United States Department of Agriculture

National Agricultural Statistics Service

September 21, 2006

CITRUS 2005-06 SUMMARY

PRODUCTION, PRICE AND VALUE
PRODUCTION BY COUNTY AND PER TREE

In Cooperation with the Florida Department of Agriculture & Consumer Services

Florida Field Office 1222 Woodward St. Orlando, FL 32803 (407) 648-6013 www.nass.usda.gov/fl

PRODUCTION AND VALUE

Production of Florida citrus in the 2005-06 season was 174.8 million boxes, up three percent from the 2004-05 season, and down 40 percent from the 291.8 million boxes in the 2003-04 season. The primary reason for the reduced crop is fruit loss due to Hurricane Wilma. After entering the State south of Naples as a Category 3 hurricane, it continued through the Southern production area with winds up to 125 mph. The storm exited the Indian River area near West Palm Beach.

Production is five percent lower for early-midseason-Navel oranges and three percent higher for Valencia oranges. The all orange crop production, at 147.9 million boxes, is the lowest since the 139.8 million boxes in 1991-92. Navel production, at 3.8 million boxes, is 52 percent higher than in 2004-05. Navels, primarily a fresh use crop, comprised 58 percent of the total early-midseason-Navel fresh shipments. Other than 2004-05, all grapefruit production at 19.3 million boxes is the lowest since the 1941-42 season's 19.2 million boxes. Increases in production of specialty fruit were recorded for all types except tangelos.

The $1,043.3 million preliminary value of the 2005-06 citrus crop is up 38 percent from the 2004-05 season's revised value of $754.2 million, and the highest since the 1999-00 season value of $1,108.5 million. On-tree values are higher for all varieties of citrus except colored grapefruit and Honey tangerines. Price-per-box is higher for all varieties except white and colored grapefruit and Honey tangerines.

FLORIDA CITRUS: Production, utilization, season average on-tree price and value for the 2004-05 and 2005-06 seasons

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	2004-05	79,100	4,403	74,697	2.82	223,193
	2005-06	75,000	4,896	70,104	4.53	339,514
Valencia Oranges	2004-05	70,700	2,994	67,706	4.24	299,699
	2005-06	72,900	2,450	70,450	6.42	468,062
All Oranges	2004-05	149,800	7,397	142,403	3.49	522,892
	2005-06	147,900	7,346	140,554	5.46	807,576
White Grapefruit	2004-05	3,400	1,352	2,048	11.93	40,560
	2005-06	6,500	1,433	5,067	9.22	59,945
Colored Grapefruit	2004-05	9,400	6,067	3,333	14.02	131,805
	2005-06	12,800	5,481	7,319	8.92	114,139
All Grapefruit	2004-05	12,800	7,419	5,381	13.47	172,365
	2005-06	19,300	6,914	12,386	9.02	174,084
Temples	2004-05	650	213	437	2.48	1,615
	2005-06	700	209	491	3.16	2,214
Tangelos	2004-05	1,550	495	1,055	2.45	3,794
	2005-06	1,400	547	853	5.37	7,512
Early Tangerines (Fallglo and Sunburst)	2004-05	2,450	1,814	636	10.12	24,785
	2005-06	2,850	1,913	937	10.40	29,640
Honey Tangerines	2004-05	2,000	1,504	496	14.36	28,727
	2005-06	2,650	1,695	955	8.45	22,391
All Tangerines	2004-05	4,450	3,318	1,132	12.02	53,503
	2005-06	5,500	3,608	1,892	9.44	51,907
All Citrus	2004-05	169,250	--	--	--	754,169
	2005-06	174,800	--	--	--	1,043,293

