



TOTAL CITRUS ACREAGE INCREASES

Citrus acreage in Florida increased for the first time since 1970. There were 844,865 acres of commercial citrus in Florida as of January 1, 1980, according to the Florida Crop and Livestock Reporting Service. These results from the latest tree census survey show a net increase of 1.6 percent from 831,235 acres reported for the previous census on January 1, 1978. Much of this increase in acreage is due to the intensive expansion of existing groves; to borders, resets and intersets planted in groves that have continued to suffer tree losses from normal attrition, young tree decline and effects of the 1977 freeze. Also, some younger groves that had previously been classed as abandoned have been reworked and are now productive.

Largest acreage increases occurred in St. Lucie, Martin, Desoto, Indian River, Glades, Hardee and Collier counties. The five counties that lost the most acreage were Polk, Broward, Pinellas, Orange and Lake in that order.

ORANGE ACREAGE INCREASES

The acreage of round oranges on January 1, 1980 totaled 626,992 which is 1.8 percent higher than the January 1978 total of 616,020 acres. New trees set during 1978 and 1979 totaled 29,935 acres, but were partially offset by the loss of 16,305 acres for a resulting net increase of 13,630 acres.

The bearing acreage of all oranges as of January 1, 1980 was 576,457 compared with 578,968 acres on January 1, 1978. For the first time since the 1970 freeze it appears that bearing acreage has stabilized from its previous steady decline.

The combined early and midseason oranges show a slight gain in acres to 310,765 as of January 1, 1980 from 307,576 acres as of January 1, 1978. This acreage gain reflects an increased setting of Hamlin oranges. Total late oranges had a slight decrease in acreage due to continued loss of older trees from young tree decline. Setting of early and mid orange trees during 1978 and 1979 totaled more than the number of Valencia trees set in the same period.

GRAPEFRUIT ACREAGE UP

The January 1, 1980 tree census shows total grapefruit acreage at 139,873, up 2.6 percent from January 1, 1978. This is the largest acreage ever for Florida grapefruit. White seedless grapefruit had a slight reduction in older acreage, however, pink seed-

less shows a net gain of better than 4,000 acres. Seedy grapefruit at 20,298 acres continues to decline from the 21,495 acres reported as of January 1, 1978.

Bearing acreage of all grapefruit increased 5.0 percent from 120,310 acres as of January 1, 1978 to 126,329 January 1, 1980. Setting of grapefruit since the 1977 freeze has been more active in the pink and red seedless varieties than the white types.

SPECIALTY CITRUS

The decline of specialty citrus acreage continued, with tangerine acreage decreasing the most, followed by Temples and then tangelos. Honey tangerines leveled off. Lime acreage again shows an impressive increase in acreage, primarily in the Homestead area. As of January 1, 1978, limes totaled 4,807 acres compared to 6,534 acres as of January 1, 1980.

EIGHTH BIENNIAL CENSUS

This is the eighth biennial census of commercial citrus acreage since the January 1, 1966 inception of this system which is based on aerial photography. Approximately 14,000 square miles were photographed under contract by a commercial aerial photographer during the period of November 1979 to early February 1980. Photo interpretation was done in Orlando by the Florida Crop and Livestock Reporting Service. By comparison with the previous photography, all new plantings and changes in grove status were detected, then investigated by on-the-ground surveying. The ground survey work started in January and was completed in early August. Most of this work was done by inspectors from the Division of Plant Industry.

Photo enlargements made to precise scale were used as a map with every citrus block outlined and indexed on the enlargement. Block acreages were measured from the enlargement with a polar planimeter. Tree numbers for most blocks, except where actual tree counts were made, were calculated from a combination of planimetered acreage and from row and tree spacing measured on the ground in each block. Each block acreage was adjusted as necessary for counts made of dead trees or empty spaces.

Results of this tree census form the basis for the October 10 and later citrus crop forecasts—first, as a population for selecting a probability sample of trees for the limb count, and secondly, in providing the number of bearing trees which, with the limb count survey, indicates the total number of fruit.

FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

ALL FLORIDA CITRUS: Inventory of commercial acreage by variety
and year set, as of January 1980

Year set	All citrus	Oranges					Grapefruit		
		Early	Midseason	Late	Unidentified	Total	Seedy	Seedless	
								White	Pink
		Acres							
Pre-1936	135,436	21,815	24,928	52,620	1	99,364	14,276	14,141	1,250
1936-1945	63,591	17,307	9,855	23,384	3	50,549	1,061	3,584	4,528
1946-1955	109,551	16,727	14,390	53,112	3	84,232	653	2,390	11,831
1956	9,554	2,430	1,437	4,767	--	8,634	14	108	86
1957	8,248	2,059	1,370	4,271	--	7,700	15	100	76
1958	22,103	6,346	4,028	8,790	--	19,164	40	959	327
1959	14,223	4,344	2,333	5,688	--	12,365	28	715	88
1960	36,814	11,470	7,552	13,129	2	32,153	146	1,366	216
1961	29,109	9,265	4,835	11,656	--	25,756	63	1,401	59
1962	37,767	12,744	6,735	13,717	3	33,199	117	897	193
1963	35,654	10,380	7,375	11,973	8	29,736	76	1,707	142
1964	41,940	12,295	7,184	13,337	1	32,817	74	2,934	388
1965	58,891	16,144	8,493	15,298	--	39,935	274	7,573	1,955
1966	36,928	8,073	5,778	8,487	--	22,338	452	6,900	1,846
1967	29,909	4,607	3,680	8,679	2	16,968	681	6,132	1,850
1968	14,785	2,173	1,765	3,683	--	7,621	252	2,574	1,503
1969	14,927	2,958	1,895	5,138	--	9,991	191	1,429	1,202
1970	11,607	2,561	2,198	3,126	6	7,891	228	1,180	737
1971	8,556	1,018	1,205	1,940	1	4,164	138	2,077	1,188
1972	14,442	2,721	1,880	5,142	9	9,752	325	1,677	1,733
1973	12,352	1,743	1,191	2,042	19	4,995	265	2,489	3,295
1974	14,093	2,410	1,941	3,104	33	7,488	277	2,699	2,799
1975	14,907	2,899	1,948	4,397	401	9,645	277	1,755	2,159
Total Bearing	775,387	174,489	123,996	277,480	492	576,457	19,923	66,787	39,451
1976	14,108	3,250	1,341	4,341	1,025	9,957	206	666	1,661
1977	15,414	1,842	417	2,128	6,256	10,643	103	142	1,562
1978	15,442	1,293	592	1,353	7,689	10,927	25	152	990
1979	24,514	2,581	964	2,551	12,912	19,008	41	204	475
Non-Bearing	69,478	8,966	3,314	10,373	27,882	50,535	375	1,164	4,688
Total	844,865	183,455	127,310	287,853	28,374	626,992	20,298	67,951	44,139

**ALL FLORIDA CITRUS: Inventory of commercial acreage by variety
and year set, as of January 1980**

Year set	Grapefruit		Temples	Tangelos	Tangerines	Honey Tangerines	Limes	Lemons	Other citrus
	Unidentified	Total							
					Acres				
Pre-1936	--	29,667	1,098	127	4,593	--	--	20	567
1936-1945	--	9,173	2,871	323	378	7	33	11	246
1946-1955	--	14,874	5,376	1,963	897	947	329	344	589
1956	--	208	180	246	49	128	30	38	41
1957	--	191	86	69	99	53	23	--	27
1958	--	1,326	484	337	214	335	87	37	119
1959	28	859	212	223	146	281	39	24	74
1960	--	1,728	628	707	379	866	113	13	227
1961	--	1,523	289	590	201	606	52	3	89
1962	--	1,207	510	835	413	866	120	338	279
1963	--	1,925	664	1,164	863	782	168	110	242
1964	--	3,396	1,007	1,423	748	564	300	1,177	508
1965	3	9,805	2,062	3,267	1,525	1,022	263	248	764
1966	--	9,198	1,033	1,758	901	671	256	375	398
1967	--	8,663	597	1,709	771	367	258	174	402
1968	--	4,329	199	802	489	261	306	582	196
1969	--	2,822	173	618	725	141	316	7	134
1970	14	2,159	259	446	627	38	91	--	96
1971	40	3,443	57	107	359	66	89	247	24
1972	--	3,735	128	254	332	76	64	60	41
1973	16	6,065	97	205	294	20	145	461	70
1974	5	5,780	124	39	102	11	226	248	75
1975	62	4,253	72	87	126	96	256	268	104
Total Bearing	168	126,329	18,206	17,299	15,231	8,204	3,564	4,785	5,312
1976	219	2,752	68	154	201	50	433	313	180
1977	1,813	3,620	37	60	94	45	721	166	28
1978	2,352	3,519	70	51	51	23	656	120	25
1979	2,933	3,653	68	98	102	237	1,160	108	80
Non-Bearing	7,317	13,544	243	363	448	355	2,970	707	313
Total	7,485	139,873	18,449	17,662	15,679	8,559	6,534	5,492	5,625

