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CITRUS 2003-04 SUMMARY

PRODUCTION, PRICE, AND VALUE

PRODUCTION BY COUNTIES AND PER TREE

September 23, 2004

FLORIDA CITRUS: Production, utilization, season average on-tree price and value for the 2002-03 and 2003-04 seasons ^{1/}

Fruit type	Crop year	Production	Crop utilization		On-tree	
			Fresh use	Processing	Price per box	Value of production
		1,000	1-3/5 bushel boxes		Dollars	1,000 dol.
Early-Midseason-Navel Oranges	2002-03	112,000	6,773	105,227	2.62	293,594
	2003-04	126,000	5,615	120,385	1.76	222,338
Valencia Oranges	2002-03	91,000	2,940	88,060	3.85	350,210
	2003-04	116,000	4,066	111,934	3.00	347,491
All Oranges	2002-03	203,000	9,713	193,287	3.17	643,804
	2003-04	242,000	9,681	232,319	2.35	569,829
White Grapefruit ^{2/}	2002-03	16,200	3,172	13,028	1.59	25,836
	2003-04	15,900	3,282	12,618	1.48	23,606
Colored Grapefruit	2002-03	22,500	12,417	10,083	2.79	62,792
	2003-04	25,000	13,356	11,644	3.82	95,584
All Grapefruit	2002-03	38,700	15,589	23,111	2.29	88,628
	2003-04	40,900	16,638	24,262	2.91	119,190
Temple	2002-03	1,300	305	995	2.01	2,615
	2003-04	1,400	341	1,059	1.00	1,393
Tangelos	2002-03	2,350	608	1,742	2.60	6,114
	2003-04	1,000	545	455	7.33	7,334
Early Tangerines ^{3/}	2002-03	3,000	2,110	890	8.39	25,163
	2003-04	3,600	2,307	1,293	6.11	21,987
Honey Tangerines	2002-03	2,500	1,804	696	8.36	20,897
	2003-04	2,900	2,133	767	9.13	26,483
All Tangerines	2002-03	5,500	3,914	1,586	8.40	46,217
	2003-04	6,500	4,440	2,060	7.42	48,217
All Citrus	2002-03	250,850	--	--	--	787,378
	2003-04	291,800	--	--	--	745,963

^{1/} Excludes limes and lemons.

^{2/} Includes seedy grapefruit.

^{3/} Fallglo and Sunburst varieties.

PRODUCTION AND VALUE

The \$746.0 million preliminary value of the 2003-04 citrus crop, the lowest since 1985-86, is down 5.3 percent from the 2002-03 season's revised value of \$787.4 million. Lemons are no longer included in this report and that revised value is down 3.5 percent from the preliminary value without lemons. Production increased 16 percent above last season and was higher for all varieties except the white grapefruit and tangelos.

The orange crop, 19 percent greater than last season, is second only to the 244.0 million boxes of 1997-98. Processing utilized 96 percent of the crop. Early-midseason-Navel production is up 13 percent but Navel production at 4.3 million boxes fell 20 percent and is below 5.0 million boxes for the first time since 1993-94. Navels, primarily a fresh use crop, comprised 55 percent of the total early-midseason-Navel fresh shipments. Valencia oranges surpassed last season by 27 percent and the previous record set in 1997-98 by 12 percent. Prices and values are lower for all orange varieties.

White grapefruit (seedless and seedy) production is the least in a series dating back to 1956-57 but colored grapefruit is up 11 percent from last season. Increases in colored grapefruit offset declines by white grapefruit resulting in all grapefruit increases of production-6 percent, price per box-27 percent, and value-34 percent. Over half of the colored grapefruit was shipped fresh while almost 80 percent of the white was processed.

Production was higher for both early and late tangerines. Price-per-box and value are lower for the early category (Fallglo and Sunburst) but higher for the Honey variety resulting in a lower price but higher value for all tangerines. Temple production is up 8 percent but the on-tree price fell to the lowest since 1966-67 and the value equals only 53 percent of last season's. The tangelo crop plummeted to the lowest level since 1964-65. However, a greater proportion of fresh shipments consisted of the high value Minneola variety. The preliminary price is higher than any revised price in the series and the crop value is up 20 percent from last season.

