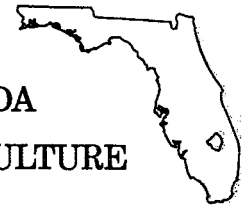




Florida Agricultural Statistics Service
1222 Woodward Street
Orlando, Florida 32803
407 / 648-6013

<http://www.nass.usda.gov/fl>



FLORIDA
AGRICULTURE

CITRUS

FILE COPY

COMMERCIAL CITRUS TREE INVENTORY GRAPEFRUIT REPORT

August 31, 1999

GRAPEFRUIT ACREAGE DECLINES

The Florida Agricultural Statistics Service conducted a special grapefruit tree and acreage survey during early 1999. All commercial grapefruit groves were visited to determine if they were still commercial or abandoned. Some groves have skips or vacancies while others have resets where dead trees have been removed. There were even a few new grapefruit groves planted, however most of the new trees found were planted in the older blocks as resets.

In spite of the fact that it has been only one year or less since most of these groves were visited during the 1998 tree census survey, there are now 11,559 fewer acres of all types of grapefruit for a total of 121,258 acres. Gross acreage losses by type are: white, 6,026; colored, 4,831; seedy, 812; and unidentified, 1,304. White grapefruit had a net loss of 5,481 acres, colored declined 4,294 acres, while the seedy declined 804 acres. The unidentified grapefruit, mostly young trees, declined 980 acres.

Losses are due to many reasons: groves being abandoned due to economic reasons, unhealthy groves being pushed and replanted, or sick and diseased trees being removed from healthy productive groves and not reset. The change in the unidentified type is due primarily to identification and reclassification.

St. Lucie County lost the most acreage at 4,036 while Indian River County lost 2,005 acres. Hendry County was next losing 1,175 acres. Polk County lost 975 acres while Martin County was fifth in losses at 887 acres. Virtually all counties with more than a few groves lost acreage. There were no acreage or tree increases in any county.

Florida Commercial Grapefruit Acreage

Census	Total Grapefruit	White Seedless	Colored Seedless	Seedy	Unidentified
1988	119,606	53,084	51,443	8,903	6,176
1990	125,300	52,314	57,762	7,300	7,924
1992	135,166	54,108	70,151	5,187	5,720
1994	146,915	56,320	80,422	4,879	5,294
1996	144,416	55,802	81,348	4,458	2,808
1998	132,817	51,641	76,025	3,427	1,724
1999	121,258	46,160	71,731	2,623	744

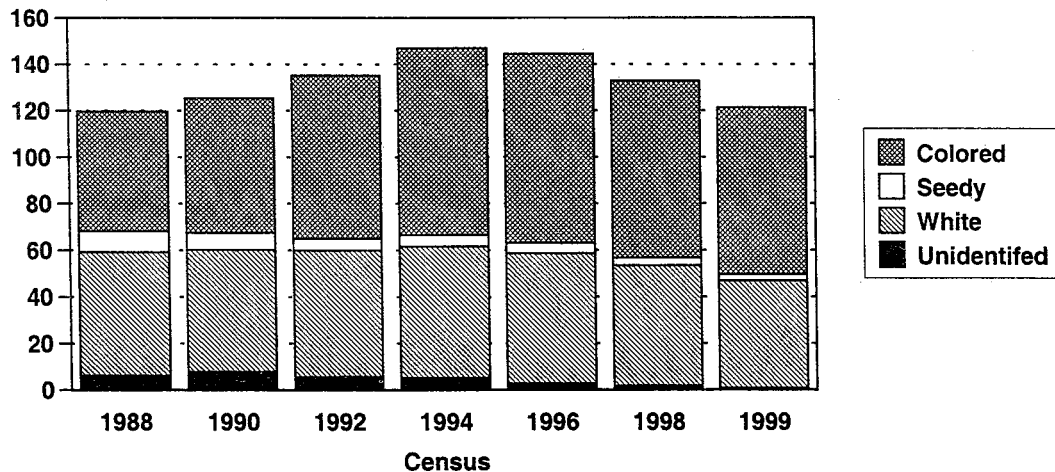
Florida Commercial Grapefruit Acreage Changes Between Censuses

Census	Changes		Net change	Total
	Gross loss	New plantings		
1988	7,733	9,494	1,761	119,606
1990 ^{1/}	9,396	15,090	5,694	125,300
1992	9,664	19,530	9,866	135,166
1994	5,372	17,121	11,749	146,915
1996	7,620	5,121	-2,499	144,416
1998	14,355	2,756	-11,599	132,817
1999	12,973	1,414	-11,559	121,258

^{1/} December freeze in 1989.

