



FLORIDA  
AGRICULTURAL  
STATISTICS SERVICE  
1222 Woodward Street  
Orlando, Florida 32803

# CITRUS



COMMERCIAL CITRUS TREE INVENTORY  
PRELIMINARY REPORT

September 11, 1990

## ALL CITRUS AT 732,767 ACRES

Commercial citrus in Florida, as of January 1990, has increased to 732,767 acres from 697,929 acres reported in 1988. This increase of 5 percent was achieved in spite of the December 1989 freeze. The 1990 census indicates there were 120,696 acres planted in 1988 and 1989. The new plantings, combined with a loss of 85,858 acres, produced a 34,838 net acreage increase for all citrus in the State during the past two years. The increase in acres is attributed to considerable new plantings in the southern and east coast growing areas and continued resetting in existing groves statewide.

Polk County has the most acreage but Hendry and St. Lucie counties each have more trees. Average trees per acre are higher in Hendry County with 141 trees and St. Lucie with 99. Polk County has an average of 91 trees per acre.

## ORANGE ACREAGE INCREASES TO 564,809 ACRES

Acreage of all oranges in the 1990 survey is 564,809, an increase of 5 percent from the 536,737 acres reported in 1988. There is, however, a 15 percent increase in tree numbers because of the higher density in new groves and losses that occurred in older groves with fewer trees per acre.

Hamlin orange acreage continued to increase (up 13 percent) from 151,665 acres in 1988 to 171,518 acres in 1990. Valencia acreage increased 10 percent from 224,868 acres in 1988 to the current reported 246,483 acres. There are now 19,067 acres of Navels, up 4 percent from the previous census.

The 1990 survey total bearing acreage of all oranges is 399,505 acres, up 5 percent from 380,163 acres in 1988. Bearing acreage of citrus is considered to be trees set in 1986 and earlier (3 years and older). For 1988 and earlier censuses, bearing acreage included trees 4 years and older.

## GRAPEFRUIT INCREASES TO 125,300 ACRES

Grapefruit shows a net increase of 5,694 acres in the past two years. White seedless grapefruit at 52,314 acres decreased slightly while colored acreage increased to 57,762 from 51,443 acres in 1988. Seedy grapefruit are continuing to decline. There are 7,300 acres in 1990 compared to 8,903 acres in 1988 and 10,326 acres in 1986.

Bearing acreage of all grapefruit is down 3 percent to 102,959 compared with 105,962 acres two years ago.

## FLORIDA COMMERCIAL CITRUS ACREAGE

Census years	Oranges	Grapefruit	Specialty fruit	Total
1966	673,086	103,224	81,772	858,082
1968	713,400	119,883	97,966	931,249
1970	715,806	124,050	101,615	941,471
1972	659,418	124,142	94,459	878,019
1974	642,431	130,326	91,341	864,098
1976	628,567	137,909	85,893	852,369
1978	616,020	136,342	78,873	831,235
1980	627,174	139,944	78,165	845,283
1982	636,864	139,939	71,053	847,856
1984	573,991	134,680	52,694	761,365
1986	466,252	117,845	40,395	624,492
1988	536,737	119,606	41,586	697,929
1990	564,809	125,300	42,658	732,767

## SPECIALTY ACREAGE UP SLIGHTLY

The specialty citrus types are up in total acreage from 1988 with Sunburst and Honey Tangerines showing the largest increases. Sunburst Tangerine acreage increased 97 percent to 3,565 acres in 1990 from 1,813 acres in 1988. Honey Tangerines increased 12 percent to 5,712 acres from 5,093 acres in 1988. All types of Tangelos show acreage increases except Orlandos which were down slightly.

Temples, Dancy Tangerines, lemons, and limes all continue to show reduced acreages.