FLORIDA CITRUS: Production by counties and types, 2005-2006

County	All Citrus	Round oranges			Grapefruit		
		Early and Midseason	Late (Valencia)	All	White	Colored	All
						1,000 boxes	
Brevard	626	295	190	485	34	67	101
Charlotte	2,246	579	1,284	1,863	14	210	224
Collier	6,134	2,317	3,381	5,698	17	221	238
DeSoto	20,429	8,132	11,901	20,033	22	84	106
Glades	1,740	843	802	1,645	3	36	39
Hardee	14,900	9,396	4,951	14,347	71	97	168
Hendry	15,752	5,309	9,352	14,661	147	520	667
Hernando	337	308	4	312	1	6	7
Highlands	23,819	8,620	13,197	21,817	639	510	1,149
Hillsborough	5,277	3,734	1,226	4,960	39	18	57
Indian River	7,511	1,134	938	2,072	1,999	3,280	5,279
Lake	6,417	3,773	835	4,608	95	637	732
Lee	1,806	554	1,031	1,585	10	144	154
Manatee	7,139	3,933	2,899	6,832	127	41	168
Marion	425	310	31	341	4	23	27
Martin	5,511	1,539	3,465	5,004	255	149	404
Okeechobee	1,388	647	527	1,174	47	116	163
Orange	1,791	1,090	457	1,547	12	81	93
Osceola	4,694	2,594	1,213	3,807	369	348	717
Palm Beach	321	29	7	36	12	119	131
Pasco	3,633	2,833	596	3,429	18	51	69
Polk	32,542	15,592	12,098	27,690	1,170	1,503	2,673
St. Lucie	9,264	925	2,241	3,166	1,344	4,405	5,749
Sarasota	477	99	223	322	39	60	99
Seminole	190	114	21	135	-	19	19
Volusia	285	209	23	232	10	31	41
Other [2/]	146	92	7	99	2	24	26
Total	**174,800**	**75,000**	**72,900**	**147,900**	**6,500**	**12,800**	**19,300**
Indian River	18,484	2,400	3,900	6,300	3,600	8,000	11,600
Northern	13,122	8,685	1,963	10,648	130	843	973
Central	60,761	26,615	26,437	53,052	2,170	2,357	4,527
Western	48,232	25,300	21,200	46,500	300	300	600
Southern	34,201	12,000	19,400	31,400	300	1,300	1,600
Total	**174,800**	**75,000**	**72,900**	**147,900**	**6,500**	**12,800**	**19,300**

[1/] Fallglo and Sunburst varieties.

[2/] Alachua, Citrus, Pinellas, and Putnam.

Tangerines			Specialty	
Early [1/]	Honey	All	Temples	Tangelos
19	4	23	2	15
81	61	142	5	12
55	102	157	28	13
52	189	241	12	37
19	34	53	-	3
117	177	294	8	83
80	194	274	84	66
9	4	13	-	5
235	343	578	209	66
75	114	189	8	63
54	63	117	5	38
590	140	730	40	307
27	38	65	-	2
9	64	73	16	50
42	1	43	1	13
21	36	57	26	20
22	17	39	5	7
67	35	102	14	35
79	16	95	53	22
31	97	128	13	13
65	42	107	11	17
1,002	680	1,682	123	374
58	187	245	14	90
8	8	16	21	19
13	2	15	-	21
6	1	7	1	4
14	1	15	1	5
2,850	**2,650**	**5,500**	**700**	**1,400**
132	262	394	29	161
805	225	1,030	67	404
1,308	1,031	2,339	384	459
261	552	813	66	253
344	580	924	154	123
2,850	**2,650**	**5,500**	**700**	**1,400**