Grapefruit Acreage by Census and Variety

Thousand acres



1999 Florida Commercial Citrus Inventory
Grapefruit, number of acres, by variety and year set

Year Set	All Grapefruit		Seedy		White Seedless		Colored Seedless		Unidentified	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	Acres									
Pre-1955	6,291	4,625	1,251	874	2,020	1,464	3,020	2,287	0	0
1955-64	7,110	5,941	168	134	5,952	4,984	990	823	0	0
1965-74	31,520	27,223	728	455	18,643	15,619	12,149	11,149	0	0
1975	2,149	1,826	104	96	815	714	1,230	1,016	0	0
1976	1,314	1,200	26	21	300	268	988	911	0	0
1977	2,044	1,909	75	74	288	254	1,681	1,581	0	0
1978	2,036	1,856	42	37	268	217	1,726	1,602	0	0
1979	2,045	1,917	29	34	251	207	1,765	1,676	0	0
1980	1,026	895	24	19	260	189	742	687	0	0
1981	2,040	1,820	38	31	300	254	1,702	1,535	0	0
1982	2,469	2,334	31	27	290	255	2,148	2,052	0	0
1983	2,668	2,418	92	84	370	280	2,206	2,054	0	0
1984	2,375	2,286	6	3	322	304	2,047	1,979	0	0
1985	879	815	15	13	182	161	682	641	0	0
1986	2,275	2,107	57	51	268	230	1,950	1,826	0	0
1987	5,483	4,927	135	124	1,015	860	4,333	3,943	0	0
1988	6,297	5,804	79	73	1,344	1,138	4,874	4,593	0	0
1989	9,667	9,175	107	100	3,902	3,678	5,658	5,397	0	0
1990	9,148	8,490	129	118	4,071	3,755	4,947	4,617	1	0
1991	10,378	9,597	67	49	2,835	2,419	7,476	7,129	0	0
1992	10,026	9,374	104	90	2,961	2,696	6,942	6,588	19	0
1993	5,787	5,197	61	53	1,781	1,556	3,926	3,578	19	10
1994	2,812	2,533	20	18	1,171	1,038	1,557	1,477	64	0
1995	—	2,330	—	18	—	1,413	—	889	—	10
Bearing	127,839	116,599	3,388	2,596	49,609	43,953	74,739	70,030	103	20
1995	2,222	—	17	—	1,349	—	785	—	71	—
1996	1,539	1,850	12	8	406	1,079	317	706	804	57
1997	1,217	1,395	10	11	277	583	184	458	746	343
1998	—	1,414	—	8	—	545	—	537	—	324
Non-bearing	4,978	4,659	39	27	2,032	2,207	1,286	1,701	1,621	724
Total	132,817	121,258	3,427	2,623	51,641	46,160	76,025	71,731	1,724	744

