



CITRUS COMMERCIAL CITRUS INVENTORY
PRELIMINARY REPORT

Cooperating with the Florida Department of Agriculture and Consumer Services
851 Trafalgar Ct, Suite 310E, Maitland, FL 32751-4132
(407) 648-6013 · (855) 271-9801 FAX · www.nass.usda.gov/fl

September 7, 2022

All Citrus Acreage Down 8 Percent

Results of the annual Commercial Citrus Inventory show total citrus acreage is 375,302 acres, down 8 percent from the last survey. The net loss of 32,046 acres is 19,942 acres more than what was lost the previous season. New plantings at 7,980 acres are down from the previous season. All citrus trees, at 55.8 million, are down 7 percent from the previous season.

Of the 24 published counties included in the survey, 23 recorded decreases in acreage while 1 county (Brevard) showed an increase. Hendry County lost the most acreage, down 6,640 acres from the previous season. DeSoto County records the most citrus acres at 64,641 acres.

Orange acreage is now at 343,659 acres, down 8 percent from the previous season. Valencia acreage accounts for 60 percent of the total orange acreage, non-Valencia acreage represents 38 percent, and the remaining orange acreage is unidentified.

Grapefruit acreage is now at 17,997 acres, down 10 percent from the previous season. White grapefruit (including seedy) is 12 percent of the total with 2,091 acres, while red grapefruit is 87 percent of the total with 15,667 acres. The remaining 1 percent is unidentified.

Specialty fruit acreage, at 13,646 acres, is down 10 percent from the previous season. Tangerines and tangelos account for 60 percent of the specialty fruit, with 8,205 acres. The remaining acreage includes true lemons and other citrus acreage, with a total of 5,441 acres, or 40 percent.

All Citrus Acreage, by Variety and Survey Year, and Changes Between Surveys – Florida: 1996-2022

Survey ¹ year	Oranges ² (acres)	Grapefruit (acres)	Specialty ² fruit (acres)	Total (acres)	Change		Net change (acres)
					Gross loss (acres)	New plantings (acres)	
1996	656,598	144,416	56,673	857,687	35,947	39,892	+3,945
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	-9,385
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

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 the 2017 survey.

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

All Citrus Acreage, by Variety and Year Set – Florida: Crop Year 2021-2022

Year set	All citrus	Oranges				
		Early non-Valencia	Midseason non-Valencia	Valencia	Unidentified	Total
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1978.....	5,359	1,428	554	2,688	-	4,670
1978-1987.....	27,962	11,971	965	12,407	-	25,343
1988-1997.....	92,962	25,621	3,010	56,282	-	84,913
1998-2000.....	26,710	7,962	(D)	17,068	(D)	26,061
2001-2003.....	26,488	10,478	1,220	14,140	-	25,838
2004-2006.....	23,132	9,771	(D)	11,756	(D)	22,331
2007-2009.....	26,159	10,733	1,181	13,293	-	25,207
2010-2012.....	29,236	10,314	(D)	14,753	(D)	26,550
2013-2015.....	41,830	14,769	(D)	22,215	(D)	38,345
2016-2018.....	44,501	9,723	820	26,502	944	37,989
Bearing	344,339	112,770	12,428	191,104	945	317,247
2019.....	10,623	1,769	155	6,258	817	8,999
2020.....	12,360	2,429	133	6,099	1,943	10,604
2021.....	7,980	1,387	12	4,111	1,299	6,809
Non-bearing	30,963	5,585	300	16,468	4,059	26,412
Total	375,302	118,355	12,728	207,572	5,004	343,659

See footnote(s) at end of table.

All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2021-2022

Year set	All citrus	Oranges				
		Early non-Valencia	Midseason non-Valencia	Valencia	Unidentified	Total
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1978.....	654.9	171.9	69.0	345.7	-	586.6
1978-1987.....	3,682.8	1,570.3	130.8	1,683.7	-	3,384.8
1988-1997.....	13,655.5	3,679.0	443.8	8,492.0	-	12,614.8
1998-2000.....	3,613.6	1,069.2	(D)	2,314.2	(D)	3,527.6
2001-2003.....	3,548.7	1,406.8	179.5	1,884.1	-	3,470.4
2004-2006.....	3,031.2	1,278.1	(D)	1,542.9	(D)	2,929.5
2007-2009.....	3,639.5	1,480.7	167.7	1,872.0	-	3,520.4
2010-2012.....	4,254.0	1,523.0	(D)	2,127.0	(D)	3,878.1
2013-2015.....	6,828.7	2,342.9	(D)	3,641.9	(D)	6,193.8
2016-2018.....	7,665.5	1,591.2	128.4	4,661.4	156.7	6,537.7
Bearing	50,574.4	16,113.1	1,808.6	28,564.9	157.1	46,643.7
2019.....	1,802.3	278.0	25.5	1,106.1	123.0	1,532.6
2020.....	2,040.6	391.3	25.2	1,024.4	302.4	1,743.3
2021.....	1,340.0	227.1	1.7	718.7	212.7	1,160.2
Non-bearing	5,182.9	896.4	52.4	2,849.2	638.1	4,436.1
Total	55,757.3	17,009.5	1,861.0	31,414.1	795.2	51,079.8

See footnote(s) at end of table.

