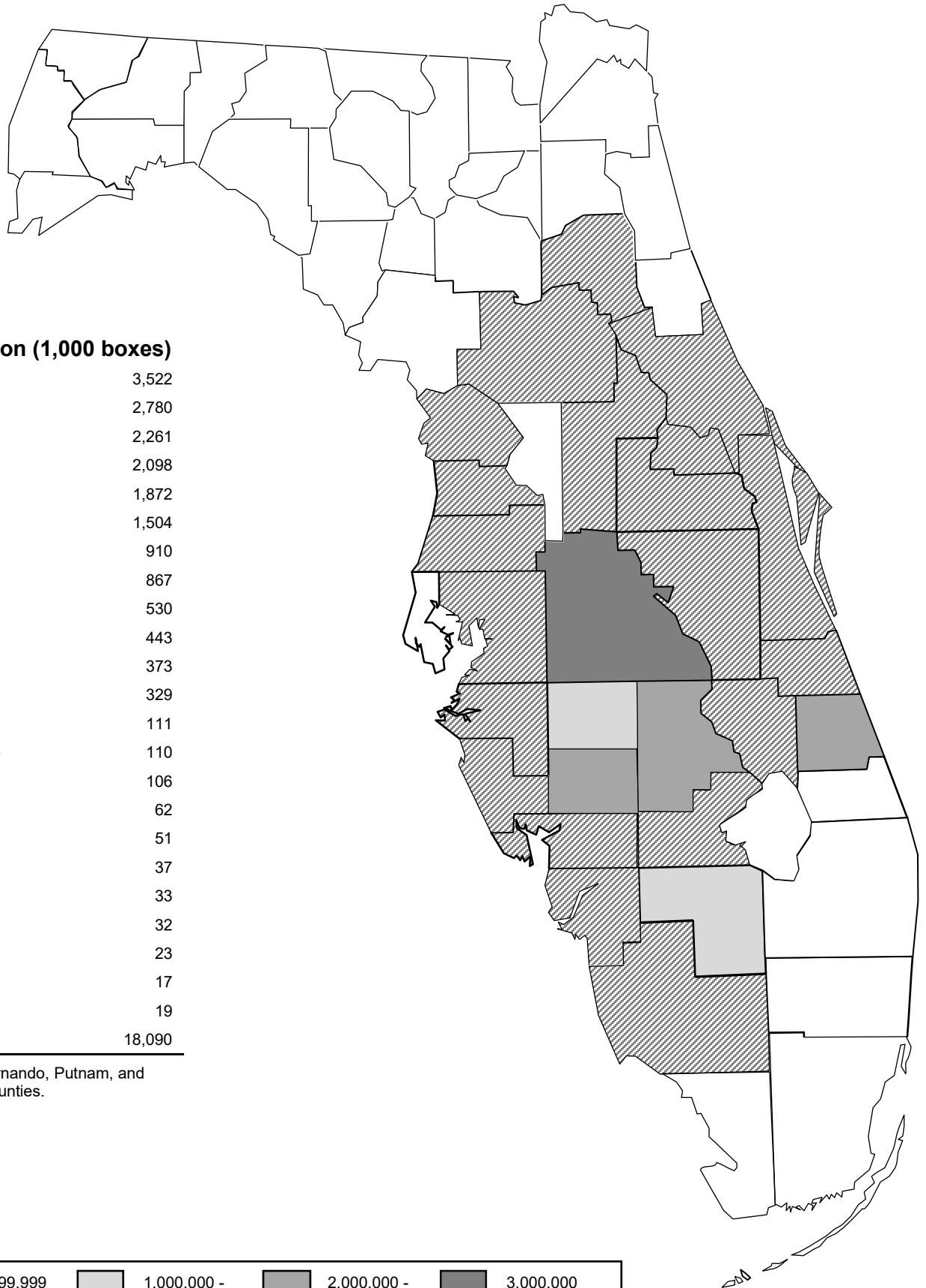
Source: See page 64, Data Sources, Item 1

Citrus Production by County 2022-2023

Production (1,000 boxes)

Polk	3,522
Highlands	2,780
DeSoto	2,261
St. Lucie	2,098
Hendry	1,872
Hardee	1,504
Collier	910
Indian River	867
Lake	530
Charlotte	443
Osceola	373
Manatee	329
Glades	111
Okeechobee	110
Lee	106
Pasco	62
Orange	51
Marion	37
Volusia	33
Sarasota	32
Hillsborough	23
Brevard	17
Other ¹	19
Total	18,090

¹ Citrus, Hernando, Putnam, and Seminole counties.



Citrus Production, by Type – Florida: Crop Years 1923-1924 through 2022-2023

[From 2007-2008 through 2016-2017, Temples included in "Oranges." In 2017-2018 Temples were reclassified as Royals and included in "Other."]

Crop year	Type of fruit				Crop year	Type of fruit			
	Oranges	Grapefruit	Other	Total		Oranges	Grapefruit	Other	Total
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)		(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
1923-1924 ..	13,150	8,500	590	22,240	1973-1974..	165,800	48,100	16,350	230,250
1924-1925 ..	10,400	8,900	936	20,236	1974-1975..	173,300	44,600	17,830	235,730
1925-1926 ..	9,500	7,600	730	17,830	1975-1976..	181,200	49,100	19,180	249,480
1926-1927 ..	10,100	8,600	912	19,612	1976-1977..	186,800	51,500	16,200	254,500
1927-1928 ..	8,650	7,500	850	17,000	1977-1978..	167,800	51,400	16,270	235,470
1928-1929 ..	15,000	11,300	1,506	27,806	1978-1979..	164,000	50,000	16,190	230,190
1929-1930 ..	8,950	8,300	858	18,108	1979-1980..	206,700	54,800	22,050	283,550
1930-1931 ..	16,800	15,800	2,408	35,008	1980-1981..	172,400	50,300	15,880	238,580
1931-1932 ..	12,200	10,700	2,009	24,909	1981-1982..	125,800	48,100	15,310	189,210
1932-1933 ..	14,500	11,600	1,910	24,909	1982-1983..	139,600	39,400	14,600	193,600
1933-1934 ..	15,900	10,900	2,012	28,010	1983-1984..	116,700	40,900	11,945	169,545
1934-1935 ..	15,600	15,200	2,015	28,812	1984-1985..	103,900	44,000	11,005	158,905
1935-1936 ..	15,900	11,500	2,112	32,815	1985-1986..	119,200	46,750	10,065	176,015
1936-1937 ..	19,100	18,100	3,045	29,512	1986-1987..	119,700	49,800	12,030	181,530
1937-1938 ..	23,900	14,600	2,370	40,245	1987-1988..	138,000	53,850	12,250	204,100
1938-1939 ..	29,900	23,300	3,495	40,870	1988-1989..	146,600	54,750	12,500	213,850
1939-1940 ..	25,350	15,900	2,745	56,695	1989-1990..	110,200	35,700	8,285	154,185
1940-1941 ..	28,200	24,600	3,180	43,995	1990-1991..	151,600	45,100	8,960	205,660
1941-1942 ..	26,800	19,200	2,650	48,650	1991-1992..	139,800	42,400	9,615	191,815
1942-1943 ..	36,650	27,300	4,925	68,875	1992-1993..	186,600	55,150	9,790	251,540
1943-1944 ..	45,500	31,000	4,490	80,990	1993-1994..	174,400	51,050	10,310	235,760
1944-1945 ..	42,230	22,300	4,670	69,200	1994-1995..	205,500	55,700	9,820	271,020
1945-1946 ..	49,000	32,000	5,200	86,200	1995-1996..	203,300	52,350	9,725	265,375
1946-1947 ..	52,080	26,400	4,790	83,270	1996-1997..	226,200	55,800	13,315	295,315
1947-1948 ..	57,530	29,300	4,440	91,270	1997-1998..	244,000	49,550	10,900	304,450
1948-1949 ..	57,380	30,200	5,520	93,100	1998-1999..	186,000	47,050	10,115	243,165
1949-1950 ..	57,790	24,200	5,970	87,960	1999-2000..	233,000	53,400	12,030	298,430
1950-1951 ..	66,200	33,200	5,980	105,380	2000-2001..	223,300	46,000	9,505	278,805
1951-1952 ..	76,900	33,000	6,060	115,960	2001-2002..	230,000	46,700	10,565	287,265
1952-1953 ..	70,500	32,500	6,920	115,960	2002-2003..	203,000	38,700	9,305	251,005
1953-1954 ..	89,100	40,700	7,070	109,920	2003-2004..	242,000	40,900	8,900	291,800
1954-1955 ..	85,900	34,800	7,998	136,870	2004-2005..	149,800	12,800	6,650	169,250
1955-1956 ..	88,200	38,300	7,935	128,698	2005-2006..	147,700	19,300	7,600	174,600
1956-1957 ..	90,300	37,400	8,020	134,435	2006-2007..	129,000	27,200	5,850	162,050
1957-1958 ..	81,000	31,100	4,300	135,720	2007-2008..	170,200	26,600	7,000	203,800
1958-1959 ..	83,000	35,200	7,800	116,400	2008-2009..	162,500	21,700	5,000	189,200
1959-1960 ..	87,600	30,500	7,470	126,000	2009-2010..	133,700	20,300	5,350	159,350
1960-1961 ..	82,700	31,600	9,940	125,570	2010-2011..	140,500	19,750	5,800	166,050
1961-1962 ..	108,800	34,800	10,210	153,810	2011-2012..	146,700	18,850	5,440	170,990
1962-1963 ..	72,500	30,000	5,250	107,750	2012-2013..	133,600	18,350	4,280	156,230
1963-1964 ..	54,900	26,300	8,620	89,820	2013-2014..	104,700	15,650	3,780	124,130
1964-1965 ..	82,400	31,900	9,350	123,650	2014-2015..	96,950	12,900	2,930	112,780
1965-1966 ..	95,900	34,900	10,190	140,990	2015-2016..	81,700	10,800	1,805	94,305
1966-1967 ..	139,500	43,600	11,895	194,995	2016-2017..	68,850	7,760	1,620	78,230
1967-1968 ..	100,500	32,900	10,880	144,280	2017-2018..	45,050	3,880	750	49,680
1968-1969 ..	129,700	39,900	12,470	182,070	2018-2019..	71,850	4,510	990	77,350
1969-1970 ..	137,700	37,400	13,915	189,015	2019-2020..	67,400	4,850	1,020	73,270
1970-1971 ..	142,300	42,900	14,450	199,650	2020-2021..	52,950	4,100	890	57,940
1971-1972 ..	137,000	47,000	16,480	200,480	2021-2022..	41,200	3,330	750	45,280
1972-1973 ..	169,700	45,400	15,450	230,550	2022-2023..	15,800	1,810	480	18,090

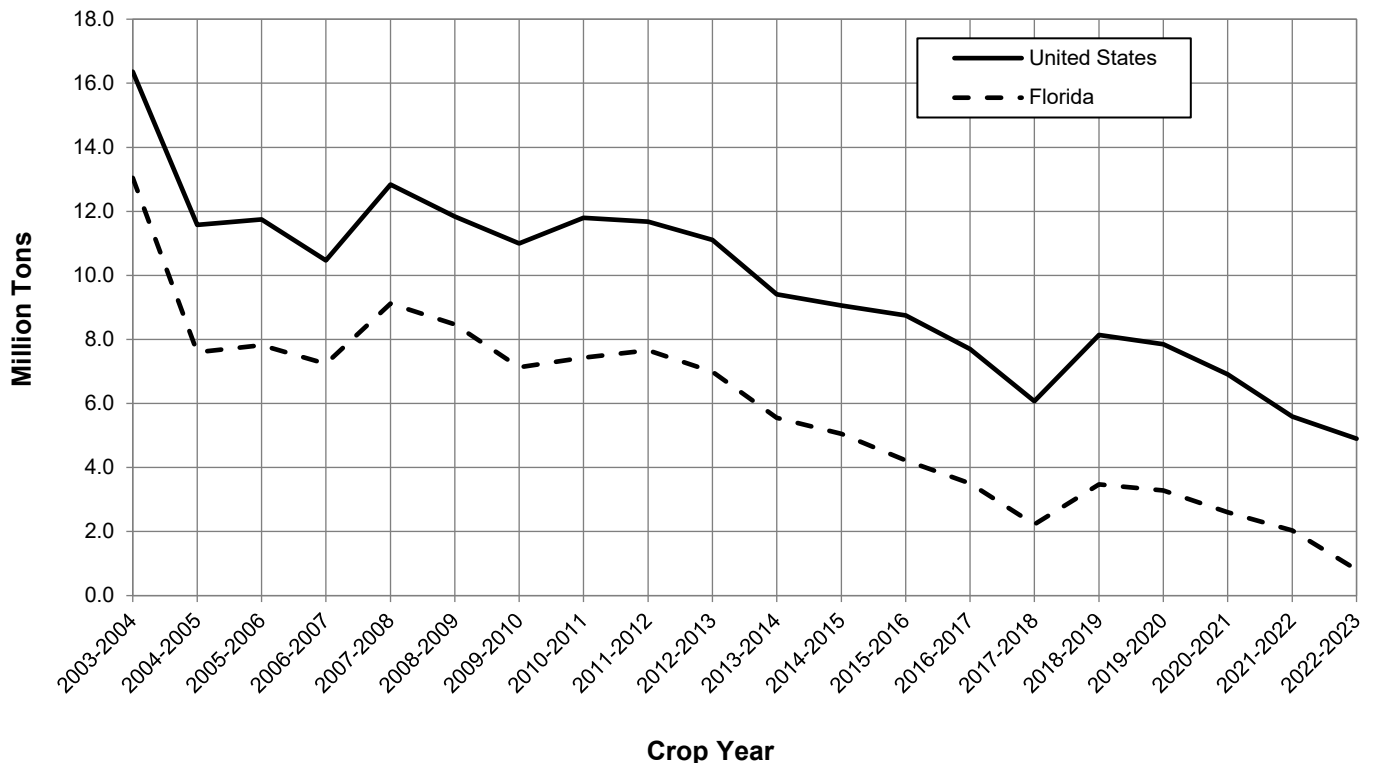
Citrus Bearing Acreage and Production, by State: Crop Years 2003-2004 through 2022-2023

Crop year	Florida		California		Texas		Arizona		United States	
	Bearing acreage	Production ¹	Bearing acreage	Production	Bearing acreage	Production	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)
2003-2004.....	679.0	13,045	252.0	2,855	27.3	298	27.0	162	985.3	16,360
2004-2005.....	641.4	7,597	251.0	3,511	27.3	339	26.0	127	945.7	11,574
2005-2006.....	576.4	7,823	250.5	3,460	27.3	277	23.5	185	877.7	11,745
2006-2007.....	554.4	7,236	266.6	2,743	27.3	368	17.9	120	866.2	10,467
2007-2008.....	538.9	9,119	267.6	3,312	27.3	317	17.4	90	851.2	12,838
2008-2009.....	530.9	8,470	269.6	2,954	27.3	282	17.3	133	845.1	11,839
2009-2010.....	517.1	7,132	268.6	3,477	27.3	294	13.5	97	826.5	11,000
2010-2011.....	503.6	7,435	267.4	3,916	27.3	335	13.0	112	811.3	11,798
2011-2012.....	495.1	7,659	269.7	3,732	25.0	252	12.0	38	801.8	11,681
2012-2013.....	489.6	6,993	267.0	3,720	23.5	320	11.1	78	791.2	11,111
2013-2014.....	476.3	5,555	267.8	3,474	23.7	304	9.9	78	777.7	9,411
2014-2015.....	459.1	5,049	271.8	3,692	24.5	232	9.5	87	764.9	9,060
2015-2016.....	435.3	4,221	270.5	4,200	24.5	263	7.5	64	737.8	8,748
2016-2017.....	410.7	3,505	267.4	3,880	24.4	250	7.3	62	709.8	7,697
2017-2018.....	400.9	2,228	265.3	3,536	24.4	272	7.3	40	697.9	6,076
2018-2019.....	387.1	3,472	269.0	4,264	24.5	350	7.3	54	687.9	8,140
2019-2020.....	380.5	3,287	269.7	4,260	23.8	233	7.3	72	681.3	7,852
2020-2021.....	369.5	2,599	266.9	4,136	22.8	141	7.0	30	666.2	6,906
2021-2022.....	340.2	2,032	266.1	3,436	18.0	76	6.7	50	631.0	5,594
2022-2023.....	298.4	811	267.0	3,896	16.4	138	6.4	56	588.2	4,901

¹ Does not include lemons.

² Beginning in 2009-2010, orange and grapefruit estimates were discontinued, beginning in 2016-2017, tangerine and mandarin estimates were discontinued.

Citrus Production – United States and Florida: Crop Years 2003-2004 through 2022-2023



Orange Bearing Acreage and Production, by State: Crop Years 2003-2004 through 2022-2023

Crop year	Florida ¹		California		Texas		Arizona ²		United States	
	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production	Bearing acreage	Production ³
	(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)
2003-2004 ...	564.8	10,890	193.0	1,894	8.8	70	4.9	18	771.5	12,872
2004-2005 ...	541.8	6,741	191.0	2,419	8.8	76	4.2	16	745.8	9,252
2005-2006 ...	491.0	6,647	190.0	2,288	8.8	69	3.3	17	693.1	9,021
2006-2007 ...	475.9	5,805	190.0	1,724	8.8	84	2.6	12	677.3	7,625
2007-2008 ...	463.9	7,659	188.0	2,326	8.8	76	2.4	15	663.1	10,076
2008-2009 ...	459.1	7,313	186.0	1,743	8.8	62	2.4	10	656.3	9,128
2009-2010 ...	451.0	6,017	183.0	2,156	8.8	70	(NA)	(NA)	642.8	8,243
2010-2011 ...	440.0	6,322	180.0	2,500	8.8	83	(NA)	(NA)	628.8	8,905
2011-2012 ...	433.4	6,602	177.0	2,320	8.0	60	(NA)	(NA)	618.4	8,982
2012-2013 ...	429.2	6,012	171.0	2,180	7.0	76	(NA)	(NA)	607.2	8,268
2013-2014 ...	418.7	4,712	166.0	1,976	7.1	76	(NA)	(NA)	591.8	6,764
2014-2015 ...	405.5	4,363	163.0	1,928	7.4	62	(NA)	(NA)	575.9	6,353
2015-2016 ...	387.0	3,677	157.0	2,340	7.4	71	(NA)	(NA)	551.4	6,088
2016-2017 ...	367.5	3,098	152.0	1,932	8.0	58	(NA)	(NA)	527.5	5,088
2017-2018 ...	361.8	2,027	147.0	1,768	8.7	80	(NA)	(NA)	517.5	3,875
2018-2019 ...	354.1	3,233	147.0	2,088	8.5	106	(NA)	(NA)	509.6	5,427
2019-2020 ...	350.9	3,033	145.0	2,164	7.8	57	(NA)	(NA)	503.7	5,254
2020-2021 ...	342.9	2,383	141.0	1,960	7.8	45	(NA)	(NA)	491.7	4,388
2021-2022 ...	317.1	1,854	138.0	1,564	6.0	8	(NA)	(NA)	461.1	3,426
2022-2023 ...	278.3	711	136.0	1,728	5.9	48	(NA)	(NA)	420.2	2,487

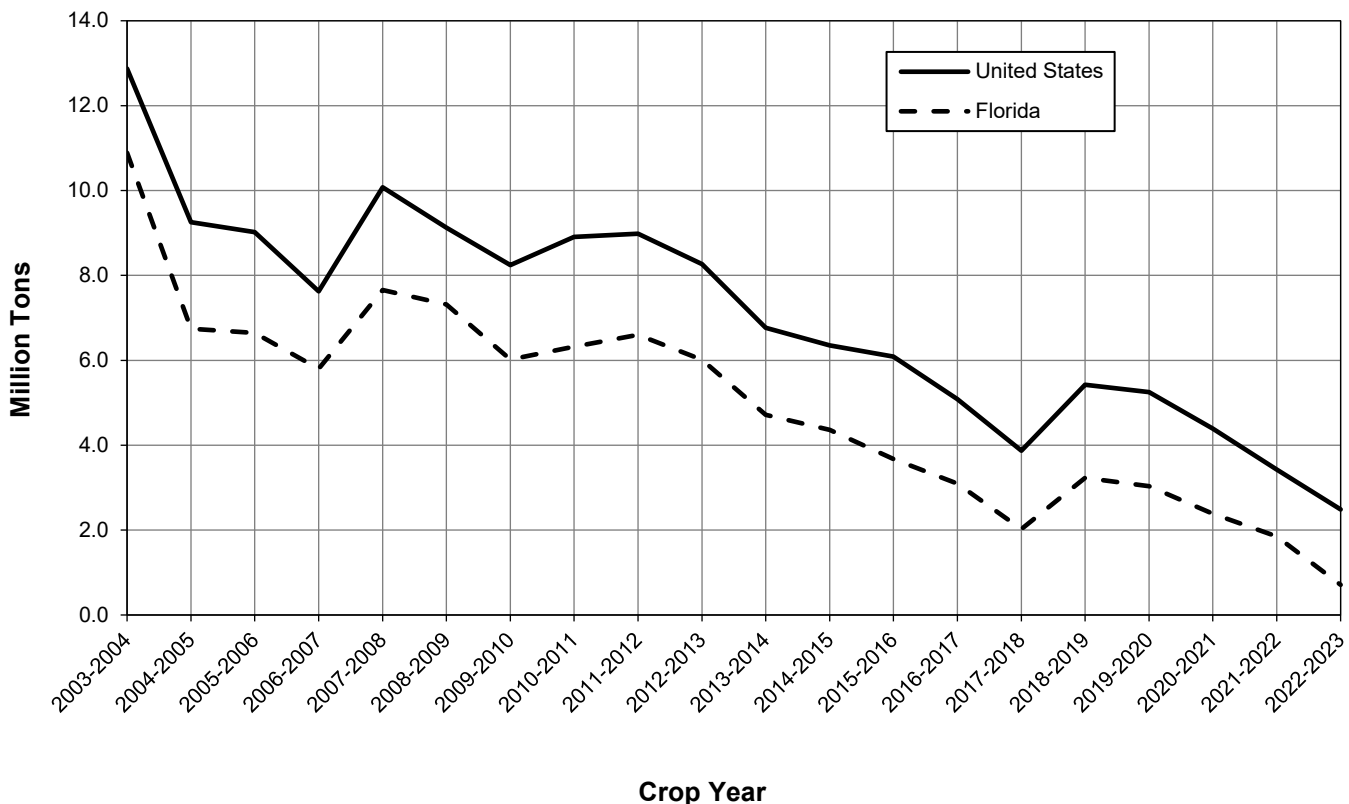
(NA) Not available.