1999 Florida Commercial Citrus Inventory
Grapefruit, number of trees, by variety and year set

Year Set	All Grapefruit		Seedy		White Seedless		Colored Seedless		Unidentified	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	1,000 trees									
Pre-1955	495.2	363.5	99.1	68.6	167.1	120.7	229.0	174.2	0.0	0.0
1955-64	550.3	465.6	15.2	12.3	456.3	387.6	78.8	65.7	0.0	0.0
1965-74	2,920.9	2,530.6	62.8	40.9	1,707.3	1,432.0	1,150.8	1,057.7	0.0	0.0
1975	207.1	179.3	8.8	8.1	78.7	70.7	119.6	100.5	0.0	0.0
1976	122.9	112.7	2.1	1.8	27.1	23.7	93.7	87.2	0.0	0.0
1977	205.0	192.6	7.2	7.0	29.7	26.4	168.1	159.2	0.0	0.0
1978	200.0	182.5	3.7	3.1	27.6	22.6	168.7	156.8	0.0	0.0
1979	194.3	182.3	2.6	3.2	25.6	21.6	166.1	157.5	0.0	0.0
1980	105.9	93.2	2.2	1.8	25.3	20.3	78.4	71.1	0.0	0.0
1981	204.3	183.7	3.2	2.5	29.8	26.0	171.3	155.2	0.0	0.0
1982	237.3	225.0	2.8	2.4	27.3	23.5	207.2	199.1	0.0	0.0
1983	271.8	248.0	10.0	9.4	36.6	27.7	225.2	210.9	0.0	0.0
1984	262.9	252.1	0.7	0.4	30.3	28.2	231.9	223.5	0.0	0.0
1985	98.5	91.9	1.4	1.3	17.8	16.1	79.3	74.5	0.0	0.0
1986	252.4	232.7	5.9	5.3	26.8	23.5	219.7	203.9	0.0	0.0
1987	614.4	554.7	13.6	12.5	99.8	86.8	501.0	455.4	0.0	0.0
1988	708.0	655.1	7.8	7.4	149.3	127.5	550.9	520.2	0.0	0.0
1989	1,135.6	1,081.3	10.7	10.0	444.7	420.5	680.2	650.8	0.0	0.0
1990	1,080.2	1,006.6	12.1	11.3	465.5	432.7	602.5	562.6	0.1	0.0
1991	1,250.2	1,162.3	6.0	4.4	309.6	267.2	934.6	890.7	0.0	0.0
1992	1,230.2	1,148.6	10.6	9.4	345.3	318.1	870.0	821.1	4.3	0.0
1993	754.0	680.2	5.4	4.6	211.7	187.5	535.0	487.1	1.9	1.0
1994	368.2	324.6	1.8	1.7	143.7	122.3	215.5	200.6	7.2	0.0
1995	—	282.3	—	1.6	—	163.7	—	115.9	—	1.1
Bearing	13,469.6	12,431.4	295.7	231.0	4,882.9	4,396.9	8,277.5	7,801.4	13.5	2.1
1995	274.4	—	1.5	—	159.8	—	105.1	—	8.0	—
1996	187.6	222.3	1.1	0.6	48.2	124.4	44.6	89.6	93.7	7.7
1997	147.5	165.1	0.9	1.1	36.4	68.3	26.2	57.8	84.0	37.9
1998	—	142.4	—	0.8	—	52.6	—	57.8	—	31.2
Non-bearing	609.5	529.8	3.5	2.5	244.4	245.3	175.9	205.2	185.7	76.8
Total	14,079.1	12,961.2	299.2	233.5	5,127.3	4,642.2	8,453.4	8,006.6	199.2	78.9