Prices for the 2003-04 season are preliminary and will be revised next September when the results of all participation plans and pools become final. Revised prices are shown for 2002-03. The table on page 8 shows a breakdown of citrus prices for all fruit types by usage for 2003-04 and the two previous seasons.

FLORIDA CITRUS: Production by counties and types, 2003-2004

County	All Citrus ^{1/}	Round oranges			Grapefruit		
		Early and Midseason	Late (Valencia)	All	White ^{2/}	Colored	All
							<i>1,000 Boxes</i>
Brevard	1,660	674	614	1,288	128	174	302
Charlotte	7,214	1,898	3,691	5,589	47	1,292	1,339
Collier	11,413	4,819	5,782	10,601	35	494	529
DeSoto	28,878	12,894	15,524	28,418	50	100	150
Glades	3,806	2,009	1,637	3,646	5	69	74
Hardee	22,169	15,225	6,342	21,567	72	175	247
Hendry	33,852	12,726	17,832	30,558	772	1,829	2,601
Hernando	386	363	6	369	-	3	3
Highlands	35,282	13,715	19,201	32,916	916	523	1,439
Hillsborough	8,010	5,879	1,699	7,578	42	137	179
Indian River	17,263	2,977	2,738	5,715	5,302	5,990	11,292
Lake	7,310	4,750	1,113	5,863	12	425	437
Lee	3,511	1,167	1,929	3,096	12	304	316
Manatee	9,237	5,262	3,576	8,838	109	160	269
Marion	435	322	45	367	-	14	14
Martin	12,632	4,039	7,253	11,292	776	312	1,088
Okeechobee	4,030	2,065	1,375	3,440	197	273	470
Orange	2,274	1,266	759	2,025	2	63	65
Osceola	6,623	3,817	1,759	5,576	523	358	881
Palm Beach	1,749	621	269	890	78	338	416
Pasco	4,409	3,519	701	4,220	3	42	45
Polk	42,202	21,481	15,693	37,174	1,570	1,551	3,121
St. Lucie	25,844	3,726	6,018	9,744	5,190	10,169	15,359
Sarasota	586	134	259	393	26	127	153
Seminole	448	277	109	386	-	15	15
Volusia	432	271	65	336	32	49	81
Other ^{4/}	145	104	11	115	1	14	15
Total	291,800	126,000	116,000	242,000	15,900	25,000	40,900
Indian River	47,544	7,600	10,800	18,400	11,200	16,800	28,000
Northern	15,623	10,787	2,764	13,551	17	578	595
Central	83,525	38,613	36,536	75,149	2,983	2,422	5,405
Western	68,890	39,400	27,400	66,800	300	700	1,000
Southern	76,218	29,600	38,500	68,100	1,400	4,500	5,900
Total	291,800	126,000	116,000	242,000	15,900	25,000	40,900

^{1/} Excludes limes and lemons.

^{2/} Includes seedy grapefruit.

^{3/} Fallglo and Sunburst varieties.

^{4/} Alachua, Citrus, Pinellas, and Putnam.

PRODUCTION BY COUNTIES

Tangerines			Specialty	
Early ^{3/}	Honey	All	Temples	Tangelos
1,000 Boxes				
26	13	39	19	12
173	93	266	9	11
70	154	224	38	21
80	193	273	14	23
31	53	84	-	2
110	166	276	18	61
115	384	499	135	59
12	-	12	-	2
318	247	565	308	54
66	110	176	18	59
71	91	162	68	26
748	65	813	51	146
42	51	93	1	5
11	52	63	26	41
51	-	51	-	3
40	58	98	103	51
45	59	104	9	7
115	17	132	21	31
60	23	83	66	17
75	307	382	51	10
101	19	120	14	10
1,001	459	1,460	201	246
186	277	463	209	69
7	6	13	19	8
26	1	27	-	20
9	1	10	1	4
11	1	12	1	2
3,600	2,900	6,500	1,400	1,000
287	392	679	351	114
1,073	103	1,176	87	214
1,371	714	2,085	574	312
274	527	801	96	193
595	1,164	1,759	292	167
3,600	2,900	6,500	1,400	1,000

Total citrus production (excluding limes and lemons) increased by 16 percent in the 2003-04 season. Over three-fourths of the harvest came from the Central, Western, and Southern areas. Increases by area ranged from a low of 13 percent in the Southern area to a high of 21 percent in the Western. Production by Marketing District is distributed as follows: Indian River, 47.5 million boxes, 16.3 percent; Gulf, 59.8 million boxes, 20.5 percent; and SunRidge, 184.5 million boxes, 63.2 percent.