## FLORIDA COMMERCIAL CITRUS ACREAGE: CHANGES BETWEEN CENSUSES

Census years	Two year change	Net change	Total	
	Gross loss	New plantings:		
1966	(First census via aerial photography)		858,082	
1968	13,910	87,077	+73,167	931,249
1970	26,114	36,336	+10,222	941,471
1972 1/	82,948	19,496	-63,452	878,019
1974	40,181	26,260	-13,921	864,098
1976	40,518	28,789	-11,729	852,369
1978 1/	49,127	27,993	-21,134	831,235
1980	25,925	39,973	+14,048	845,283
1982 1/	51,942	54,515	+2,573	847,856
1984 1/	159,719	73,228	-86,491	761,365
1986 1/	185,598	48,725	-136,873	624,492
1988	52,240	125,677	+73,437	697,929
1990 1/	85,858	120,696	+34,838	732,767

1/ January freezes in 1971, 1977, 1981, 1982, 1985, and 1986. December freezes in 1983, 1985, and 1989.

ALL FLORIDA CITRUS: 1990 INVENTORY OF COMMERCIAL ACRES BY VARIETY AND YEAR SET

YEAR SET	ALL	ORANGES					:SEEDLESS GRAPEFRUIT:		GFT
	CITRUS	EARLY	MIDSEASON:	LATE	UNIDENT	TOTAL	WHITE	COLORED	SEEDY
ACRES									
PRE-1946	52403	7976	8357	22682	0	39015	5330	2163	4315
1946-55	31817	4203	3800	14900	0	22903	1125	5287	222
1956-65	134745	36837	21268	48502	3	106610	14415	2812	460
1966	21805	4456	2614	4993	0	12063	5915	1496	115
1967	16748	2430	1780	3697	0	7907	5204	1606	356
1968	8637	1183	919	1988	0	4090	1960	1327	79
1969	8507	1682	783	2995	0	5460	1063	1096	111
1970	6591	1479	916	2028	1	4424	834	641	90
1971	5128	580	546	1156	0	2282	1553	993	111
1972	10162	1870	1206	4133	1	7210	988	1473	119
1973	8460	949	678	1341	0	2968	1979	2996	101
1974	9418	1378	1264	2084	0	4726	1911	2399	107
1975	9503	1655	1324	2952	1	5932	1283	1700	139
1976	8115	1893	858	2922	5	5678	444	1291	102
1977	9795	2635	772	2967	1	6375	396	2059	105
1978	9875	2696	837	2946	8	6487	369	2272	70
1979	14734	4294	1306	4889	0	10489	398	2135	46
1980	13312	4308	1055	5166	6	10535	361	1096	60
1981	18996	8805	1434	5511	12	15762	397	2061	54
1982	20475	9389	1251	5897	15	16552	594	2841	52
1983	33394	15166	3007	10391	100	28664	630	2661	132
1984	21759	10079	1132	6755	93	18059	411	2324	22
1985	22061	10318	1418	7443	649	19828	237	788	34
1986	39878	17712	1217	14598	1959	35486	363	2068	91
<b>TOTAL BEARING</b>	<b>536318</b>	<b>153973</b>	<b>59742</b>	<b>182936</b>	<b>2854</b>	<b>399505</b>	<b>48160</b>	<b>47585</b>	<b>7093</b>
1987	75753	27565	3948	26609	7095	65217	1547	4824	115
1988	52979	12598	1973	16623	11222	42416	1107	3835	51
1989	67717	12981	1916	20315	22459	57671	1500	1518	41
<b>NON-BEARING</b>	<b>196449</b>	<b>53144</b>	<b>7837</b>	<b>63547</b>	<b>40776</b>	<b>165304</b>	<b>4154</b>	<b>10177</b>	<b>207</b>
<b>TOTAL</b>	<b>732767</b>	<b>207117</b>	<b>67579</b>	<b>246483</b>	<b>43630</b>	<b>564809</b>	<b>52314</b>	<b>57762</b>	<b>7300</b>

