



**FLORIDA CROP AND  
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1222 Woodward Street  
Orlando, Florida 32803

# FLORIDA AGRICULTURE



## CITRUS

FILE COPY

COMMERCIAL CITRUS TREE INVENTORY  
PRELIMINARY REPORT

September 11 1986

### ALL CITRUS CONTINUES DECLINE TO 624,492 ACRES

The State's Biennial Commercial Citrus Census shows 624,492 acres of citrus as of January 1986. This is a decrease of 18 percent from the 761,365 acres reported in the 1984 Census. Most of this reduction results from the series of severe freezes which occurred during the 1980's. Some growers and caretakers continue to remove acreage that was not successfully rejuvenated following the killing freezes.

A gross reduction of 185,598 acres occurred during the past two years from groves that were counted as of 1984. This huge loss has been somewhat offset by the 48,725 acres of new trees planted during 1984 and 1985. The result is a net loss of 136,873 acres in the past two years.

### ORANGES DOWN TO 466,252 ACRES

All oranges as of 1986 amounted to 466,252 acres, a decrease of almost 19 percent from the 573,991 acres reported in 1984.

Hamlin orange acreage declined by 14,139 acres or 11 percent, while Navels showed a 652 acre increase—the only acreage gain for oranges. Valencias showed the largest loss at 47,447 acres, down 18.6 percent since 1984. New settings of oranges in 1984 and 1985 totaled 42,876 acres.

The current bearing acreage for all oranges is 367,581 acres compared with 474,269 in 1984. The 106,688 bearing acreage loss in the past two years is the largest decrease in bearing acreage in recent years.

### GRAPEFRUIT ACREAGE DECLINES

The 1986 acreage of grapefruit at 117,845 acres is 12.5 percent less than the 134,680 acres reported in 1984. This is the largest decrease in grapefruit acreage since the beginning of this biennial series. The bearing grapefruit acreage is now 105,134 compared with 119,630 acres in 1984. Most of the acreage reduction occurred in the State's interior region as the result of tree killing freezes. The 1984 and 1985 plantings at 4,859 acres are down considerably from the previous two-year period when new plantings were 10,141 acres according to the 1984 Commercial Citrus Inventory. Seedy (Duncan) grapefruit is down to 10,326 total acres which is the lowest acreage for this type in recent history. In the last two years white seedless grapefruit lost 7,252 acres and colored grapefruit decreased by 1,802 acres.

Currently there are 5,723 acres of non-bearing colored seedless grapefruit and 1,353 acres of non-bearing white seedless. Of the remaining 5,635 acres of non-bearing grapefruit 5,598 acres were unidentified. Based on the current varietal breakdown of non-bearing grapefruit, three quarters of this unidentified grapefruit is probably colored.

### 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

### SPECIALTY ACREAGE CONTINUES TO DECLINE

The acreage of specialty citrus has fallen sharply in the past two years. In 1986, there were 40,395 acres of specialty types compared with only 52,694 acres in 1984. In 1980, there were 15,678 acres of Robinson and Dancy tangerines from which only 5,197 acres remain. Temples dropped 3,575 acres since the 1984 Census. Minneola tangelos lost only 137 acres in the past two years. Most of the Minneolas are planted on the lower East and West Coasts and generally have not been hard hit by the recent killing freezes. Lime acreage showed a slight increase in the southern counties, excluding Dade County which is the major producing area and has not been updated since 1984.

### FLORIDA COMMERCIAL CITRUS ACREAGE: CHANGES BETWEEN CENSUSES

Census years	Two year change	Net change	Total
1966	(First census via aerial photography)		858,082
1968	13,910	+73,167	931,249
1970	26,114	+10,222	941,471
1972 1/	82,948	-63,452	878,019
1974	40,181	-13,921	864,098
1976	40,518	-11,729	852,369
1978 1/	49,371	-21,134	831,235
1980	25,925	+14,048	845,283
1982 1/	51,942	+2,573	847,856
1984 1/	159,719	-86,491	761,365
1986 1/	185,598	-136,873	624,492

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

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ALL FLORIDA CITRUS 1986 INVENTORY OF COMMERCIAL ACRES VARIETY AND YEAR SET

