



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

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All Citrus Acreage Down 3 Percent

Results of the annual Commercial Citrus Inventory show total citrus acreage is 407,348 acres, down 3 percent from the last survey and the lowest in a series which began in 1966. The net loss of 12,104 acres is 955 acres more than what was lost last season. New plantings at 10,448 acres are up from the previous season. All citrus trees, at 59.7 million, are down 1 percent from the previous season.

Of the 25 published counties included in the survey, 24 recorded decreases in acreage while 1 county showed an increase. Indian River county lost the most acreage, down 1,681 acres from last year. For the third consecutive season, Desoto County records the most citrus acres at 66,638 acres.

Orange acreage is now at 372,354 acres, down 3 percent from the previous season. The Western area continues to come in with the most orange acreage at 121,395. The Central area has the second most with 119,231 acres. The Southern area now has 113,368 acres. The remaining two areas, the Northern area and Indian River area, combined have 18,360 orange acres. Valencia acreage accounts for 60 percent of the total orange acreage, non-Valencia acreage represents 39 percent, and the remaining orange acreage is unidentified.

Grapefruit acreage is now at 19,908 acres, down 11 percent from last season. White grapefruit (including seedy) is 15 percent of the total with 2,900 acres, while red grapefruit is 85 percent of the total with 16,919 acres. The Indian River District has 69 percent of the total grapefruit acreage.

Specialty fruit acreage, at 15,086 acres, is up 3 percent from last season. Tangerines and tangelos account for 63 percent of the specialty fruit. The remaining acreage includes true lemons and other citrus acreage, with a total of 5,537 acres, or 37 percent.

All Citrus Acreage, by Variety and Survey Year, and Changes Between Surveys – Florida: 1996-2021

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

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 2020-2021

Year set	All citrus	Oranges				
		Early non-Valencia	Midseason non-Valencia	Valencia	Unidentified	Total
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1977.....	7,200	1,839	805	3,335	-	5,979
1977-1986.....	22,437	9,890	812	9,004	-	19,706
1987-1996.....	112,367	32,683	3,342	65,864	-	101,889
1997-1999.....	30,143	7,684	(D)	20,434	(D)	29,368
2000-2002.....	27,644	10,903	1,221	14,886	-	27,010
2003-2005.....	25,705	10,896	1,080	12,684	-	24,660
2006-2008.....	26,629	10,772	(D)	13,922	(D)	25,826
2009-2011.....	31,459	12,101	1,534	15,705	-	29,340
2012-2014.....	40,890	15,416	(D)	19,565	(D)	37,003
2015-2017.....	47,098	12,017	1,131	28,392	656	42,196
Bearing.....	371,572	124,201	14,328	203,791	657	342,977
2018.....	14,597	2,662	183	7,789	922	11,556
2019.....	10,731	1,658	122	5,682	1,557	9,019
2020.....	10,448	1,908	110	4,723	2,061	8,802
Non-bearing.....	35,776	6,228	415	18,194	4,540	29,377
Total.....	407,348	130,429	14,743	221,985	5,197	372,354

See footnote(s) at end of table.

All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2020-2021

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-1977.....	867.7	223.2	102.0	425.0	-	750.2
1977-1986.....	2,871.1	1,260.7	107.0	1,210.6	-	2,578.3
1987-1996.....	16,442.5	4,682.4	498.3	9,892.1	-	15,072.8
1997-1999.....	4,120.0	1,035.1	(D)	2,804.2	(D)	4,013.4
2000-2002.....	3,655.6	1,435.2	175.2	1,972.9	-	3,583.3
2003-2005.....	3,375.7	1,418.9	149.7	1,679.3	-	3,247.9
2006-2008.....	3,569.6	1,412.3	(D)	1,900.2	(D)	3,467.4
2009-2011.....	4,440.6	1,753.9	230.7	2,174.7	-	4,159.3
2012-2014.....	6,358.5	2,423.1	(D)	2,983.4	(D)	5,717.6
2015-2017.....	8,058.3	1,915.8	178.2	4,950.7	110.2	7,154.9
Bearing.....	53,759.6	17,560.6	2,080.8	29,993.1	110.6	49,745.1
2018.....	2,447.5	402.9	24.4	1,358.7	163.1	1,949.1
2019.....	1,794.7	251.4	20.9	1,010.7	226.9	1,509.9
2020.....	1,713.6	307.2	20.5	802.7	315.5	1,445.9
Non-bearing.....	5,995.8	961.5	65.8	3,172.1	705.5	4,904.9
Total.....	59,715.4	18,522.1	2,146.6	33,165.2	816.1	54,650.0

See footnote(s) at end of table.