ALL FLORIDA CITRUS: 1990 INVENTORY OF COMMERCIAL ACRES BY VARIETY AND YEAR SET

YEAR SET	GRAPEFRUIT			TANGERINES					OTHER
	UNIDENT	TOTAL	TEMPLES	TANGELOS	SUNBURST	ROBINSON	DANCY	HONEY	CITRUS
	ACRES								
PRE-1946	2	11810	799	143	0	0	609	0	27
1946-55	0	6634	1414	594	0	1	72	77	122
1956-65	0	17687	3249	3769	0	303	429	1709	989
1966	0	7526	700	787	0	97	74	351	207
1967	0	7166	442	729	0	130	56	117	201
1968	0	3366	138	381	0	37	43	143	439
1969	0	2270	99	269	0	81	48	69	211
1970	0	1565	134	215	0	70	56	24	103
1971	0	2657	25	39	0	41	3	14	67
1972	0	2580	74	114	0	45	13	55	71
1973	0	5076	49	51	0	31	17	3	265
1974	0	4417	36	23	0	13	3	2	198
1975	0	3122	30	61	0	13	18	67	260
1976	0	1837	15	62	0	36	39	37	411
1977	1	2561	20	50	0	13	25	52	699
1978	0	2711	42	92	0	14	7	31	491
1979	3	2582	53	56	0	30	29	317	1178
1980	0	1517	53	55	25	20	18	122	967
1981	0	2512	92	133	43	99	16	125	214
1982	0	3487	55	104	96	27	17	64	73
1983	7	3430	134	201	246	50	38	290	341
1984	3	2760	97	238	223	51	32	126	173
1985	12	1071	48	156	117	69	28	239	505
1986	93	2615	227	569	317	106	78	272	208
<b>TOTAL BEARING</b>	<b>121</b>	<b>102959</b>	<b>8025</b>	<b>8891</b>	<b>1067</b>	<b>1377</b>	<b>1768</b>	<b>4306</b>	<b>8420</b>
1987	765	7251	290	818	957	269	90	505	356
1988	2512	7505	175	957	890	89	250	489	208
1989	4526	7585	371	445	651	221	34	412	327
<b>NON-BEARING</b>	<b>7803</b>	<b>22341</b>	<b>836</b>	<b>2220</b>	<b>2498</b>	<b>579</b>	<b>374</b>	<b>1406</b>	<b>891</b>
<b>TOTAL</b>	<b>7924</b>	<b>125300</b>	<b>8861</b>	<b>11111</b>	<b>3565</b>	<b>1956</b>	<b>2142</b>	<b>5712</b>	<b>9311</b>