YEAR SET	ALL	O R A N G E S					:SEEDLESS GRAPEFRUIT:	
	CITRUS	EARLY	MIDSEASON	LATE	UNIDENT	TOTAL	WHITE	COLORED
ACRES								
PRF-1942	74065	10349	11356	33031	17	54753	7903	1950
1942-51	34850	4874	3789	15840	1	24504	1344	5954
1952-61	81153	18546	12758	37602	0	68906	4551	2726
1962	22738	7198	3936	9196	0	20330	726	174
1963	21280	5655	4575	7593	0	17823	1573	99
1964	27654	7502	4790	9607	0	21899	2778	374
1965	37001	8822	5212	9545	3	23582	6733	1811
1966	26366	5426	3931	6140	0	15497	6417	1578
1967	21751	3208	2623	5541	0	11372	5700	1748
1968	10389	1407	1081	2463	0	4951	2229	1434
1969	9931	1950	901	3633	4	6488	1175	1139
1970	7532	1595	1160	2277	0	5032	961	670
1971	6005	632	791	1327	0	2750	1761	1073
1972	11077	1990	1340	4402	0	7732	1197	1519
1973	9483	1137	845	1584	2	3568	2137	3015
1974	10985	1682	1446	2510	0	5638	2165	2500
1975	10914	1863	1565	3410	1	6839	1418	1872
1976	9520	2237	946	3444	2	6629	515	1391
1977	11090	2840	885	3521	35	7281	452	2312
1978	11036	2878	1147	3402	48	7475	405	2323
1979	17082	4906	1576	5625	229	12336	446	2277
1980	15712	5080	1147	6051	475	12753	355	1162
1981	23097	9615	1553	6458	1817	19443	467	2180
<b>TOTAL BEARING</b>	<b>510711</b>	<b>111392</b>	<b>69353</b>	<b>184202</b>	<b>2634</b>	<b>367581</b>	<b>53408</b>	<b>41281</b>
1982	23903	10308	1262	6526	1722	19818	613	2790
1983	41153	10627	1744	7838	15768	35977	347	1876
1984	24992	5476	908	4378	9825	20587	317	799
1985	23733	6420	874	4219	10776	22289	76	258
<b>NON-BEARING</b>	<b>113781</b>	<b>32831</b>	<b>4788</b>	<b>22961</b>	<b>38091</b>	<b>98671</b>	<b>1353</b>	<b>5723</b>
<b>TOTAL</b>	<b>624492</b>	<b>144223</b>	<b>74141</b>	<b>207163</b>	<b>40725</b>	<b>466252</b>	<b>54761</b>	<b>47004</b>

ALL FLORIDA CITRUS: 1986 INVENTORY OF COMMERCIAL ACRES BY VARIETY AND YEAR SET

YEAR SET	GRAPEFRUIT			TEMPLES	TANGELOS	TANGERINE	HONEY TANG.	OTHER CITRUS
	SEEDY	UNIDENT	TOTAL					
ACRES								
PRE-1942	7130	0	16983	980	114	1213	0	22
1942-51	443	0	7741	1898	538	80	4	85
1952-61	269	0	7546	1672	1450	334	761	484
1962	66	0	966	282	505	102	364	189
1963	28	0	1700	385	614	193	313	252
1964	30	0	3182	776	889	192	292	424
1965	210	0	8754	1627	1641	430	553	414
1966	135	0	8130	830	872	239	394	404
1967	452	0	7900	530	1013	328	196	412
1968	105	0	3768	153	447	133	193	744
1969	135	0	2449	134	267	242	82	269
1970	117	0	1748	143	275	196	28	110
1971	81	0	2915	24	57	149	14	96
1972	154	0	2870	99	124	121	61	70
1973	125	0	5277	70	66	91	16	395
1974	126	0	4791	57	24	25	4	446
1975	196	0	3486	42	87	39	70	351
1976	126	0	2032	20	90	87	33	629
1977	134	0	2898	20	74	50	44	723
1978	67	1	2796	64	94	36	40	531
1979	57	11	2791	59	75	97	402	1322
1980	48	27	1592	63	46	73	144	1041
1981	55	117	2819	109	163	177	172	214
<b>TOTAL BEARING</b>	<b>10289</b>	<b>156</b>	<b>105134</b>	<b>10037</b>	<b>9525</b>	<b>4627</b>	<b>4180</b>	<b>9627</b>
1982	24	151	3578	66	75	158	100	108
1983	13	2038	4274	61	87	194	326	234
1984	0	2880	3996	73	88	88	70	90
1985	0	529	863	14	87	130	169	181
<b>NON-BEARING</b>	<b>37</b>	<b>5598</b>	<b>12711</b>	<b>214</b>	<b>337</b>	<b>570</b>	<b>665</b>	<b>613</b>
<b>TOTAL</b>	<b>10326</b>	<b>5754</b>	<b>117845</b>	<b>10251</b>	<b>9862</b>	<b>5197</b>	<b>4845</b>	<b>10240</b>