**ALL FLORIDA CITRUS: Inventory of commerical trees by variety
and year set, as of January 1980**

Year set	All citrus	Oranges					Grapefruit		
		Early	Midseason	Late	Unidentified	Total	Seedy	Seedless	
								White	Pink
					1,000 Trees				
Pre-1936	9,337.9	1,574.3	1,764.7	3,607.5	0.2	6,946.7	907.6	929.0	85.1
1936-1945	4,613.0	1,266.2	726.7	1,699.2	0.3	3,692.4	72.0	246.1	298.8
1946-1955	7,930.0	1,192.1	1,050.4	3,857.7	0.2	6,100.4	45.2	156.4	761.5
1956	743.8	180.3	112.8	373.7	--	666.8	0.9	7.8	6.1
1957	605.4	148.3	101.2	314.1	--	563.6	1.1	6.6	4.7
1958	1,713.4	488.4	311.4	678.4	--	1,478.2	3.2	65.6	24.0
1959	1,096.7	331.0	186.3	434.1	--	951.4	1.9	46.9	5.8
1960	2,962.6	886.4	623.7	1,077.0	0.2	2,587.3	9.4	92.3	15.1
1961	2,398.9	754.3	398.0	971.5	--	2,123.8	5.7	93.2	4.9
1962	3,158.9	1,031.2	547.3	1,147.2	0.2	2,725.9	8.9	62.3	13.0
1963	3,044.7	853.5	624.4	1,038.4	0.5	2,516.8	5.3	120.3	11.0
1964	3,822.2	1,082.1	648.8	1,231.4	0.1	2,962.4	5.2	230.6	30.4
1965	5,491.1	1,428.2	827.4	1,482.7	--	3,738.3	21.3	631.5	161.6
1966	3,603.5	781.3	581.2	859.1	--	2,221.6	35.2	595.6	155.4
1967	3,032.4	482.5	387.9	916.5	0.1	1,787.0	59.8	521.2	167.9
1968	1,509.6	219.6	191.5	377.4	--	788.5	20.0	217.9	124.4
1969	1,591.2	317.1	213.6	542.7	--	1,073.4	14.7	124.9	107.5
1970	1,246.6	288.3	244.9	333.9	0.5	867.6	17.4	100.6	64.1
1971	821.8	96.6	129.3	192.4	0.1	418.4	9.6	167.7	104.6
1972	1,555.6	301.8	208.0	599.5	0.8	1,110.1	27.0	148.4	158.2
1973	1,141.7	157.5	114.0	179.6	1.1	452.2	19.1	217.5	291.6
1974	1,381.2	223.3	194.3	303.4	2.5	723.5	23.9	245.9	276.7
1975	1,348.5	257.7	179.6	398.2	36.0	871.5	19.4	142.9	194.3
Total Bearing	64,150.7	14,342.0	10,367.4	22,615.6	42.8	47,367.8	1,333.8	5,171.2	3,066.7
1976	1,264.7	281.5	117.3	385.9	89.3	874.0	16.6	50.9	142.6
1977	1,436.1	175.2	37.8	200.0	535.9	948.9	8.8	11.3	144.6
1978	1,423.3	123.9	59.5	129.6	668.2	981.2	1.4	10.2	87.2
1979	2,379.2	254.4	99.3	254.6	1,199.1	1,807.4	3.0	17.8	47.3
Non-Bearing	6,503.3	835.0	313.9	970.1	2,492.5	4,611.5	29.8	90.2	421.7
Total	70,654.0	15,177.0	10,681.3	23,585.7	2,535.3	51,979.3	1,363.6	5,261.4	3,488.4