ALL FLORIDA CITRUS: 1990 INVENTORY OF COMMERCIAL TREES BY VARIETY AND YEAR SET

YEAR SET	ALL	O R A N G E S					:SEEDLESS GRAPEFRUIT:		GFT
	CITRUS	EARLY	MIDSEASON:	LATE	UNIDENT	TOTAL	WHITE	COLORED	
	1,000 TREES								
PRE-1946	3976.2	624.1	644.1	1759.1	0.0	3027.3	373.1	153.8	297.5
1946-55	2466.0	328.7	318.7	1185.5	0.0	1832.9	79.5	350.5	17.0
1956-65	12144.5	3248.9	1997.4	4489.4	0.2	9735.9	1093.1	228.6	38.9
1966	2200.5	459.7	289.1	541.9	0.0	1290.7	530.3	126.4	8.1
1967	1683.7	261.9	194.2	413.9	0.0	870.0	440.9	146.1	31.4
1968	893.3	131.9	104.9	214.8	0.0	451.6	167.2	111.6	6.3
1969	898.6	184.4	92.1	321.5	0.0	598.0	94.7	97.6	9.3
1970	707.1	173.2	104.4	218.7	0.1	496.4	74.8	57.3	7.8
1971	498.9	61.0	64.8	119.7	0.0	245.5	128.5	88.9	9.5
1972	1127.7	219.5	142.5	486.8	0.1	848.9	90.6	133.9	9.7
1973	807.0	93.7	71.1	130.8	0.0	295.6	178.6	261.3	7.5
1974	984.8	149.8	143.9	230.9	0.0	524.6	174.3	234.9	8.9
1975	949.0	165.2	134.6	314.8	0.3	614.9	105.6	156.6	11.0
1976	816.8	182.6	92.9	304.6	0.3	580.4	35.7	117.2	10.1
1977	1011.9	265.2	80.0	294.4	0.1	639.7	35.0	196.9	8.7
1978	994.2	274.3	88.1	300.8	0.5	663.7	32.5	197.5	5.0
1979	1583.1	434.3	152.4	533.3	0.0	1120.0	35.1	198.3	3.8
1980	1499.8	469.7	112.6	578.9	0.4	1161.6	30.1	112.6	4.3
1981	2083.4	970.2	168.3	618.3	1.5	1758.3	36.2	202.5	3.7
1982	2163.5	1009.6	145.2	634.3	1.5	1790.6	51.4	266.1	4.0
1983	3636.4	1659.9	340.5	1139.8	9.5	3149.7	57.5	258.7	12.6
1984	2476.0	1139.0	130.0	786.9	9.7	2065.6	39.7	255.1	1.9
1985	2679.8	1224.8	160.5	947.8	69.4	2402.5	21.2	87.1	2.8
1986	5014.4	2215.0	140.9	1917.0	228.7	4501.6	31.4	232.1	8.6
<b>TOTAL BEARING</b>	<b>53296.6</b>	<b>15946.6</b>	<b>5913.2</b>	<b>18483.9</b>	<b>322.3</b>	<b>40666.0</b>	<b>3937.0</b>	<b>4271.6</b>	<b>528.4</b>
1987	9350.3	3485.4	480.7	3333.2	812.5	8111.8	138.7	564.5	9.6
1988	6804.6	1743.8	244.6	2227.3	1368.5	5584.2	115.2	418.7	4.9
1989	9429.8	1939.3	250.5	2930.3	3131.3	8251.4	147.5	176.1	4.8
<b>NON-BEARING</b>	<b>25584.7</b>	<b>7168.5</b>	<b>975.8</b>	<b>8490.8</b>	<b>5312.3</b>	<b>21947.4</b>	<b>401.4</b>	<b>1159.3</b>	<b>19.3</b>
<b>TOTAL</b>	<b>78881.3</b>	<b>23115.1</b>	<b>6889.0</b>	<b>26974.7</b>	<b>5634.6</b>	<b>62613.4</b>	<b>4338.4</b>	<b>5430.9</b>	<b>547.7</b>