ALL FLORIDA CITRUS: 1986 INVENTORY OF COMMERCIAL TREES BY VARIETY AND YEAR SET

YEAR SET	ALL CITRUS	ORANGES					SEEDLESS GRAPEFRUIT	
		EARLY	MIDSEASON	LATE	UNIDENT	TOTAL	WHITE	COLORED
1,000 TREES								
PRE-1942	5182.7	763.8	816.1	2321.9	1.1	3902.9	521.3	132.7
1942-51	2476.4	354.4	286.6	1125.9	0.0	1766.9	92.6	386.9
1952-61	6401.3	1435.0	1039.2	3019.1	0.0	5493.3	304.8	180.7
1962	1911.3	583.4	330.5	797.5	0.0	1701.4	50.0	11.5
1963	1828.7	475.8	394.8	665.2	0.0	1535.8	108.6	8.0
1964	2580.4	695.9	448.7	919.1	0.0	2063.7	213.7	29.8
1965	3524.3	821.1	544.1	948.5	0.3	2314.0	551.5	149.5
1966	2607.2	549.5	409.4	645.9	0.0	1604.8	555.8	131.5
1967	2186.4	349.3	280.8	592.3	0.0	1222.4	479.2	156.0
1968	1071.6	155.0	120.5	253.6	0.0	529.1	186.0	116.4
1969	1032.6	209.0	102.6	377.1	0.5	689.2	102.0	100.3
1970	783.9	186.8	123.2	238.5	0.0	548.5	80.3	59.6
1971	565.1	62.4	85.5	129.9	0.0	277.8	141.5	94.4
1972	1202.2	228.6	153.1	509.6	0.0	891.3	103.0	137.7
1973	886.8	109.6	84.5	147.0	0.3	341.4	189.0	262.8
1974	1089.5	164.9	149.4	252.8	0.0	567.1	190.7	244.4
1975	1043.5	178.0	152.3	334.9	0.1	665.3	114.7	170.5
1976	904.1	205.6	91.4	323.1	0.1	620.2	39.9	124.2
1977	1079.5	268.6	85.4	321.3	3.2	678.5	37.6	216.3
1978	1075.1	283.8	116.3	325.1	4.4	729.6	34.5	199.9
1979	1754.4	475.3	164.1	578.3	20.8	1238.5	37.7	211.1
1980	1653.1	512.5	115.4	626.3	44.8	1299.0	27.9	117.6
1981	2390.2	1021.4	165.1	674.4	166.4	2027.3	41.1	215.8
<b>TOTAL BEARING</b>	<b>45230.3</b>	<b>10089.7</b>	<b>6259.0</b>	<b>16117.3</b>	<b>242.0</b>	<b>32708.0</b>	<b>4203.4</b>	<b>3457.6</b>
1982	2449.5	1078.6	144.2	674.4	167.8	2065.0	50.3	260.5
1983	4279.6	1173.7	201.1	857.0	1542.6	3774.4	31.6	177.1
1984	2767.7	632.4	101.3	505.3	1043.8	2282.8	30.8	91.7
1985	2801.7	774.0	91.8	566.8	1198.6	2631.2	8.1	29.0
<b>NON-BEARING</b>	<b>12298.5</b>	<b>3658.7</b>	<b>538.4</b>	<b>2603.5</b>	<b>3952.8</b>	<b>10753.4</b>	<b>120.8</b>	<b>558.3</b>
<b>TOTAL</b>	<b>57528.8</b>	<b>13748.4</b>	<b>6797.4</b>	<b>18720.8</b>	<b>4194.8</b>	<b>43461.4</b>	<b>4324.2</b>	<b>4015.9</b>