1999 Florida Commercial Citrus Inventory
Grapefruit, number of acres, by county

County	All Grapefruit		Seedy		White Seedless		Colored Seedless		Unidentified	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	Acres									
Brevard	1,786	1,599	26	20	480	448	1,276	1,127	4	4
Broward	12	10	1	1	1	1	10	8	0	0
Charolette	3,134	3,090	15	13	223	188	2,880	2,869	16	20
Citrus	27	27	0	0	0	0	27	27	0	0
Collier	3,178	2,976	1	0	724	686	2,452	2,290	1	0
Desoto	1,690	1,530	373	348	652	575	647	597	18	10
Glades	377	366	0	0	21	20	356	346	0	0
Hardee	885	773	125	108	237	204	519	460	4	1
Hendry	8,962	7,787	98	79	2,783	2,190	6,063	5,513	18	5
Hernando	15	13	0	0	1	1	14	12	0	0
Highlands	3,731	2,861	641	523	1,830	1,261	1,226	1,076	34	1
Hillsborough	831	731	166	126	194	172	466	433	5	0
Indian River	34,254	32,249	35	35	15,578	14,914	18,025	17,203	616	97
Lake	1,177	1,120	46	44	134	94	979	964	18	18
Lee	1,182	1,093	24	16	254	248	904	829	0	0
Manatee	1,514	1,348	479	397	439	410	596	541	0	0
Marion	36	36	0	0	5	5	31	31	0	0
Martin	5,213	4,326	1	0	3,512	3,162	1,436	1,150	264	14
Okeechobee	1,475	1,306	0	0	786	654	689	652	0	0
Orange	249	216	33	26	31	31	185	159	0	0
Osceola	1,489	1,434	16	16	783	726	679	678	11	14
Palm Beach	2,151	2,019	0	0	917	822	1,234	1,197	0	0
Pasco	249	229	18	6	60	65	171	157	0	1
Pinellas	40	5	18	2	6	1	16	2	0	0
Polk	7,717	6,742	1,144	829	3,108	2,559	3,428	3,332	37	22
Putnam	5	5	0	0	0	0	5	5	0	0
St. Lucie	50,789	46,753	155	27	18,707	16,558	31,249	29,632	678	536
Sarasota	439	410	7	5	111	102	321	302	0	1
Seminole	30	30	0	0	0	0	30	30	0	0
Volusia	180	174	5	2	64	63	111	109	0	0
Total	132,817	121,258	3,427	2,623	51,641	46,160	76,025	71,731	1,724	744

1999 Florida Commercial Citrus Inventory
Grapefruit, number of trees, by county

Country	All Grapefruit		Seedy		White Grapefruit		Colored Grapefruit		Unidentified	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	1,000 trees									
Brevard	152.1	135.5	2.0	1.5	42.6	40.4	107.2	93.3	0.3	0.3
Broward	0.9	0.9	0.1	0.1	0.0	0.0	0.8	0.8	0.0	0.0
Charolette	397.0	387.8	1.3	1.2	31.5	23.5	361.7	360.3	2.5	2.8
Citrus	3.2	3.3	0.0	0.0	0.0	0.0	3.2	3.3	0.0	0.0
Collier	404.8	378.8	0.1	0.0	87.2	83.6	317.4	295.2	0.1	0.0
DeSoto	193.9	175.2	40.7	38.3	69.1	59.5	82.2	76.3	1.9	1.1
Glades	61.8	60.3	0.0	0.0	2.5	2.3	59.3	58.0	0.0	0.0
Hardee	93.0	80.4	10.0	8.2	21.4	18.1	61.2	54.0	0.4	0.1
Hendry	1,171.1	1,008.2	9.3	7.5	368.8	290.9	790.9	709.0	2.1	0.8
Hernando	2.0	1.4	0.0	0.0	0.1	0.1	1.9	1.3	0.0	0.0
Highlands	387.1	298.9	55.5	46.4	178.3	125.9	149.6	126.5	3.7	0.1
Hillsborough	80.9	70.9	13.6	10.9	17.5	15.0	48.8	45.0	1.0	0.0
Indian River	3,522.5	3,324.1	2.7	2.6	1,470.4	1,424.8	1,981.1	1,886.7	68.3	10.0
Lake	143.1	137.2	4.4	4.3	13.6	9.9	123.4	121.5	1.7	1.5
Lee	142.0	131.3	2.0	1.4	28.9	28.4	111.1	101.5	0.0	0.0
Manatee	138.8	124.0	43.1	36.1	38.3	36.3	57.4	51.6	0.0	0.0
Marion	3.9	3.8	0.0	0.0	0.5	0.5	3.4	3.3	0.0	0.0
Martin	543.1	451.7	0.1	0.0	360.7	329.5	149.6	121.1	32.7	1.1
Okeechobee	155.6	138.7	0.0	0.0	79.1	66.3	76.5	72.4	0.0	0.0
Orange	27.6	25.0	2.7	2.3	2.3	2.0	22.6	20.7	0.0	0.0
Osceola	151.5	145.6	1.4	1.4	80.8	74.6	68.1	68.0	1.2	1.6
Palm Beach	220.4	207.0	0.0	0.0	91.8	81.7	128.6	125.3	0.0	0.0
Pasco	24.6	22.8	1.5	0.5	5.4	5.5	17.7	16.7	0.0	0.1
Pinellas	3.5	0.6	1.6	0.2	0.5	0.2	1.4	0.2	0.0	0.0
Polk	683.7	603.0	94.1	67.5	265.8	222.1	320.0	311.7	3.8	1.7
Putnam	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0
St. Lucie	5,300.5	4,978.3	12.0	2.4	1,853.4	1,685.3	3,355.6	3,232.9	79.5	57.7
Sarasota	48.3	44.7	0.6	0.5	11.5	10.6	36.2	33.6	0.0	0.0
Seminole	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	0.0	0.0
Volusia	17.6	17.2	0.4	0.2	5.3	5.2	11.9	11.8	0.0	0.0
Total	14,079.1	12,961.2	299.2	233.5	5,127.3	4,642.2	8,453.4	8,006.6	199.2	78.9