ALL FLORIDA CITRUS: 1990 INVENTORY OF COMMERCIAL TREES BY VARIETY AND YEAR SET

YEAR SET	GRAPEFRUIT			TANGERINES					OTHER
	UNIDENT	TOTAL	TEMPLES	TANGELOS	SUNBURST	ROBINSON	DANCY	HONEY	CITRUS
	1,000 TREES								
PRE-1946	0.3	824.7	62.4	11.5	0.0	0.0	47.0	0.0	3.3
1946-55	0.0	447.0	114.6	42.7	0.0	0.1	6.2	6.6	15.9
1956-65	0.0	1360.6	318.9	335.1	0.0	32.0	35.6	190.9	135.5
1966	0.0	664.8	76.5	85.8	0.0	11.4	6.6	38.2	26.5
1967	0.0	618.4	50.9	78.2	0.0	18.3	6.0	13.2	28.7
1968	0.0	285.1	15.6	37.9	0.0	4.8	3.9	16.4	78.0
1969	0.0	201.6	10.6	29.8	0.0	11.0	5.6	7.6	34.4
1970	0.0	139.9	13.5	24.1	0.0	8.8	6.4	2.4	15.6
1971	0.0	226.9	2.7	4.5	0.0	6.1	0.2	1.3	11.7
1972	0.0	234.2	7.0	13.9	0.0	5.4	1.3	7.4	9.6
1973	0.0	447.4	5.6	5.1	0.0	3.4	1.5	0.4	48.0
1974	0.0	418.1	3.5	2.3	0.0	1.9	0.2	0.2	34.0
1975	0.0	273.2	2.8	6.5	0.0	1.5	1.3	6.4	42.4
1976	0.0	163.0	1.2	5.8	0.0	4.8	3.5	4.4	53.7
1977	0.0	240.6	2.4	6.2	0.0	1.9	2.2	5.0	113.9
1978	0.0	235.0	4.6	10.0	0.0	1.7	0.5	3.2	75.5
1979	0.6	237.8	5.0	5.3	0.0	3.7	2.7	29.4	179.2
1980	0.0	147.0	5.2	4.8	2.5	2.5	1.7	20.0	154.5
1981	0.0	242.4	9.3	14.0	4.6	12.1	1.3	14.6	26.8
1982	0.0	321.5	6.5	10.5	10.6	3.2	1.4	6.4	12.8
1983	0.7	329.5	13.8	23.0	29.0	6.4	3.0	33.6	48.4
1984	0.2	296.9	11.3	26.9	25.9	5.1	3.2	14.2	26.9
1985	0.8	111.9	5.6	20.0	16.2	10.1	2.5	36.0	75.0
1986	8.9	281.0	26.9	69.1	41.9	13.2	9.0	35.0	36.7
<b>TOTAL BEARING</b>	<b>11.5</b>	<b>8748.5</b>	<b>776.4</b>	<b>873.0</b>	<b>130.7</b>	<b>169.4</b>	<b>152.8</b>	<b>492.8</b>	<b>1287.0</b>
1987	74.7	787.5	31.5	113.2	134.7	41.2	7.8	75.8	46.8
1988	277.8	816.6	18.2	128.3	124.3	11.5	32.3	61.8	27.4
1989	512.2	840.6	42.2	59.0	94.3	31.1	3.8	63.3	44.1
<b>NON-BEARING</b>	<b>864.7</b>	<b>2444.7</b>	<b>91.9</b>	<b>300.5</b>	<b>353.3</b>	<b>83.8</b>	<b>43.9</b>	<b>200.9</b>	<b>118.3</b>
<b>TOTAL</b>	<b>876.2</b>	<b>11193.2</b>	<b>868.3</b>	<b>1173.5</b>	<b>484.0</b>	<b>253.2</b>	<b>196.7</b>	<b>693.7</b>	<b>1405.3</b>