ALL FLORIDA CITRUS: 1986 INVENTORY OF COMMERCIAL TREES BY VARIETY AND YEAR SET

YEAR	GRAPEFRUIT			TEMPLES	TANGELOS	TANGERINE	HONEY	OTHER
SET	SEEDY	UNIDENT	TOTAL				TANG.	CITRUS
1,000 TREES								
PRE-1942	451.9	0.0	1105.9	74.4	9.3	87.5	0.0	2.7
1942-51	30.5	0.0	510.0	146.0	37.7	5.7	0.4	9.7
1952-61	19.6	0.0	505.1	128.4	108.2	25.6	78.0	62.7
1962	5.5	0.0	67.0	25.1	41.1	9.4	42.9	24.4
1963	2.2	0.0	118.8	34.6	53.6	17.5	31.9	36.5
1964	2.2	0.0	245.7	74.3	79.0	17.7	37.3	62.7
1965	16.9	0.0	717.9	175.6	158.5	41.9	59.5	56.9
1966	10.1	0.0	697.4	87.6	92.9	24.9	45.9	53.7
1967	39.6	0.0	674.8	59.1	109.7	41.6	22.1	56.7
1968	7.9	0.0	310.3	17.4	45.8	15.2	21.3	132.5
1969	11.1	0.0	213.4	13.6	30.6	30.8	10.6	44.4
1970	8.5	0.0	148.4	14.3	31.5	21.7	2.9	16.6
1971	5.7	0.0	241.6	2.4	6.8	17.2	1.2	18.1
1972	11.2	0.0	251.9	9.1	14.7	17.1	8.0	10.1
1973	9.0	0.0	460.8	8.1	7.2	10.0	1.7	57.6
1974	10.4	0.0	445.5	5.2	2.7	3.0	0.4	65.6
1975	14.2	0.0	299.4	3.7	9.3	3.6	6.6	55.6
1976	11.3	0.0	175.4	1.6	8.3	8.5	4.0	86.1
1977	10.9	0.0	264.8	1.4	8.4	4.9	4.3	117.2
1978	4.7	0.1	239.2	6.2	10.4	3.5	4.0	82.2
1979	4.0	0.9	253.7	5.6	7.0	9.6	37.4	202.6
1980	3.3	2.1	150.9	6.1	3.6	8.4	19.8	165.3
1981	3.5	9.4	269.8	10.1	17.3	19.4	18.4	27.9
<b>TOTAL BEARING</b>	<b>694.2</b>	<b>12.5</b>	<b>8367.7</b>	<b>909.9</b>	<b>893.6</b>	<b>444.7</b>	<b>458.6</b>	<b>1447.8</b>
1982	1.6	13.8	326.2	7.0	7.6	17.2	9.2	17.3
1983	1.0	190.4	400.1	6.2	9.0	20.6	37.7	31.6
1984	0.0	318.0	440.5	8.9	10.6	10.0	6.9	8.0
1985	0.0	52.4	89.5	1.2	11.2	15.2	27.8	25.6
<b>NON-BEARING</b>	<b>2.6</b>	<b>574.6</b>	<b>1256.3</b>	<b>23.3</b>	<b>38.4</b>	<b>63.0</b>	<b>81.6</b>	<b>82.5</b>
<b>TOTAL</b>	<b>696.8</b>	<b>587.1</b>	<b>9624.0</b>	<b>933.2</b>	<b>932.0</b>	<b>507.7</b>	<b>540.2</b>	<b>1530.3</b>