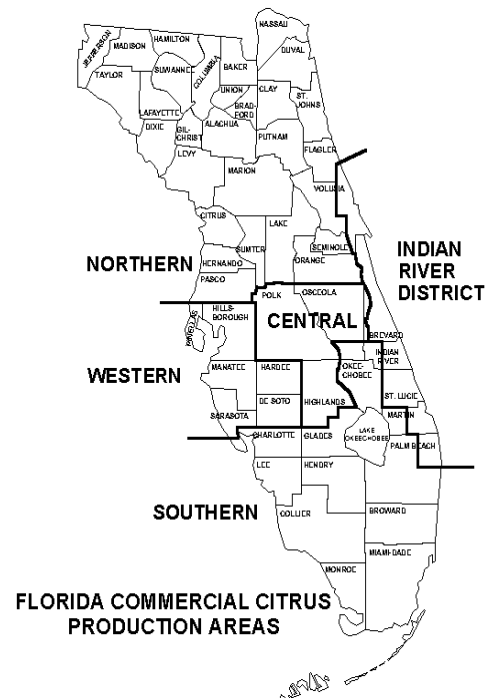
Production increased in 24 of the 30 counties. Polk leads in total production with 42.2 million boxes and is followed by Highlands (35.3 million boxes), Hendry (33.9 million boxes), DeSoto (28.9 million boxes), and St. Lucie (25.8 million boxes). These top five counties produced 57 percent of the crop.

Polk County produces the most oranges with Highlands, Hendry, DeSoto, and Hardee following. However, Highlands and Hendry lead in production of the late (Valencia) variety. Valencia oranges account for 48 percent of the orange crop with early, midseason, and Navel varieties constituting the remainder.

St. Lucie (15.4 million boxes) remains the top grapefruit producer followed by Indian River (11.3 million boxes). Together they produced nearly two-thirds of the State's crop. Polk and Hendry are the top producers outside the Indian River District. Colored grapefruit comprised 61 percent of the crop while white totaled 39 percent.

The specialty crops—tangerines, Temples, and tangelos—are concentrated in the ridge counties of Polk, Lake, Highlands, and Hendry, and in St. Lucie on the East Coast. Polk leads in production of tangelos and both tangerine categories and Highlands is the top producer of Temples.

Estimates of county production are prepared from objective survey data used in forecasting citrus crop production. The apportionment of final harvest to the counties is based on bearing trees from the biennial Commercial Citrus Inventory; the limb count survey, which provides an estimate of the average fruit per tree; and the drop and size surveys, which provide estimates of the amount of fruit on the tree available at harvest and the size of the fruit at that time. The size of the samples used in these surveys and the distribution of the sample groves around the state are chosen to minimize the error in the estimates of production and are not to be considered as accurate for the counties as at the state or area level.



BOXES OF FRUIT PER TREE

The Florida Agricultural Statistics Service conducts objective surveys to determine fruit per tree, average sizes, and droppage between August and maturity. These data are used to estimate production per tree for each of four types of citrus fruit, as shown in the following tables.

The estimates of production per tree are based on official end-of-season production estimates and the number of bearing trees indicated by the citrus tree inventory surveys. The

averages of boxes per tree for age groups shown are calculated from estimates of fruit per tree in August, size at maturity, and drop between August and maturity.

Additionally, the boxes are subdivided by production areas. Estimated boxes by types and age groups are weighted averages of the indicated seasons. Small sample sizes in some age/area cells and rounding may contribute to inconsistent averages