All Citrus Acreage, by Variety and Year Set – Florida: Crop Year 2020-2021 (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-1977.....	614	312	22	-	948	(D)	(D)
1977-1986.....	2,431	(D)	(D)	(D)	2,534	(D)	(D)
1987-1996.....	6,421	2,098	11	-	8,530	1,805)	143
1997-1999.....	418	69	-	-	487	265	23
2000-2002.....	294	(D)	(D)	(D)	340	229	65
2003-2005.....	760	21	-	-	781	239	25
2006-2008.....	612	37	-	-	649	(D)	(D)
2009-2011.....	1,491	32	-	-	1,523	377	219
2012-2014.....	2,151	41	-	-	2,192	1,606	89
2015-2017.....	708	(D)	(D)	(D)	756	2,610	1,536
Bearing.....	15,900	2,790	36	14	18,740	7,737	2,118
2018.....	139	(D)	-	(D)	142	909	1,990
2019.....	306	(D)	-	(D)	393	537	782
2020.....	574	(D)	-	(D)	633	366	647
Non-bearing.....	1,019	74	-	75	1,168	1,812	3,419
Total.....	16,919	2,864	36	89	19,908	9,549	5,537

- Represents zero.

D Withheld to avoid disclosing data for individual operations.

All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2020-2021 (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-1977.....	53.0	31.1	2.4	-	86.5	(D)	(D)
1977-1986.....	258.3	(D)	(D)	(D)	269.1	(D)	(D)
1987-1996.....	803.5	251.3	1.1	-	1,055.9	294.9	18.9
1997-1999.....	56.7	8.3	-	-	65.0	38.2	3.4
2000-2002.....	30.5	(D)	(D)	(D)	35.3	29.1	7.9
2003-2005.....	90.5	2.4	-	-	92.9	31.5	3.4
2006-2008.....	76.5	3.2	-	-	79.7	(D)	(D)
2009-2011.....	177.1	3.5	-	-	180.6	63.0	37.7
2012-2014.....	311.4	4.7	-	-	316.1	308.4	16.4
2015-2017.....	95.1	(D)	(D)	(D)	103.6	576.4	223.4
Bearing.....	1,952.6	325.2	3.8	3.1	2,284.7	1,416.0	313.8
2018.....	24.1	(D)	-	(D)	24.6	202.6	271.2
2019.....	56.9	(D)	-	(D)	68.3	114.2	102.3
2020.....	103.2	(D)	-	(D)	110.5	68.1	89.1
Non-bearing.....	184.2	9.9	-	9.3	203.4	384.9	462.6
Total.....	2,136.8	335.1	3.8	12.4	2,488.1	1,800.9	776.4

- Represents zero.

D Withheld to avoid disclosing data for individual operations.

All Citrus Acreage and Trees, by County and Year of Inventory – Florida: 2018-2021

County	2018	2019	2020	2021	2018	2019	2020	2021
	(acres)	(acres)	(acres)	(acres)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Brevard.....	771	360	374	347	106.7	47.6	50.0	46.7
Charlotte	14,674	14,448	14,590	13,389	2,299.4	2,301.5	2,357.5	2,201.5
Collier.....	30,752	30,462	30,378	28,970	4,550.7	4,509.8	4,514.4	4,322.0
DeSoto.....	67,604	67,406	67,044	66,638	9,308.7	9,427.8	9,472.3	9,587.5
Glades.....	5,490	5,463	5,601	5,523	783.6	781.5	815.8	825.3
Hardee	44,347	43,761	43,492	43,237	5,849.5	5,805.6	5,792.2	5,923.1
Hendry.....	64,226	61,656	59,227	57,900	9,985.0	9,653.7	9,278.9	9,100.4
Hernando.....	437	352	200	111	52.8	44.8	25.8	13.3
Highlands	58,829	57,964	57,351	56,850	8,514.0	8,536.7	8,553.7	8,591.9
Hillsborough.....	3,038	2,518	1,835	1,461	401.1	339.9	282.7	242.5
Indian River.....	19,228	15,708	14,990	13,309	2,358.0	2,030.7	2,019.3	1,874.2
Lake.....	6,567	6,083	5,374	5,222	966.0	908.7	801.7	786.2
Lee	9,369	9,107	6,971	6,579	1,276.6	1,236.7	937.9	915.3
Manatee.....	14,658	13,392	13,205	11,614	1,960.2	1,859.2	1,837.1	1,603.3
Marion	986	972	841	788	123.3	120.7	103.1	96.0
Martin	1,995	1,289	1,144	512	361.7	244.5	222.7	87.3
Okeechobee	3,664	3,597	3,178	2,906	529.4	524.5	475.2	445.5
Orange	1,130	992	887	702	150.2	135.6	118.5	94.6
Osceola.....	6,925	6,685	6,320	6,095	887.5	868.0	822.3	798.0
Pasco.....	1,900	1,276	926	730	273.0	175.5	130.8	106.1
Polk	67,770	66,969	64,379	63,328	8,827.5	8,991.7	8,905.5	8,998.5
St. Lucie.....	20,562	18,124	19,504	19,385	2,842.3	2,570.6	2,825.8	2,836.6
Sarasota.....	1,047	1,118	1,121	1,111	129.0	138.2	139.5	139.1
Seminole.....	307	302	215	216	40.3	39.9	29.6	29.6
Volusia	570	514	406	350	65.6	59.1	47.8	40.0
Other Counties ¹	166	83	79	75	21.9	11.9	11.3	10.9
Total.....	447,012	430,601	419,452	407,348	62,664.0	61,364.4	60,571.4	59,715.4

¹ Includes Citrus and Putnam starting in 2019.