**ALL FLORIDA CITRUS: Acreage and tree numbers in commercial groves by county, 1980 to 1986**

County	Acreage in commercial groves				Trees in commercial groves			
	1980	1982	1984	1986	1980	1982	1984	1986
	Acres				1,000 trees			
Brevard	17,006	15,827	15,804	11,676	1,612.7	1,519.9	1,509.3	1,143.2
Broward	2,147	1,770	1,646	1,276	160.3	124.5	124.8	95.8
Charlotte	6,122	6,120	8,220	8,759	590.0	580.8	783.6	852.9
Citrus	1,260	1,256	*	75	87.2	85.8	*	5.2
Collier	6,706	7,931	8,425	10,063	718.0	847.2	896.3	1,140.3
Dade	6,142	7,158	6,976	6,976	990.6	1,134.0	1,120.3	1,120.3
DeSoto	36,157	34,212	34,786	36,042	3,722.3	3,463.0	3,589.9	3,769.2
Glades	3,395	4,026	5,141	6,076	304.2	358.2	463.6	572.6
Hardee	45,161	43,568	43,954	42,751	3,530.4	3,477.2	3,687.0	3,730.2
Hendry	30,086	32,944	36,807	40,269	3,340.2	3,672.0	4,101.1	4,635.6
Hernando	6,765	6,471	*	167	549.3	520.6	*	20.5
Highlands	37,767	37,661	44,030	46,012	3,063.1	3,131.1	3,906.6	4,176.6
Hillsborough	37,976	37,631	*	23,754	3,140.1	3,118.9	*	1,967.8
Indian River	58,262	62,703	63,510	64,302	4,916.1	5,451.2	5,507.7	5,648.5
Lake	122,777	117,730	*	13,523	9,473.0	9,026.3	*	1,241.1
Lee	5,451	6,711	6,575	7,313	595.4	729.1	700.9	792.4
Manatee	14,802	14,071	14,360	15,688	1,197.1	1,151.1	1,201.0	1,360.4
Marion	11,484	11,396	*	329	905.1	888.4	*	29.3
Martin	40,768	40,646	40,483	41,095	3,940.0	3,977.9	4,077.7	4,222.9
Okeechobee	4,281	6,954	8,044	7,449	379.9	640.9	754.9	701.3
Orange	50,673	48,547	*	14,692	3,830.3	3,678.1	*	1,164.9
Osceola	16,457	17,959	16,133	13,035	1,218.3	1,405.3	1,266.9	1,046.2
Palm Beach	16,797	15,664	15,382	15,198	1,765.8	1,648.7	1,575.6	1,580.5
Pasco	33,314	33,425	*	3,903	2,567.7	2,566.6	*	407.9
Pinellas	2,579	2,417	1,674	394	211.3	196.7	133.0	32.7
Polk	132,124	133,545	129,912	106,993	9,439.1	9,663.3	9,591.1	8,274.1
Putnam	2,631	2,464	*	14	218.0	203.0	*	1.4
St. Lucie	75,140	76,863	80,402	82,770	6,534.8	6,728.9	7,110.0	7,463.0
Sarasota	1,538	1,570	1,619	1,568	141.2	143.4	145.5	143.0
Seminole	7,202	6,823	*	1,194	548.1	522.3	*	92.6
Sumter	1,772	1,593	*	116	146.7	134.0	*	11.8
Volusia	10,143	9,810	*	1,020	783.8	749.5	*	84.6
Other Counties <sup>1/</sup>	398	390	*	0	32.3	32.0	*	0.0
<b>Total</b>	<b>845,283</b>	<b>847,856</b>	<b>761,365</b>	<b>624,492</b>	<b>70,652.4</b>	<b>71,569.9</b>	<b>65,975.5</b>	<b>57,528.8</b>

\*Counties worked by probability sampling: 177,482 acres, 13,728.700 trees.

1/ Includes Alachua, Flagler and St. Johns.