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 1999-00 through 2003-04

Fruit type by season	Area	Age of trees					Average ^{1/}
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	
<i>Boxes per tree</i>							
EARLY AND MIDSEASON ORANGES: (Includes Navels)							
1999-00	State	0.9	2.1	3.4	4.7	5.2	3.45
	Indian River	0.5	1.9	2.1	2.4	3.0	2.22
	Northern & Central	1.0	2.3	3.9	5.3	7.4	3.90
	Western	0.7	1.9	3.9	5.4	5.6	4.15
	Southern	1.1	2.0	2.7	4.3	4.0	2.82
2000-01	State	1.0	2.0	3.2	4.2	4.6	3.33
	Indian River	0.8	1.3	1.8	2.5	2.8	2.08
	Northern & Central	1.4	2.4	3.2	5.0	5.0	3.56
	Western	0.8	1.7	3.3	4.2	5.4	3.71
	Southern	0.9	2.0	3.3	4.2	4.4	3.23
2001-02	State	1.4	1.8	3.0	4.2	5.2	3.50
	Indian River	0.8	1.4	1.8	3.0	3.5	2.44
	Northern & Central	0.9	2.2	3.4	4.9	6.5	3.95
	Western	2.2	1.7	3.2	4.7	5.6	4.10
	Southern	1.2	1.6	2.8	3.3	4.2	2.82
2002-03	State	0.7	1.8	2.7	3.8	4.3	3.08
	Indian River	0.5	1.3	1.8	2.2	2.5	1.92
	Northern & Central	0.7	2.1	3.1	4.2	5.8	3.57
	Western	0.6	1.4	2.5	4.0	4.6	3.31
	Southern	0.8	2.0	2.6	3.5	3.4	2.74
2003-04	State	1.9	1.9	3.2	4.1	5.3	3.66
	Indian River	0.7	1.3	1.7	2.4	3.5	2.18
	Northern & Central	2.7	2.6	3.8	4.7	7.3	4.39
	Western	2.0	1.6	3.7	4.7	5.3	4.21
	Southern	1.6	1.6	2.5	3.3	4.4	2.86
Average	State	1.16	1.96	3.10	4.13	4.94	3.40
	Indian River	0.65	1.51	1.87	2.49	3.03	2.17
	Northern & Central	1.36	2.30	3.46	4.75	6.40	3.87
	Western	1.27	1.74	3.33	4.58	5.32	3.89
	Southern	1.14	1.90	2.82	3.62	4.11	2.90

^{1/} Average weighted by bearing trees.

**FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and
production areas, 1999-00 through 2003-04**

Fruit type by season	Area	Age of trees					Average ^{1/}
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	
<i>Boxes per tree</i>							
LATE (VALENCIA) ORANGES:							
1999-00	State	0.9	1.7	2.4	3.1	4.5	2.48
	Indian River	0.5	1.7	2.1	2.2	2.9	2.08
	Northern & Central	0.5	1.6	2.6	4.1	6.2	2.87
	Western	1.6	1.6	3.1	3.8	4.6	3.06
	Southern	1.1	1.7	2.2	2.4	3.8	2.11
2000-01	State	0.9	1.7	2.3	2.7	3.7	2.32
	Indian River	0.5	1.1	1.8	1.8	2.3	1.68
	Northern & Central	1.1	1.8	2.4	2.8	4.8	2.58
	Western	1.2	2.6	2.6	3.9	3.3	2.73
	Southern	0.7	1.6	2.2	2.7	4.0	2.18
2001-02	State	0.9	1.7	2.4	2.8	4.5	2.49
	Indian River	0.5	1.4	1.5	2.3	2.8	1.80
	Northern & Central	0.9	1.5	2.6	3.6	5.5	2.90
	Western	0.8	2.6	3.2	3.3	4.7	3.04
	Southern	1.1	1.5	2.1	2.4	4.4	2.16
2002-03	State	1.0	1.6	1.9	2.6	4.0	2.18
	Indian River	0.8	0.9	1.6	1.7	2.0	1.55
	Northern & Central	1.2	1.6	2.0	3.3	5.4	2.64
	Western	1.3	2.4	2.3	2.7	4.1	2.52
	Southern	0.8	1.4	1.7	2.4	3.3	1.89
2003-04	State	1.7	2.1	2.5	3.0	5.1	2.83
	Indian River	1.6	1.1	1.8	2.2	3.5	2.07
	Northern & Central	1.4	2.3	2.8	4.0	6.5	3.40
	Western	2.7	2.3	3.4	3.3	4.7	3.38
	Southern	1.0	2.1	2.3	2.5	4.8	2.40
Average	State	1.09	1.73	2.28	2.83	4.33	2.46
	Indian River	0.80	1.30	1.75	2.03	2.68	1.84
	Northern & Central	1.03	1.72	2.45	3.59	5.67	2.88
	Western	1.50	2.22	2.89	3.28	4.26	2.94
	Southern	0.94	1.67	2.10	2.45	4.07	2.15