**ALL FLORIDA CITRUS: ACREAGE AND TREE NUMBERS IN COMMERCIAL GROVES BY COUNTY, 1984 TO 1990**

COUNTY	ACREAGE IN COMMERCIAL GROVES				TREES IN COMMERCIAL GROVES			
	1984	1986	1988	1990	1984	1986	1988	1990
	ACRES				1,000 TREES			
BREVARD	15,804	11,676	11,641	10,519	1,509.3	1,143.2	1,132.5	1,045.3
BROWARD	1,646	1,276	764	589	124.8	95.8	54.6	40.9
CHARLOTTE	8,220	8,759	9,345	11,718	783.6	852.9	926.5	1,241.4
CITRUS	*	75	191	103	*	5.2	17.1	10.9
COLLIER	8,425	10,063	17,309	23,565	896.3	1,140.3	2,200.2	3,204.1
DADE	6,976	6,976	6,656	6,305 1/	1,120.3	1,120.3	1,060.1	1,000.7 1/
DESOTO	34,786	36,042	43,143	52,584	3,589.9	3,769.2	4,782.4	6,256.7
GLADES	5,141	6,076	6,235	7,523	463.6	572.6	613.7	890.0
HARDEE	43,954	42,751	45,898	51,069	3,687.0	3,730.2	4,269.4	5,066.6
HENDRY	36,807	40,269	54,953	73,754	4,101.1	4,635.6	7,051.9	10,387.9
HERNANDO	*	167	695	598	*	20.5	77.1	73.9
HIGHLANDS	44,030	46,012	48,569	57,048	3,906.6	4,176.6	4,806.0	6,169.6
HILLSBOROUGH	*	23,754	25,507	26,007	*	1,967.8	2,233.2	2,373.4
INDIAN RIVER	63,510	64,302	65,162	66,116	5,507.7	5,648.5	5,850.4	6,224.7
LAKE	*	13,523	26,228	13,960	*	1,241.1	2,749.8	1,665.5
LEE	6,575	7,313	8,247	9,692	700.9	792.4	929.4	1,169.3
MANATEE	14,360	15,688	18,779	20,331	1,201.0	1,360.4	1,773.4	2,056.2
MARION	*	329	1,209	277	*	29.3	129.0	31.6
MARTIN	40,483	41,095	40,921	46,283	4,077.7	4,222.9	4,395.9	5,273.5
OKEECHOBEE	8,044	7,449	8,124	8,541	754.9	701.3	784.0	823.4
ORANGE	*	14,692	17,356	8,399	*	1,164.9	1,532.4	790.1
OSCEOLA	16,133	13,035	14,114	16,101	1,266.9	1,046.2	1,238.4	1,599.7
PALM BEACH	15,382	15,198	14,887	15,545	1,575.6	1,580.5	1,607.9	1,748.3
PASCO	*	3,903	9,371	6,937	*	407.9	1,091.2	862.8
PINELLAS	1,674	394	276	218	133.0	32.7	23.1	17.2
POLK	129,912	106,993	108,546	99,732	9,591.1	8,274.1	9,133.4	9,038.6
PUTNAM	*	14	46	20	*	1.4	5.7	3.0
ST. LUCIE	80,402	82,770	88,893	94,878	7,110.0	7,463.0	8,405.5	9,402.4
SARASOTA	1,619	1,568	1,929	2,127	145.5	143.0	191.0	218.0
SEMINOLE	*	1,194	1,440	1,024	*	92.6	114.7	88.2
SUMTER	*	116	116	6	*	11.8	11.8	0.6
VOLUSIA	*	1,020	1,379	1,198	*	84.6	116.5	106.8
<b>TOTAL</b>	<b>761,365</b>	<b>624,492</b>	<b>697,929</b>	<b>732,767</b>	<b>65,975.5</b>	<b>57,528.8</b>	<b>69,308.2</b>	<b>78,881.3</b>

\*COUNTIES WORKED BY PROBABILITY SAMPLING: 177,482 ACRES, 13,728,700 TREES. 1/ SURVEYED IN NOVEMBER 1988.

