



**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](http://www.nass.usda.gov/fl)

August 26, 2020

**All Citrus Acreage Down 3 Percent**

Results of the annual Commercial Citrus Inventory show total citrus acreage is 419,452 acres, down 3 percent from the last survey and the lowest in a series, which began in 1966. The net loss of 11,149 acres is 5,262 acres less than what was lost last season. New plantings at 7,885 acres are down from the previous season. All citrus trees, at 60.6 million, are down 1 percent from the previous season.

Of the 25 published counties included in the survey, 20-recorded decreases in acreage, 5 counties showed increases. Polk County lost the most acreage, down 2,590 acres from last year. For the second consecutive season, Desoto County records the most citrus acres at 67,044 acres.

**Orange** acreage is now at 382,393 acres, down 3 percent from the previous season. The Western area continues to come in with the most orange acreage at 123,950. The Central area has the second most with 120,763 acres. The Southern area now has 118,291 acres. The remaining two areas, the Northern area and Indian River area, combined have 19,389 orange acres. Valencia acreage accounts for 59 percent of the total orange acreage, non-Valencia acreage represents 40 percent, and the remaining orange acreage is unidentified.

**Grapefruit** acreage is now at 22,453 acres, down 11 percent from last season. White grapefruit (including seedy) is 17 percent of the total with 3,795 acres, while red grapefruit is 83 percent of the total with 18,606 acres. The Indian River District has 71 percent of the total grapefruit acreage.

**Specialty fruit** acreage, at 14,606 acres is up 15 percent from last season. Tangelos account for 10 percent of the total. Early tangerines (Fallglo and Sunburst), comprise 16 percent, Royal and Honey tangerines combined constitute 18 percent. Other tangerines account for 24 percent of the total specialty fruit acreage. The remaining specialty fruit acreage includes true lemons and other specialty citrus acreage, with a total of 4,568 acres, or 31 percent.

**All Citrus Acreage, by Variety and Survey Year, and Changes Between Surveys – Florida: 1994-2020**

Survey <sup>1</sup> year	Oranges <sup>2</sup>  (acres)	Grapefruit  (acres)	Specialty <sup>2</sup> fruit  (acres)	Total  (acres)	Change		Net change  (acres)
					Gross loss  (acres)	New plantings  (acres)	
1994 .....	653,370	146,915	53,457	853,742	45,214	107,666	+62,452
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 <sup>3</sup> .....	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 <sup>3</sup> .....	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

<sup>1</sup> One year survey beginning in 2009.

<sup>2</sup> Temples in specialty fruit through 2006 survey, then included in oranges through 2016 survey. Reclassified as Royal tangerines in the 2017 survey.

<sup>3</sup> 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 2019-2020

Year set	All citrus	Oranges					Grapefruit		
		Early non-Valencia	Midseason non-Valencia	Valencia	Unidentified	Total	Red Seedless	White Seedless	Seedy
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1976 .....	9,067	2,079	1,085	4,015	-	7,179	1,004	552	42
1976-1985 .....	19,075	8,451	821	6,741	-	16,013	2,833	111	3
1986-1995 .....	125,018	37,567	3,997	70,962	-	112,526	7,274	2,543	32
1996-1998 .....	25,100	6,028	1,009	17,139	-	24,176	375	(D)	(D)
1999-2001 .....	32,356	11,580	1,419	18,561	-	31,560	404	(D)	(D)
2002-2004 .....	27,631	11,318	1,228	13,931	-	26,477	771	(D)	(D)
2005-2007 .....	24,367	10,355	750	12,334	-	23,439	710	31	-
2008-2010 .....	33,052	13,246	1,695	16,203	-	31,144	1,367	83	-
2011-2013 .....	37,278	14,440	1,915	17,548	8	33,911	2,019	25	-
2014-2016 .....	48,803	15,321	1,499	26,968	824	44,612	1,264	62	-
<b>Bearing .....</b>	<b>381,747</b>	<b>130,385</b>	<b>15,418</b>	<b>204,402</b>	<b>832</b>	<b>351,037</b>	<b>18,021</b>	<b>3,625</b>	<b>87</b>
2017 .....	15,738	2,814	441	9,298	850	13,403	246	(D)	-
2018 .....	14,082	2,555	203	6,790	1,724	11,272	143	(D)	-
2019 .....	7,885	1,274	104	3,562	1,741	6,681	196	57	-
<b>Non-bearing .....</b>	<b>37,705</b>	<b>6,643</b>	<b>748</b>	<b>19,650</b>	<b>4,315</b>	<b>31,356</b>	<b>585</b>	<b>83</b>	<b>-</b>
<b>Total .....</b>	<b>419,452</b>	<b>137,028</b>	<b>16,166</b>	<b>224,052</b>	<b>5,147</b>	<b>382,393</b>	<b>18,606</b>	<b>3,708</b>	<b>87</b>

See footnote(s) at end of table.