¹ Includes Temples beginning in 2007-2008 and ending in 2016-2017.

² Estimates discontinued beginning with the 2009-2010 crop year.

³ Some figures may not add due to rounding.

Orange Production – United States and Florida: Crop Years 2003-2004 through 2022-2023



Grapefruit Bearing Acreage and Production, by State: Crop Years 2003-2004 through 2022-2023

Crop year	Florida		Texas		California ¹		Arizona ²		United States	
	Bearing acreage (1,000 acres)	Production (1,000 tons)	Bearing acreage (1,000 acres)	Production (1,000 tons)	Bearing acreage (1,000 acres)	Production (1,000 tons)	Bearing acreage (1,000 acres)	Production (1,000 tons)	Bearing acreage (1,000 acres)	Production ³ (1,000 tons)
2003-2004 ...	82.3	1,738	18.5	228	11.0	194	1.2	5	113.0	2,165
2004-2005 ...	71.0	544	18.5	264	12.0	205	1.0	5	102.5	1,018
2005-2006 ...	59.8	820	18.5	208	10.0	201	0.8	3	89.1	1,232
2006-2007 ...	57.4	1,156	18.5	284	9.6	184	0.6	3	86.1	1,627
2007-2008 ...	54.8	1,131	18.5	240	9.6	174	0.5	3	83.4	1,548
2008-2009 ...	51.9	922	18.5	220	9.6	161	0.4	1	80.4	1,304
2009-2010 ...	48.1	863	18.5	224	9.6	151	(NA)	(NA)	76.2	1,238
2010-2011 ...	46.5	840	18.5	252	9.4	172	(NA)	(NA)	74.4	1,264
2011-2012 ...	45.5	801	17.0	192	9.7	160	(NA)	(NA)	72.2	1,153
2012-2013 ...	44.9	780	16.5	244	10.0	180	(NA)	(NA)	71.4	1,204
2013-2014 ...	43.1	665	16.6	228	9.8	154	(NA)	(NA)	69.5	1,047
2014-2015 ...	40.4	548	17.1	170	9.8	192	(NA)	(NA)	67.3	910
2015-2016 ...	37.5	459	17.1	192	9.5	152	(NA)	(NA)	64.1	803
2016-2017 ...	33.8	330	16.4	192	9.4	176	(NA)	(NA)	59.6	698
2017-2018 ...	29.8	165	15.7	192	9.3	152	(NA)	(NA)	54.8	509
2018-2019 ...	24.7	192	16.0	244	9.0	168	(NA)	(NA)	49.7	604
2019-2020 ...	21.7	206	16.0	176	8.7	188	(NA)	(NA)	46.4	570
2020-2021 ...	18.8	174	15.0	96	8.9	168	(NA)	(NA)	42.7	438
2021-2022 ...	15.9	142	12.0	68	9.1	164	(NA)	(NA)	37.0	374
2022-2023 ...	13.1	77	10.5	90	9.0	160	(NA)	(NA)	32.6	327

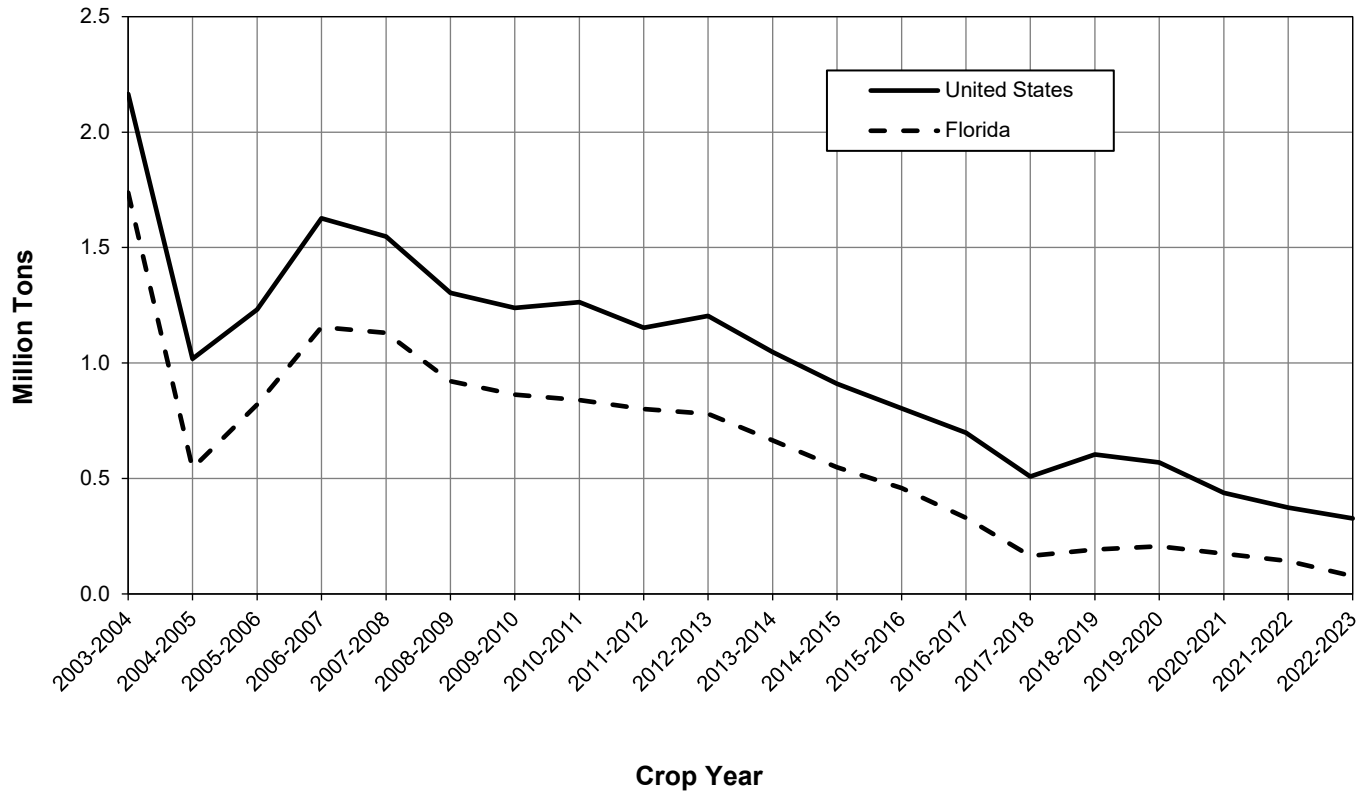
(NA) Not available

¹ Includes pummelos.

² Estimates discontinued beginning with the 2009-2010 crop year.

³ Some figures may not add due to rounding.

Grapefruit Production – United States and Florida: Crop Years 2003-2004 through 2022-2023



Orange Trees, Acreage, Yield, Production, Price, and Value, by Variety – Florida: Crop Years 2003-2004 through 2022-2023

Crop year	Bearing trees (1,000 trees)	Bearing acreage (1,000 acres)	Yield per acre (boxes)	Utilization of production			On-tree	
				Total (1,000 boxes)	Fresh (1,000 boxes)	Processed (1,000 boxes)	Price per box (dollars)	Value of production (1,000 dollars)
All Oranges ¹								
2003-2004.....	75,392	564.8	428	242,000	9,893	232,107	2.89	699,927
2004-2005.....	72,592	541.8	276	149,800	7,397	142,403	3.49	522,892
2005-2006.....	65,954	491.0	301	147,700	7,314	140,386	5.51	813,322
2006-2007.....	63,950	475.9	271	129,000	6,396	122,604	10.28	1,325,742
2007-2008.....	61,742	463.9	367	170,200	5,795	164,405	6.61	1,125,348
2008-2009.....	60,754	459.1	354	162,500	6,927	155,573	5.77	937,069
2009-2010.....	59,561	451.0	296	133,700	5,860	127,840	6.96	929,915
2010-2011.....	58,158	440.0	319	140,500	5,959	134,541	8.41	1,181,898
2011-2012.....	57,459	433.4	338	146,700	6,088	140,612	9.92	1,455,717
2012-2013.....	57,144	429.2	311	133,600	5,974	127,626	7.43	992,526
2013-2014.....	55,889	418.7	250	104,700	5,500	99,200	9.63	1,008,622
2014-2015.....	54,382	405.5	239	96,950	4,970	91,980	9.38	909,387
2015-2016.....	52,204	387.0	211	81,700	3,930	77,770	9.90	808,765
2016-2017.....	50,083	367.5	187	68,850	2,803	66,047	11.82	813,512
2017-2018.....	50,033	361.8	125	45,050	2,759	42,291	12.43	560,039
2018-2019.....	49,707	354.1	203	71,850	2,736	69,114	11.41	819,783
2019-2020.....	50,145	350.9	192	67,400	3,233	64,167	9.27	624,964
2020-2021.....	49,745	342.9	154	52,950	3,270	49,680	10.14	536,674
2021-2022.....	46,641	317.1	130	41,200	2,613	38,587	10.26	422,647
2022-2023 ²	41,528	278.3	57	15,800	1,612	14,188	8.70	137,532
Non-Valencia Oranges ¹								
2003-2004.....	34,445	266.3	473	126,000	5,615	120,385	2.20	277,715
2004-2005.....	32,165	249.3	317	79,100	4,403	74,697	2.82	223,193
2005-2006.....	28,784	220.4	340	75,000	4,896	70,104	4.70	352,833
2006-2007.....	27,790	212.7	308	65,600	4,162	61,438	8.92	584,871
2007-2008.....	26,824	206.9	404	83,500	3,885	79,615	5.90	492,634
2008-2009.....	26,380	204.8	413	84,600	4,342	80,258	5.09	430,684
2009-2010.....	25,760	200.3	342	68,600	3,827	64,773	5.95	408,507
2010-2011.....	25,253	196.1	358	70,300	4,122	66,178	7.11	500,040
2011-2012.....	24,909	192.8	385	74,200	3,998	70,202	8.88	659,157
2012-2013.....	24,809	190.9	351	67,100	3,695	63,405	6.25	419,144
2013-2014.....	24,185	185.3	288	53,300	3,224	50,076	8.41	448,334
2014-2015.....	23,328	177.6	267	47,400	2,815	44,585	8.40	397,943
2015-2016.....	22,419	169.2	213	36,100	2,199	33,901	8.99	324,396
2016-2017.....	21,247	158.3	208	33,000	1,503	31,497	10.50	346,599
2017-2018.....	21,058	154.4	123	18,950	1,316	17,634	10.43	197,726
2018-2019.....	20,610	149.8	203	30,400	1,504	28,896	9.85	300,488
2019-2020.....	20,455	146.0	203	29,650	1,510	28,140	7.93	235,160
2020-2021.....	19,676	138.7	164	22,700	1,538	21,162	9.02	204,789
2021-2022.....	17,962	125.4	146	18,250	1,334	16,916	9.65	176,141
2022-2023 ²	15,257	105.7	58	6,150	741	5,409	8.15	50,155

See footnote(s) at end of table.

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Orange Trees, Acreage, Yield, Production, Price, and Value, by Variety – Florida: Crop Years 2003-2004 through 2022-2023 (continued)

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)	(1,000 boxes)	(1,000 boxes)	(dollars)	(1,000 dollars)
Valencia Oranges								
2003-2004.....	40,947	298.5	389	116,000	4,278	111,722	3.64	422,212
2004-2005.....	40,427	292.5	242	70,700	2,994	67,706	4.24	299,699
2005-2006.....	37,170	270.6	269	72,700	2,418	70,282	6.33	460,489
2006-2007.....	36,160	263.2	241	63,400	2,234	61,166	11.69	740,871
2007-2008.....	34,918	257.0	337	86,700	1,910	84,790	7.30	632,714
2008-2009.....	34,374	254.3	306	77,900	2,585	75,315	6.50	506,385
2009-2010.....	33,801	250.7	260	65,100	2,033	63,067	8.01	521,408
2010-2011.....	32,905	243.9	288	70,200	1,837	68,363	9.71	681,858
2011-2012.....	32,550	240.6	301	72,500	2,090	70,410	10.99	796,560
2012-2013.....	32,335	238.3	279	66,500	2,279	64,221	8.62	573,382
2013-2014.....	31,704	233.4	220	51,400	2,276	49,124	10.90	560,288
2014-2015.....	31,054	227.9	217	49,550	2,155	47,395	10.32	511,444
2015-2016.....	29,785	217.8	209	45,600	1,731	43,869	10.62	484,369
2016-2017.....	28,836	209.2	171	35,850	1,300	34,550	13.02	466,913
2017-2018.....	28,975	207.4	126	26,100	1,443	24,657	13.88	362,313
2018-2019.....	29,097	204.3	203	41,450	1,232	40,218	12.56	519,295
2019-2020.....	29,690	204.9	184	37,750	1,723	36,027	10.33	389,804
2020-2021.....	30,069	204.2	148	30,250	1,732	28,518	10.97	331,885
2021-2022.....	28,679	191.7	120	22,950	1,279	21,671	10.74	246,506
2022-2023 ²	26,271	172.6	56	9,650	871	8,779	9.05	87,377
Navel Oranges								
2003-2004.....	2,014	15.7	274	4,300	3,112	1,188	4.26	18,302
2004-2005.....	1,784	13.7	182	2,500	2,017	483	9.68	24,191
2005-2006.....	1,525	11.8	322	3,800	2,861	939	5.65	21,476
2006-2007.....	1,388	10.8	264	2,850	2,228	622	10.57	30,128
2007-2008.....	1,303	10.2	294	3,000	2,302	698	6.47	19,403
2008-2009.....	1,233	9.6	313	3,000	2,449	551	6.42	19,269
2009-2010.....	1,137	8.9	258	2,300	1,873	427	9.68	22,266
2010-2011.....	1,089	8.6	308	2,650	2,273	377	10.71	28,371
2011-2012.....	1,045	8.2	323	2,650	2,159	491	10.46	27,720
2012-2013.....	1,006	7.8	282	2,200	1,815	385	12.66	27,852
2013-2014.....	977	7.6	254	1,930	1,504	426	14.18	27,364
2014-2015.....	958	7.4	189	1,400	1,086	314	16.57	23,204
2015-2016.....	965	7.5	137	1,030	739	291	17.39	17,907
2016-2017.....	929	6.9	116	800	506	294	16.43	13,145
2017-2018.....	939	6.9	72	500	323	177	17.58	8,789
2018-2019.....	944	6.8	110	750	437	313	14.54	10,904
2019-2020.....	920	6.5	123	800	438	362	10.67	8,533
2020-2021.....	898	6.2	94	580	352	228	14.59	8,463
2021-2022.....	756	5.3	92	490	326	164	14.33	7,024
2022-2023 ²	634	4.4	55	240	186	54	16.58	3,980

¹ Includes Temples beginning in 2006-2007 and ending in 2015-2016.

² 2022-2023 preliminary.

Grapefruit Trees, Acreage, Yield, Production, Price, and Value, by Variety – Florida: Crop Years 2003-2004 through 2022-2023

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)	(1,000 boxes)	(1,000 boxes)	(dollars)	(1,000 dollars)
All Grapefruit								
2003-2004	8,968	82.3	497	40,900	16,657	24,243	3.33	136,295
2004-2005	7,791	71.0	180	12,800	7,419	5,381	13.47	172,365
2005-2006	6,543	59.8	323	19,300	6,914	12,386	7.75	149,655
2006-2007	6,315	57.4	474	27,200	10,959	16,241	4.42	120,280
2007-2008	5,989	54.8	485	26,600	10,623	15,977	4.42	117,507
2008-2009	5,633	51.9	418	21,700	9,339	12,361	3.81	82,696
2009-2010	5,200	48.1	422	20,300	9,357	10,943	7.50	152,156
2010-2011	5,036	46.5	425	19,750	8,379	11,371	6.72	132,747
2011-2012	4,934	45.5	414	18,850	7,929	10,921	7.17	135,229
2012-2013	4,896	44.9	409	18,350	7,743	10,607	6.47	118,658
2013-2014	4,744	43.1	363	15,650	6,690	8,960	7.10	111,154
2014-2015	4,462	40.4	319	12,900	5,708	7,192	7.25	93,548
2015-2016	4,198	37.5	288	10,800	4,946	5,854	9.80	105,884
2016-2017	3,797	33.8	230	7,760	3,537	4,223	11.02	85,508
2017-2018	3,440	29.8	130	3,880	1,744	2,136	15.61	60,583
2018-2019	2,908	24.7	183	4,510	1,921	2,589	14.57	65,724
2019-2020	2,593	21.7	224	4,850	2,137	2,713	10.36	50,280
2020-2021	2,285	18.7	219	4,100	1,987	2,113	14.37	58,923
2021-2022	1,965	15.9	209	3,330	1,826	1,504	17.64	58,751
2022-2023 ¹	1,689	13.1	138	1,810	1,067	743	22.25	40,274
Red Grapefruit								
2003-2004	5,721	51.0	490	25,000	13,384	11,616	4.22	105,433
2004-2005	5,079	45.2	208	9,400	6,067	3,333	14.02	131,805
2005-2006	4,329	38.5	332	12,800	5,481	7,319	7.90	101,111
2006-2007	4,232	37.5	477	17,900	8,998	8,902	5.42	96,975
2007-2008	4,094	36.5	482	17,600	8,730	8,870	5.47	96,231
2008-2009	3,961	35.5	425	15,100	7,947	7,153	4.68	70,697
2009-2010	3,725	33.5	427	14,300	7,831	6,469	8.23	117,625
2010-2011	3,602	32.3	430	13,900	7,006	6,894	7.17	99,621
2011-2012	3,557	31.9	423	13,500	6,782	6,718	7.57	102,242
2012-2013	3,570	31.9	411	13,100	6,742	6,358	6.89	90,235
2013-2014	3,480	30.8	373	11,500	5,901	5,599	7.44	85,589
2014-2015	3,302	29.0	333	9,650	5,076	4,574	7.82	75,432
2015-2016	3,217	27.9	298	8,310	4,359	3,951	10.22	84,937
2016-2017	2,962	25.7	244	6,280	3,131	3,149	11.31	71,037
2017-2018	2,773	23.5	135	3,180	1,555	1,625	16.06	51,069
2018-2019	2,430	20.4	183	3,740	1,700	2,040	14.56	54,553
2019-2020	2,174	18.0	226	4,060	1,942	2,118	10.81	43,902
2020-2021	1,956	15.9	219	3,480	1,839	1,641	(NA)	(NA)
2021-2022	1,731	14.0	202	2,830	1,671	1,159	(NA)	(NA)
2022-2023 ¹	1,483	11.5	136	1,560	945	615	(NA)	(NA)

See footnote(s) at end of table.

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Grapefruit Trees, Acreage, Yield, Production, Price, and Value, by Variety – Florida: Crop Years 2003-2004 through 2022-2023 (continued)

Crop year	Bearing trees (1,000 trees)	Bearing acreage (1,000 acres)	Yield per acre (boxes)	Utilization of production			On-tree	
				Total (1,000 boxes)	Fresh (1,000 boxes)	Processed (1,000 boxes)	Price per box (dollars)	Value of production (1,000 dollars)
White Grapefruit ²								
2003-2004	3,247	31.3	508	15,900	3,273	12,627	1.94	30,862
2004-2005	2,712	25.8	132	3,400	1,352	2,048	11.93	40,560
2005-2006	2,214	21.3	305	6,500	1,433	5,067	7.47	48,544
2006-2007	2,083	19.9	467	9,300	1,961	7,339	2.51	23,305
2007-2008	1,895	18.3	492	9,000	1,893	7,107	2.36	21,276
2008-2009	1,672	16.4	402	6,600	1,392	5,208	1.82	11,999
2009-2010	1,475	14.6	411	6,000	1,526	4,474	5.76	34,531
2010-2011	1,434	14.2	412	5,850	1,373	4,477	5.66	33,126
2011-2012	1,377	13.6	393	5,350	1,147	4,203	6.17	32,987
2012-2013	1,326	13.0	404	5,250	1,001	4,249	5.41	28,423
2013-2014	1,264	12.3	337	4,150	789	3,361	6.16	25,565
2014-2015	1,160	11.4	285	3,250	632	2,618	5.57	18,116
2015-2016	981	9.6	259	2,490	587	1,903	8.41	20,947
2016-2017	835	8.1	183	1,480	406	1,074	9.78	14,471
2017-2018	667	6.3	111	700	189	511	13.59	9,514
2018-2019	478	4.3	179	770	221	549	14.48	11,171
2019-2020	419	3.7	214	790	195	595	8.00	6,323
2020-2021	329	2.8	221	620	148	472	(NA)	(NA)
2021-2022	234	1.9	263	500	155	345	(NA)	(NA)
2022-2023 ¹	206	1.6	156	250	122	128	(NA)	(NA)

(NA) Not available

¹ 2022-2023 preliminary.