PRODUCTION BY COUNTIES

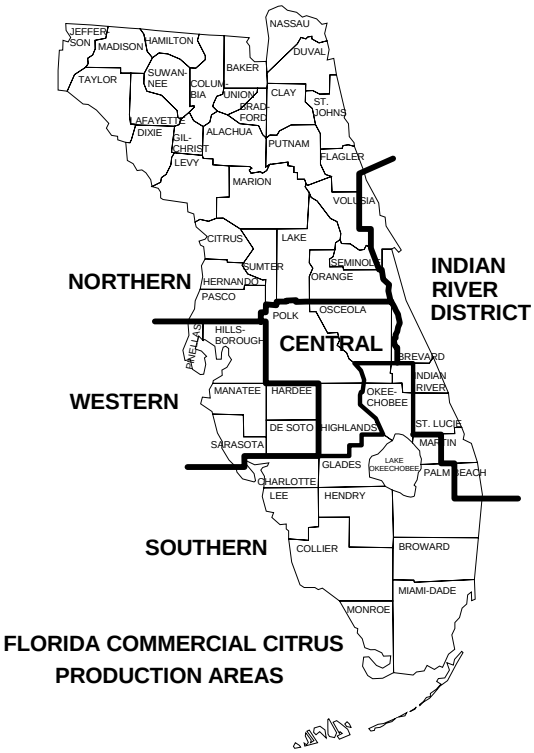
Total citrus production in 2005-06 was up in four of five Florida commercial citrus production areas from the 2004-05 season. The Indian River and Western areas were up the most at 63 percent and 47 percent respectively. The Southern area, the only area down, was 48 percent lower. Hurricane Wilma passed directly over the Southern citrus producing area causing a major reduction of the citrus crop.

Production increased in 19 of the 30 counties. Polk County led in total production with 32.5 million boxes, followed by Highlands (23.8 million boxes), Desoto (20.4 million boxes), Hendry (15.8 million boxes), and Hardee (14.9 million boxes). These top five counties produced 61 percent of the citrus crop.

Polk County produced the most oranges (27.7 million boxes) followed by Highlands (21.8 million boxes), and Desoto (20.0 million boxes). St. Lucie, at 5.7 million boxes of grapefruit, remained the top grapefruit producer followed by Indian River at 5.3 million boxes. Together the two counties accounted for 57 percent of the states grapefruit crop. Colored varieties have dominated grapefruit production for the past 16 seasons and now comprise 66 percent of the crop.

The majority of the specialty crops–tangerines, Temples, and tangelos–were concentrated in the ridge counties of Polk, Lake, and Highlands. Polk led in production of tangelos and tangerines, while Highlands was 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 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 Commercial Citrus Inventory. 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, 2001-02 through 2005-06

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	
		Boxes per tree					
EARLY AND MIDSEASON ORANGES: (INCLUDES NAVELS):							
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**	**1.8**	**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
2004-05 [2/]	**State**	**1.2**	**1.7**	**2.2**	**2.9**	**2.8**	**2.43**
	Indian River	0.7	0.6	0.6	0.9	1.0	0.79
	Northern & Central	2.2	1.7	2.3	2.9	3.2	2.63
	Western	1.0	1.2	2.0	2.5	2.8	2.17
	Southern	1.0	2.7	2.5	3.5	3.9	2.89
2005-06 [3/]	**State**	**1.8**	**1.8**	**2.0**	**2.8**	**3.7**	**2.60**
	Indian River	0.7	0.6	0.4	1.4	1.5	1.03
	Northern & Central	4.6	2.6	2.7	3.7	5.7	3.74
	Western	1.3	1.6	2.9	3.6	4.2	3.12
	Southern	0.5	1.5	0.8	1.6	1.4	1.34
Average	**State**	**1.38**	**1.80**	**2.74**	**3.51**	**4.36**	**3.08**
	Indian River	0.67	1.12	1.41	2.08	2.51	1.78
	Northern & Central	2.26	2.25	3.16	3.98	5.71	3.66
	Western	1.34	1.55	2.88	3.93	4.64	3.42
	Southern	1.05	1.86	2.48	2.97	3.57	2.57

[1/] Average weighted by bearing trees.

[2/] Hurricane Charlie affected production in the central and western growing areas. Hurricanes Jeanne and Francis affected production in all areas except the southern area.