--continued

### All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2019-2020

Year set	All citrus	Oranges					Grapefruit		
		Early non-Valencia	Midseason non-Valencia	Valencia	Unidentified	Total	Red Seedless	White Seedless	Seedy
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1976 .....	1,057.2	247.0	135.0	499.3	-	881.3	87.8	51.1	3.9
1976-1985 .....	2,345.5	1,044.9	106.1	877.0	-	2,028.0	291.9	11.4	0.3
1986-1995 .....	18,084.1	5,323.2	596.7	10,534.6	-	16,454.5	905.6	303.2	3.4
1996-1998 .....	3,496.0	804.7	141.6	2,420.3	-	3,366.6	49.7	(D)	(D)
1999-2001 .....	4,276.6	1,530.3	197.4	2,455.5	-	4,183.2	43.3	(D)	(D)
2002-2004 .....	3,605.3	1,473.3	167.3	1,829.2	-	3,469.8	90.1	(D)	(D)
2005-2007 .....	3,144.9	1,310.5	100.2	1,612.6	-	3,023.3	88.7	2.8	-
2008-2010 .....	4,547.8	1,831.1	239.5	2,241.0	-	4,311.6	158.0	8.4	-
2011-2013 .....	5,510.8	2,169.6	289.4	2,523.6	1.0	4,983.6	277.3	3.0	-
2014-2016 .....	8,200.8	2,470.5	228.3	4,620.5	124.9	7,444.2	182.7	6.7	-
<b>Bearing .....</b>	<b>54,269.0</b>	<b>18,205.1</b>	<b>2,201.5</b>	<b>29,613.6</b>	<b>125.9</b>	<b>50,146.1</b>	<b>2,175.1</b>	<b>410.3</b>	<b>8.7</b>
2017 .....	2,695.2	435.9	74.6	1,563.1	156.1	2,229.7	38.8	(D)	-
2018 .....	2,327.1	372.6	28.3	1,169.4	311.3	1,881.6	24.6	(D)	-
2019 .....	1,280.1	189.1	18.4	614.3	264.0	1,085.8	35.8	7.7	-
<b>Non-bearing .....</b>	<b>6,302.4</b>	<b>997.6</b>	<b>121.3</b>	<b>3,346.8</b>	<b>731.4</b>	<b>5,197.1</b>	<b>99.2</b>	<b>12.1</b>	<b>-</b>
<b>Total .....</b>	<b>60,571.4</b>	<b>19,202.7</b>	<b>2,322.8</b>	<b>32,960.4</b>	<b>857.3</b>	<b>55,343.2</b>	<b>2,274.3</b>	<b>422.4</b>	<b>8.7</b>

See footnote(s) at end of table.