² Includes seedy grapefruit.

Tangerine and Tangelo Trees, Acreage, Yield, Production, Price, and Value, by Variety – Florida: Crop Years 2017-2018 through 2022-2023

Crop year	Bearing trees (1,000 trees)	Bearing acreage (1,000 acres)	Yield per acre (boxes)	Utilization of production			On-tree	
				Total (1,000 boxes)	Fresh (1,000 boxes)	Processed (1,000 boxes)	Price per box (dollars)	Value of production (1,000 dollars)
All Tangerines and Tangelos								
2017-2018	1,436	9.3	81	750	486	264	21.50	16,125
2018-2019	1,373	8.3	119	990	543	447	17.04	16,867
2019-2020	1,363	7.9	129	1,020	638	382	20.52	20,926
2020-2021	1,416	7.8	114	890	599	291	19.23	17,119
2021-2022	1,374	7.2	104	750	484	266	25.58	19,185
2022-2023 ¹	1,383	7.0	69	480	335	145	33.63	16,143

¹ 2022-2023 preliminary.

Annual Pack of Citrus Product, Boxes Used, and Yield, by Juice Type, and All Citrus Feed – Florida: Crop Years 2003-2004 through 2022-2023

Crop year	Orange juice ¹							
	Concentrated ²					Chilled		Other processed ³
	Product	Boxes used ⁴	Yield			Product	Boxes used ⁴	Boxes used
			All	Early-mid	Late			
(1,000 gallons)	(1,000 boxes)	(gallons per box)	(gallons per box)	(gallons per box)	(1,000 gallons)	(1,000 boxes)	(1,000 boxes)	
2003-2004.....	218,296	140,242	1.55656	1.44560	1.69155	559,077	93,393	500
2004-2005.....	85,998	54,322	1.58311	1.52920	1.67671	553,272	88,514	1,059
2005-2006.....	84,600	52,001	1.62688	1.52690	1.75268	575,057	88,662	1,067
2006-2007.....	79,054	48,011	1.64659	1.55547	1.77415	487,811	74,523	892
2007-2008.....	135,196	80,817	1.67314	1.55335	1.79034	552,263	84,710	(NA)
2008-2009.....	120,800	72,543	1.66433	1.59720	1.75075	536,821	82,561	1,115
2009-2010.....	82,260	52,745	1.55961	1.51099	1.62525	465,069	75,149	431
2010-2011.....	82,106	51,739	1.58665	1.52365	1.66474	522,351	82,674	835
2011-2012.....	106,432	65,355	1.62848	1.52972	1.74560	489,852	75,518	455
2012-2013.....	76,132	47,968	1.58768	1.50847	1.69205	504,840	79,247	937
2013-2014.....	35,655	22,723	1.56908	1.52132	1.64246	470,627	76,035	928
2014-2015.....	28,878	19,224	1.50220	1.41955	1.58415	423,911	71,891	1,184
2015-2016.....	22,270	15,845	1.40553	1.34705	1.47298	350,810	61,768	218
2016-2017.....	17,917	12,648	1.41662	1.33660	1.53650	311,739	53,237	162
2017-2018.....	9,889	7,664	1.29027	1.20251	1.44185	194,565	34,378	249
2018-2019.....	21,003	15,200	1.38172	1.26433	1.49516	309,435	53,755	159
2019-2020.....	19,733	14,148	1.39478	1.33637	1.47481	284,566	49,839	180
2020-2021.....	7,273	5,814	1.25087	1.20888	1.30712	234,271	43,644	222
2021-2022.....	4,886	4,190	1.16628	1.14155	1.18388	169,140	34,411	(NA)
2022-2023.....	1,476	1,348	1.09461	1.07542	1.10026	61,504	12,958	(NA)

Crop year	Grapefruit juice					Tangerine juice			All Citrus	
	Concentrated ⁵		Chilled		Other ³ processed	Concentrated ²		Other ^{3,6} processed	Feed ⁷	Molasses
	Product	Boxes used	Product	Boxes used	Boxes used	Product	Boxes used	Boxes used		
									(1,000 gallons)	(1,000 boxes)
2003-2004.....	20,897	17,186	34,275	6,586	471	1,263	829	1,231	1,131	38
2004-2005.....	3,057	2,466	16,010	2,763	152	700	482	650	600	54
2005-2006.....	9,717	8,002	21,960	4,122	262	525	341	1,551	580	31
2006-2007.....	15,782	11,565	26,602	4,425	251	446	303	1,225	528	38
2007-2008.....	13,687	10,444	30,995	5,197	336	686	438	1,780	723	57
2008-2009.....	10,740	8,425	21,867	3,702	234	466	293	724	696	78
2009-2010.....	7,904	6,047	27,543	4,589	307	740	486	953	591	63
2010-2011.....	9,297	6,967	23,848	4,176	228	1,374	889	754	451	44
2011-2012.....	9,059	6,873	22,918	3,830	218	1,083	696	756	656	63
2012-2013.....	7,437	6,103	23,734	4,232	272	928	632	437	606	48
2013-2014.....	5,745	4,733	22,296	4,048	179	825	597	358	1,064	86
2014-2015.....	4,504	3,835	17,174	3,158	199	(NA)	(NA)	(NA)	742	41
2015-2016.....	3,275	2,770	16,191	3,064	20	276	216	241	592	42
2016-2017.....	2,169	1,814	12,850	2,363	46	575	380	386	287	33
2017-2018.....	600	556	7,376	1,556	24	138	100	164	226	14
2018-2019.....	696	602	10,092	1,976	11	304	211	236	643	32
2019-2020.....	565	471	12,218	2,242	0	229	157	225	272	7
2020-2021.....	327	309	9,337	1,791	13	180	136	155	(NA)	(NA)
2021-2022.....	224	200	7,155	1,327	(NA)	170	136	130	(NA)	(NA)
2022-2023.....	0	0	3,570	683	60	42	33	112	(NA)	(NA)

(NA) Not available.

¹ Includes tangelos and Temples through 2015-2016.

² 42.0 degrees Brix.

³ Includes sections and salads, canned, fresh squeezed, and blends. Tangerines may include chilled.

⁴ Includes tangelos through 2015-2016.

⁵ 40.0 degrees Brix.

⁶ Used primarily in FCOJ.

⁷ Pulp and meal, including pellets.

Source: See page 64, Data Sources, Items 2 & 3

Orange Production, Equivalent On-tree Price and Value, by State: Crop Years 2018-2019 through 2022-2023

Crop year	Utilization of production			Price per box			Value of production		
	Fresh (1,000 boxes)	Processed (1,000 boxes)	Total (1,000 boxes)	Fresh (dollars per box)	Processed (dollars per box)	Total (dollars per box)	Fresh (1,000 dollars)	Processed (1,000 dollars)	Total (1,000 dollars)
United States Oranges									
2018-2019.....	42,207	84,380	126,550	16.23	9.27	11.43	(NA)	(NA)	(NA)
2019-2020.....	46,823	76,017	122,840	16.74	7.30	10.90	(NA)	(NA)	(NA)
2020-2021.....	40,363	62,637	103,000	20.74	7.25	12.54	(NA)	(NA)	(NA)
2021-2022.....	34,628	45,872	80,500	25.60	8.09	15.62	(NA)	(NA)	(NA)
2022-2023 ¹	35,854	24,276	60,130	19.23	4.08	13.12	(NA)	(NA)	(NA)
Florida Oranges									
2018-2019.....	2,736	69,144	71,850	14.49	11.29	11.41	39,656	780,127	819,783
2019-2020.....	3,233	64,167	67,400	10.33	9.22	9.27	33,392	591,572	624,964
2020-2021.....	3,270	49,680	52,950	15.47	9.78	10.14	50,596	486,078	536,674
2021-2022.....	2,613	38,587	41,200	15.43	9.91	10.26	40,314	382,333	422,647
2022-2023 ¹	1,612	14,188	15,800	17.43	7.71	8.70	28,101	109,431	137,532
California Oranges									
2018-2019.....	38,400	13,800	52,200	(D)	(D)	10.53	(NA)	(NA)	(NA)
2019-2020.....	42,600	11,500	54,100	(D)	(D)	12.94	(NA)	(NA)	(NA)
2020-2021.....	36,300	12,700	49,000	(D)	(D)	15.00	(NA)	(NA)	(NA)
2021-2022.....	31,900	7,200	39,100	(D)	(D)	21.26	(NA)	(NA)	(NA)
2022-2023 ¹	33,400	9,800	43,200	(D)	(D)	14.78	(NA)	(NA)	(NA)
Texas Oranges									
2018-2019.....	1,070	1,430	2,500	(D)	(D)	8.12	(NA)	(NA)	(NA)
2019-2020.....	990	350	1,340	(D)	(D)	10.46	(NA)	(NA)	(NA)
2020-2021.....	793	257	1,050	(D)	(D)	18.86	(NA)	(NA)	(NA)
2021-2022.....	115	85	200	(D)	(D)	17.10	(NA)	(NA)	(NA)
2022-2023 ¹	842	288	1,130	(D)	(D)	11.30	(NA)	(NA)	(NA)

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ 2022-2023 preliminary.

Orange Production, Equivalent On-tree Price and Value, by State by Type: Crop Years 2018-2019 through 2022-2023

Crop year	Utilization of production			Price per box			Value of production		
	Fresh	Processed	Total	Fresh	Processed	Total	Fresh	Processed	Total
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars per box)	(dollars per box)	(dollars per box)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Florida Non-Valencia ¹									
2018-2019	1,504	28,896	30,400	15.31	9.60	9.85	23,086	277,402	300,488
2019-2020	1,510	28,140	29,650	10.19	7.81	7.93	15,387	219,773	235,160
2020-2021	1,538	21,162	22,700	15.51	8.55	9.02	23,854	180,935	204,789
2021-2022	1,334	16,916	18,250	14.87	9.24	9.65	19,837	156,304	176,141
2022-2023 ²	741	5,409	6,150	18.34	6.76	8.15	13,590	36,565	50,155
Florida Non-Valencia (Excluding Navels)									
2018-2019	1,067	28,583	29,650	12.75	9.60	9.71	13,604	274,397	288,001
2019-2020	1,072	27,778	28,850	9.00	7.80	7.84	9,648	216,668	226,316
2020-2021	1,186	20,934	22,120	14.05	8.55	8.84	16,663	178,986	195,649
2021-2022	1,008	16,752	17,760	13.75	9.25	9.51	13,860	154,956	168,816
2022-2023 ²	555	5,355	5,910	17.95	6.75	7.80	9,962	36,146	46,108
Florida Navel Oranges									
2018-2019	437	313	750	21.55	4.75	14.54	9,417	1,487	10,904
2019-2020	438	362	800	13.20	7.60	10.67	5,782	2,751	8,533
2020-2021	352	228	580	20.35	5.70	14.59	7,163	1,300	8,463
2021-2022	326	164	490	18.45	6.15	14.33	6,015	1,009	7,024
2022-2023 ²	186	54	240	19.45	6.70	16.58	3,618	362	3,980
Florida Valencia (Late) Oranges									
2018-2019	1,232	40,218	41,450	13.43	12.54	12.56	16,570	502,725	519,295
2019-2020	1,723	36,027	37,750	10.45	10.32	10.33	18,005	371,799	389,804
2020-2021	1,732	28,518	30,250	15.44	10.70	10.97	26,742	305,143	331,885
2021-2022	1,279	21,671	22,950	16.01	10.43	10.74	20,477	226,029	246,506
2022-2023 ²	871	8,779	9,650	16.66	8.30	9.05	14,511	72,866	87,377
California Navel and Miscellaneous Oranges									
2018-2019	31,400	10,600	42,000	(D)	(D)	11.32	(NA)	(NA)	(NA)
2019-2020	34,300	9,000	43,300	(D)	(D)	12.31	(NA)	(NA)	(NA)
2020-2021	30,900	10,400	41,300	(D)	(D)	15.41	(NA)	(NA)	(NA)
2021-2022	26,400	5,100	31,500	(D)	(D)	21.28	(NA)	(NA)	(NA)
2022-2023 ²	28,400	8,100	36,500	(D)	(D)	15.12	(NA)	(NA)	(NA)
California Valencia Oranges									
2018-2019	7,000	3,200	10,200	(D)	(D)	7.26	(NA)	(NA)	(NA)
2019-2020	8,300	2,500	10,800	(D)	(D)	15.47	(NA)	(NA)	(NA)
2020-2021	5,400	2,300	7,700	(D)	(D)	12.77	(NA)	(NA)	(NA)
2021-2022	5,500	2,100	7,600	(D)	(D)	21.19	(NA)	(NA)	(NA)
2022-2023 ²	5,000	1,700	6,700	(D)	(D)	12.94	(NA)	(NA)	(NA)

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Some values of production may not add due to rounding.

² 2022-2023 preliminary.

Grapefruit Production, Equivalent On-tree Price and Value, by State by Type: Crop Years 2018-2019 through 2022-2023

Crop year	Utilization of production			Price per box			Value of production		
	Fresh (1,000 boxes)	Processed (1,000 boxes)	Total (1,000 boxes)	Fresh (dollars per box)	Processed (dollars per box)	Total (dollars per box)	Fresh (1,000 dollars)	Processed (1,000 dollars)	Total (1,000 dollars)
United States Grapefruit									
2018-2019.....	6,921	7,889	14,810	20.68	2.84	11.18	(NA)	(NA)	(NA)
2019-2020.....	7,887	6,063	13,950	18.80	2.37	11.66	(NA)	(NA)	(NA)
2020-2021.....	7,037	3,663	10,700	27.07	3.47	18.99	(NA)	(NA)	(NA)
2021-2022.....	4,356	4,774	9,130	28.44	1.16	14.18	(NA)	(NA)	(NA)
2022-2023 ¹	5,144	2,916	8,060	27.51	2.07	18.30	(NA)	(NA)	(NA)
Florida Grapefruit ²									
2018-2019.....	1,921	2,589	4,510	21.43	9.48	14.57	41,176	24,548	65,724
2019-2020.....	2,137	2,713	4,850	15.67	6.19	10.36	33,487	16,793	50,280
2020-2021.....	1,987	2,113	4,100	22.37	6.85	14.37	44,449	14,474	58,923
2021-2022.....	1,826	1,504	3,330	25.05	8.65	17.64	45,741	13,010	58,751
2022-2023 ¹	1,067	743	1,810	30.26	10.75	22.25	32,287	7,987	40,274
Florida Red Grapefruit ²									
2018-2019.....	1,700	2,040	3,740	20.75	9.45	14.56	35,275	19,278	54,553
2019-2020.....	1,942	2,118	4,060	16.15	5.92	10.81	31,363	12,539	43,902
2020-2021.....	1,839	1,641	3,480	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2021-2022.....	1,671	1,159	2,830	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2022-2023 ¹	945	615	1,560	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Florida White Grapefruit ²									
2018-2019.....	221	549	770	26.70	9.60	14.48	5,901	5,270	11,171
2019-2020.....	195	595	790	10.85	7.07	8.00	2,116	4,207	6,323
2020-2021.....	148	472	620	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2021-2022.....	155	345	500	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2022-2023 ¹	122	128	250	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
California Grapefruit ³									
2018-2019.....	2,600	1,600	4,200	(D)	(D)	10.47	(NA)	(NA)	(NA)
2019-2020.....	3,700	1,000	4,700	(D)	(D)	15.03	(NA)	(NA)	(NA)
2020-2021.....	3,600	600	4,200	(D)	(D)	24.32	(NA)	(NA)	(NA)
2021-2022.....	1,700	2,400	4,100	(D)	(D)	9.59	(NA)	(NA)	(NA)
2022-2023 ¹	2,800	1,200	4,000	(D)	(D)	14.79	(NA)	(NA)	(NA)
Texas Grapefruit									
2018-2019.....	2,400	3,700	6,100	(D)	(D)	9.17	(NA)	(NA)	(NA)
2019-2020.....	2,050	2,350	4,400	(D)	(D)	9.49	(NA)	(NA)	(NA)
2020-2021.....	1,450	950	2,400	(D)	(D)	17.53	(NA)	(NA)	(NA)
2021-2022.....	830	870	1,700	(D)	(D)	18.43	(NA)	(NA)	(NA)
2022-2023 ¹	1,277	973	2,250	(D)	(D)	21.38	(NA)	(NA)	(NA)

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ 2022-2023 preliminary.

² Includes seedy grapefruit.

³ Includes pummelos.

**Tangerine and Lemon Production, Equivalent On-tree Price and Value, by State by Type:
Crop Years 2018-2019 through 2022-2023**

Crop year	Utilization of production			Price per box			Value of production		
	Fresh	Processed	Total	Fresh	Processed	Total	Fresh	Processed	Total
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars per box)	(dollars per box)	(dollars per box)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
United States Tangerines									
2018-2019	18,843	8,647	27,490	34.05	-4.65	21.87	(NA)	(NA)	(NA)
2019-2020	18,038	5,382	23,420	42.44	-5.14	31.50	(NA)	(NA)	(NA)
2020-2021	19,899	9,791	29,690	39.49	-5.03	24.81	(NA)	(NA)	(NA)
2021-2022	12,984	5,266	18,250	51.03	-5.03	34.85	(NA)	(NA)	(NA)
2022-2023 ¹	16,835	7,345	24,180	43.61	-3.01	29.45	(NA)	(NA)	(NA)
Florida Tangerines and Tangelos									
2018-2019	543	447	990	27.25	4.63	17.04	14,797	2,070	16,867
2019-2020	638	382	1,020	32.50	0.50	20.52	20,735	191	20,926
2020-2021	599	291	890	27.85	1.50	19.23	16,682	437	17,119
2021-2022	484	266	750	38.10	2.80	25.58	18,440	745	19,185
2022-2023 ¹	335	145	480	48.10	0.20	33.63	16,114	29	16,143
California Tangerines ²									
2018-2019	18,300	8,200	26,500	(D)	(D)	22.06	(NA)	(NA)	(NA)
2019-2020	17,400	5,000	22,400	(D)	(D)	31.98	(NA)	(NA)	(NA)
2020-2021	19,300	9,500	28,800	(D)	(D)	24.97	(NA)	(NA)	(NA)
2021-2022	12,500	5,000	17,500	(D)	(D)	35.25	(NA)	(NA)	(NA)
2022-2023 ¹	16,500	7,200	23,700	(D)	(D)	29.37	(NA)	(NA)	(NA)
United States Lemons									
2018-2019	18,430	6,620	25,050	(D)	(D)	22.88	(NA)	(NA)	(NA)
2019-2020	18,800	8,300	27,100	(D)	(D)	18.18	(NA)	(NA)	(NA)
2020-2021	17,788	4,362	22,150	(D)	(D)	23.23	(NA)	(NA)	(NA)
2021-2022	17,149	9,301	26,450	(D)	(D)	15.74	(NA)	(NA)	(NA)
2022-2023 ¹	18,574	9,326	27,900	(D)	(D)	15.33	(NA)	(NA)	(NA)
California Lemons									
2018-2019	17,500	6,200	23,700	(D)	(D)	22.74	(NA)	(NA)	(NA)
2019-2020	17,500	7,800	25,300	(D)	(D)	17.95	(NA)	(NA)	(NA)
2020-2021	17,200	4,200	21,400	(D)	(D)	23.30	(NA)	(NA)	(NA)
2021-2022	16,300	8,900	25,200	(D)	(D)	15.60	(NA)	(NA)	(NA)
2022-2023 ¹	17,600	8,900	26,500	(D)	(D)	15.30	(NA)	(NA)	(NA)
Arizona Lemons									
2018-2019	930	420	1,350	(D)	(D)	25.39	(NA)	(NA)	(NA)
2019-2020	1,300	500	1,800	(D)	(D)	21.38	(NA)	(NA)	(NA)
2020-2021	588	162	750	(D)	(D)	21.30	(NA)	(NA)	(NA)
2021-2022	849	401	1,250	(D)	(D)	18.75	(NA)	(NA)	(NA)
2022-2023 ¹	974	426	1,400	(D)	(D)	16.05	(NA)	(NA)	(NA)

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ 2022-2023 preliminary.

² Includes tangelos.

Citrus Production by County, by Type – Florida: 2022-2023

County	All citrus (1,000 boxes)	Oranges			Grapefruit			Tangerines and Tangelos (1,000 boxes)
		Non-Valencia (1,000 boxes)	Valencia (1,000 boxes)	All (1,000 boxes)	Red (1,000 boxes)	White (1,000 boxes)	All (1,000 boxes)	
Brevard	17	13	4	17	-	-	-	-
Charlotte	443	105	330	435	8	-	8	-
Collier.....	910	165	727	892	13	-	13	5
DeSoto.....	2,261	924	1,292	2,216	41	-	41	4
Glades.....	111	39	59	98	-	-	-	13
Hardee	1,504	952	521	1,473	10	3	13	18
Hendry	1,872	396	1,462	1,858	11	-	11	3
Highlands.....	2,780	896	1,847	2,743	28	-	28	9
Hillsborough.....	23	10	13	23	-	-	-	-
Indian River.....	867	89	90	179	464	47	511	177
Lake.....	530	281	184	465	44	-	44	21
Lee.....	106	7	97	104	(D)	(D)	(D)	(D)
Manatee.....	329	142	159	301	(D)	(D)	(D)	(D)
Marion.....	37	30	5	35	(D)	(D)	(D)	(D)
Okeechobee.....	110	34	28	62	5	-	5	43
Orange.....	51	38	13	51	-	-	-	-
Osceola.....	373	191	163	354	18	-	18	1
Pasco.....	62	56	6	62	-	-	-	-
Polk.....	3,522	1,637	1,735	3,372	30	-	30	120
St. Lucie.....	2,098	100	889	989	872	200	1,072	37
Sarasota.....	32	4	16	20	12	-	12	-
Volusia.....	33	26	7	33	-	-	-	-
Other ¹	19	15	3	18	(D)	(D)	(D)	(D)
Total.....	18,090	6,150	9,650	15,800	1,560	250	1,810	480

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

¹ Citrus, Hernando, Putnam, and Seminole counties.