^{1/} Average weighted by bearing trees.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and
production areas, 1999-00 through 2003-04

Fruit type by season	Area	Age of trees					Average ^{1/}
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	
<i>Boxes per tree</i>							
WHITE GRAPEFRUIT:							
1999-00	State	1.3	3.1	4.6	5.2	6.3	4.82
	Indian River	1.4	2.9	4.1	4.7	5.9	4.50
	Northern & Central	0.2	2.5	5.0	7.9	12.3	6.44
	Western	1.5	4.4	2.4	4.7	5.4	4.00
	Southern	1.4	3.9	7.0	4.9	6.3	5.56
2000-01 ^{2/}	State	2.2	2.9	3.8	7.1	5.4	4.39
	Indian River	2.1	2.7	3.6	7.7	5.2	4.23
	Northern & Central	0.9	3.3	4.8	8.5	9.4	6.15
	Western	4.8	3.1	2.5	4.6	5.6	4.59
	Southern	0.4	3.1	3.9	2.7	4.4	3.78
2001-02 ^{2/}	State	1.3	3.3	3.6	7.0	5.8	4.56
	Indian River	1.2	3.1	3.4	5.2	5.5	4.15
	Northern & Central	1.3	3.1	4.2	11.8	10.5	7.31
	Western	4.0	3.1	0.6	3.0	5.0	3.73
	Southern	1.5	4.4	4.2	6.1	5.1	4.63
2002-03 ^{2/}	State	1.9	3.0	3.2	4.8	5.3	4.11
	Indian River	1.3	2.4	3.2	3.7	4.8	3.64
	Northern & Central	6.3	6.0	3.5	5.9	10.2	6.50
	Western	4.0	5.7	3.3	6.2	4.8	4.90
	Southern	8.4	6.4	3.1	6.2	4.6	4.20
2003-04 ^{2/}	State	2.5	3.5	3.5	4.4	6.9	4.90
	Indian River	1.5	3.3	3.7	3.4	7.0	4.75
	Northern & Central	8.2	6.8	4.9	9.4	10.3	8.11
	Western	2.0	3.4	0.4	1.9	5.6	3.57
	Southern	5.7	1.9	2.1	2.8	4.6	3.23
Average	State	1.73	3.12	3.69	5.36	5.90	4.55
	Indian River	1.55	2.87	3.57	4.50	5.59	4.24
	Northern & Central	2.76	3.43	4.41	8.58	10.47	6.87
	Western	3.19	4.02	1.92	4.01	5.24	4.23
	Southern	2.27	3.83	3.92	4.22	5.06	4.37

^{1/} Average weighted by bearing trees.

^{2/} Includes seedy grapefruit.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 1999-00 through 2003-04

Fruit type by season	Area	Age of trees					Average ^{1/}
		3 - 5 years	6 - 8 years	9 - 13 years	14 - 23 years	24 years and older	
<i>Boxes per tree</i>							
COLORED GRAPEFRUIT:							
1999-00	State	1.4	2.9	4.2	5.3	5.7	4.17
	Indian River	1.4	2.3	3.5	4.9	5.4	3.92
	Northern & Central	1.0	3.4	6.0	13.2	10.0	5.98
	Western	3.6	2.2	6.1	1.3	5.7	4.40
	Southern	1.0	3.5	4.9	5.9	5.9	4.22
2000-01 ^{2/}	State	1.7	3.1	3.4	4.4	4.6	3.71
	Indian River	1.4	2.1	3.2	4.3	4.5	3.52
	Northern & Central	4.6	2.9	4.2	6.6	6.9	4.43
	Western	0.8	0.7	3.9	0.5	4.5	2.50
	Southern	2.4	5.6	3.5	4.6	5.1	4.25
2001-02	State	2.0	2.3	3.9	4.7	5.2	4.13
	Indian River	2.1	1.9	3.6	4.8	5.2	4.06
	Northern & Central	1.7	3.6	4.8	7.2	6.5	5.14
	Western	0.8	2.4	3.9	0.6	5.4	3.11
	Southern	1.7	3.4	4.3	3.6	5.2	4.07
2002-03	State	1.6	1.8	3.0	4.0	4.8	3.54
	Indian River	1.0	1.7	2.4	3.3	4.3	3.09
	Northern & Central	1.3	1.1	3.1	8.2	9.8	5.19
	Western	4.8	1.4	3.6	5.8	9.3	4.76
	Southern	2.4	4.0	4.4	4.2	6.4	4.32
2003-04	State	2.9	3.5	3.6	4.6	6.0	4.37
	Indian River	1.1	3.4	3.0	4.5	5.7	4.20
	Northern & Central	5.7	4.0	5.9	5.0	8.5	5.70
	Western	3.6	3.3	3.4	2.5	12.8	4.17
	Southern	5.7	4.3	3.8	5.1	6.3	4.39
Average	State	1.86	2.80	3.62	4.58	5.24	3.98
	Indian River	1.41	2.18	3.14	4.37	5.01	3.75
	Northern & Central	2.67	3.20	4.68	7.35	8.36	5.28
	Western	2.43	1.64	4.27	2.68	7.18	3.75
	Southern	2.96	4.10	4.11	4.72	5.67	4.24