--continued

### All Citrus Acreage, by Variety and Year Set – Florida: Crop Year 2019-2020 (continued)

Year set	Grapefruit		Tangerines						Tangelos	Other Citrus
	Unidentified	Total	Fallglo <sup>1</sup>	Sunburst	Royal	Honey	Other	Total		
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Pre-1976 .....	-	1,598	-	-	184	35	(D)	229	60	(D)
1976-1985 .....	-	2,947	-	(D)	37	46	(D)	91	24	(D)
1986-1995 .....	-	9,849	345	430	288	802	201	2,066	489	88
1996-1998 .....	-	483	38	(D)	25	218	(D)	314	48	79
1999-2001 .....	-	466	15	15	14	96	16	156	83	91
2002-2004 .....	-	829	3	(D)	38	33	(D)	85	207	33
2005-2007 .....	-	741	22	(D)	15	63	(D)	117	56	14
2008-2010 .....	-	1,450	24	33	5	61	81	204	90	164
2011-2013 .....	-	2,044	134	60	7	180	677	1,058	175	90
2014-2016 .....	-	1,326	545	90	13	361	1,148	2,157	155	553
<b>Bearing</b> .....	-	<b>21,733</b>	<b>1,126</b>	<b>679</b>	<b>626</b>	<b>1,895</b>	<b>2,151</b>	<b>6,477</b>	<b>1,387</b>	<b>1,113</b>
2017 .....	(D)	286	380	20	(D)	30	627	1,068	32	949
2018 .....	(D)	145	72	(D)	(D)	(D)	545	686	52	1,927
2019 .....	36	289	104	(D)	-	(D)	157	308	28	579
<b>Non-bearing</b> .....	<b>52</b>	<b>720</b>	<b>556</b>	<b>43</b>	<b>20</b>	<b>114</b>	<b>1,329</b>	<b>2,062</b>	<b>112</b>	<b>3,455</b>
<b>Total</b> .....	<b>52</b>	<b>22,453</b>	<b>1,682</b>	<b>722</b>	<b>646</b>	<b>2,009</b>	<b>3,480</b>	<b>8,539</b>	<b>1,499</b>	<b>4,568</b>

- Represents zero.

D Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Includes Early Pride tangerines.

### All Citrus Trees, by Variety and Year Set – Florida: Crop Year 2019-2020 (continued)

Year set	Grapefruit		Tangerines						Tangelos	Other Citrus
	Unidentified	Total	Fallglo <sup>1</sup>	Sunburst	Royal	Honey	Other	Total		
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Pre-1976 .....	-	142.8	-	-	20.6	4.7	(D)	26.5	6.3	(D)
1976-1985 .....	-	303.6	-	(D)	3.6	7.0	(D)	11.6	2.3	(D)
1986-1995 .....	-	1,212.2	60.5	73.6	38.7	139.9	30.4	343.1	62.9	11.4
1996-1998 .....	-	61.9	7.1	(D)	2.8	34.5	(D)	50.2	6.4	10.9
1999-2001 .....	-	49.8	2.7	1.9	2.2	11.7	1.9	20.4	11.2	12.0
2002-2004 .....	-	96.2	0.6	(D)	4.4	4.4	(D)	11.0	24.2	4.1
2005-2007 .....	-	91.5	3.1	(D)	2.1	12.4	(D)	20.0	7.7	2.4
2008-2010 .....	-	166.4	3.5	4.3	0.5	9.3	13.5	31.1	10.5	28.2
2011-2013 .....	-	280.3	25.3	9.8	1.0	31.3	136.8	204.2	27.5	15.2
2014-2016 .....	-	189.4	145.8	16.5	2.6	60.4	240.7	466.0	21.1	80.1
<b>Bearing</b> .....	-	<b>2,594.1</b>	<b>248.6</b>	<b>114.4</b>	<b>78.5</b>	<b>315.6</b>	<b>427.0</b>	<b>1,184.1</b>	<b>180.1</b>	<b>164.6</b>
2017 .....	(D)	46.1	105.3	4.1	(D)	5.7	151.0	267.9	3.4	148.1
2018 .....	(D)	25.0	19.0	(D)	(D)	(D)	118.6	146.9	6.8	266.8
2019 .....	6.2	49.7	20.2	(D)	-	(D)	32.6	66.9	4.3	73.4
<b>Non-bearing</b> .....	<b>9.5</b>	<b>120.8</b>	<b>144.5</b>	<b>7.8</b>	<b>3.0</b>	<b>24.2</b>	<b>302.2</b>	<b>481.7</b>	<b>14.5</b>	<b>488.3</b>
<b>Total</b> .....	<b>9.5</b>	<b>2,714.9</b>	<b>393.1</b>	<b>122.2</b>	<b>81.5</b>	<b>339.8</b>	<b>729.2</b>	<b>1,665.8</b>	<b>194.6</b>	<b>652.9</b>

- Represents zero.

D Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Includes Early Pride tangerines.