[3/] Hurricane Wilma affected production in the Indian River and southern area.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 2001-02 through 2005-06

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	
		Boxes per tree					
LATE (VALENCIA) ORANGES:							
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
2004-05 [2/]	**State**	**1.1**	**1.2**	**1.7**	**2.0**	**2.1**	**1.74**
	Indian River	0.4	0.4	0.6	1.1	0.8	0.78
	Northern & Central	1.8	1.6	1.9	2.5	2.6	2.14
	Western	1.3	1.3	1.8	1.7	2.3	1.68
	Southern	0.8	1.1	1.7	2.2	2.2	1.79
2005-06 [3/]	**State**	**0.8**	**1.8**	**1.8**	**2.1**	**3.0**	**1.96**
	Indian River	0.2	0.3	0.6	1.3	0.9	0.87
	Northern & Central	0.7	2.0	2.6	3.0	4.0	2.72
	Western	2.4	2.4	2.4	2.7	4.5	2.82
	Southern	0.3	1.3	1.4	1.4	1.5	1.32
Average	**State**	**1.11**	**1.66**	**2.10**	**2.42**	**3.82**	**2.25**
	Indian River	0.67	0.91	1.35	1.65	2.12	1.44
	Northern & Central	1.21	1.79	2.36	3.19	4.82	2.76
	Western	1.60	2.16	2.69	2.67	4.11	2.69
	Southern	0.81	1.48	1.92	2.09	3.28	1.92

[1/] Average weighted by bearing trees.

[2/] Hurricane Charlie affected production in the central and western growing areas. Hurricanes Jeanne and Francis affected production in all areas except the southern area.

[3/] Hurricane Wilma affected production in the Indian River and southern area.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 2001-02 through 2005-06

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	
		Boxes per tree					
WHITE GRAPEFRUIT :							
2001-02	**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	4.64
2002-03	**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	**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
2004-05 [2/]	**State**	**1.0**	**0.8**	**1.1**	**1.4**	**1.3**	**1.25**
	Indian River	0.6	0.6	0.6	0.4	0.8	0.61
	Northern & Central	3.7	1.9	3.7	3.7	3.7	3.63
	Western	--	--	2.1	2.2	1.7	1.96
	Southern	2.7	3.3	1.1	4.3	2.2	2.54
2005-06 [3/]	**State**	**1.9**	**2.5**	**3.0**	**2.3**	**3.8**	**2.94**
	Indian River	1.0	1.5	2.5	1.9	2.8	2.20
	Northern & Central	7.9	7.8	9.1	5.7	11.9	8.21
	Western	4.8	--	3.7	3.6	7.4	5.46
	Southern	1.2	4.8	1.8	1.0	0.9	1.22
Average	**State**	**1.63**	**2.83**	**3.10**	**3.29**	**5.00**	**3.75**
	Indian River	1.16	2.43	2.99	2.18	4.55	3.28
	Northern & Central	5.10	4.75	4.39	6.86	9.48	6.76
	Western	4.14	4.23	1.91	3.48	4.94	4.05
	Southern	3.21	4.50	2.80	3.34	4.12	3.50

[1/] Average weighted by bearing trees.

[2/] Hurricane Charlie affected production in the central and western growing areas. Hurricanes Jeanne and Francis affected production in all areas except the southern area.

[3/] Hurricane Wilma affected production in the Indian River and southern area.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 2001-02 through 2005-06

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	
		Boxes per tree					
COLORED GRAPEFRUIT:							
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
2004-05 [2/]	**State**	**0.8**	**2.0**	**2.2**	**1.9**	**1.5**	**1.85**
	Indian River	0.9	1.8	0.9	1.0	1.2	1.04
	Northern & Central	0.9	2.3	3.5	3.1	1.9	3.07
	Western	1.1	1.0	0.9	0.9	3.4	1.16
	Southern	0.6	2.5	3.3	7.1	9.1	4.34
2005-06 [3/]	**State**	**0.3**	**1.2**	**2.9**	**3.1**	**3.8**	**2.96**
	Indian River	0.1	1.4	2.4	2.7	3.4	2.62
	Northern & Central	1.6	3.0	7.5	6.9	12.5	7.32
	Western	2.1	1.5	0.8	2.6	2.1	2.03
	Southern	0.2	0.5	1.9	2.1	4.3	1.89
Average	**State**	**1.48**	**2.20**	**3.27**	**3.59**	**4.40**	**3.46**
	Indian River	1.02	2.00	2.69	3.20	4.09	3.11
	Northern & Central	2.06	3.15	4.60	5.88	7.96	5.24
	Western	1.90	1.98	3.06	2.52	6.93	3.14
	Southern	2.55	2.64	3.83	4.35	6.05	3.93