**ALL FLORIDA CITRUS: ACREAGE AND TREE NUMBERS IN COMMERCIAL GROVES BY VARIETY 1984 TO 1990**

COUNTY	ACREAGE IN COMMERCIAL GROVES				TREES IN COMMERCIAL GROVES			
	1984	1986	1988	1990	1984	1986	1988	1990
	ACRES				1,000 TREES			
<b>ORANGES:</b>								
HAMLIN	129,928	115,789	151,665	171,518	11,549.3	11,135.6	15,797.4	19,271.2
NAVEL	12,584	13,236	18,295	19,067	1,149.0	1,296.1	1,918.2	2,117.3
OTHER EARLY	26,284	15,198	16,881	16,532	2,073.1	1,316.7	1,625.4	1,726.6
PINEAPPLE	86,616	67,837	65,670	62,997	7,708.2	6,347.5	6,429.1	6,538.6
OTHER MIDS	11,226	6,304	5,590	4,582	792.0	449.9	404.3	350.4
VALENCIA	254,610	207,163	224,868	246,483	21,520.1	18,720.8	22,240.0	26,974.7
UNIDENTIFIED	52,743	40,725	53,768	43,630	5,093.0	4,194.8	6,122.2	5,634.6
<b>SUB-TOTAL</b>	<b>573,991</b>	<b>466,252</b>	<b>536,737</b>	<b>564,809</b>	<b>49,884.7</b>	<b>43,461.4</b>	<b>54,536.6</b>	<b>62,613.4</b>
<b>GRAPEFRUIT:</b>								
SEEDY	15,327	10,326	8,903	7,300	1,015.8	696.8	625.9	547.7
WHITE SEEDLESS	62,013	54,761	53,084	52,314	4,800.6	4,324.2	4,267.0	4,338.4
COLOR. SEEDLESS	48,806	47,004	51,443	57,762	4,002.5	4,015.9	4,567.1	5,430.9
UNIDENTIFIED	8,534	5,754	6,176	7,924	764.0	587.1	621.2	876.2
<b>SUB-TOTAL</b>	<b>134,680</b>	<b>117,845</b>	<b>119,606</b>	<b>125,300</b>	<b>10,582.9</b>	<b>9,624.0</b>	<b>10,081.2</b>	<b>11,193.2</b>
<b>SPECIALTY:</b>								
TEMPLES	13,826	10,251	9,942	8,861	1,215.1	933.2	927.9	868.3
ORLANDO TANGELOS	9,216	6,905	7,734	7,514	843.5	638.4	745.4	772.8
MINNEOLA TANGELOS	2,195	2,058	2,265	2,470	198.0	188.9	218.5	257.1
OTHER TANGELOS	1,265	899	967	1,127	145.4	104.7	115.2	143.6
SUNBURST TANGERINES				3,565				484.0
ROBINSON TANGERINES	3,160	2,278	1,938	1,956	368.0	268.8	232.4	253.2
DANCY TANGERINES	4,957	2,919	2,345	2,142	386.3	238.9	195.7	196.7
HONEY TANGERINES	6,215	4,845	5,093	5,712	663.0	540.2	596.0	693.7
LIMES	7,009	7,238	7,079	6,864 1/	1,118.2	1,141.9	1,110.4	1,069.6 1/
TRUE LEMONS	1,808	1,547	946	844	235.7	214.5	153.0	138.5
MEYER LEMONS	488	167	150	78	77.5	24.2	23.5	14.3
OTHER CITRUS	2,555	1,288	3,127	1,525	257.2	149.7	372.4	182.9
<b>SUB-TOTAL</b>	<b>52,694</b>	<b>40,395</b>	<b>41,586</b>	<b>42,658</b>	<b>5,507.9</b>	<b>4,443.4</b>	<b>4,690.4</b>	<b>5,074.7</b>
<b>TOTAL CITRUS</b>	<b>761,365</b>	<b>624,492</b>	<b>697,929</b>	<b>732,767</b>	<b>65,975.5</b>	<b>57,528.8</b>	<b>69,308.2</b>	<b>78,881.3</b>

1/ DADE LIME ACREAGE SURVEYED NOVEMBER 1988.

**CITRUS ACREAGE IN FLORIDA AS OF JANUARY 1988 AND 1990 BY FRUIT TYPES AND PRODUCTION AREAS**

Areas	Oranges		Grapefruit		Specialty types		Total	
	1988	1990	1988	1990	1988	1990	1988	1990
	Acres							
Indian River Mkt. Dist.	91,346	93,756	78,306	83,092	8,083	7,833	177,735	184,681
Northern	50,620	27,870	2,054	1,136	4,382	2,724	57,056	31,730
Central	141,743	143,576	19,092	17,760	9,730	9,940	170,565	171,276
Western	126,182	141,230	5,240	5,662	4,060	5,459	135,482	152,351
Southern	126,846	158,377	14,914	17,650	15,331	16,702	157,091	192,729
<b>Total</b>	<b>536,737</b>	<b>564,809</b>	<b>119,606</b>	<b>125,300</b>	<b>41,586</b>	<b>42,658</b>	<b>697,929</b>	<b>732,767</b>

**CITRUS CENSUS PROCEDURES**

This Biennial Census, the 13th in a series which began in January 1966, was conducted using current aerial photography. Aerial photos of the 14,000 square miles covering virtually all of Florida's citrus were taken during a four month period beginning the first of November 1989.