All Citrus Acreage and Trees, by Variety and Year of Inventory – Florida: 2018-2021

Variety	2018	2019	2020	2021	2018	2019	2020	2021
	(acres)	(acres)	(acres)	(acres)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Oranges:								
Hamlin.....	131,027	127,464	122,677	116,781	18,020.4	17,661.5	17,195.2	16,590.7
Parson Brown.....	5,271	4,987	4,682	4,324	720.9	690.1	638.4	594.6
Navel.....	7,482	7,270	6,844	6,507	1,043.8	1,026.8	982.0	949.4
Ambersweet.....	203	140	104	84	29.3	20.6	14.7	12.0
Other early non-Valencia....	2,717	2,707	2,721	2,733	364.3	366.7	372.4	375.4
Pineapple.....	12,496	11,495	10,725	9,730	1,696.1	1,595.5	1,509.7	1,390.4
Other mid non-Valencia.....	5,788	5,601	5,441	5,013	840.9	828.9	813.1	756.2
Non-Valencia.....	164,984	159,664	153,194	145,172	22,715.7	22,190.1	21,525.5	20,668.7
Valencia.....	229,863	227,311	224,052	221,985	32,933.8	33,045.5	32,960.4	33,165.2
Unidentified.....	8,610	5,540	5,147	5,197	1,371.8	899.0	857.3	816.1
Total Oranges.....	403,457	392,515	382,393	372,354	57,021.3	56,134.6	55,343.2	54,650.0
Grapefruit:								
Seedy.....	156	146	87	36	15.6	14.5	8.7	3.8
Red seedless.....	24,179	20,805	18,606	16,919	2,861.1	2,499.1	2,274.3	2,136.8
White seedless.....	6,181	4,188	3,708	2,864	652.8	467.5	422.4	335.1
Unidentified.....	407	200	52	89	68.4	27.3	9.5	12.4
Total Grapefruit.....	30,923	25,339	22,453	19,908	3,597.9	3,008.4	2,714.9	2,488.1
Specialty:								
Tangelos:								
Orlando Tangelos.....	628	463	323	(X)	90.4	67.0	45.5	(X)
Minneola Tangelos.....	1,254	1,159	1,176	(X)	158.1	145.5	149.1	(X)
Total Tangelos⁴.....	1,882	1,622	1,499	(X)	248.5	212.5	194.6	(X)
Tangerines:								
Fallglo Tangerines ¹	911	1,596	1,682	(X)	153.5	368.8	393.1	(X)
Sunburst Tangerines.....	1,519	1,076	722	(X)	239.9	175.6	122.2	(X)
Royal Tangerines.....	821	769	646	(X)	100.2	96.0	81.5	(X)
Honey Tangerines.....	3,211	2,585	2,009	(X)	495.4	414.3	339.8	(X)
Other Tangerines ²	2,943	2,842	3,480	(X)	615.5	607.1	729.2	(X)
Total Tangerines.....	9,405	8,868	8,539	(X)	1,604.5	1,661.8	1,665.8	(X)
Total Tangerines and Tangelos.....	11,287	10,490	10,038	9,549	1,853.0	1,874.3	1,860.4	1,800.9
True Lemons.....	124	214	108	170	15.8	32.3	15.4	23.5
Other Citrus ³	1,221	2,043	4,460	5,367	176.0	314.8	637.5	752.9
Total Specialty.....	12,632	12,747	14,606	15,086	2,044.8	2,221.4	2,513.3	2,577.3
Total Citrus.....	447,012	430,601	419,452	407,348	62,664.0	61,364.4	60,571.4	59,715.4

X Not applicable.

¹ Includes Early Pride Tangerines beginning in 2019.

² Includes Autumn Honey, Juicy Crunch, Orri, Roe, Tango and other minor tangerine varieties.

³ Includes Meyer lemons.

All Citrus Acreage, by Production Area and Year of Inventory – Florida: 2020-2021

Production Area	Oranges		Grapefruit		Specialty		Total	
	2020	2021	2020	2021	2020	2021	2020	2021
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Indian River.....	11,851	11,385	15,870	13,703	5,590	6,226	33,311	31,314
Northern.....	7,538	6,975	377	327	976	855	8,891	8,157
Central.....	120,763	119,231	1,631	1,410	3,831	3,952	126,225	124,593
Western.....	123,950	121,395	868	888	1,879	1,778	126,697	124,061
Southern.....	118,291	113,368	3,707	3,580	2,330	2,275	124,328	119,223
Total.....	382,393	372,354	22,453	19,908	14,606	15,086	419,452	407,348

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, 55.9 percent of the state's total citrus acreage was visited to update the records.

Production areas were redesigned in 1986 to give greater efficiency for objective forecasting purposes. The principal change was to place all the northern freeze-prone regions in a single area and to set apart the southern flatwoods plantings. The Indian River District follows the boundary of the Indian River Marketing District. This stratification provides greater homogeneity within each sampling stratum.