[1/] Average weighted by bearing trees.

[2/] Hurricane Charlie affected production in the central and western growing areas. Hurricanes Jeanne and Francis affected production in all areas except the southern area.

[3/] Hurricane Wilma affected production in the Indian River and southern area.

FLORIDA CITRUS PRICES: Season average on-tree prices and equivalent returns per box received by growers, by varieties and utilization from crop years 2003-04, 2004-05, and 2005-06 [1/]

Fruit type by season	Methods of sale		
	Fresh	Processing	All
	Dollars per box		
ORANGES			
Navel			
2003-04	6.45	-1.49	4.26
2004-05	12.30	-1.28	9.68
2005-06	7.70	-0.59	5.65
Early-Midseason (excluding Navel)			
2003-04	2.45	2.11	2.12
2004-05	3.60	2.55	2.58
2005-06	4.00	4.46	4.45
Early-Midseason-Navel			
2003-04	4.65	2.09	2.20
2004-05	7.60	2.54	2.82
2005-06	6.20	4.41	4.53
Valencia			
2003-04	2.85	3.67	3.64
2004-05	5.80	4.17	4.24
2005-06	5.00	6.47	6.42
All Oranges			
2003-04	3.87	2.85	2.89
2004-05	6.87	3.31	3.49
2005-06	5.80	5.44	5.46
TEMPLES			
2003-04	3.65	0.24	1.07
2004-05	4.05	1.72	2.48
2005-06	6.60	1.70	3.16
TANGELOS			
2003-04	13.85	-0.14	7.48
2004-05	6.45	0.57	2.45
2005-06	12.50	0.79	5.37

Fruit type by season	Methods of sale		
	Fresh	Processing	All
	Dollars per box		
GRAPEFRUIT			
White			
2003-04	7.50	0.50	1.94
2004-05	21.32	5.73	11.93
2005-06	16.09	7.28	9.22
Colored			
2003-04	7.27	0.70	4.22
2004-05	19.11	4.76	14.02
2005-06	13.40	5.56	8.92
All Grapefruit			
2003-04	7.32	0.60	3.33
2004-05	19.51	5.13	13.47
2005-06	13.96	6.26	9.02
TANGERINES			
Early [2/]			
2003-04	10.50	-1.61	6.15
2004-05	14.00	-0.96	10.12
2005-06	15.70	-0.42	10.40
Honey			
2003-04	12.70	-0.67	9.16
2004-05	18.20	2.73	14.36
2005-06	11.30	3.39	8.45
All Tangerines			
2003-04	11.50	-1.26	7.46
2004-05	15.90	0.66	12.02
2005-06	13.60	1.50	9.44

[1/] 2003-04 and 2004-05 revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2005-06 preliminary price based on cash sales only.

[2/] Fallglo and Sunburst.

FLORIDA BEARING TREES: Estimated trees of bearing age by age group, year set, and type, for the 2005-06 season

Fruit type	Age 1 2000-02	Age 2 1997-99	Age 3 1992-96	Age 4 1982-91	Age 5 1981 and earlier	Total bearing trees
			1,000 trees			
Early-midseason-Navel Oranges	3,064	2,496	4,820	14,434	3,970	28,784
Valencia Oranges	3,604	4,674	7,315	17,400	4,177	37,170
White Grapefruit	121	109	422	812	750	2,214
Colored Grapefruit	291	157	867	2,103	911	4,329