Certified Fresh Exports, by Week by Type – Florida: Crop Year 2022-2023

Week ending	Oranges		Grapefruit		Tangerines and Tangelos	Total exports
	Non-Valencia (1,000 cartons)	Valencia (1,000 cartons)	White (1,000 cartons)	Red (1,000 cartons)		
Sep 4, 2022	-	-	-	-	-	-
Sep 11, 2022	-	-	-	-	-	-
Sep 18, 2022	-	-	-	-	-	-
Sep 25, 2022	-	-	-	-	-	-
Sep 30, 2022	-	-	-	-	-	-
Oct 9, 2022	-	-	-	-	-	-
Oct 16, 2022	-	-	-	1	-	1
Oct 23, 2022	1	-	-	2	-	3
Oct 30, 2022	1	-	-	5	1	7
Nov 6, 2022	5	-	-	6	-	11
Nov 13, 2022	3	-	8	19	1	31
Nov 20, 2022	1	-	3	15	-	19
Nov 27, 2022	2	-	3	17	-	22
Dec 4, 2022	2	-	1	13	-	16
Dec 11, 2022	3	-	4	31	-	38
Dec 18, 2022	6	-	2	26	1	35
Dec 25, 2022	2	-	1	15	1	19
Jan 1, 2023	2	-	-	15	1	18
Jan 8, 2023	4	1	3	21	-	29
Jan 15, 2023	3	1	2	18	-	24
Jan 22, 2023	1	2	1	21	-	25
Jan 29, 2023	2	4	4	22	-	32
Feb 5, 2023	2	5	2	27	-	36
Feb 12, 2023	-	5	-	16	-	21
Feb 19, 2023	-	7	1	14	-	22
Feb 26, 2023	-	4	-	11	-	15
Mar 5, 2023	-	3	-	7	-	10
Mar 12, 2023	-	7	-	4	-	11
Mar 19, 2023	-	4	-	1	-	5
Mar 26, 2023	-	3	-	-	-	3
Apr 2, 2023	-	3	-	-	-	3
Apr 9, 2023	-	3	-	-	-	3
Apr 16, 2023	-	1	-	-	-	1
Apr 23, 2023	-	2	-	-	-	2
Apr 30, 2023	-	2	-	-	-	2
May 7, 2023	-	1	-	-	-	1
May 14, 2023	-	1	-	-	-	1
May 21, 2023	-	1	-	-	-	1
May 28, 2023	-	-	-	-	-	-
Jun 4, 2023	-	-	-	-	-	-
Jun 11, 2023	-	-	-	-	-	-
Jun 18, 2023	-	-	-	-	-	-
Jun 25, 2023	-	-	-	-	-	-
Jul 30, 2023	-	-	-	-	-	-
July Total	-	-	-	-	-	-
Total	40	60	35	327	5	467

- Represents zero.

Source: See page 72, Data Sources, Item 2

Citrus Certified Exports, by Type – Florida: Crop Years 2013-2014 through 2022-2023

Crop year	Oranges ¹			Grapefruit			Specialty fruit ²			Total
	Commercial	Government	Total	Commercial	Government	Total	Commercial	Government	Total	
	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)
2013-2014.....	652	-	652	6,981	-	6,981	188	-	188	7,821
2014-2015.....	705	-	705	6,124	-	6,124	157	-	157	6,986
2015-2016.....	630	-	630	5,280	-	5,280	66	-	66	5,976
2016-2017.....	418	-	418	3,831	-	3,831	51	-	51	4,300
2017-2018.....	364	-	364	1,729	-	1,729	19	-	19	2,112
2018-2019.....	308	-	308	1,705	-	1,705	34	-	34	2,047
2019-2020.....	263	-	263	1,861	-	1,861	37	-	37	2,161
2020-2021.....	218	-	218	1,330	-	1,330	34	-	34	1,582
2021-2022.....	170	-	170	916	-	916	15	-	15	1,101
2022-2023.....	99	1	100	362	-	362	5	-	5	467

- Represents zero.

¹ Temples included from 2013-2014 to 2015-2016.

² Includes tangelos. From 2013-2014 to 2015-2016, includes Fallglo, Sunburst, and Honey tangerines. In 2016-2017, includes Fallglo, Sunburst, Royal (previously Temples), and Honey tangerine varieties. Beginning In 2017-2018, includes all certified varieties of tangerines.

Source: See Page 111, Data Sources, Item 4.

Citrus Fresh Exports, by Destination by Type – Florida: Crop Years 2021-2022 and 2022-2023

Destination	Grapefruit		Oranges ¹		Tangerines ²		Total ³	
	2021-2022	2022-2023	2021-2022	2022-2023	2021-2022	2022-2023	2021-2022	2022-2023
	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)	(1,000 cartons)
Canada	163	99	151	88	10	3	324	190
Belgium.....	325	152	-	-	-	-	325	152
Japan.....	202	52	-	-	-	-	202	52
South Korea.....	119	23	-	-	-	-	119	23
Puerto Rico.....	16	8	19	11	5	2	40	21
United Kingdom.....	18	13	-	-	-	-	18	13
Holland.....	55	12	-	-	-	-	55	12
Ethiopia.....	-	2	-	(Z)	-	-	-	2
Bermuda.....	-	1	-	-	-	-	-	1
Canal Zone.....	-	-	-	1	-	-	-	1
England.....	17	-	-	-	-	-	17	-
Tunisia.....	1	-	-	-	-	-	1	-
Total ³.....	916	362	170	100	15	5	1,101	467

- Represents zero.

(Z) Less than half of the unit shown.

¹ Includes tangelos.

² Includes all certified varieties of tangerines.

³ Some figures may not add due to rounding.

Source: See page 72, Data Sources, Item 2

Citrus Boxes of Fruit Processed, by Week by Type – Florida: Crop Years 2021-2022 and 2022-2023

Week Ending	Oranges		Grapefruit		Tangerines and Tangelos	
	2021-2022 ¹	2022-2023 ²	2021-2022 ¹	2022-2023 ²	2021-2022 ¹	2022-2023 ²
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Sep 7, 2022	-	-	-	-	-	-
Sep 14, 2022	-	-	-	-	-	-
Sep 21, 2022	-	-	-	-	-	-
Sep 28, 2022	-	-	-	-	-	-
Sep 30, 2022	5	-	-	-	-	-
Oct 9, 2022	-	-	-	-	-	-
Oct 16, 2022	3	-	3	-	2	-
Oct 23, 2022	9	9	8	1	5	1
Oct 30, 2022	15	13	6	6	5	1
Nov 6, 2022	43	21	20	7	9	1
Nov 13, 2022	25	27	15	11	4	1
Nov 20, 2022	47	35	18	22	3	2
Nov 27, 2022	30	18	20	11	3	5
Dec 4, 2022	824	393	39	37	5	3
Dec 11, 2022	1,406	841	27	28	14	4
Dec 18, 2022	2,019	987	45	28	16	2
Dec 25, 2022	1,332	832	32	29	10	6
Jan 1, 2023	1,808	784	54	29	13	8
Jan 8, 2023	2,103	755	75	51	12	14
Jan 15, 2023	1,969	209	92	48	22	10
Jan 22, 2023	1,978	191	109	39	12	5
Jan 29, 2023	1,722	37	73	41	11	7
Feb 5, 2023	1,102	171	136	52	22	26
Feb 12, 2023	1,318	213	152	65	20	7
Feb 19, 2023	1,175	22	107	66	22	12
Feb 26, 2023	585	33	66	58	24	11
Mar 5, 2023	1,961	621	43	44	4	4
Mar 12, 2023	1,057	865	96	36	6	3
Mar 19, 2023	1,660	1,127	66	12	7	-
Mar 26, 2023	1,844	1,196	69	15	8	7
Apr 2, 2023	2,136	1,103	63	5	3	3
Apr 9, 2023	2,169	1,190	38	-	-	2
Apr 16, 2023	1,663	956	27	-	2	-
Apr 23, 2023	2,246	854	-	-	-	-
Apr 30, 2023	1,523	436	3	2	-	-
May 7, 2023	2,029	173	1	-	-	-
May 14, 2023	318	4	-	-	-	-
May 21, 2023	40	35	-	-	-	-
May 28, 2023	144	2	1	-	2	-
Jun 4, 2023	34	12	-	-	-	-
Jun 11, 2023	-	2	-	-	-	-
Jun 18, 2023	7	5	-	-	-	-
Jun 25, 2023	28	2	-	-	-	-
Jul 2, 2023	21	-	-	-	-	-
July Total	60	14	-	-	-	-
(Aug-Dec)	129	(NA)	-	(NA)	-	(NA)
Total	38,587	14,188	1,504	743	266	145

- Represents zero.

(NA) Not available.

¹ Revised.

² Preliminary.

Source: See page 64, Data Sources, Item 2

Citrus Distribution of Recorded Utilization, by Type by Month – Florida: Crop Years 2018-2019 through 2022-2023

Crop year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Fresh Orange Shipments												
2018-2019	(S)	7	14	14	12	11	12	13	11	5	1	100
2019-2020	(S)	6	12	13	12	12	14	14	12	5	(S)	100
2020-2021	1	10	10	12	11	12	14	13	11	5	1	100
2021-2022	(S)	7	13	15	15	12	13	12	8	4	1	100
2022-2023	(S)	8	14	13	12	12	19	12	8	2	(S)	100
Processed Orange Usage												
2018-2019	(NA)	(S)	1	15	18	8	16	21	18	3	(S)	100
2019-2020	(NA)	(S)	(S)	15	21	11	21	21	11	(S)	(S)	100
2020-2021	(S)	(S)	(S)	17	21	7	22	22	11	(S)	(S)	100
2021-2022	(S)	(S)	1	18	21	11	20	22	7	(S)	(S)	100
2022-2023	(S)	(S)	2	26	9	4	32	25	2	(S)	(S)	100
Fresh Grapefruit Shipments												
2018-2019	(S)	8	19	20	20	17	11	4	1	(S)	(NA)	100
2019-2020	(S)	10	18	17	20	17	14	4	(S)	(NA)	(NA)	100
2020-2021	1	14	17	19	18	17	13	1	(S)	(NA)	(NA)	100
2021-2022	(NA)	7	17	19	20	18	16	3	(S)	(NA)	(NA)	100
2022-2023	(NA)	8	22	23	21	17	9	(NA)	(NA)	(NA)	(NA)	100
Processed Grapefruit Usage												
2018-2019	(NA)	1	6	12	21	28	27	4	1	(S)	(NA)	100
2019-2020	(NA)	1	6	9	25	32	23	4	(S)	(NA)	(NA)	100
2020-2021	(NA)	3	7	15	25	31	18	1	(S)	(NA)	(NA)	100
2021-2022	(NA)	1	6	12	26	30	21	4	(S)	(NA)	(NA)	100
2022-2023	(NA)	1	9	18	27	32	13	(NA)	(NA)	(NA)	(NA)	100
Fresh Tangerine and Tangelo Shipments												
2018-2019	1	9	14	20	28	15	10	3	(NA)	(NA)	(NA)	100
2019-2020	1	9	12	25	33	14	5	1	(NA)	(NA)	(NA)	100
2020-2021	2	10	10	23	37	12	5	1	(NA)	(NA)	(NA)	100
2021-2022	2	12	12	20	29	21	3	1	(NA)	(NA)	(NA)	100
2022-2023	2	5	8	35	34	13	3	(NA)	(NA)	(NA)	(NA)	100

(NA) Not available, (no shipments or usage).

(S) Insufficient number to establish an estimate, (less than one percent).

Maturity and Yield Test Results: Unadjusted Averages for Regular Bloom Fruit from Sample Groves – Early Non-Valencia Oranges: Crop Years 2018-2019 through 2022-2023

[Averages of regular bloom fruit from sample groves. Samples were run through an FMC-091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups.]

Crop year	Sample groves	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
September 1						
2018-2019.....	120	1.19	8.84	7.51	43.68	3.86
2019-2020.....	120	1.21	9.06	7.58	45.11	4.09
2020-2021.....	120	1.21	8.82	7.42	44.44	3.91
2021-2022.....	120	1.16	9.10	7.92	43.73	3.98
2022-2023.....	120	1.25	9.13	7.37	43.31	3.95
October 1						
2018-2019.....	120	0.86	9.22	10.94	49.09	4.52
2019-2020.....	120	0.89	9.69	11.04	49.65	4.81
2020-2021.....	120	0.88	9.18	10.58	49.74	4.57
2021-2022.....	119	0.90	8.99	10.06	48.01	4.32
2022-2023.....	120	0.91	9.15	10.25	46.80	4.28
November 1						
2018-2019.....	120	0.69	9.75	14.36	50.27	4.90
2019-2020.....	119	0.64	10.26	16.08	51.37	5.27
2020-2021.....	116	0.67	9.50	14.34	50.90	4.83
2021-2022.....	119	0.72	9.53	13.43	50.19	4.78
2022-2023.....	120	0.76	9.16	12.20	49.70	4.55
December 1						
2018-2019.....	120	0.62	10.05	16.47	52.03	5.23
2019-2020.....	119	0.60	10.46	17.61	52.68	5.51
2020-2021.....	113	0.59	9.83	16.75	52.51	5.17
2021-2022.....	118	0.65	9.49	14.58	51.46	4.89
2022-2023.....	113	0.64	9.21	14.63	51.33	4.73
January 1						
2018-2019.....	69	0.57	10.69	18.89	50.35	5.39
2019-2020.....	88	0.55	10.74	19.57	52.10	5.60
2020-2021.....	73	0.58	10.41	18.17	50.83	5.29
2021-2022.....	66	0.62	10.00	16.21	51.84	5.18
2022-2023.....	64	0.61	9.04	14.97	49.60	4.49
February 1						
2018-2019.....	26	0.61	11.27	18.78	49.38	5.57
2019-2020.....	23	0.54	10.99	20.28	49.62	5.47
2020-2021.....	17	0.59	10.89	18.61	50.81	5.55
2021-2022.....	11	0.66	11.39	17.43	50.21	5.72
2022-2023.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.

Maturity and Yield Test Results: Unadjusted Averages for Regular Bloom Fruit from Sample Groves – Midseason Non-Valencia Oranges: Crop Years 2018-2019 through 2022-2023

[Averages of regular bloom fruit from sample groves. Samples were run through an FMC-091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups.]

Crop year	Sample groves	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
September 1						
2018-2019	55	1.32	8.93	6.84	44.64	3.99
2019-2020	55	1.37	9.04	6.71	45.55	4.12
2020-2021	55	1.26	8.57	6.91	45.27	3.88
2021-2022	54	1.32	8.74	6.78	44.96	3.93
2022-2023	55	1.36	8.88	6.57	43.36	3.85
October 1						
2018-2019	55	0.94	9.31	10.02	49.78	4.64
2019-2020	55	1.04	9.76	9.54	49.37	4.81
2020-2021	55	0.97	9.00	9.45	50.04	4.51
2021-2022	54	1.02	8.80	8.78	48.75	4.29
2022-2023	55	0.99	8.94	9.15	47.63	4.26
November 1						
2018-2019	55	0.80	10.00	12.84	50.84	5.08
2019-2020	55	0.76	10.34	13.86	51.62	5.34
2020-2021	53	0.79	9.31	12.02	51.83	4.83
2021-2022	53	0.80	9.20	11.67	50.36	4.63
2022-2023	55	0.82	8.86	10.87	50.07	4.44
December 1						
2018-2019	54	0.72	10.30	14.50	52.41	5.40
2019-2020	54	0.67	10.63	15.94	52.85	5.62
2020-2021	52	0.66	9.69	14.80	53.37	5.17
2021-2022	52	0.74	9.34	12.86	52.40	4.90
2022-2023	50	0.72	8.96	12.62	51.94	4.66
January 1						
2018-2019	44	0.66	10.77	16.71	51.41	5.54
2019-2020	38	0.67	10.86	16.52	53.82	5.84
2020-2021	35	0.60	9.91	16.63	51.69	5.12
2021-2022	38	0.65	9.67	15.02	51.99	5.03
2022-2023	34	0.69	9.03	13.19	52.76	4.76
February 1						
2018-2019	14	0.67	11.13	17.24	48.92	5.44
2019-2020	11	0.70	10.85	15.73	54.59	5.91
2020-2021	10	0.59	10.21	17.57	51.37	5.25
2021-2022	11	0.74	10.70	15.25	51.22	5.48
2022-2023	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.

Maturity and Yield Test Results: Unadjusted Averages for Regular Bloom Fruit from Sample Groves – Valencia Oranges: Crop Years 2018-2019 through 2022-2023

[Averages of regular bloom fruit from sample groves. Samples were run through an FMC-091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups.]

Crop year	Sample groves	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
October 1						
2018-2019.....	150	1.90	8.56	4.54	46.30	3.96
2019-2020.....	150	1.97	9.08	4.68	47.73	4.33
2020-2021.....	150	1.79	8.75	4.95	48.55	4.25
2021-2022.....	150	2.00	8.66	4.37	46.41	4.02
2022-2023.....	150	1.94	8.95	4.66	46.80	4.19
November 1						
2018-2019.....	150	1.52	9.15	6.11	49.87	4.56
2019-2020.....	150	1.47	9.48	6.57	51.73	4.90
2020-2021.....	150	1.48	8.84	6.06	50.65	4.48
2021-2022.....	150	1.57	9.07	5.88	48.98	4.44
2022-2023.....	150	1.62	8.90	5.58	49.66	4.42
December 1						
2018-2019.....	150	1.26	9.60	7.70	52.15	5.01
2019-2020.....	150	1.24	9.48	7.88	53.82	5.11
2020-2021.....	150	1.22	9.17	7.63	52.88	4.85
2021-2022.....	150	1.35	9.25	6.91	51.36	4.75
2022-2023.....	149	1.27	9.00	7.21	52.20	4.70
January 1						
2018-2019.....	150	1.05	10.55	10.19	52.79	5.57
2019-2020.....	150	1.04	10.14	9.88	54.50	5.53
2020-2021.....	150	1.08	9.61	8.97	53.59	5.15
2021-2022.....	150	1.18	9.49	8.11	52.79	5.01
2022-2023.....	147	1.13	9.21	8.21	53.84	4.95
February 1						
2018-2019.....	149	1.00	11.12	11.18	52.24	5.80
2019-2020.....	150	0.91	10.58	11.78	55.16	5.84
2020-2021.....	150	0.99	10.15	10.32	54.03	5.48
2021-2022.....	150	1.07	9.82	9.32	52.28	5.14
2022-2023.....	145	1.00	9.49	9.59	54.41	5.17

--continued

Maturity and Yield Test Results: Unadjusted Averages for Regular Bloom Fruit from Sample Groves – Valencia Oranges: Crop Years 2018-2019 through 2022-2023 (continued)

[Averages of regular bloom fruit from sample groves. Samples were run through an FMC-091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups.]

Crop year	Sample groves	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
March 1						
2018-2019	149	0.85	11.54	13.71	53.65	6.19
2019-2020	144	0.83	10.96	13.36	55.50	6.08
2020-2021	140	0.87	10.48	12.24	53.99	5.66
2021-2022	140	0.98	10.02	10.25	53.89	5.40
2022-2023	142	0.92	9.74	10.74	54.88	5.35
April 1						
2018-2019	108	0.80	11.67	14.70	54.89	6.40
2019-2020	77	0.72	11.29	15.77	56.16	6.35
2020-2021	83	0.77	10.82	14.13	54.29	5.87
2021-2022	92	0.86	10.27	12.10	54.16	5.57
2022-2023	44	0.72	9.21	12.89	54.32	5.00
May 1						
2018-2019	49	0.65	11.81	18.37	54.37	6.43
2019-2020	37	0.62	11.77	19.05	55.82	6.57
2020-2021	18	0.71	11.29	16.22	54.12	6.12
2021-2022	23	0.75	10.25	13.89	54.65	5.60
2022-2023	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Monthly maturity and yield test results for early and midseason non-Valencia oranges are published from September 1 through February 1, for Valencia oranges October 1 through May 1, and for grapefruit September 1 through December 1. Results of maturity tests are averages for the State, using only regular bloom fruit. Sample groves and trees remain relatively constant from season to season. Each sample was weighed, juiced, and tested in a laboratory used by the Florida Agricultural Statistics Service.

Maturity and Yield Test Results: Unadjusted Averages for Regular Bloom Fruit from Sample Groves – Red Seedless Grapefruit: Crop Years 2018-2019 through 2022-2023

[Averages of regular bloom fruit from sample groves. Samples were run through an FMC-091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups.]