**ALL FLORIDA CITRUS: Inventory of commercial trees by variety
and year set, as of January 1980**

Year set	Grapefruit		Temple	Tangelos	Tangerines	Honey Tangerines	Limes	Lemons	Other citrus
	Unidentified	Total							
	1,000 trees								
Pre-1936	--	1,921.7	82.0	10.2	328.2	--	--	2.1	47.0
1936-1945	--	616.9	222.6	25.0	27.9	1.0	4.3	1.0	21.9
1946-1955	--	963.1	413.0	146.4	64.3	91.0	41.4	63.5	46.9
1956	--	14.8	14.8	17.7	3.8	11.5	3.5	7.3	3.6
1957	--	12.4	6.9	5.2	6.7	5.6	3.0	--	2.0
1958	--	92.8	35.2	27.9	16.7	33.8	13.5	4.8	10.5
1959	3.0	57.6	15.8	16.6	11.1	29.9	3.9	4.6	5.8
1960	--	116.8	44.8	58.6	30.7	88.6	14.6	1.4	19.8
1961	--	103.8	24.6	46.4	19.0	63.7	8.7	0.7	8.2
1962	--	84.2	47.5	73.0	36.0	93.7	16.0	55.7	26.9
1963	--	136.6	60.5	101.5	79.3	76.0	31.9	17.1	25.0
1964	--	266.2	93.9	126.7	67.5	65.3	52.5	138.3	49.4
1965	0.2	814.6	216.3	315.3	141.8	107.1	44.5	35.9	77.3
1966	--	786.2	108.9	188.3	90.5	75.6	39.5	50.1	42.8
1967	--	748.9	67.0	182.5	95.6	42.1	46.2	16.1	47.0
1968	--	362.3	21.9	82.4	51.6	28.5	59.0	90.6	24.8
1969	--	247.1	17.4	69.7	87.4	17.9	64.1	0.6	13.6
1970	2.0	184.1	28.0	52.8	83.1	4.0	15.5	--	11.5
1971	2.7	284.6	5.6	13.0	48.1	6.8	17.3	25.2	2.8
1972	--	333.6	11.9	30.5	39.4	9.7	9.6	6.6	4.2
1973	1.2	529.4	10.0	21.2	31.9	2.3	25.2	58.9	10.6
1974	0.3	546.8	11.5	3.6	10.2	0.9	36.7	37.3	10.7
1975	4.8	361.4	5.9	8.3	11.8	9.1	41.4	25.8	13.3
Total Bearing	14.2	9,585.9	1,566.0	1,622.8	1,382.6	864.1	592.3	643.6	525.6
1976	17.4	227.5	4.9	13.8	19.7	5.8	65.9	28.8	24.3
1977	162.3	327.0	2.8	5.6	7.7	4.2	119.3	17.6	3.0
1978	209.7	308.5	6.2	4.3	4.1	2.3	101.9	12.1	2.7
1979	251.4	319.5	5.5	8.8	11.4	23.5	179.9	12.0	11.2
Non-Bearing	640.8	1,182.5	19.4	32.5	42.9	35.8	467.0	70.5	41.2
Total	655.0	10,768.4	1,585.4	1,655.3	1,425.5	899.9	1,059.3	714.1	566.8

**ALL FLORIDA CITRUS: Acreage and tree numbers in commercial groves
by county, as of January, 1974-1980**

County	Acres in commercial groves				Trees in commercial groves			
	1974	1976	1978	1980	1974	1976	1978	1980
	Acres				1,000 trees			
Alachua	174	155	109	108	15.4	13.8	8.8	9.0
Brevard	18,274	18,158	17,039	16,991	1,771.1	1,751.2	1,643.3	1,610.1
Broward	3,999	3,317	3,199	2,142	303.4	248.0	238.6	160.0
Charlotte	6,549	6,408	6,100	6,117	627.7	621.0	595.6	590.2
Citrus	1,447	1,379	1,280	1,250	104.4	96.6	88.8	87.8
Collier	5,474	5,396	5,975	6,702	599.9	584.8	649.8	719.0
Dade	4,340	4,536	4,587	6,139	717.4	750.4	754.1	990.7
DeSoto	35,783	34,963	33,882	36,141	3,653.8	3,552.0	3,476.1	3,722.2
Flagler	182	192	192	175	14.9	16.1	16.0	14.2
Glades	1,661	1,615	1,613	3,395	157.2	153.2	152.8	304.2
Hardee	44,964	44,812	44,084	45,141	3,384.4	3,401.5	3,387.0	3,531.1
Hendry	24,225	25,944	28,903	30,073	2,691.5	2,884.5	3,214.1	3,340.6
Hernando	6,804	6,717	6,554	6,759	553.9	546.6	528.6	548.5
Highlands	37,996	37,375	37,105	37,756	3,004.7	2,965.4	2,982.0	3,064.2
Hillsborough	40,397	39,750	38,163	37,963	3,285.6	3,252.8	3,141.0	3,140.0
Indian River	52,261	56,206	56,200	58,239	4,266.6	4,666.8	4,701.7	4,916.2
Lake	129,570	126,016	123,246	122,749	10,084.5	9,794.2	9,570.5	9,473.4
Lee	7,397	6,243	5,384	5,441	772.3	667.1	584.9	595.2
Manatee	15,430	15,221	14,730	14,779	1,268.8	1,248.8	1,201.8	1,196.6
Marion	11,223	11,327	11,272	11,458	884.1	890.0	887.3	904.5
Martin	40,473	40,264	38,361	40,770	3,886.9	3,895.7	3,707.7	3,941.5
Okeechobee	4,087	4,162	4,171	4,315	364.2	370.8	370.0	383.7
Orange	56,320	54,007	51,174	50,651	4,262.1	4,087.6	3,872.0	3,831.1
Osceola	17,115	16,922	16,231	16,441	1,259.4	1,243.2	1,201.3	1,218.4
Palm Beach	16,694	16,030	16,343	16,791	1,783.5	1,712.5	1,727.4	1,765.9
Pasco	35,940	34,286	33,367	33,301	2,772.1	2,649.2	2,583.1	2,568.4
Pinellas	3,937	3,770	3,205	2,570	322.8	307.1	262.8	211.7
Polk	141,475	137,693	134,261	132,108	10,078.0	9,748.1	9,567.1	9,440.1
Putnam	3,329	3,041	2,692	2,627	277.4	253.0	223.3	217.9
St. Johns	125	127	125	113	10.6	10.8	10.7	9.8
St. Lucie	73,036	73,912	70,462	75,123	6,296.7	6,402.9	6,121.0	6,535.0
Sarasota	1,449	1,661	1,604	1,530	134.2	151.2	146.3	141.4
Seminole	9,120	8,276	7,635	7,193	699.9	634.7	584.6	548.1
Sumter	1,677	1,760	1,760	1,769	142.4	148.1	145.7	147.3
Volusia	11,171	10,728	10,227	10,045	857.3	827.3	791.0	776.0
TOTAL	864,098	852,369	831,235	844,865	71,309.1	70,547.0	69,136.8	70,654.0