^{1/} Average weighted by bearing trees.

^{2/} Excludes 2.0 million boxes of economic abandonment.

FLORIDA CITRUS PRICES: Season average on-tree prices and equivalent returns per box received by growers, by varieties and utilization from crop years 2001-02, 2002-03, and 2003-04 ^{1/}

Fruit type by season	Methods of sale			Fruit type by season	Methods of sale		
	Fresh	Processing	All		Fresh	Processing	All
<i>Dollars per box</i>				<i>Dollars per box</i>			
ORANGES				GRAPEFRUIT			
Navel				White			
2001-02	5.15	1.80	4.19	2001-02	6.54	0.91	1.96
2002-03	7.25	-1.02	4.93	2002-03	7.57	0.14	1.59
2003-04	6.45	-1.40	4.28	2003-04	7.50	-0.08	1.48
Early-Midseason (excluding Navel)				Colored			
2001-02	4.05	2.79	2.82	2001-02	4.92	0.17	2.54
2002-03	3.75	2.46	2.49	2002-03	5.13	-0.09	2.79
2003-04	2.45	1.65	1.67	2003-04	7.27	-0.13	3.82
Early-Midseason-Navel				All Grapefruit			
2001-02	4.65	2.79	2.88	2001-02	5.25	0.56	2.31
2002-03	5.75	2.42	2.62	2002-03	5.63	0.04	2.29
2003-04	4.65	1.63	1.76	2003-04	7.32	-0.10	2.91
Valencia				TANGERINES			
2001-02	5.25	4.17	4.20	Early ^{2/}			
2002-03	5.30	3.80	3.85	2001-02	11.20	-0.70	6.93
2003-04	3.15	2.99	3.00	2002-03	12.20	-0.65	8.39
All Oranges				2003-04	10.50	-1.73	6.11
2001-02	4.84	3.41	3.47	Honey			
2002-03	5.61	3.05	3.17	2001-02	15.20	-0.04	9.61
2003-04	4.02	2.29	2.35	2002-03	11.90	-0.82	8.36
TEMPLES				2003-04	12.70	0.79	9.13
2001-02	4.90	1.19	2.19	All Tangerines			
2002-03	3.65	1.51	2.01	2001-02	12.50	-0.47	7.81
2003-04	3.65	0.14	1.00	2002-03	12.10	-0.72	8.40
TANGELOS				2003-04	11.50	-1.38	7.42
2001-02	6.10	0.73	2.47				
2002-03	7.65	0.84	2.60				
2003-04	13.85	-0.47	7.33				

^{1/} 2001-02 and 2002-03 revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2003-04 preliminary price based on cash sales only.

^{2/} Robinson, Fallglo, Sunburst, and Dancy varieties in 2001-02, Fallglo and Sunburst only beginning in 2002-03.

FLORIDA BEARING TREES: Estimated trees of bearing age by age group, year set, and type, for the 2003-04 season

Fruit type	Age 1 1998-2000	Age 2 1995-97	Age 3 1990-94	Age 4 1980-89	Age 5 1979 and earlier	Total bearing trees
<i>1,000 trees</i>						
Early-Midseason-Navel Oranges	3,072	2,540	9,887	13,824	5,122	34,445
Valencia Oranges	4,717	4,177	14,134	13,073	4,846	40,947
White Grapefruit	121	291	1,013	635	1,187	3,247
Colored Grapefruit	268	186	2,111	1,998	1,158	5,721