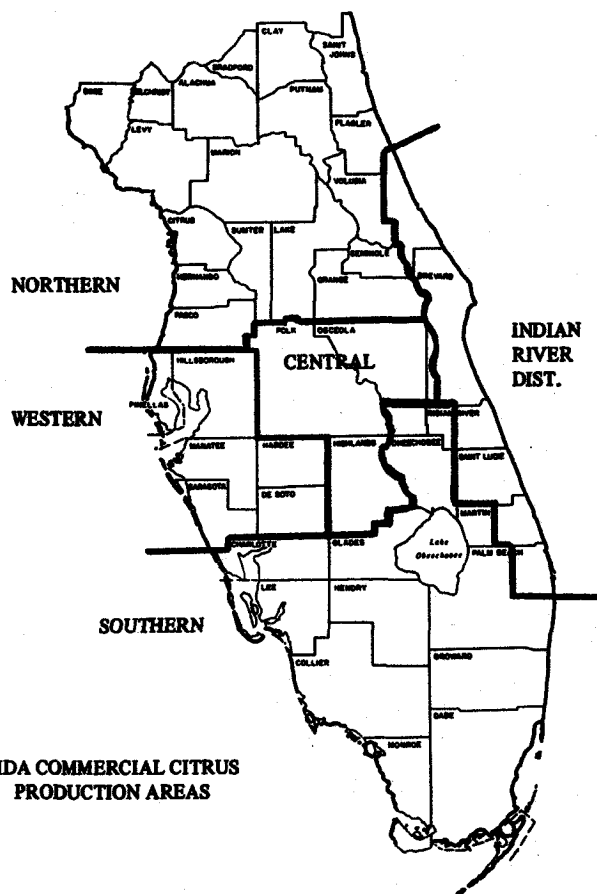
The Census procedure starts with a complete mapping and indexing of all citrus plantings onto scaled photo enlargements from the previous census. Aided by stereoscopic viewing, the current aerial photos are compared with photos from the previous census to detect grove changes, tree removals and new tree plantings. Each change observed by the photo interpreter is followed by a visit and ground check which usually results in a revised tree count for the grove. The ground checks are performed by experienced field personnel. Acreages are measured from photo enlargements with a digital planimeter. Tree numbers are from actual tree counts or expansions from measured acreages. Block sizes are reduced as necessary for excessive counts of dead trees or empty spaces, as well as barnyards, turn rows, swale ditches and irrigation ponds.

The December 1989 freeze caused considerable tree damage and loss in most northern and several central counties. Dieback and mortality have moderated but additional losses will occur. Ground surveying was delayed until midsummer in an effort to capture as much of this loss as possible.

Field personnel visited each grove in the damaged areas. Any tree with green foliage in the limb scaffold was considered alive unless the total block, for lack of care, was considered abandoned.

In blocks with viable trees, a sample was taken by age group and variety. A percentage of live trees remaining was assigned to the block. These tree numbers along with 1988 and 1989 resets are the basis for the current tree inventory in freeze affected counties.

Much of the credit for completing the field work for the 1990 Census goes to the Division of Plant Industry, which assisted with eight trained citrus technologists and four wheel drive vehicles.



**FLORIDA COMMERCIAL CITRUS PRODUCTION AREAS**

**PRODUCTION AREAS OUTLINED**

Production areas were redesigned in 1986 to give greater efficiency for objective forecasting purposes. The principal change was to place all the northern cold prone regions in a single area. The Indian River Marketing District was set apart, as was the southern flatwoods plantings. This stratification is providing greater homogeneity within each sampling stratum. Current tree census statistics by production area are directly comparable with 1986 and 1988 census data. However, the establishment of newly defined areas resulted in a loss of comparative data for earlier years.

This publication was produced at an annual cost of \$533.75 or 13 cents per copy to inform citrus growers and others of trends in Florida citrus production. M90T2