Florida Commercial Citrus Inventory
All grapefruit, number of acres by area and year of inventory

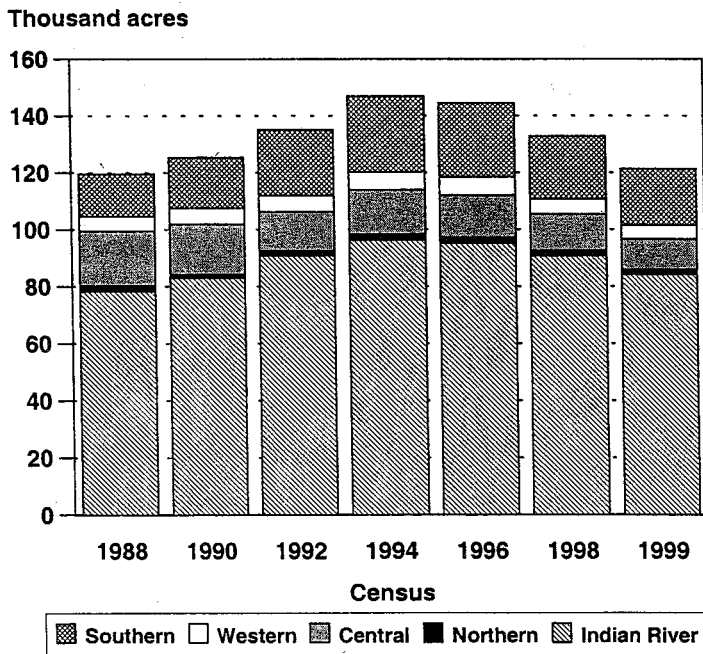
Area	Seedy		White seedless		Colored seedless		Total including unidentified	
	1998	1999	1998	1999	1998	1999	1998	1999
	Acres							
Indian River	222	84	36,828	33,993	52,171	49,456	90,760	84,18
Northern	96	76	233	198	1,455	1,398	1,803	1,69
Central	1,800	1,368	5,591	4,418	5,256	5,010	12,733	10,83
Western	1,169	986	1,640	1,464	2,565	2,335	5,399	4,79
Southern	140	109	7,349	6,087	14,578	13,532	22,122	19,75
Total	3,427	2,623	51,641	46,160	76,025	71,731	132,817	121,25

Special Grapefruit Inventory Procedures

This special grapefruit survey was conducted from January through June of 1999. During this survey period field men visited all of the grapefruit acreage in Florida using the same aerial photography that was used for the 1998 biennial citrus survey. Groves were evaluated by field men as either commercial or abandoned. Dead and dying trees were removed when it was determined that they could no longer produce harvestable quantities of fruit. Abandoned groves are defined as those where no caretaking, fertilizing, or cultivating has taken place for a year or more.

The database contains a record for each separate homogeneous planting. A record is created for each new block of trees and records of plantings which no longer exist are removed.

Grapefruit Acreage by Census and Area



**1999 Grapefruit Survey
Decline in Acreage Since 1998 Census
(In Percent)**