## All Citrus Acreage and Trees, by County and Year of Inventory – Florida: 2017-2020

County	2017	2018	2019	2020	2017	2018	2019	2020
	(acres)	(acres)	(acres)	(acres)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Brevard.....	890	771	360	374	118.7	106.7	47.6	50.0
Charlotte.....	14,538	14,674	14,448	14,590	2,179.7	2,299.4	2,301.5	2,357.5
Collier.....	29,310	30,752	30,462	30,378	4,330.2	4,550.7	4,509.8	4,514.4
DeSoto.....	67,610	67,604	67,406	67,044	9,188.8	9,308.7	9,427.8	9,472.3
Glades.....	6,073	5,490	5,463	5,601	862.9	783.6	781.5	815.8
Hardee.....	42,813	44,347	43,761	43,492	5,551.9	5,849.5	5,805.6	5,792.2
Hendry.....	64,834	64,226	61,656	59,227	10,057.1	9,985.0	9,653.7	9,278.9
Hernando.....	489	437	352	200	60.4	52.8	44.8	25.8
Highlands.....	54,244	58,829	57,964	57,351	7,258.0	8,514.0	8,536.7	8,553.7
Hillsborough.....	3,653	3,038	2,518	1,835	476.6	401.1	339.9	282.7
Indian River.....	23,761	19,228	15,708	14,990	2,784.9	2,358.0	2,030.7	2,019.3
Lake.....	7,342	6,567	6,083	5,374	1,073.4	966.0	908.7	801.7
Lee.....	10,263	9,369	9,107	6,791	1,397.3	1,276.6	1,236.7	937.9
Manatee.....	15,666	14,658	13,392	13,205	2,029.8	1,960.2	1,859.2	1,837.1
Marion.....	1,043	986	972	841	125.0	123.3	120.7	103.1
Martin.....	2,126	1,995	1,289	1,144	385.0	361.7	244.5	222.7
Okeechobee.....	4,320	3,664	3,597	3,178	565.7	529.4	524.5	475.2
Orange.....	1,300	1,130	992	887	170.0	150.2	135.6	118.5
Osceola.....	8,089	6,925	6,685	6,320	1,023.6	887.5	868.0	822.3
Pasco.....	1,928	1,900	1,276	926	279.2	273.0	175.5	130.8
Polk.....	69,950	67,770	66,969	64,379	8,951.1	8,827.5	8,991.7	8,905.5
St. Lucie.....	22,355	20,562	18,124	19,504	3,057.2	2,842.3	2,570.6	2,825.8
Sarasota.....	1,134	1,047	1,118	1,121	139.4	129.0	138.2	139.5
Seminole.....	319	307	302	215	41.5	40.3	39.9	29.6
Volusia.....	703	570	514	406	81.1	65.6	59.1	47.8
Other Counties <sup>1</sup> .....	220	166	83	79	28.8	21.9	11.9	11.3
<b>Total.....</b>	<b>454,973</b>	<b>447,012</b>	<b>430,601</b>	<b>419,452</b>	<b>62,217.3</b>	<b>62,664.0</b>	<b>61,364.4</b>	<b>60,571.4</b>

<sup>1</sup> Includes Citrus and Putnam in 2019 and 2020; includes Alachua, Citrus and Putnam in 2017 and 2018.