All Citrus Acreage, by Variety and Year Set – Florida: Crop Year 2021-2022 (continued)

Year set	Grapefruit					All Tangerines and Tangelos	Other Citrus
	Red Seedless	White Seedless	Seedy	Unidentified	Total		
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1978.....	371	114	4	-	489	(D)	(D)
1978-1987.....	2,328	84	1	-	2,413	(D)	(D)
1988-1997.....	5,188	1,544	2	-	6,734	1,172	143
1998-2000.....	414	23	-	-	437	192	20
2001-2003.....	384	(D)	(D)	-	403	173	74
2004-2006.....	585	27	-	-	612	176	13
2007-2009.....	808	(D)	(D)	-	822	71	59
2010-2012.....	1,860	26	-	-	1,886	601	199
2013-2015.....	1,545	31	-	-	1,576	1,654	255
2016-2018.....	462	34	-	-	496	2,696	3,320
Bearing	13,945	1,916	7	-	15,868	7,135	4,089
2019.....	289	(D)	-	(D)	376	494	754
2020.....	713	(D)	-	(D)	733	540	483
2021.....	720	97	-	203	1,020	36	115
Non-bearing	1,722	168	-	239	2,129	1,070	1,352
Total	15,667	2,084	7	239	17,997	8,205	5,441

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

All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2021-2022 (continued)

Year set	Grapefruit					All Tangerines and Tangelos	Other Citrus
	Red Seedless	White Seedless	Seedy	Unidentified	Total		
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1978.....	32.8	12.6	0.4	-	45.8	(D)	(D)
1978-1987.....	263.0	9.4	0.1	-	272.5	(D)	(D)
1988-1997.....	648.4	190.7	0.2	-	839.3	182.8	18.6
1998-2000.....	55.1	2.8	-	-	57.9	25.2	2.9
2001-2003.....	43.9	(D)	(D)	-	46.2	22.8	9.3
2004-2006.....	70.7	2.7	-	-	73.4	26.4	1.9
2007-2009.....	96.5	(D)	(D)	-	97.6	10.6	10.9
2010-2012.....	238.8	3.0	-	-	241.8	101.4	32.7
2013-2015.....	225.7	3.5	-	-	229.2	367.6	38.1
2016-2018.....	64.9	5.4	-	-	70.3	589.4	468.1
Bearing	1,739.8	233.5	0.7	-	1,974.0	1,373.8	582.9
2019.....	53.8	(D)	-	(D)	65.2	106.8	97.7
2020.....	126.2	(D)	-	(D)	128.8	104.9	63.6
2021.....	116.4	13.8	-	26.5	156.7	5.7	17.4
Non-bearing	296.4	23.2	-	31.1	350.7	217.4	178.7
Total	2,036.2	256.7	0.7	31.1	2,324.7	1,591.2	761.6

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

All Citrus Acreage and Trees, by County and Year of Inventory – Florida: 2019-2022