Crop year	Sample groves	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
September 1						
2018-2019.....	50	1.44	9.72	6.79	36.75	3.58
2019-2020.....	50	1.53	10.10	6.63	39.41	3.98
2020-2021.....	50	1.46	9.89	6.80	38.64	3.82
2021-2022.....	50	1.42	9.70	6.86	38.88	3.77
2022-2023.....	50	1.53	10.44	6.86	39.09	4.08
October 1						
2018-2019.....	50	1.22	9.48	7.80	42.49	4.03
2019-2020.....	50	1.31	10.21	7.84	46.18	4.71
2020-2021.....	50	1.25	9.79	7.86	44.43	4.35
2021-2022.....	50	1.35	9.92	7.37	44.92	4.46
2022-2023.....	50	1.38	10.05	7.33	46.03	4.63
November 1						
2018-2019.....	50	1.16	10.00	8.69	50.27	5.02
2019-2020.....	50	1.19	10.39	8.80	49.16	5.11
2020-2021.....	49	1.08	9.51	8.88	51.06	4.85
2021-2022.....	50	1.19	9.67	8.14	48.67	4.71
2022-2023.....	48	1.27	9.86	7.83	49.68	4.90
December 1						
2018-2019.....	46	1.16	9.95	8.68	52.36	5.21
2019-2020.....	48	1.17	10.09	8.65	51.96	5.23
2020-2021.....	45	1.02	9.13	9.03	52.15	4.77
2021-2022.....	49	1.21	9.65	8.00	52.23	5.04
2022-2023.....	43	1.15	9.73	8.50	52.54	5.11

Maturity and Yield Test Results: Unadjusted Averages for Regular Bloom Fruit from Sample Groves – White Seedless Grapefruit: Crop Years 2018-2019 through 2022-2023

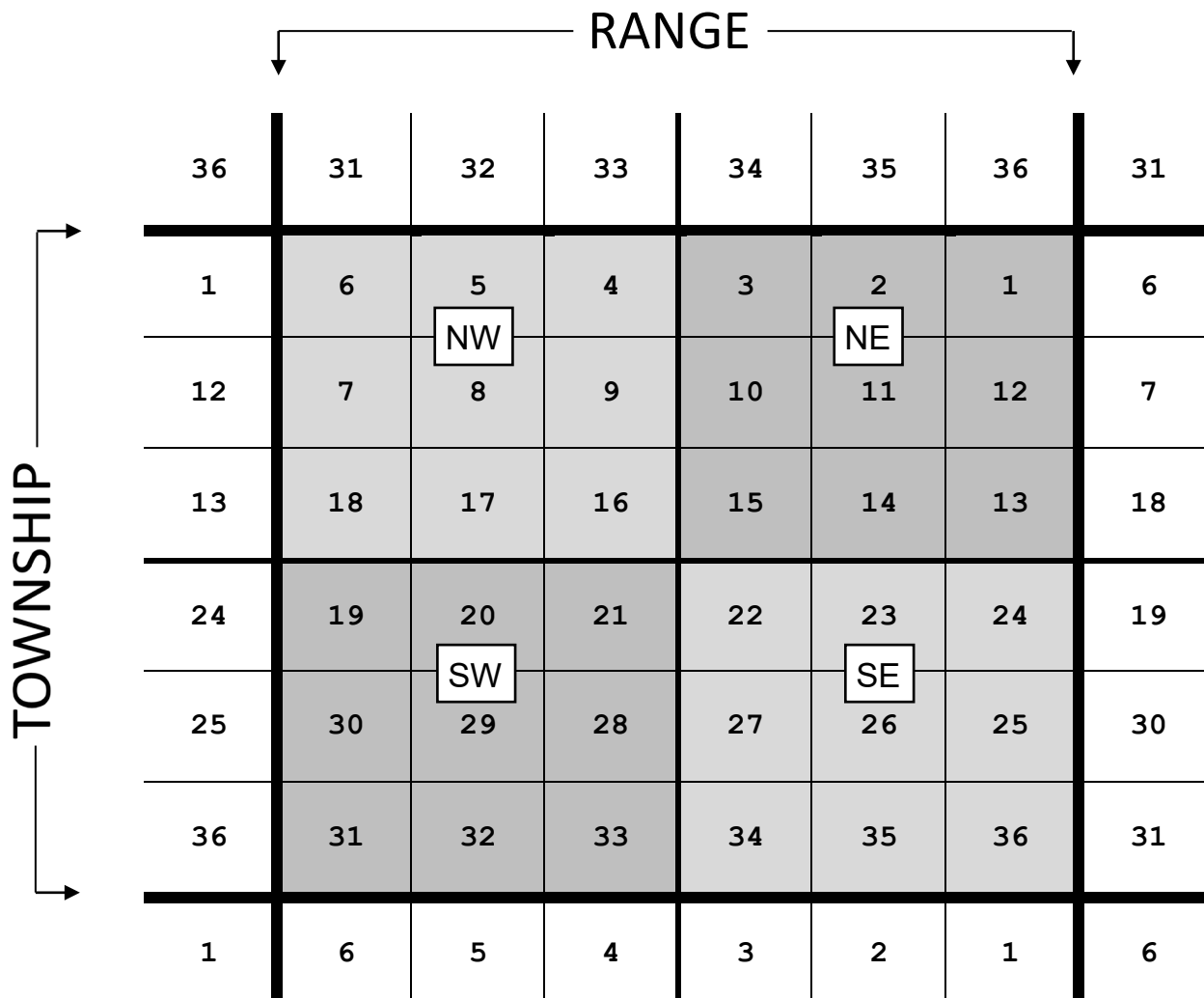
[Averages of regular bloom fruit from sample groves. Samples were run through an FMC-091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups.]

Crop year	Sample groves	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
September 1						
2018-2019	50	1.53	9.84	6.45	36.37	3.58
2019-2020	50	1.63	10.32	6.36	38.92	4.02
2020-2021	49	1.46	9.99	6.88	39.06	3.90
2021-2022	50	1.55	9.98	6.44	39.04	3.89
2022-2023	50	1.64	10.57	6.49	40.41	4.27
October 1						
2018-2019	50	1.36	9.61	7.10	42.63	4.10
2019-2020	49	1.41	10.33	7.37	46.00	4.75
2020-2021	49	1.31	10.00	7.65	44.18	4.41
2021-2022	50	1.36	9.97	7.34	46.36	4.62
2022-2023	50	1.50	10.19	6.83	46.82	4.76
November 1						
2018-2019	50	1.26	9.75	7.79	48.13	4.69
2019-2020	48	1.25	10.10	8.13	49.55	5.00
2020-2021	48	1.17	9.72	8.36	48.01	4.66
2021-2022	50	1.30	10.20	7.86	48.87	4.98
2022-2023	50	1.32	9.95	7.59	50.78	5.05
December 1						
2018-2019	47	1.19	9.82	8.27	49.56	4.87
2019-2020	46	1.21	10.05	8.34	53.53	5.38
2020-2021	45	1.07	9.30	8.70	52.11	4.84
2021-2022	48	1.27	9.96	7.86	52.58	5.24
2022-2023	50	1.23	9.71	7.93	53.92	5.24

Survey Procedures

This publication represents the results of the most recent annual Commercial Citrus Inventory survey of Florida citrus trees. The Florida Agricultural Statistics Service first began indexing citrus groves using aerial photography with the January 1966 survey. The 1966 inventory report included detailed data by county, variety, and year set. The survey was designed for quick and economical updating. Subsequent surveys, using aerial photography, were conducted as of January every two years through 2006. In 2005, grove boundaries were digitized and saved as geodatabases in our Geographic Information System (GIS). GIS software provides tools to enhance comparative photo interpretation for grove change detection. This technology provides current tree inventory data for evaluating Florida's potential citrus production in a shorter period of time and at less cost than by ground survey methods alone.

In the 2009, the Commercial Citrus Inventory report and Citrus Summary were combined into one book. Since then, this publication has been updated on an annual basis. With the change to an annual survey came a systematic division of the workload. Florida is a public land state which uses a rectangular survey system to identify land. Lines extend out from a central point in Tallahassee. Range lines run north/south, and township lines run east/west. The land described between the lines is a township composed of 36 sections, each usually 1 square mile in area. The figure below shows a township divided into quadrants. In seasons ending in odd-numbered years, those sections in the northern half of each township are visited. The sections in the southern half of the townships are visited during the even-numbered years. As time permits, additional grove inspections are performed during the current survey period. Field work is completed by early July of each year.



Field personnel identify varieties in blocks where trees were too young to be identified in earlier surveys, change the status of declining blocks, delineate new groves, and record new trees in existing groves. In blocks of citrus which are interset, acreage is proportionate to the number of trees of each variety or age in the block. In the multi-reset blocks, more than one reset is planted for each tree removed and the spacing must be averaged due to the variable distance between trees. The spacing between rows in one direction remains constant for grove travel.

After field inspection, photo interpreters create polygons which are linked to datasets, and saved in county geodatabases for all new citrus groves. Changes in variety blocks may result in alterations to grove boundaries or status. A software tool provides the means to measure the exact acreage of new and altered citrus groves. All statistical information (identifying features, variety, year set, tree spacing, tree numbers, and vacancies) is then keyed into a database and retained for future use. Net acres are computed from the combination of tree numbers and tree spacing as measured by field personnel.

Throughout the survey, new maps are plotted and new section tabulations are printed to prepare updated field kits since resurveying is a continual process. Quality checks for accurate variety counts will be conducted as well as the identification of the three-year-old plantings that are to be included in next year's objective count surveys.

The data in this report relate to commercial groves, those containing a minimum of 50 trees from which fruit is generally sold. In addition, the grove must have been cultivated and trees must show viable growth in the limb scaffold. Groves no longer meeting these parameters are defined as abandoned and not included. Variety totals were rounded to the nearest acre and one hundred trees. Item totals that fell below these parameters were considered as zero. For this reason, users are cautioned that zero cells in some of the data tables could actually have a positive entry but would be less than one half acre and below 50 trees.

The acreage shown is land which is actually planted with citrus trees. Bayheads, ponds, sinkholes, drainage canals, lateral and swale ditches, roads, turn rows, and wide middles were excluded. Where vacancies within a commercial grove were numerous, they were counted, and acreage was then reduced to equivalent net acres of commercial trees. Non-bearing trees are listed by the calendar year in which set. At the county level, bearing trees are aggregated into three-year groupings (except for the three oldest age groupings). At the state level, bearing tree data is reported for each year individually, with the exception of the three oldest age groupings. When available, grove managers' records were used to establish age. Young tree age was estimated from both trunk circumference and tree height.

Identification of citrus varieties is generally dependent upon the presence of fruit. Many young groves visited for the first time are indexed as unidentified until fruit is available for variety determination. Acreage and trees in this report listed as "Unidentified" will be resurveyed and classified by variety in the next inventory. The unidentified trees and acres are listed by year set and by county under all Florida citrus. The unidentified trees and acres are also included in the all-orange and all grapefruit totals.

Data itemized under "Other citrus" include minor types and varieties, such as K-Early Citrus, kumquats, limes, pummelos, Lemons, unclassified citrus, and unidentified mandarins.

Survey Highlights

Results of the annual Commercial Citrus Inventory show total citrus acreage is 332,256 acres, down 11 percent from the last annual survey. The net loss of 43,046 acres is 11,000 acres more than what was lost the previous season. New plantings at 6,203 acres are down from the previous season.

All 24 published counties included in the survey showed decreases in acreage. Hendry County lost the most acreage, down 11,073 acres from the previous season. DeSoto County remains the leader in acreage with 60,845 acres, followed closely by Polk County at 60,131 acres.

Orange acreage is now at 303,284 acres, down 12 percent from the previous season. Valencia acreage now accounts for 62 percent of the total orange acreage, non-Valencia acreage represents 36 percent, and the remaining orange acreage is unidentified.

Grapefruit acreage is now at 15,887 acres, down 12 percent from the previous season. White grapefruit acreage (including seedy) accounts for 11 percent of the total with 1,774 acres, while red grapefruit is 88 percent of the total with 14,054 acres. The remaining grapefruit acreage is unidentified.

Specialty fruit acreage, at 13,085 acres, is down 4 percent from the previous season. Tangerines and tangelos account for 60 percent of the specialty fruit, with 7,802 acres. The remaining acreage includes true lemons and other citrus acreage, with a total of 5,283 acres, or 40 percent.

Commercial Citrus Inventory, All Citrus Acreage, by Variety and Survey Year, and Changes Between Surveys – Florida: 1998-2023

Survey Year ¹	Orange ²	Grapefruit	Specialty ² fruit	Total	Change		Net change
					Gross loss	New plantings	
1998.....	658,390	132,817	54,053	845,260	49,325	36,898	-12,427
2000.....	665,529	118,145	48,601	832,275	59,516	46,531	-12,985
2002.....	648,806	105,488	43,009	797,303	77,197	42,225	-34,972
2004.....	622,821	89,048	36,686	748,555	88,875	40,127	-48,748
2006 ³	529,241	63,419	28,713	621,373	150,805	23,623	-127,182
2008.....	496,518	56,881	23,178	576,577	66,924	22,128	-44,796
2009.....	492,529	53,863	22,422	568,814	19,918	12,155	-7,763
2010.....	483,418	50,189	20,430	554,037	25,109	10,332	-14,777
2011.....	473,086	48,990	19,252	541,328	21,769	9,060	-12,709
2012.....	464,918	48,191	18,384	531,493	19,383	9,548	-9,835
2013.....	459,311	47,656	17,673	524,640	15,115	8,262	-6,853
2014.....	452,364	45,922	16,861	515,147	21,041	11,548	-9,493
2015.....	441,628	43,962	15,806	501,396	26,094	12,343	-13,751
2016.....	425,728	40,316	14,077	480,121	31,365	10,090	-21,275
2017.....	405,832	36,084	13,057	454,973	36,863	11,715	-25,148
2018 ³	403,457	30,923	12,632	447,012	20,114	12,153	-7,961
2019.....	392,515	25,339	12,747	430,601	26,479	10,068	-16,411
2020.....	382,393	22,453	14,606	419,452	19,034	7,885	-11,149
2021.....	372,354	19,908	15,086	407,348	22,552	10,448	-12,104
2022.....	343,659	17,997	13,646	375,302	40,026	7,980	-32,046
2023 ³	303,284	15,887	13,085	332,256	49,249	6,203	-43,046

¹ One-year survey beginning in 2009.

² Temples in specialty fruit through 2006 survey, then included in oranges through 2016 survey. Reclassified as Royal tangerines in 2017 survey.

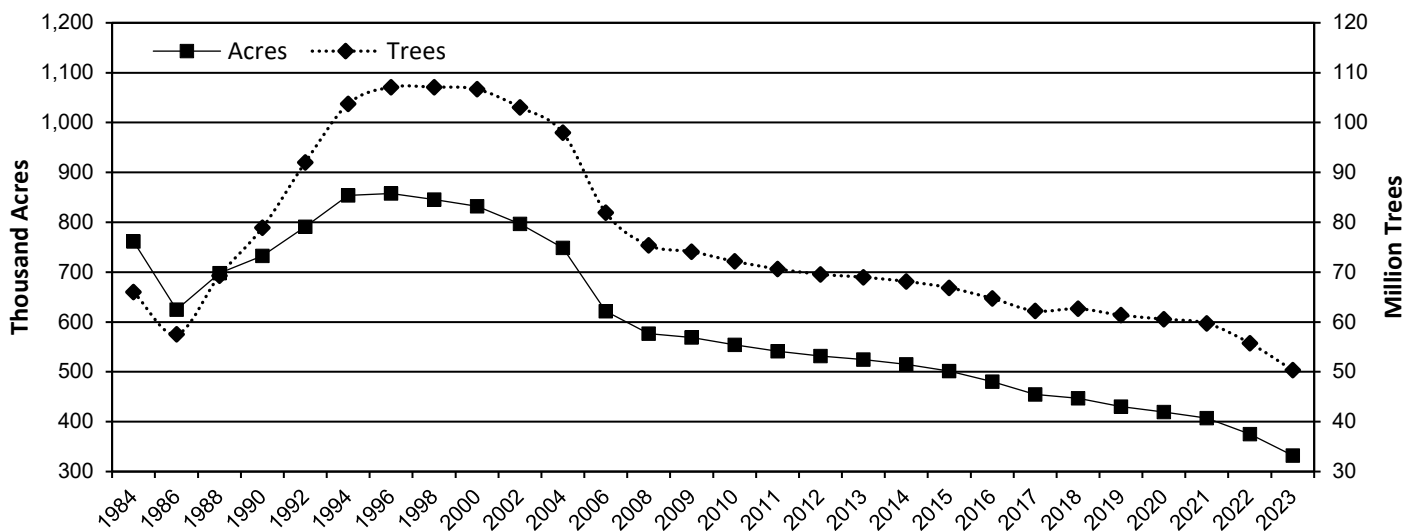
³ August and September hurricanes in 2004. October hurricane in 2005. October hurricane in 2017. September hurricane in 2022.

All Citrus, Number of Multiblocks (Groves), by Acreage and Survey Year – Florida: 2018-2023

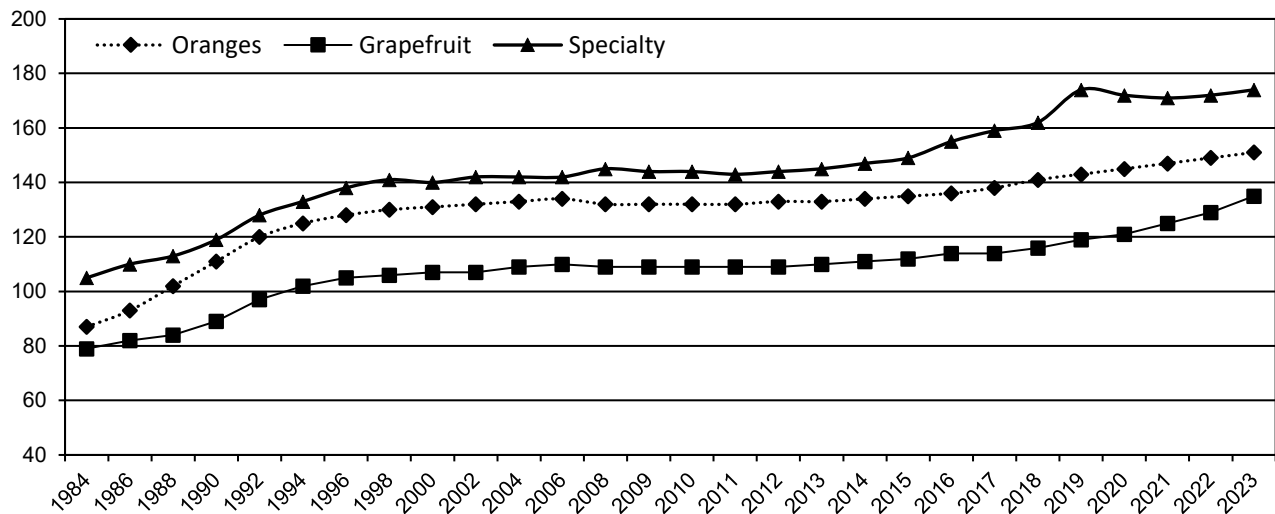
[A multiblock or grove for this table is a parcel of land, as determined by field personnel, and is easily distinguishable. Within the boundaries is citrus with a homogenous planting scheme.]

Acreage	Survey Year											
	2018		2019		2020		2021		2022		2023	
	(number)	(percent)	(number)	(percent)	(number)	(percent)	(number)	(percent)	(number)	(percent)	(number)	(percent)
0-4.0.....	4,507	17.37	4,252	17.05	3,967	16.4	3,731	16.07	3,314	15.42	3,170	16.16
4.1-9.0.....	7,746	29.87	7,622	30.57	7,486	31.09	7,333	31.59	7,001	32.57	6,490	33.10
9.1-18.0.....	6,231	24.02	5,901	23.67	5,676	23.57	5,400	23.26	4,962	23.08	4,474	22.82
18.1-104.0.....	7,155	27.58	6,864	27.53	6,661	27.66	6,457	27.82	5,975	27.79	5,260	26.83
104.1 +.....	302	1.16	294	1.18	292	1.21	292	1.26	245	1.14	213	1.09
Total.....	25,941	100.00	24,933	100.00	24,082	100.00	23,213	100.00	21,497	100.00	19,607	100.00
	(acres)		(acres)		(acres)		(acres)		(acres)		(acres)	
Average.....	17.2		17.3		17.4		17.5		17.4		16.9	
Median.....	9.3		9.3		9.3		9.3		9.3		9.1	

Commercial Citrus Trees and Acres – Florida: Survey Years 1984-2023



Commercial Citrus Trees per Acre, by Type – Florida: Survey Years 1984-2023



All Citrus Acreage, by Variety and Year Set – Florida: Crop Year 2022-2023

Year Set	All citrus	Oranges				
		Hamlin	Navel	Other early non-Valencia	Total early non-Valencia	Midseason
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979.....	4,230	1,110	19	112	1,241	418
1979-1988.....	27,612	9,640	778	993	11,411	798
1989-1998.....	77,430	17,863	1,170	1,153	20,186	2,391
1999.....	8,254	2,279	66	32	2,377	241
2000.....	6,177	2,014	31	183	2,228	206
2001.....	8,511	2,947	18	458	3,423	399
2002.....	6,053	1,997	89	397	2,483	134
2003.....	7,465	2,499	54	343	2,896	305
2004.....	6,890	2,500	20	588	3,108	(D)
2005.....	6,025	2,605	61	91	2,757	157
2006.....	7,416	2,733	22	171	2,926	(D)
2007.....	6,265	2,494	40	83	2,617	143
2008.....	9,071	3,479	70	45	3,594	404
2009.....	8,608	3,522	38	16	3,576	372
2010.....	8,372	2,810	127	53	2,990	262
2011.....	8,528	2,940	151	38	3,129	359
2012.....	8,972	2,691	238	63	2,992	623
2013.....	12,035	4,736	248	121	5,105	259
2014.....	12,607	3,828	341	100	4,269	445
2015.....	12,388	2,776	327	103	3,206	263
2016.....	13,568	3,388	265	44	3,697	187
2017.....	13,204	1,953	162	30	2,145	212
2018.....	12,876	2,003	62	45	2,110	87
2019.....	10,663	1,578	54	41	1,673	150
Bearing.....	303,220	86,385	4,451	5,303	96,139	9,344
2020.....	13,048	2,193	139	14	2,346	118
2021.....	9,785	1,669	13	28	1,710	21
2022.....	6,203	913	29	-	942	17
Non-bearing.....	29,036	4,775	181	42	4,998	156
Total.....	332,256	91,160	4,632	5,345	101,137	9,500

See footnote(s) at end of table.