## All Citrus Acreage and Trees, by Variety and Year of Inventory – Florida: 2017-2020

Variety	2017	2018	2019	2020	2017	2018	2019	2020
	(acres)	(acres)	(acres)	(acres)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
<b>Oranges:</b>								
Hamlin.....	134,779	131,027	127,464	122,677	18,271.2	18,020.4	17,661.5	17,195.2
Parson Brown.....	5,783	5,271	4,987	4,682	778.5	720.9	690.1	638.4
Navel.....	7,758	7,482	7,270	6,844	1,057.6	1,043.8	1,026.8	982.0
Ambersweet.....	361	203	140	104	48.9	29.3	20.6	14.7
Other early non-Valencia....	2,862	2,717	2,707	2,721	381.9	364.3	366.7	372.4
Pineapple.....	13,515	12,496	11,495	10,725	1,793.4	1,696.1	1,595.5	1,509.7
Other mid non-Valencia.....	5,898	5,788	5,601	5,441	841.6	840.9	828.9	813.1
<b>Non-Valencia.....</b>	<b>170,956</b>	<b>164,984</b>	<b>159,664</b>	<b>153,194</b>	<b>23,173.1</b>	<b>22,715.7</b>	<b>22,190.1</b>	<b>21,525.5</b>
Valencia.....	225,770	229,863	227,311	224,052	31,468.7	32,933.8	33,045.5	32,960.4
Unidentified.....	9,106	8,610	5,540	5,147	1,380.5	1,371.8	899.0	857.3
<b>Total Oranges.....</b>	<b>405,832</b>	<b>403,457</b>	<b>392,515</b>	<b>382,393</b>	<b>56,022.3</b>	<b>57,021.3</b>	<b>56,134.6</b>	<b>55,343.2</b>
<b>Grapefruit:</b>								
Seedy.....	345	156	146	87	33.7	15.6	14.5	8.7
Red seedless.....	27,360	24,179	20,805	18,606	3,183.1	2,861.1	2,499.1	2,274.3
White seedless.....	7,873	6,181	4,188	3,708	808.4	652.8	467.5	422.4
Unidentified.....	506	407	200	52	91.4	68.4	27.3	9.5
<b>Total Grapefruit.....</b>	<b>36,084</b>	<b>30,923</b>	<b>25,339</b>	<b>22,453</b>	<b>4,116.6</b>	<b>3,597.9</b>	<b>3,008.4</b>	<b>2,714.9</b>
<b>Specialty:</b>								
<b>Tangelos:</b>								
Orlando Tangelos.....	825	628	463	323	119.3	90.4	67.0	45.5
Minneola Tangelos.....	1,296	1,254	1,159	1,176	160.9	158.1	145.5	149.1
Other Tangelos.....	98	(X)	(X)	(X)	15.1	(X)	(X)	(X)
<b>Total Tangelos.....</b>	<b>2,219</b>	<b>1,882</b>	<b>1,622</b>	<b>1,499</b>	<b>295.3</b>	<b>248.5</b>	<b>212.5</b>	<b>194.6</b>
<b>Tangerines:</b>								
Fallglo Tangerines <sup>1</sup> .....	991	911	1,596	1,682	161.5	153.5	368.8	393.1
Sunburst Tangerines.....	2,043	1,519	1,076	722	316.9	239.9	175.6	122.2
Royal Tangerines.....	877	821	769	646	105.4	100.2	96.0	81.5
Honey Tangerines.....	3,973	3,211	2,585	2,009	616.7	495.4	414.3	339.8
Other Tangerines <sup>2</sup> .....	(X)	2,943	2,842	3,480	(X)	615.5	607.1	729.2
<b>Total Tangerines.....</b>	<b>7,884</b>	<b>9,405</b>	<b>8,868</b>	<b>8,539</b>	<b>1,200.5</b>	<b>1,604.5</b>	<b>1,661.8</b>	<b>1,665.8</b>
<b>Total Tangerines and Tangelos.....</b>	<b>10,103</b>	<b>11,287</b>	<b>10,490</b>	<b>10,038</b>	<b>1,495.8</b>	<b>1,853.0</b>	<b>1,874.3</b>	<b>1,860.4</b>
True Lemons.....	125	124	214	108	15.9	15.8	32.3	15.4
Other Citrus <sup>3</sup> .....	2,829	1,221	2,043	4,460	566.7	176.0	314.8	637.5
<b>Total Specialty.....</b>	<b>13,057</b>	<b>12,632</b>	<b>12,747</b>	<b>14,606</b>	<b>2,078.4</b>	<b>2,044.8</b>	<b>2,221.4</b>	<b>2,513.3</b>
<b>Total Citrus.....</b>	<b>454,973</b>	<b>447,012</b>	<b>430,601</b>	<b>419,452</b>	<b>62,217.3</b>	<b>62,664.0</b>	<b>61,364.4</b>	<b>60,571.4</b>

X Not applicable.

<sup>1</sup> Includes Early Pride Tangerines beginning in 2019.

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

<sup>3</sup> Includes Meyer lemons.

## All Citrus Acreage, by Production Area and Year of Inventory – Florida: 2019-2020

Production Area	Oranges		Grapefruit		Specialty		Total	
	2019	2020	2019	2020	2019	2020	2019	2020
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Indian River .....	11,537	11,851	17,738	15,870	3,423	5,590	32,698	33,311
Northern .....	8,818	7,538	451	377	1,202	976	10,471	8,891
Central.....	123,852	120,763	1,989	1,631	3,839	3,831	129,680	126,225
Western.....	124,909	123,950	1,049	868	2,237	1,879	128,195	126,697
Southern.....	123,399	118,291	4,112	3,707	2,046	2,330	129,557	124,328
<b>Total .....</b>	<b>392,515</b>	<b>382,393</b>	<b>25,339</b>	<b>22,453</b>	<b>12,747</b>	<b>14,606</b>	<b>430,601</b>	<b>419,452</b>

### 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, 55.4 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.