County	2019	2020	2021	2022	2019	2020	2021	2022
	(acres)	(acres)	(acres)	(acres)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Brevard.....	360	374	347	352	47.6	50.0	46.7	47.3
Charlotte	14,448	14,590	13,389	11,541	2,301.5	2,357.5	2,201.5	1,923.6
Collier	30,462	30,378	28,970	26,169	4,509.8	4,514.4	4,322.0	3,872.4
DeSoto	67,406	67,044	66,638	64,641	9,427.8	9,472.3	9,587.5	9,471.3
Glades.....	5,463	5,601	5,523	3,955	781.5	815.8	825.3	584.4
Hardee	43,761	43,492	43,237	41,595	5,805.6	5,792.2	5,923.1	5,835.0
Hendry.....	61,656	59,227	57,900	51,260	9,653.7	9,278.9	9,100.4	8,187.9
Hernando	352	200	111	87	44.8	25.8	13.3	11.1
Highlands	57,964	57,351	56,850	52,092	8,536.7	8,553.7	8,591.9	7,957.8
Hillsborough.....	2,518	1,835	1,461	1,025	339.9	282.7	242.5	197.2
Indian River.....	15,708	14,990	13,309	11,483	2,030.7	2,019.3	1,874.2	1,667.1
Lake.....	6,083	5,374	5,222	4,319	908.7	801.7	786.2	653.0
Lee	9,107	6,791	6,579	5,053	1,236.7	937.9	915.3	711.0
Manatee	13,392	13,205	11,614	9,266	1,859.2	1,837.1	1,603.3	1,310.7
Marion	972	841	788	544	120.7	103.1	96.0	62.9
Martin	1,289	1,144	512	-	244.5	222.7	87.3	-
Okeechobee	3,597	3,178	2,906	2,434	524.5	475.2	445.5	378.1
Orange	992	887	702	556	135.6	118.5	94.6	75.8
Osceola.....	6,685	6,320	6,095	5,925	868.0	822.3	798.0	774.4
Pasco	1,276	926	730	597	175.5	130.8	106.1	85.0
Polk	66,969	64,379	63,328	62,005	8,991.7	8,905.5	8,998.5	8,940.9
St. Lucie.....	18,124	19,504	19,385	18,914	2,570.6	2,825.8	2,836.6	2,820.9
Sarasota.....	1,118	1,121	1,111	959	138.2	139.5	139.1	121.8
Seminole.....	302	215	216	133	39.9	29.6	29.6	20.6
Volusia	514	406	350	339	59.1	47.8	40.0	38.7
Other Counties ¹	83	79	75	58	11.9	11.3	10.9	8.4
Total.....	430,601	419,452	407,348	375,302	61,364.4	60,571.4	59,715.4	55,757.3

- Represents zero.

¹ Includes Citrus and Putnam.

Citrus Inventory 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. 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.

Each change observed by the photo interpreter is followed by a ground check, which usually results in a revised tree count for the grove. Acreages can be verified using the GIS. Tree numbers are from actual tree counts or from measured acreage. Block sizes are reduced as necessary for dead trees or empty spaces, as well as barnyards, turn rows, swale ditches, and irrigation ponds.

A record for each separate planting or block is maintained in the data system. A new record is created for each new planting, and records of plantings, which no longer exist, are transferred to an inactive layer. For this inventory period, 51.3 percent of the state's total citrus acreage was visited to update the records.

All Citrus Acreage and Trees, by Variety and Year of Inventory – Florida: 2019-2022

Variety	2019	2020	2021	2022	2019	2020	2021	2022
	(acres)	(acres)	(acres)	(acres)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Oranges:								
Hamlin.....	127,464	122,677	116,781	106,554	17,661.5	17,195.2	16,590.7	15,350.6
Parson Brown.....	4,987	4,682	4,324	3,647	690.1	638.4	594.6	499.4
Navel.....	7,270	6,844	6,507	5,499	1,026.8	982.0	949.4	794.4
Ambersweet.....	140	104	84	-	20.6	14.7	12.0	-
Other early non-Valencia....	2,707	2,721	2,733	2,655	366.7	372.4	375.4	365.1
Pineapple.....	11,495	10,725	9,730	8,021	1,595.5	1,509.7	1,390.4	1,144.5
Other mid non-Valencia.....	5,601	5,441	5,013	4,707	828.9	813.1	756.2	716.5
Non-Valencia.....	159,664	153,194	145,172	131,083	22,190.1	21,525.5	20,668.7	18,870.5
Valencia.....	227,311	224,052	221,985	207,572	33,045.5	32,960.4	33,165.2	31,414.1
Unidentified.....	5,540	5,147	5,197	5,004	899.0	857.3	816.1	795.2
Total Oranges.....	392,515	382,393	372,354	343,659	56,134.6	55,343.2	54,650.0	51,079.8
Grapefruit:								
Seedy.....	146	87	36	7	14.5	8.7	3.8	0.7
Red seedless.....	20,805	18,606	16,919	2,084	2,499.1	2,274.3	2,136.8	256.7
White seedless.....	4,188	3,708	2,864	15,667	467.5	422.4	335.1	2,036.2
Unidentified.....	200	52	89	239	27.3	9.5	12.4	31.1
Total Grapefruit.....	25,339	22,453	19,908	17,997	3,008.4	2,714.9	2,488.1	2,324.7
Specialty:								
Tangerines and Tangelos	10,490	10,038	9,549	8,205	1,874.3	1,860.4	1,800.9	1,591.2
True Lemons.....	214	108	170	166	32.3	15.4	23.5	22.9
Other Citrus ¹	2,043	4,460	5,367	5,275	314.8	637.5	752.9	738.7
Total Specialty.....	12,747	14,606	15,086	13,646	2,221.4	2,513.3	2,577.3	2,352.8
Total Citrus.....	430,601	419,452	407,348	375,302	61,364.4	60,571.4	59,715.4	55,757.3

- Represents zero.

¹ Includes Meyer lemons.