**ALL FLORIDA CITRUS: Acreage and tree numbers in commercial groves
by county, as of January, 1974-1980**

Variety	Acres in commercial groves				Trees in commercial groves			
	1974	1976	1978	1980	1974	1976	1978	1980
	Acres				1,000 trees			
ORANGES								
Hamlin	137,134	134,981	133,118	138,155	11,428.9	11,301.3	11,176.3	11,608.4
Navel	11,041	10,865	10,826	11,465	933.4	917.6	920.6	985.6
Other Early	36,391	35,554	34,202	33,835	2,765.3	2,707.5	2,607.2	2,583.0
Pineapple	122,160	118,790	112,355	111,173	10,356.1	10,131.3	9,622.5	9,543.3
Other Midseason	19,769	18,642	17,075	16,137	1,397.9	1,316.2	1,208.6	1,138.0
Valencia	307,268	298,236	288,389	287,853	24,862.3	24,237.9	23,620.6	23,585.7
Unidentified	8,668	11,499	20,055	28,374	777.8	983.5	1,687.4	2,535.3
Total	642,431	628,567	616,020	626,992	52,521.7	51,595.3	50,843.2	51,979.3
GRAPEFRUIT								
Seedy	23,918	23,296	21,495	20,298	1,586.5	1,551.4	1,439.6	1,363.6
White Seedless	65,617	69,305	68,119	67,951	4,997.6	5,318.8	5,268.9	5,261.4
Pink Seedless	34,811	38,639	39,961	44,139	2,547.8	2,939.9	3,116.9	3,488.4
Unidentified	5,980	6,669	6,767	7,485	515.3	588.0	587.1	655.0
Total	130,326	137,909	136,342	139,873	9,647.2	10,398.1	10,412.5	10,768.4
SPECIALTY								
Temples	22,587	20,978	19,129	18,449	1,964.6	1,809.1	1,645.5	1,585.4
Tangelos	19,760	19,011	18,149	17,662	1,889.7	1,807.9	1,713.3	1,655.3
Tangerines	20,588	18,641	16,909	15,679	1,859.6	1,669.8	1,523.8	1,425.5
Honey Tangerines	9,404	8,855	8,536	8,559	997.7	938.1	902.4	899.9
Satsumas	1,415	1,167	1,075	980	131.6	106.8	96.2	87.5
Limes	4,624	4,752	4,807	6,534	745.2	778.5	790.9	1,059.3
True Lemons	6,743	6,170	4,420	4,140	784.2	712.2	530.2	483.3
Meyer Lemons	1,595	1,594	1,427	1,352	263.1	262.5	241.2	230.8
Other Citrus	4,625	4,725	4,421	4,645	504.5	468.7	437.6	479.3
Total	91,341	85,893	78,873	78,000	9,140.2	8,553.6	7,881.1	7,906.3
ALL CITRUS	864,098	852,369	831,235	844,865	71,309.1	70,547.0	69,136.8	70,654.0