**ALL FLORIDA CITRUS: Acreage and tree numbers in commercial groves by variety, 1980 to 1986**

Fruit types	Acreage in commercial groves				Trees in commercial groves			
	1980	1982	1984	1986	1980	1982	1984	1986
	Acres				1,000 trees			
<b>ORANGES:</b>								
Hamlin	138,188	141,622	129,928	115,789	11,609.8	12,050.8	11,549.3	11,135.6
Navel	11,487	12,603	12,584	13,236	984.9	1,095.2	1,149.0	1,296.1
Other Early	33,861	32,936	26,284	15,198	2,581.4	2,518.2	2,073.1	1,316.7
Pineapple	111,215	105,467	86,616	67,837	9,542.4	9,118.7	7,708.2	6,347.5
Other Mids	16,156	15,072	11,226	6,304	1,139.3	1,065.4	792.0	449.9
Valencia	287,884	283,782	254,610	207,163	23,584.6	23,393.8	21,520.1	18,720.8
Unidentified	28,383	45,382	52,743	40,725	2,535.4	4,262.3	5,093.0	4,194.8
Sub-total	627,174	636,864	573,991	466,252	51,977.8	53,504.4	49,884.7	43,461.4
<b>GRAPEFRUIT:</b>								
Seedy	20,321	19,423	15,327	10,326	1,363.4	1,299.5	1,015.8	696.8
White Seedless	67,973	66,682	62,013	54,761	5,261.6	5,158.2	4,800.6	4,324.2
Colored Seedless	44,163	46,608	48,806	47,004	3,488.4	3,736.2	4,002.5	4,015.9
Unidentified	7,487	7,226	8,534	5,754	655.3	639.3	764.0	587.1
Sub-total	139,944	139,939	134,680	117,845	10,768.7	10,833.2	10,582.9	9,624.0
<b>SPECIALTY</b>								
Temples	18,470	17,102	13,826	10,251	1,585.1	1,469.6	1,215.1	933.2
Orlando Tangelos	13,519	12,677	9,216	6,905	1,237.0	1,151.8	843.5	638.4
Minneola Tangelos	2,167	2,267	2,195	2,058	188.6	200.5	198.0	188.9
Other Tangelos	1,957	1,565	1,265	899	223.9	177.8	145.4	104.7
Dancy Tangerines	10,126	8,690	4,957	2,919	772.7	666.8	386.3	238.9
Robinson Tangerines	5,552	4,754	3,160	2,278	650.2	548.7	368.0	268.8
Honey Tangerines	8,569	8,108	6,215	4,845	900.0	853.4	663.0	540.2
Limes	6,539	7,491	7,009	7,238 <sup>1/</sup>	1,059.3	1,194.2	1,118.2	1,141.9 <sup>1/</sup>
True Lemons	4,141	2,106	1,808	1,547	483.1	267.9	235.7	214.5
Meyer Lemons	1,355	1,194	488	167	230.9	201.4	77.5	24.2
Other Citrus	5,770	5,099	2,555	1,288	575.1	500.2	257.2	149.7
Sub-total	78,165	71,053	52,694	40,395	7,905.9	7,232.3	5,507.9	4,443.4
<b>Total Citrus</b>	<b>845,283</b>	<b>847,856</b>	<b>761,365</b>	<b>624,492</b>	<b>70,652.4</b>	<b>71,569.9</b>	<b>65,975.5</b>	<b>57,528.8</b>

1/ Dade lime acreage not surveyed since 1984.

CITRUS CENSUS PROCEDURES

This Biennial Census, the eleventh in a series which began in January 1966, was conducted as in previous years using current aerial photography. Aerial photos of the 14,000 square miles covering virtually all of Florida's citrus were taken during a 90 day period starting the first of November 1985.

The Census procedure relies on a complete mapping and indexing of all citrus plantings onto scaled photo enlargements from the previous Census. The current aerial photos are interpreted by stereoscopic comparison with photos from the previous Census to detect grove changes, tree removals and new tree plantings. Each change observed by the photo interpreters is followed by a visit and ground checking the grove usually results in a new tree count. The ground checks are accomplished by experienced field personnel. Acreage blocks are measured from photo enlargements with a polar planimeter. Tree numbers are from actual tree counts or expansions from measured acreages. Blocks are reduced as necessary for counts made of excessive 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 for plantings no longer existing are removed. In most previous censuses over two thirds of these plantings were unchanged from the census two years earlier, and these records were brought forward and entered into the current census tabulations. Thus, usually fewer than one third of the plantings or blocks have required in grove visits. Since 1984, however, more than half of all the variety blocks in the citrus belt have been visited for changes or corrections.

Much of the credit for the success of this field work goes to the Division of Plant Industry, which supplied nine trained citrus technologists with four wheel drive vehicles.

FREEZE DAMAGE TREE LOSSES

In most freeze damaged groves, individual tree counts were made. Any tree with green foliage in the limb scaffold was considered alive unless the total planting could be considered abandoned for lack of care. In blocks where trees are continuing to die back, counts will be reevaluated in the next census in 1988.

NEW PRODUCTION AREAS OUTLINED

For the first time since the objective survey work was started, the areas have been redesigned to give greater efficiency in sampling, through reduced variances. The principal change was to place all the northern cold prone regions in a single area. The Indian River Marketing District is set apart, as is the southern flatwoods plantings. It is anticipated that this stratification will establish greater homogeneity within each sampling stratum. The one concern when changes are introduced is the loss in comparative data until new bases can be established.

CITRUS ACREAGE IN FLORIDA AS OF JANUARY 1986  
BY FRUIT TYPES AND PRODUCTION AREAS

Areas	: Oranges	: Grapefruit	: Specialty types	: Total
Indian River Mkt. Dist.	87,000	77,166	8,347	172,513
Northern	29,935	1,287	2,953	34,175
Central	135,472	20,449	9,650	165,571
Western	111,149	4,930	4,118	120,197
Southern	102,696	14,013	15,327	132,036
<b>Total</b>	<b>466,252</b>	<b>117,845</b>	<b>40,395</b>	<b>624,492</b>