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All Citrus Acreage, by Variety and Year Set – Florida: Crop Year 2022-2023 (continued)

Year Set	Oranges (continued)			Grapefruit	All Tangerines and Tangelos	Other Citrus
	Valencia	Unidentified	Total			
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979.....	2,151	-	3,810	239	(D)	(D)
1979-1988.....	12,761	-	24,970	2,390	245	7
1989-1998.....	48,745	-	71,322	5,014	954	140
1999.....	5,529	-	8,147	53	(D)	(D)
2000.....	3,598	-	6,032	56	(D)	(D)
2001.....	4,519	-	8,341	89	32	49
2002.....	3,288	-	5,905	94	(D)	(D)
2003.....	4,028	-	7,229	158	(D)	(D)
2004.....	3,189	(D)	6,608	224	(D)	(D)
2005.....	2,847	-	5,761	219	(D)	(D)
2006.....	4,153	(D)	7,302	72	33	9
2007.....	3,213	-	5,973	267	(D)	(D)
2008.....	4,872	-	8,870	178	(D)	(D)
2009.....	4,261	-	8,209	329	16	54
2010.....	4,292	-	7,544	574	140	114
2011.....	4,543	-	8,031	332	119	46
2012.....	4,333	-	7,948	695	293	36
2013.....	5,574	-	10,938	601	485	11
2014.....	6,808	-	11,522	474	574	37
2015.....	7,842	-	11,311	350	525	202
2016.....	8,397	44	12,325	83	823	337
2017.....	8,805	70	11,232	168	862	942
2018.....	7,461	258	9,916	143	835	1,982
2019.....	6,669	636	9,128	308	492	735
Bearing.....	171,878	1,013	278,374	13,110	6,995	4,741
2020.....	7,380	1,318	11,162	860	620	406
2021.....	5,551	1,232	8,514	1,074	(D)	(D)
2022.....	3,111	1,164	5,234	843	(D)	(D)
Non-bearing.....	16,042	3,714	24,910	2,777	807	542
Total.....	187,920	4,727	303,284	15,887	7,802	5,283

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.

All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2022-2023

Year Set	All citrus	Oranges				
		Hamlin	Navel	Other early non-Valencia	Total early non-Valencia	Midseason
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979.....	525.0	131.7	2.0	14.8	148.5	52.3
1979-1988.....	3,715.6	1,297.8	87.7	140.7	1,526.2	110.2
1989-1998.....	11,377.5	2,557.7	167.1	159.1	2,883.9	356.8
1999.....	1,109.2	309.6	7.1	5.0	321.7	33.0
2000.....	819.5	268.5	3.6	21.1	293.2	29.2
2001.....	1,166.9	411.4	2.0	61.1	474.5	63.8
2002.....	799.0	262.9	10.4	51.5	324.8	17.8
2003.....	1,009.6	339.3	7.1	45.9	392.3	45.7
2004.....	919.6	333.9	2.6	83.4	419.9	(D)
2005.....	793.6	332.2	6.9	13.3	352.4	21.9
2006.....	970.4	361.7	3.2	25.2	390.1	(D)
2007.....	841.2	320.9	5.3	13.0	339.2	19.4
2008.....	1,291.0	477.8	8.3	6.1	492.2	58.0
2009.....	1,220.7	512.8	5.1	2.2	520.1	54.4
2010.....	1,182.7	402.7	21.5	8.3	432.5	38.6
2011.....	1,250.3	445.4	20.8	4.7	470.9	57.1
2012.....	1,362.6	404.3	34.7	8.9	447.9	99.2
2013.....	1,861.5	747.2	42.1	19.0	808.3	38.8
2014.....	2,091.8	647.9	57.9	12.3	718.1	78.4
2015.....	2,180.4	419.6	51.7	13.5	484.8	40.3
2016.....	2,462.8	616.7	39.7	6.0	662.4	28.3
2017.....	2,249.7	303.8	26.5	4.4	334.7	35.6
2018.....	2,239.2	317.1	9.4	6.1	332.6	13.0
2019.....	1,826.5	247.4	8.4	6.2	262.0	25.0
Bearing	45,266.3	12,470.3	631.1	731.8	13,833.2	1,388.9
2020.....	2,220.0	352.7	26.9	1.9	381.5	23.0
2021.....	1,738.8	276.2	2.0	4.0	282.2	3.0
2022.....	1,114.9	155.7	5.5	-	161.2	3.3
Non-bearing	5,073.7	784.6	34.4	5.9	824.9	29.3
Total	50,340.0	13,254.9	665.5	737.7	14,658.1	1,418.2

See footnote(s) at end of table.

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All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2022-2023 (continued)

Year Set	Oranges (continued)			Grapefruit	All Tangerines and Tangelos	Other Citrus
	Valencia	Unidentified	Total			
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979.....	277.1	-	477.9	26.5	(D)	(D)
1979-1988.....	1,767.2	-	3,403.6	277.6	33.7	0.7
1989-1998.....	7,326.3	-	10,567.0	643.1	149.2	18.2
1999.....	740.9	-	1,095.6	6.7	(D)	(D)
2000.....	480.5	-	802.9	5.3	(D)	(D)
2001.....	608.3	-	1,146.6	9.4	5.1	5.8
2002.....	439.0	-	781.6	10.7	(D)	(D)
2003.....	542.4	-	980.4	19.2	(D)	(D)
2004.....	424.4	(D)	886.8	26.4	(D)	(D)
2005.....	385.4	-	759.7	26.3	(D)	(D)
2006.....	534.9	(D)	955.0	9.5	4.6	1.3
2007.....	444.4	-	803.0	34.0	(D)	(D)
2008.....	718.2	-	1,268.4	19.7	(D)	(D)
2009.....	594.5	-	1,169.0	38.9	2.8	10.0
2010.....	605.0	-	1,076.1	66.4	21.0	19.2
2011.....	648.4	-	1,176.4	43.0	23.4	7.5
2012.....	659.2	-	1,206.3	100.3	50.4	5.6
2013.....	829.9	-	1,677.0	85.0	97.9	1.6
2014.....	1,102.9	-	1,899.4	73.7	111.1	7.6
2015.....	1,429.7	-	1,954.8	50.4	147.1	28.1
2016.....	1,543.6	5.0	2,239.3	11.5	162.8	49.2
2017.....	1,503.0	13.5	1,886.8	22.4	201.5	139.0
2018.....	1,359.0	41.0	1,745.6	26.6	194.8	272.2
2019.....	1,186.0	96.6	1,569.6	56.4	105.4	95.1
Bearing.....	26,150.2	156.5	41,528.8	1,689.0	1,381.6	666.9
2020.....	1,298.0	203.0	1,905.5	144.5	114.4	55.6
2021.....	1,034.6	211.8	1,531.6	177.4	(D)	(D)
2022.....	581.0	207.7	953.2	136.8	(D)	(D)
Non-bearing.....	2,913.6	622.5	4,390.3	458.7	149.2	75.5
Total.....	29,063.8	779.0	45,919.1	2,147.7	1,530.8	742.4

- Represents zero

D) Withheld to avoid disclosing data for individual operations.

All Citrus Acreage, by Variety and County – Florida: Crop Year 2022-2023

County	All citrus	Oranges				
		Hamlin	Navel	Other early non-Valencia	Total early non-Valencia	Midseason non-Valencia
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Brevard	278	114	76	-	190	(D)
Charlotte	9,435	2,743	-	-	2,743	321
Collier	19,403	3,607	-	438	4,045	(D)
DeSoto	60,845	17,391	251	1,524	19,166	(D)
Glades	2,566	801	-	265	1,066	44
Hardee	38,923	18,624	366	1,004	19,994	1,507
Hendry	40,187	10,670	72	294	11,036	(D)
Highlands	49,415	9,433	290	394	10,117	1,109
Hillsborough	772	292	(D)	(D)	313	(D)
Indian River	8,627	648	(D)	(D)	1,433	(D)
Lake	4,062	1,350	489	29	1,868	103
Lee	1,890	175	(D)	(D)	178	20
Manatee	8,239	2,997	(D)	(D)	3,310	(D)
Marion	286	139	73	18	230	(D)
Okeechobee	2,244	713	138	-	851	(D)
Orange	357	197	(D)	(D)	235	(D)
Osceola	5,196	1,659	144	32	1,835	(D)
Pasco	567	278	98	13	389	(D)
Polk	60,131	18,350	1,148	902	20,400	1,476
St. Lucie	17,560	648	541	72	1,261	(D)
Sarasota	756	109	(D)	(D)	114	29
Volusia	304	181	(D)	(D)	235	-
Other Counties ¹	213	41	74	13	128	(D)
Total	332,256	91,160	4,632	5,345	101,137	9,500

See footnote(s) at end of table.

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All Citrus Acreage, by Variety and County – Florida: Crop Year 2022-2023 (continued)

County	Oranges (continued)			Grapefruit	All Tangerines and Tangelos	Other citrus
	Valencia	Unidentified	Total			
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Brevard.....	(D)	(D)	234	(D)	10	(D)
Charlotte.....	5,780	84	8,928	387	-	120
Collier.....	13,381	323	18,357	795	(D)	(D)
DeSoto.....	38,259	116	59,957	406	134	348
Glades.....	988	12	2,110	-	456	-
Hardee.....	16,384	148	38,033	143	710	37
Hendry.....	26,999	379	39,213	530	194	250
Highlands.....	36,829	455	48,510	301	489	115
Hillsborough.....	448	(D)	766	-	(D)	(D)
Indian River.....	819	(D)	2,331	4,017	1,607	672
Lake.....	1,444	152	3,567	210	(D)	(D)
Lee.....	1,550	-	1,748	(D)	(D)	-
Manatee.....	4,406	(D)	8,012	(D)	211	(D)
Marion.....	26	(D)	258	(D)	24	(D)
Okeechobee.....	706	(D)	1,582	343	319	-
Orange.....	108	(D)	346	(D)	(D)	8
Osceola.....	2,332	(D)	4,807	352	(D)	(D)
Pasco.....	64	(D)	459	-	98	10
Polk.....	32,002	2,934	56,812	583	2,194	542
St. Lucie.....	4,839	(D)	6,224	7,582	647	3,107
Sarasota.....	437	-	580	138	(D)	(D)
Volusia.....	61	-	296	(D)	5	(D)
Other Counties ¹	(D)	(D)	154	8	49	(D)
Total.....	187,920	4,727	303,284	15,887	7,802	5,283

¹ Includes Citrus, Hernando, Putnam, and Seminole counties.

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

All Citrus Trees, by Variety and County – Florida: Crop Year 2022-2023

County	All citrus	Oranges				
		Hamlin	Navel	Other early non-Valencia	Total early non-Valencia	Midseason non-Valencia
	(trees)	(trees)	(trees)	(trees)	(trees)	(trees)
Brevard	35.8	15.6	9.1	-	24.7	(D)
Charlotte	1,601.2	486.6	-	-	486.6	61.0
Collier.....	2,898.9	537.1	-	75.6	612.7	(D)
DeSoto.....	9,124.2	2,649.9	44.4	211.3	2,905.6	(D)
Glades.....	386.6	119.1	-	29.1	148.2	13.7
Hardee	5,541.1	2,532.3	59.3	135.3	2,726.9	210.9
Hendry	6,623.4	1,732.8	7.8	43.7	1,784.3	(D)
Highlands	7,763.4	1,405.8	35.7	55.8	1,497.3	166.6
Hillsborough	163.2	44.1	(D)	(D)	46.3	(D)
Indian River.....	1,314.1	97.0	(D)	(D)	186.2	(D)
Lake	620.1	194.7	73.9	4.4	273.0	16.0
Lee.....	295.9	28.5	(D)	(D)	28.9	2.8
Manatee.....	1,176.8	387.3	(D)	(D)	(D)	(D)
Marion.....	35.3	16.9	8.5	2.6	28.0	(D)
Okeechobee.....	359.3	112.2	24.5	-	136.7	(D)
Orange.....	51.2	27.5	(D)	(D)	33.3	(D)
Osceola.....	684.7	225.8	17.0	4.0	(D)	(D)
Pasco.....	81.3	40.3	13.7	2.0	(D)	(D)
Polk.....	8,766.4	2,473.1	169.5	120.0	2,762.6	213.0
St. Lucie.....	2,656.0	91.6	89.2	8.2	189.0	(D)
Sarasota.....	94.3	11.6	(D)	(D)	12.1	4.9
Volusia.....	34.5	19.5	(D)	(D)	26.3	-
Other Counties ¹	32.3	5.6	11.6	2.0	19.2	(D)
Total	50,340.0	13,254.9	665.5	737.7	14,658.1	1,418.2

See footnote(s) at end of table.

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All Citrus Trees, by Variety and County – Florida: Crop Year 2022-2023 (continued)

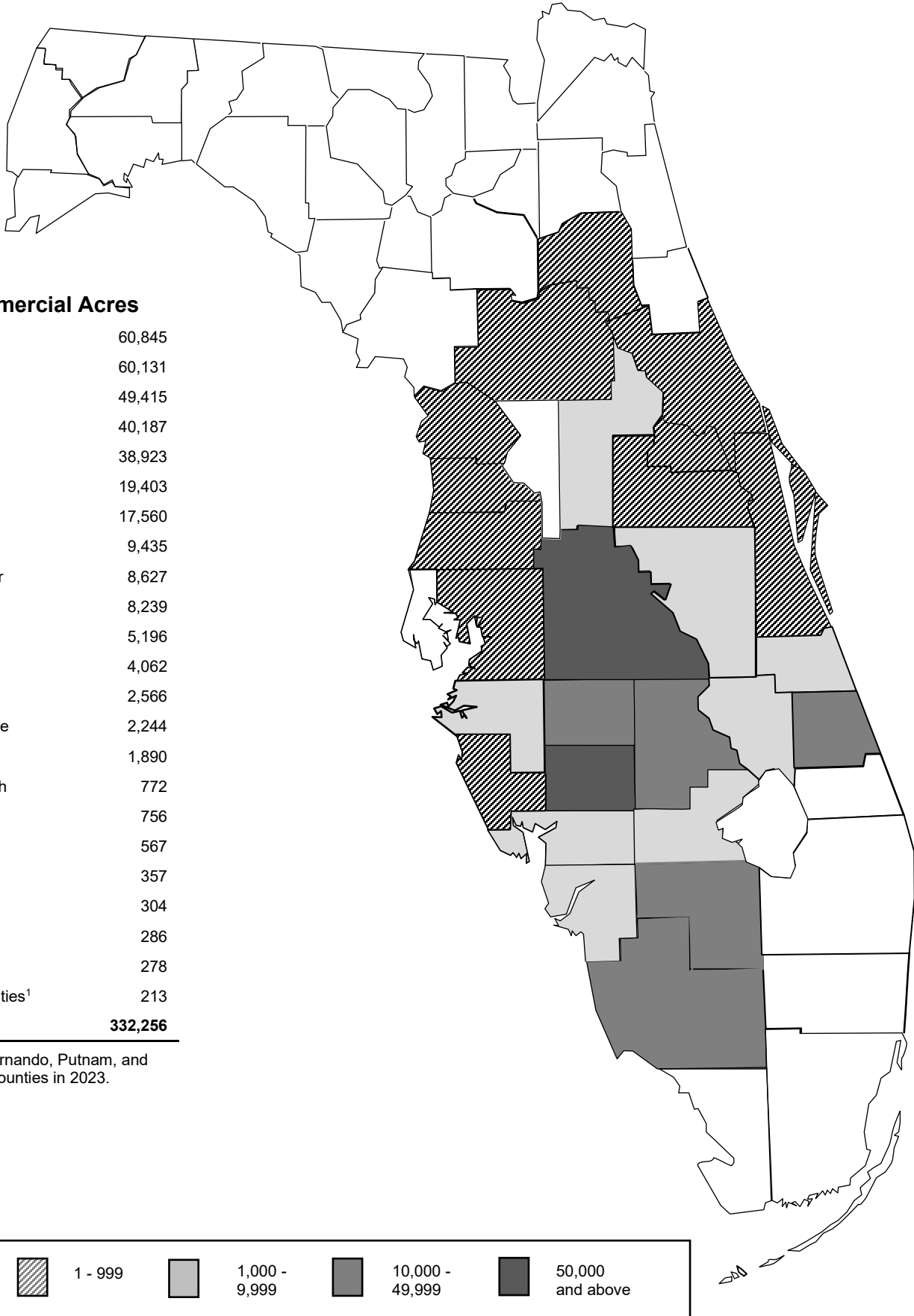
County	Oranges (continued)			Grapefruit	All Tangerines and Tangelos	Other citrus
	Valencia	Unidentified	Total			
	(trees)	(trees)	(trees)	(trees)	(trees)	(trees)
Brevard.....	(D)	(D)	31.7	(D)	1.2	(D)
Charlotte.....	963.9	17.9	1,529.4	55.2	-	16.6
Collier.....	1,983.3	62.0	2,761.8	99.6	(D)	(D)
DeSoto.....	5,695.8	18.0	8,991.7	65.0	19.6	47.9
Glades.....	132.1	1.4	295.4	-	91.2	-
Hardee.....	2,423.1	25.4	5,386.3	21.1	124.9	8.8
Hendry.....	4,528.0	58.2	6,486.9	79.7	24.6	32.2
Highlands.....	5,873.4	92.1	7,629.4	37.6	81.9	14.5
Hillsborough.....	115.1	(D)	162.3	-	(D)	(D)
Indian River.....	148.3	(D)	349.9	534.9	315.1	114.2
Lake.....	222.2	24.2	535.4	32.6	(D)	(D)
Lee.....	238.9	-	270.6	(D)	(D)	-
Manatee.....	612.3	(D)	1,081.4	(D)	93.6	(D)
Marion.....	3.8	(D)	32.0	(D)	2.9	(D)
Okeechobee.....	113.5	(D)	254.2	50.4	54.7	-
Orange.....	16.0	(D)	49.8	(D)	(D)	1.1
Osceola.....	320.1	(D)	643.0	35.2	(D)	(D)
Pasco.....	9.0	(D)	65.6	-	14.4	1.3
Polk.....	4,643.0	455.7	8,074.3	119.1	487.7	85.3
St. Lucie.....	947.7	(D)	1,155.9	992.0	98.1	410.0
Sarasota.....	58.7	-	75.7	15.0	(D)	(D)
Volusia.....	7.0	-	33.3	(D)	0.7	(D)
Other Counties ¹	(D)	(D)	23.1	1.4	7.2	(D)
Total.....	29,063.8	779.0	45,919.1	2,147.7	1,530.8	742.4

¹ Includes Citrus, Hernando, Putnam, and Seminole counties.

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

Commercial Citrus Acreage by County 2023



Commercial Acres

DeSoto	60,845
Polk	60,131
Highlands	49,415
Hendry	40,187
Hardee	38,923
Collier	19,403
St. Lucie	17,560
Charlotte	9,435
Indian River	8,627
Manatee	8,239
Osceola	5,196
Lake	4,062
Glades	2,566
Okeechobee	2,244
Lee	1,890
Hillsborough	772
Sarasota	756
Pasco	567
Orange	357
Volusia	304
Marion	286
Brevard	278
Other Counties ¹	213
Total	332,256

¹ Citrus, Hernando, Putnam, and Seminole counties in 2023.

All Citrus Acreage, by Year Set and Survey Year – Florida: 2014-2023

Year set	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1999.....	320,200	295,314	265,043	234,418	214,422	194,345	178,260	161,102	135,461	109,272
1999	16,176	15,401	14,689	13,822	13,350	12,446	11,791	11,045	10,299	8,254
2000	12,715	11,791	11,300	10,150	9,665	9,191	8,796	8,323	7,233	6,177
2001	17,304	16,433	15,568	14,756	13,882	12,391	11,769	11,083	10,082	8,511
2002	12,823	11,978	11,228	10,147	9,818	9,046	8,446	8,238	7,459	6,053
2003	14,573	13,922	13,006	12,337	11,478	10,925	10,380	9,744	8,947	7,465
2004	11,375	11,089	10,548	9,644	9,174	9,193	8,805	8,423	7,863	6,890
2005	10,953	10,267	9,971	8,878	8,509	8,128	7,879	7,538	7,083	6,025
2006	11,528	11,126	10,583	10,043	9,602	9,309	9,062	8,820	8,186	7,416
2007	10,086	9,862	9,431	8,848	8,304	7,759	7,426	7,069	6,605	6,265
2008	13,845	13,440	13,108	12,582	11,960	11,512	11,229	10,740	10,072	9,071
2009	13,140	12,872	12,377	12,151	11,883	11,386	10,803	10,572	9,482	8,608
2010	13,231	13,539	13,187	12,724	12,270	11,348	11,020	10,427	9,569	8,372
2011	13,075	13,607	13,152	12,647	11,733	11,258	10,757	10,460	9,257	8,528
2012	12,575	13,630	13,676	13,096	12,486	11,902	11,475	11,054	10,410	8,972
2013	11,548	14,782	16,253	16,419	16,064	15,513	15,046	14,607	13,288	12,035
2014		12,343	16,911	17,229	17,233	16,546	15,920	15,229	14,498	12,607
2015			10,090	13,367	15,755	15,829	15,445	15,078	14,044	12,388
2016				11,715	17,271	17,503	17,438	16,741	15,781	13,568
2017					12,153	15,003	15,738	15,279	14,424	13,204
2018						10,068	14,082	14,597	14,296	12,876
2019							7,885	10,731	10,623	10,663
2020								10,448	12,360	13,048
2021									7,980	9,785
2022										6,203
Total.....	515,147	501,396	480,121	454,973	447,012	430,601	419,452	407,348	375,302	332,256

All Citrus Acreage, Gross Loss Between Surveys – Florida: 2014-2023

[Gross loss is the difference between acreage listed in previous survey and acreage remaining in the same year set of the current survey]

Gross loss	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Acres	21,041	26,094	31,365	36,863	20,114	26,479	19,034	22,552	40,026	49,249
Percent.....	4.0	5.1	6.3	7.7	4.4	5.9	4.4	5.4	9.8	13.1

All Citrus Acreage in Leading 10 Counties, by Year Set – Florida: Crop Year 2022-2023

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979	4,230	34	39	974	677	224
1979-1988	27,612	132	2,410	3,171	2,978	3,678
1989-1998	77,430	2,196	3,553	13,890	7,636	10,575
1999-2001	22,942	336	1,508	4,655	4,739	1,869
2002-2004	20,408	305	1,587	5,043	3,948	1,633
2005-2007	19,706	893	392	5,798	3,568	577
2008-2010	26,051	1,164	1,204	6,052	3,270	2,634
2011-2013	29,535	1,026	1,868	5,931	2,327	4,627
2014-2016	38,563	1,924	2,658	4,595	3,553	6,809
2017-2019	36,743	553	2,968	5,672	3,447	3,217
Bearing	303,220	8,563	18,187	55,781	36,143	35,843
2020	13,048	538	459	2,168	1,524	1,559
2021	9,785	198	432	1,567	960	1,794
2022	6,203	136	325	1,329	296	991
Non-bearing	29,036	872	1,216	5,064	2,780	4,344
Total	332,256	9,435	19,403	60,845	38,923	40,187

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All Citrus Trees in Leading 10 Counties (Based on Acreage), by Year Set – Florida: Crop Year 2022-2023

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979	525.0	3.5	4.6	141.2	77.1	28.1
1979-1988	3,715.6	17.0	365.8	449.7	402.2	529.6
1989-1998	11,377.5	357.1	536.9	2,064.2	1,073.3	1,704.9
1999-2001	3,095.6	50.0	199.9	671.1	610.7	268.2
2002-2004	2,728.2	39.0	215.6	701.7	509.4	236.7
2005-2007	2,605.2	117.2	60.0	771.5	443.5	80.8
2008-2010	3,694.4	156.5	174.3	870.9	431.8	426.6
2011-2013	4,474.4	164.7	276.6	845.5	367.1	739.5
2014-2016	6,735.0	415.6	404.8	729.9	576.3	1,249.7
2017-2019	6,315.4	106.2	460.1	959.9	560.1	559.3
Bearing	45,266.3	1,426.8	2,698.6	8,205.6	5,051.5	5,823.4
2020	2,220.0	112.4	74.9	377.0	261.5	274.6
2021	1,738.8	35.5	81.4	290.1	180.9	349.9
2022	1,114.9	26.5	44.0	251.5	47.2	175.5
Non-bearing	5,073.7	174.4	200.3	918.6	489.6	800.0
Total	50,340.0	1,601.2	2,898.9	9,124.2	5,541.1	6,623.4

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All Citrus Acreage in Leading 10 Counties, by Year Set – Florida: Crop Year 2022-2023 (continued)

Year set	Highlands	Indian River	Manatee	Polk	St. Lucie	Other counties
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979.....	580	293	161	1,007	5	236
1979-1988	3,813	1,038	907	4,250	2,521	2,714
1989-1998	11,069	1,650	2,450	15,307	4,703	4,401
1999-2001	3,111	197	913	4,287	244	1,083
2002-2004	2,380	265	439	3,372	557	879
2005-2007	1,948	98	547	3,964	640	1,281
2008-2010	4,121	381	339	3,900	651	2,335
2011-2013	3,708	849	582	5,136	1,476	2,005
2014-2016	8,380	992	690	6,382	1,160	1,420
2017-2019	6,435	1,090	679	7,108	3,812	1,762
Bearing	45,545	6,853	7,707	54,713	15,769	18,116
2020	1,704	861	111	2,847	621	656
2021	1,073	612	402	1,696	705	346
2022	1,093	301	19	875	465	373
Non-bearing	3,870	1,774	532	5,418	1,791	1,375
Total	49,415	8,627	8,239	60,131	17,560	19,491

All Citrus Trees in Leading 10 Counties (Based on Acreage), by Year Set – Florida: Crop Year 2022-2023 (continued)

Year set	Highlands	Indian River	Manatee	Polk	St. Lucie	Other counties
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979.....	76.8	31.9	18.7	114.5	0.5	28.1
1979-1988	518.4	118.6	113.8	533.6	306.7	360.2
1989-1998	1,559.1	236.3	348.5	2,071.8	792.1	633.3
1999-2001	414.0	24.1	111.4	565.1	31.1	150.0
2002-2004	315.0	32.9	57.2	436.4	67.0	117.3
2005-2007	264.6	12.0	70.5	526.0	81.9	177.2
2008-2010	582.4	49.7	41.8	554.9	87.8	317.7
2011-2013	542.7	136.4	76.5	776.7	232.0	316.7
2014-2016	1,622.9	189.7	92.5	1,065.4	181.3	206.9
2017-2019	1,142.8	204.3	160.1	1,248.1	577.7	336.8
Bearing	7,038.7	1,035.9	1,091.0	7,892.5	2,358.1	2,644.2
2020	292.7	140.2	17.8	457.3	95.9	115.7
2021	200.0	88.6	65.7	264.1	127.3	55.3
2022	232.0	49.4	2.3	152.5	74.7	59.3
Non-bearing	724.7	278.2	85.8	873.9	297.9	230.3
Total	7,763.4	1,314.1	1,176.8	8,766.4	2,656.0	2,874.5

All Orange Acreage in Leading 10 Counties, by Year Set – Florida: Crop Year 2022-2023

[Includes Unidentified Oranges]

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979	3,810	34	27	972	676	204
1979-1988	24,970	132	2,373	3,164	2,948	3,583
1989-1998	71,322	2,060	3,210	13,860	7,578	10,380
1999-2001	22,520	334	1,472	4,603	4,707	1,863
2002-2004	19,742	299	1,544	5,019	3,944	1,632
2005-2007	19,036	836	308	5,706	3,561	511
2008-2010	24,623	1,052	1,142	6,009	3,256	2,603
2011-2013	26,917	1,005	1,771	5,657	2,320	4,571
2014-2016	35,158	1,923	2,569	4,502	3,275	6,579
2017-2019	30,276	519	2,848	5,503	3,062	3,032
Bearing	278,374	8,194	17,264	54,995	35,327	34,958
2020	11,162	462	336	2,095	1,462	1,553
2021	8,514	188	432	1,545	950	1,790
2022	5,234	84	325	1,322	294	912
Non-bearing	24,910	734	1,093	4,962	2,706	4,255
Total	303,284	8,928	18,357	59,957	38,033	39,213

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All Orange Trees in Leading 10 Counties (Based on Acreage), by Year Set – Florida: Crop Year 2022-2023

[Includes Unidentified Oranges]

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979	477.9	3.5	2.4	140.9	76.9	26.1
1979-1988	3,403.6	17.0	361.5	448.7	397.4	517.5
1989-1998	10,567.0	339.8	490.6	2,060.1	1,064.6	1,674.0
1999-2001	3,045.1	49.8	196.3	665.0	606.9	267.4
2002-2004	2,648.8	38.1	210.0	698.6	509.1	236.6
2005-2007	2,517.7	109.7	49.0	758.0	442.7	73.2
2008-2010	3,513.5	141.5	166.5	865.7	429.8	422.0
2011-2013	4,059.7	162.0	263.9	803.0	366.2	731.6
2014-2016	6,093.5	415.4	393.2	715.9	529.6	1,213.5
2017-2019	5,202.0	100.7	445.1	934.7	485.4	537.0
Bearing	41,528.8	1,377.5	2,578.5	8,090.6	4,908.6	5,698.9
2020	1,905.5	102.6	57.9	364.1	251.5	273.5
2021	1,531.6	34.2	81.4	286.8	179.3	349.4
2022	953.2	15.1	44.0	250.2	46.9	165.1
Non-bearing	4,390.3	151.9	183.3	901.1	477.7	788.0
Total	45,919.1	1,529.4	2,761.8	8,991.7	5,386.3	6,486.9

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All Orange Acreage in Leading 10 Counties, by Year Set – Florida: Crop Year 2022-2023 (continued)

[Includes Unidentified Oranges]

Year set	Highlands	Manatee	Osceola	Polk	St. Lucie	Other counties
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979	548	161	(D)	953	(D)	149
1979-1988	3,773	892	(D)	4,146	(D)	1,697
1989-1998	10,539	2,450	747	14,807	1,872	3,819
1999-2001	3,104	913	324	4,252	144	804
2002-2004	2,380	439	278	3,326	272	609
2005-2007	1,937	546	259	3,914	458	1,000
2008-2010	4,102	339	1,000	3,650	206	1,264
2011-2013	3,689	582	530	4,821	559	1,412
2014-2016	8,288	690	168	5,613	340	1,211
2017-2019	6,306	468	138	6,285	901	1,214
Bearing	44,666	7,480	4,778	51,767	5,766	13,179
2020	1,679	(D)	(D)	2,598	182	655
2021	1,072	402	-	1,583	212	340
2022	1,093	(D)	(D)	864	64	257
Non-bearing	3,844	532	29	5,045	458	1,252
Total	48,510	8,012	4,807	56,812	6,224	14,431

All Orange Trees in Leading 10 Counties (Based on Acreage), by Year Set – Florida:

Crop Year 2022-2023 (continued)

[Includes Unidentified Oranges]

Year set	Highlands	Manatee	Osceola	Polk	St. Lucie	Other counties
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979	73.4	18.7	(D)	107.3	(D)	17.5
1979-1988	513.6	112.1	(D)	518.6	(D)	219.1
1989-1998	1,486.0	348.5	109.0	1,996.6	427.8	570.0
1999-2001	412.7	111.4	43.0	560.3	19.1	113.2
2002-2004	314.8	57.2	35.1	429.8	34.3	85.2
2005-2007	262.7	70.4	37.9	518.1	60.1	135.9
2008-2010	579.8	41.7	129.9	515.0	40.7	180.9
2011-2013	539.0	76.5	68.1	709.3	107.1	233.0
2014-2016	1,607.3	92.5	19.4	875.6	59.1	172.0
2017-2019	1,120.4	66.6	19.1	1,058.8	183.5	250.7
Bearing	6,909.7	995.6	638.9	7,289.4	1,063.6	1,977.5
2020	287.9	(D)	(D)	402.8	34.7	108.6
2021	199.8	65.7	-	233.5	44.4	57.1
2022	232.0	(D)	(D)	148.6	13.2	35.8
Non-bearing	719.7	85.8	4.1	784.9	92.3	201.5
Total	7,629.4	1,081.4	643.0	8,074.3	1,155.9	2,179.0

**Early Non-Valencia Oranges Acreage in Leading 10 Counties, by Year Set – Florida:
Crop Year 2022-2023**

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979.....	1,241	(D)	(D)	177	263	132
1979-1988.....	11,411	(D)	(D)	1,109	2,129	1,245
1989-1998.....	20,186	420	715	2,891	3,861	1,746
1999-2001.....	8,028	128	205	1,472	2,443	756
2002-2004.....	8,487	69	590	2,195	2,473	596
2005-2007.....	8,300	175	122	2,530	2,325	114
2008-2010.....	10,160	441	250	2,666	1,799	944
2011-2013.....	11,226	470	412	1,628	1,665	2,291
2014-2016.....	11,172	873	538	1,251	1,217	2,157
2017-2019.....	5,928	54	264	1,685	705	561
Bearing.....	96,139	2,669	3,920	17,604	18,880	10,542
2020.....	2,346	19	60	738	551	111
2021.....	1,710	(D)	(D)	372	399	249
2022.....	942	(D)	(D)	452	164	134
Non-bearing.....	4,998	74	125	1,562	1,114	494
Total.....	101,137	2,743	4,045	19,166	19,994	11,036

See footnote(s) at end of table.

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**Early Non-Valencia Oranges Trees in Leading 10 Counties (Based on Acreage), by Year Set –
Florida: Crop Year 2022-2023**

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979.....	148.5	(D)	(D)	26.5	29.5	17.2
1979-1988.....	1,526.2	(D)	(D)	157.9	281.2	183.3
1989-1998.....	2,883.9	75.0	110.1	445.6	526.7	282.6
1999-2001.....	1,089.4	18.1	29.7	221.1	316.5	109.4
2002-2004.....	1,137.0	9.8	80.3	313.7	311.7	85.5
2005-2007.....	1,081.7	22.3	19.5	337.1	285.5	16.0
2008-2010.....	1,444.8	60.4	37.0	383.1	233.5	146.8
2011-2013.....	1,727.1	87.3	66.6	240.0	268.4	362.0
2014-2016.....	1,865.3	188.2	80.7	207.9	189.5	404.6
2017-2019.....	929.3	8.5	40.6	286.4	100.9	89.3
Bearing.....	13,833.2	474.4	594.6	2,619.3	2,543.4	1,696.7
2020.....	381.5	3.8	9.8	132.6	87.9	21.1
2021.....	282.2	(D)	(D)	65.4	70.4	46.0
2022.....	161.2	(D)	(D)	88.3	25.2	20.5
Non-bearing.....	824.9	12.2	18.1	286.3	183.5	87.6
Total.....	14,658.1	486.6	612.7	2,905.6	2,726.9	1,784.3

See footnote(s) at end of table.

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**Early Non-Valencia Oranges Acreage in Leading 10 Counties, by Year Set – Florida:
Crop Year 2022-2023 (continued)**

Year set	Highlands	Lake	Manatee	Osceola	Polk	Other counties
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979.....	114	12	79	36	375	49
1979-1988.....	1,119	320	478	645	2,272	1,235
1989-1998.....	2,623	596	526	233	5,482	1,093
1999-2001.....	717	61	375	125	1,519	227
2002-2004.....	452	98	261	109	1,281	363
2005-2007.....	407	147	270	57	1,577	576
2008-2010.....	1,257	138	134	266	1,666	599
2011-2013.....	1,092	232	257	246	1,985	948
2014-2016.....	1,434	128	519	64	2,254	737
2017-2019.....	476	46	229	50	1,380	478
Bearing	9,691	1,778	3,128	1,831	19,791	6,305
2020.....	251	26	(D)	(D)	352	223
2021.....	136	25	171	-	244	54
2022.....	39	39	(D)	(D)	13	41
Non-bearing	426	90	(D)	(D)	609	318
Total	10,117	1,868	(D)	(D)	20,400	6,623

(D) Withheld to avoid disclosing data for individual operations.

**Early Non-Valencia Oranges Trees in Leading 10 Counties (Based on Acreage), by Year Set –
Florida: Crop Year 2022-2023 (continued)**

Year set	Highlands	Lake	Manatee	Osceola	Polk	Other counties
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979.....	14.9	1.4	8.3	4.7	40.1	5.5
1979-1988.....	151.6	44.8	56.7	87.7	281.4	147.1
1989-1998.....	388.4	89.0	73.4	32.1	712.6	148.4
1999-2001.....	99.1	8.9	44.5	16.5	195.1	30.5
2002-2004.....	63.8	14.2	34.3	14.3	162.7	46.7
2005-2007.....	57.2	21.4	32.3	7.3	207.4	75.7
2008-2010.....	177.8	20.5	16.2	36.9	243.0	89.6
2011-2013.....	166.4	33.6	30.0	32.6	283.4	156.8
2014-2016.....	244.3	18.9	69.4	7.7	342.4	111.7
2017-2019.....	74.0	6.5	32.3	6.5	212.2	72.1
Bearing	1,437.5	259.2	397.4	246.3	2,680.3	884.1
2020.....	34.3	4.3	(D)	(D)	49.8	36.0
2021.....	19.0	4.0	28.6	-	30.7	8.8
2022.....	6.5	5.5	(D)	(D)	1.8	6.0
Non-bearing	59.8	13.8	(D)	(D)	82.3	50.8
Total	1,497.3	273.0	(D)	(D)	2,762.6	934.9

(D) Withheld to avoid disclosing data for individual operations.

**Midseason Non-Valencia Oranges Acreage in Leading 8 Counties, by Year Set – Florida:
Crop Year 2022-2023**

Year set	State total	Charlotte	Collier	DeSoto	Hardee
	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979	418	(D)	-	138	119
1979-1988	798	(D)	61	66	133
1989-1998	2,391	86	46	699	363
1999-2001	846	-	49	316	226
2002-2004	746	-	30	198	192
2005-2007	522	(D)	28	122	108
2008-2010	1,038	15	-	334	120
2011-2013	1,241	27	96	382	22
2014-2016	895	(D)	128	109	102
2017-2019	449	-	162	48	56
Bearing	9,344	315	600	2,412	1,441
2020	118	6	(D)	(D)	54
2021	21	-	(D)	(D)	(D)
2022	17	-	-	-	(D)
Non-bearing	156	6	(D)	(D)	66
Total	9,500	321	(D)	(D)	1,507

See footnote(s) at end of table.

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**Midseason Non-Valencia Oranges Trees in Leading 8 Counties (Based on Acreage), by Year Set –
Florida: Crop Year 2022-2023**

Year set	State total	Charlotte	Collier	DeSoto	Hardee
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979	52.3	(D)	-	20.1	13.0
1979-1988	110.2	(D)	10.9	9.8	18.0
1989-1998	356.8	14.6	8.0	112.3	49.2
1999-2001	126.0	-	8.3	46.6	34.5
2002-2004	105.7	-	5.0	30.0	25.2
2005-2007	71.2	(D)	4.9	17.6	14.5
2008-2010	151.0	3.5	-	54.0	15.9
2011-2013	195.1	5.0	15.4	58.6	2.9
2014-2016	147.0	(D)	20.5	16.9	14.8
2017-2019	73.6	-	29.4	5.9	10.1
Bearing	1,388.9	59.6	102.4	371.8	198.1
2020	23.0	1.4	(D)	(D)	10.3
2021	3.0	-	(D)	(D)	(D)
2022	3.3	-	-	-	(D)
Non-bearing	29.3	1.4	(D)	(D)	12.8
Total	1,418.2	61.0	(D)	(D)	210.9

See footnote(s) at end of table.

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**Midseason Non-Valencia Oranges Acreage in Leading 8 Counties, by Year Set – Florida:
Crop Year 2023-2023 (continued)**

Year set	Hendry	Highlands	Osceola	Polk	Other counties
	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979	(D)	27	8	89	29
1979-1988.....	(D)	152	89	196	53
1989-1998.....	259	358	103	427	50
1999-2001.....	92	34	9	78	42
2002-2004.....	83	47	41	91	64
2005-2007.....	26	50	(D)	105	25
2008-2010.....	132	147	204	63	23
2011-2013.....	23	108	135	207	241
2014-2016.....	103	111	42	112	(D)
2017-2019.....	19	49	(D)	91	(D)
Bearing	788	1,083	640	1,459	606
2020.....	(D)	15	-	(D)	(D)
2021.....	(D)	(D)	-	(D)	(D)
2022.....	-	(D)	-	-	(D)
Non-bearing	(D)	26	-	17	18
Total	(D)	1,109	(D)	1,476	624

(D) Withheld to avoid disclosing data for individual operations.

**Midseason Non-Valencia Oranges Trees in Leading 8 Counties (Based on Acreage), by Year Set –
Florida: Crop Year 2022-2023 (continued)**

Year set	Hendry	Highlands	Osceola	Polk	Other counties
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979	(D)	3.7	0.8	10.3	3.6
1979-1988.....	(D)	19.8	10.5	27.5	7.4
1989-1998.....	38.5	53.2	15.2	58.5	7.3
1999-2001.....	12.3	5.4	1.1	11.3	6.5
2002-2004.....	12.5	6.5	4.8	12.5	9.2
2005-2007.....	3.3	7.0	(D)	13.4	3.5
2008-2010.....	20.1	24.3	22.5	7.2	3.5
2011-2013.....	3.4	16.3	15.7	36.4	41.4
2014-2016.....	15.4	18.8	4.4	17.9	(D)
2017-2019.....	2.5	7.2	(D)	13.7	(D)
Bearing	114.6	162.2	76.1	208.7	95.4
2020.....	(D)	2.7	-	(D)	(D)
2021.....	(D)	(D)	-	(D)	(D)
2022.....	-	(D)	-	-	(D)
Non-bearing	(D)	4.4	-	4.3	2.7
Total	(D)	166.6	(D)	213.0	98.1

(D) Withheld to avoid disclosing data for individual operations.

Valencia Oranges Acreage in Leading 10 Counties, by Year Set – Florida: Crop Year 2022-2023

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979	2,151	26	(D)	657	294	69
1979-1988	12,761	96	(D)	1,989	686	2,290
1989-1998	48,745	1,554	2,449	10,270	3,354	8,375
1999-2001	13,646	206	1,218	2,815	2,038	1,015
2002-2004	10,505	230	924	2,626	1,275	953
2005-2007	10,213	612	158	3,054	1,128	371
2008-2010	13,425	596	892	3,009	1,337	1,527
2011-2013	14,450	508	1,263	3,647	633	2,257
2014-2016	23,047	917	1,903	3,134	1,956	4,319
2017-2019	22,935	447	2,422	3,750	2,299	2,365
Bearing	171,878	5,192	12,744	34,951	15,000	23,541
2020	7,380	437	(D)	1,314	856	1,356
2021	5,551	76	(D)	1,139	451	1,385
2022	3,111	75	158	855	77	717
Non-bearing	16,042	588	637	3,308	1,384	3,458
Total	187,920	5,780	13,381	38,259	16,384	26,999

See footnote(s) at end of table.

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Valencia Oranges Trees in Leading 10 Counties (Based on Acreage), by Year Set – Florida: Crop Year 2022-2023

Year set	State total	Charlotte	Collier	DeSoto	Hardee	Hendry
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979	277.1	2.7	(D)	94.3	34.4	8.6
1979-1988	1,767.2	12.5	(D)	281.0	98.2	327.9
1989-1998	7,326.3	250.2	372.5	1,502.2	488.7	1,352.9
1999-2001	1,829.7	31.7	158.3	397.3	255.9	145.7
2002-2004	1,405.8	28.3	124.7	354.9	171.9	138.6
2005-2007	1,364.7	81.4	24.6	403.3	142.7	53.9
2008-2010	1,917.7	77.6	129.5	428.6	180.4	255.1
2011-2013	2,137.5	69.7	181.9	504.4	94.9	366.2
2014-2016	4,076.2	197.2	292.0	490.0	325.3	793.5
2017-2019	4,048.0	89.6	375.1	638.8	374.2	435.4
Bearing	26,150.2	840.9	1,881.5	5,094.8	2,166.6	3,877.8
2020	1,298.0	97.4	(D)	224.6	153.2	240.7
2021	1,034.6	12.2	(D)	216.5	90.7	277.3
2022	581.0	13.4	20.9	159.9	12.6	132.2
Non-bearing	2,913.6	123.0	101.8	601.0	256.5	650.2
Total	29,063.8	963.9	1,983.3	5,695.8	2,423.1	4,528.0

See footnote(s) at end of table.

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Valencia Oranges Acreage in Leading 10 Counties, by Year Set – Florida: Crop Year 2022-2023
(continued)

Year set	Highlands	Manatee	Osceola	Polk	St. Lucie	Other counties
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979	407	56	39	489	(D)	88
1979-1988	2,502	397	517	1,678	(D)	443
1989-1998	7,558	1,923	411	8,898	1,743	2,210
1999-2001	2,353	537	190	2,655	112	507
2002-2004	1,881	146	128	1,954	144	244
2005-2007	1,480	273	193	2,231	418	295
2008-2010	2,698	183	530	1,921	178	554
2011-2013	2,489	139	149	2,629	283	453
2014-2016	6,743	169	62	3,211	154	479
2017-2019	5,721	239	88	4,071	773	760
Bearing	33,832	4,062	2,307	29,737	4,479	6,033
2020	1,359	98	(D)	1,208	116	343
2021	894	227	(D)	755	205	208
2022	744	19	-	302	39	125
Non-bearing	2,997	344	25	2,265	360	676
Total	36,829	4,406	2,332	32,002	4,839	6,709

(D) Withheld to avoid disclosing data for individual operations.

Valencia Oranges Trees in Leading 10 Counties (Based on Acreage), by Year Set – Florida: Crop Year 2022-2023 (continued)

Year set	Highlands	Manatee	Osceola	Polk	St. Lucie	Other counties
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979	54.8	7.1	5.4	56.9	(D)	10.6
1979-1988	342.2	52.9	68.3	209.7	(D)	66.1
1989-1998	1,044.4	275.0	61.7	1,225.5	409.4	343.8
1999-2001	308.2	66.8	25.4	353.9	15.0	71.5
2002-2004	244.5	18.8	16.0	254.6	18.6	34.9
2005-2007	198.5	37.7	29.6	297.2	54.3	41.5
2008-2010	377.7	22.2	70.5	264.8	34.0	77.3
2011-2013	356.3	19.7	19.8	389.5	62.6	72.5
2014-2016	1,344.2	22.9	7.3	511.4	25.2	67.2
2017-2019	1,029.8	34.3	12.5	713.1	163.9	181.3
Bearing	5,300.6	557.4	316.5	4,276.6	870.8	966.7
2020	241.9	16.1	(D)	194.9	25.3	53.6
2021	172.6	36.5	(D)	114.7	43.5	36.4
2022	158.3	2.3	-	56.8	8.1	16.5
Non-bearing	572.8	54.9	3.6	366.4	76.9	106.5
Total	5,873.4	612.3	320.1	4,643.0	947.7	1,073.2

(D) Withheld to avoid disclosing data for individual operations.

**All Tangerine and Tangelo Acreage in Leading 5 Counties, by Year Set – Florida:
Crop Year 2022-2023**

Year set	State total	Hardee	Highlands	Indian River	Polk	St. Lucie	Other Counties
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979.....	181	(D)	31	3	52	(D)	93
1979-1988	245	(D)	27	7	73	(D)	107
1989-1998	954	24	208	64	344	127	187
1999-2001	159	(D)	6	(D)	32	21	34
2002-2004	172	-	(D)	(D)	16	96	20
2005-2007	97	(D)	(D)	(D)	36	35	15
2008-2010	179	(D)	(D)	78	27	47	14
2011-2013	897	(D)	(D)	406	274	37	164
2014-2016	1,922	236	85	574	651	94	282
2017-2019	2,189	355	82	92	533	151	976
Bearing	6,995	671	473	1,300	2,038	621	1,892
2020	620	39	(D)	(D)	129	24	261
2021	69	-	(D)	(D)	(D)	(D)	(D)
2022	118	-	-	(D)	(D)	(D)	(D)
Non-bearing.....	807	39	16	307	156	26	263
Total.....	7,802	710	489	1,607	2,194	647	2,155

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

**All Tangerine and Tangelo Trees in Leading 5 Counties (Based on Acreage), by Year Set
– Florida: Crop Year 2022-2023**

Year set	State total	Hardee	Highlands	Indian River	Polk	St. Lucie	Other Counties
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979.....	20.6	(D)	3.3	0.3	6.9	(D)	9.9
1979-1988	33.7	(D)	3.4	0.7	11.3	(D)	13.4
1989-1998	149.2	3.7	32.6	8.2	56.9	21.5	26.3
1999-2001	21.1	(D)	1.2	(D)	4.4	2.9	4.1
2002-2004	20.6	-	(D)	(D)	2.2	10.7	2.2
2005-2007	15.3	(D)	(D)	(D)	5.8	5.4	2.2
2008-2010	26.7	(D)	(D)	13.4	3.8	5.3	2.0
2011-2013	171.7	(D)	(D)	75.8	59.7	5.5	27.4
2014-2016	421.0	41.3	14.7	128.2	171.6	13.2	52.0
2017-2019	501.7	65.5	16.5	18.2	141.0	28.2	232.3
Bearing	1,381.6	118.7	78.4	255.0	463.6	94.1	371.8
2020	114.4	6.2	(D)	(D)	19.1	3.7	51.0
2021	11.3	-	(D)	(D)	(D)	(D)	(D)
2022	23.5	-	-	(D)	(D)	(D)	(D)
Non-bearing.....	149.2	6.2	3.5	60.1	24.1	4.0	51.3
Total.....	1,530.8	124.9	81.9	315.1	487.7	98.1	423.1

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

**All Grapefruit Acreage in Leading 5 Counties, by Year Set – Florida:
Crop Year 2022-2023**

Year set	State total	Collier	Hendry	Indian River	Polk	St. Lucie	Other Counties
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1979.....	239	-	-	235	2	(D)	(D)
1979-1988.....	2,390	22	(D)	430	30	(D)	(D)
1989-1998.....	5,014	263	162	991	132	2,697	769
1999-2001.....	198	28	(D)	90	3	62	(D)
2002-2004.....	476	39	-	164	24	181	68
2005-2007.....	558	82	66	69	10	147	184
2008-2010.....	1,081	62	(D)	288	120	380	(D)
2011-2013.....	1,628	61	23	354	12	878	300
2014-2016.....	907	48	121	177	15	437	109
2017-2019.....	619	78	7	188	47	220	79
Bearing.....	13,110	683	453	2,986	395	6,501	2,092
2020.....	860	112	(D)	338	(D)	273	(D)
2021.....	1,074	-	(D)	508	(D)	410	(D)
2022.....	843	-	(D)	185	(D)	398	174
Non-bearing.....	2,777	112	(D)	1,031	(D)	1,081	288
Total.....	15,887	795	(D)	4,017	(D)	7,582	2,380

(D) Withheld to avoid disclosing data for individual operations.

**All Grapefruit Trees in Leading 5 Counties (Based on Acreage), by Year Set – Florida:
Crop Year 2022-2023**

Year set	State total	Collier	Hendry	Indian River	Polk	St. Lucie	Other Counties
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1979.....	26.5	-	-	25.9	0.3	(D)	(D)
1979-1988.....	277.6	1.7	(D)	50.8	3.5	(D)	(D)
1989-1998.....	643.1	34.2	27.1	132.8	15.5	341.8	91.7
1999-2001.....	21.4	2.3	(D)	10.6	0.4	6.7	(D)
2002-2004.....	56.3	5.0	-	18.9	3.4	20.9	8.1
2005-2007.....	69.8	10.7	7.6	9.6	1.4	16.4	24.1
2008-2010.....	125.0	7.8	(D)	34.4	14.6	39.6	(D)
2011-2013.....	228.3	6.8	3.3	49.7	1.7	119.1	47.7
2014-2016.....	135.6	6.5	21.1	25.2	1.9	66.1	14.8
2017-2019.....	105.4	9.0	0.8	33.2	15.9	33.0	13.5
Bearing.....	1,689.0	84.0	69.6	391.1	58.6	817.5	268.2
2020.....	144.5	15.6	(D)	45.4	(D)	42.9	(D)
2021.....	177.4	-	(D)	72.1	(D)	70.5	(D)
2022.....	136.8	-	(D)	26.3	(D)	61.1	36.0
Non-bearing.....	458.7	15.6	(D)	143.8	(D)	174.5	54.2
Total.....	2,147.7	99.6	(D)	534.9	(D)	992.0	322.4

(D) Withheld to avoid disclosing data for individual operations.

Citrus Bearing Acreage by Type and State: Crop Year 2022-2023

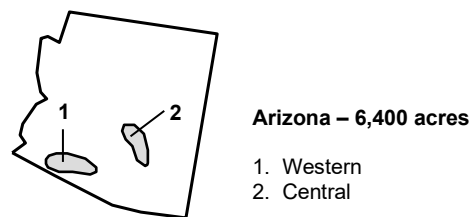
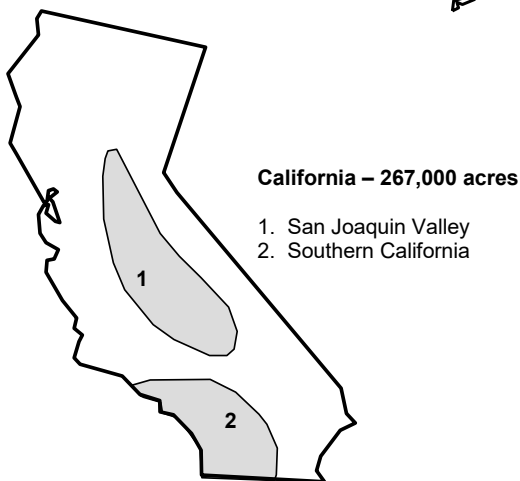
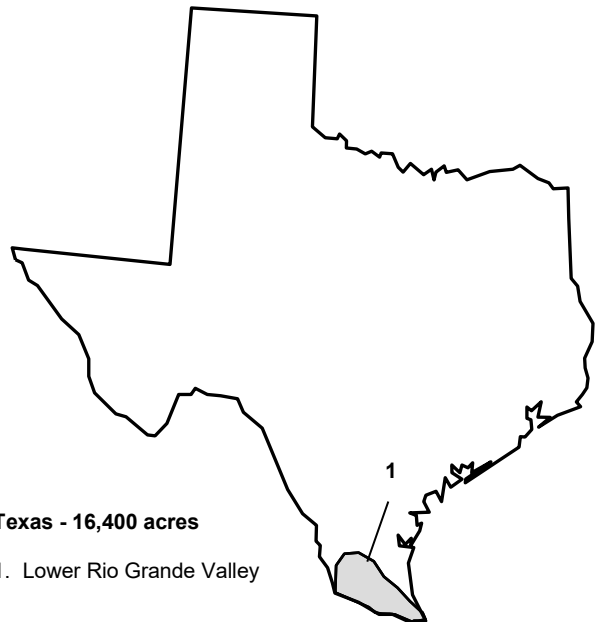
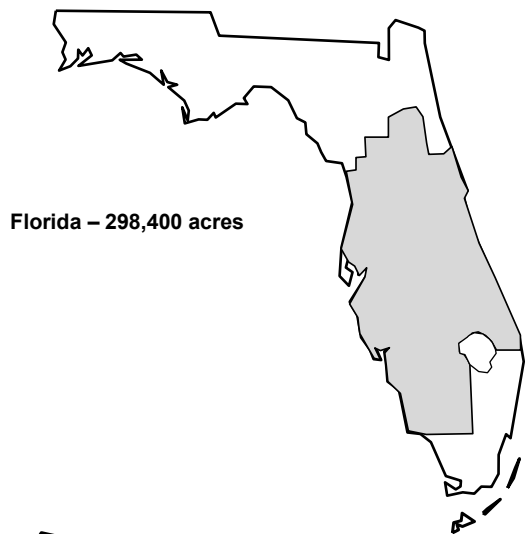
	Florida	California	Texas	Arizona	United States
	(acres)	(acres)	(acres)	(acres)	(acres)
Oranges:					
Non-Valencia	105,700	111,000	3,600	(NA)	220,300
Valencia	172,600	25,000	2,300	(NA)	199,900
All Oranges	278,300	136,000	5,900	(NA)	420,200
Grapefruit:					
Red Seedless	11,500	(NA)	(NA)	(NA)	(NA)
White Seedless	1,600	(NA)	(NA)	(NA)	(NA)
All Grapefruit ¹	13,100	9,000	10,500	(NA)	32,600
Lemons	(NA)	53,000	(NA)	6,400	59,400
Tangerines and Mandarins ²	7,000	69,000	(NA)	(NA)	76,000
Total Citrus	298,400	267,000	16,400	6,400	588,200

(NA) Not available.

¹ Includes pummelos in California.

² Includes tangelos.

U. S. Citrus Production Areas and Bearing Acreage



DATA SOURCES

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

1. Florida Automated Weather Network
University of Florida
P.O. Box 110350
Gainesville, FL 32611-0350
<https://fawn.ifas.ufl.edu>
 2. Florida Department of Agriculture and Consumer Services
Division of Fruit and Vegetables
170 Century Blvd.
Bartow, FL 33830-7700
<https://www.fdacs.gov/Divisions-Offices/Fruit-and-Vegetables>
 3. Florida Department of Citrus
605 East Main Street
Bartow, FL 33830-4831
<https://www.floridacitrus.org/grower/>
- Mailing Address:
P.O. Box 9010
Bartow, FL 33831-9010

Other significant citrus related organizations and sources.

- United States Department of Agriculture
National Agricultural Statistics Service
1400 Independence Ave., SW
Washington, D.C. 20250
<http://www.nass.usda.gov>
- Florida Citrus Mutual
600 N. Broadway Ave., Suite 101
Bartow, FL 33830-3807
<http://flcitrusmutual.com>
- Citrus Administrative Committee
800 Trafalgar Ct., Suite 200
Maitland, FL 32751-7419
<http://citrusadministrativecommittee.org>
- Florida Citrus Processors Association
201 N. Franklin St., Suite 2000
Tampa, FL 33602-5627
<http://www.fcplanet.org>
- United States Department of Agriculture
Economic Research Service
1400 Independence Ave., SW
Mail Stop 1800
Washington, D.C. 20250-0002
<http://www.ers.usda.gov>
- United States Department of Agriculture
Foreign Agricultural Service
1400 Independence Ave., SW
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Washington, D.C. 20250
<http://www.fas.usda.gov>

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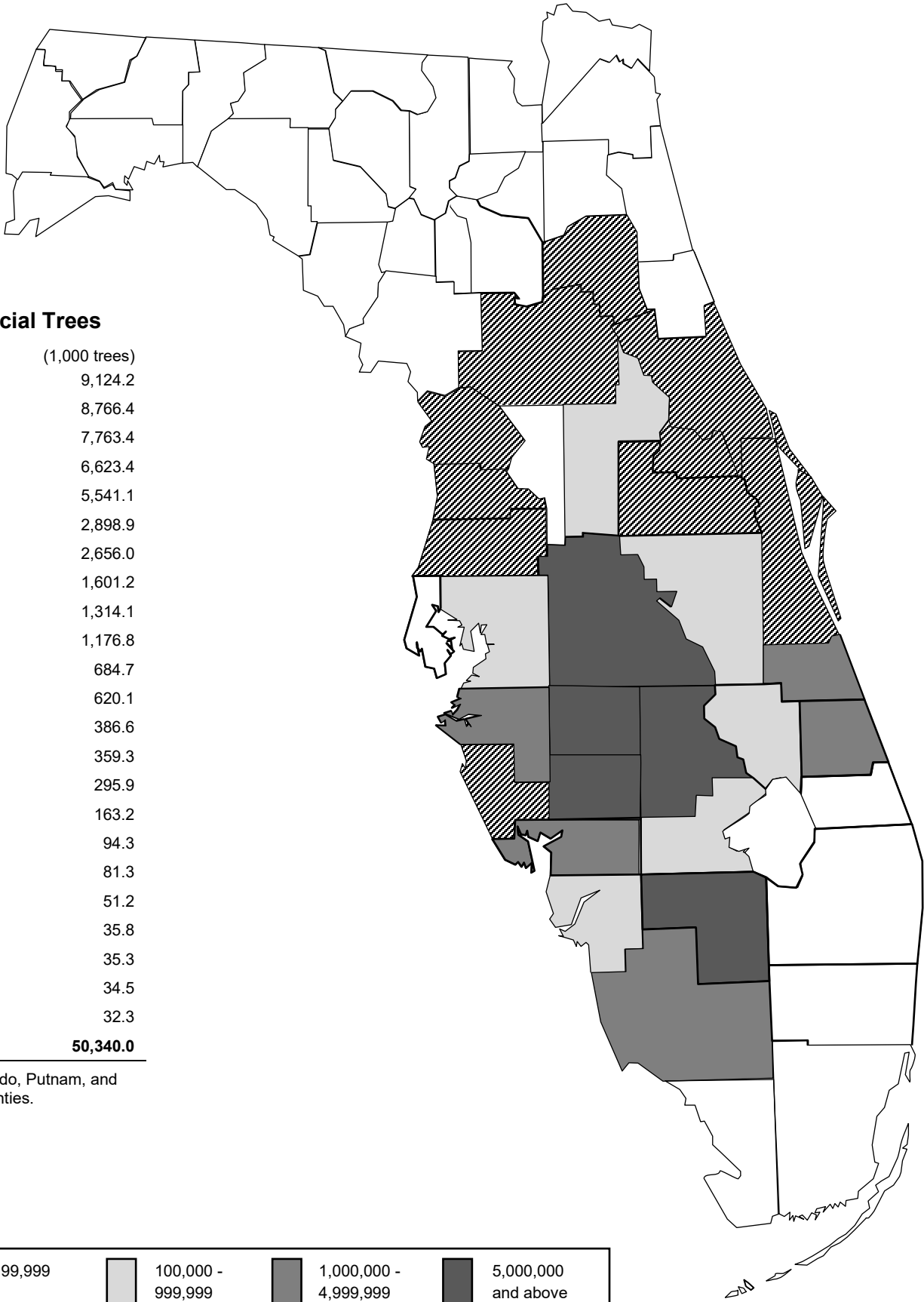
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Email: nassrfopcr@usda.gov

¹ State Websites can be accessed through the main NASS USDA Website, <<http://www.nass.usda.gov/>>.

Commercial Citrus Trees by County 2023



Commercial Trees

(1,000 trees)

DeSoto	9,124.2
Polk	8,766.4
Highlands	7,763.4
Hendry	6,623.4
Hardee	5,541.1
Collier	2,898.9
St. Lucie	2,656.0
Charlotte	1,601.2
Indian River	1,314.1
Manatee	1,176.8
Osceola	684.7
Lake	620.1
Glades	386.6
Okeechobee	359.3
Lee	295.9
Hillsborough	163.2
Sarasota	94.3
Pasco	81.3
Orange	51.2
Brevard	35.8
Marion	35.3
Volusia	34.5
Other Counties ¹	32.3
Total	50,340.0

¹ Citrus, Hernando, Putnam, and Seminole Counties.



