



CITRUS

MATURITY TEST RESULTS

September 11, 2003

Results of the first orange and grapefruit maturity tests for the 2003-04 season are listed below. Samples of various ages throughout the five areas of the citrus growing region were picked September 2-3, 2003. Fruit was weighed, juiced, and tested in the Orlando laboratory September 4-5. Only regular bloom fruit is selected for testing. Three-fourths of the white and colored grapefruit sample groves are located in the Indian River District while nearly 90 percent of the early-midseason orange sample groves are in the other four areas. Sample groves and pivot trees remain relatively constant from season to season.

With the exception of midseason oranges, acid levels are lower than any in the series which began in 1997-98. Soluble solids for early oranges and white grapefruit are also at record low levels for this time of the season. Juice per box is the highest in the series for white grapefruit. Although pounds of juice are lower for colored grapefruit and midseason oranges, both values are above the average of the preceding seasons shown in this report.

The table on page two reports averages for the Indian River District separately from those for the other areas of the state.

MATURITY AND YIELD TEST RESULTS: Unadjusted averages for regular bloom fruit from sample groves for crop years 1999-00 through 2003-04

Type of fruit crop year	Sample groves	Acid	Soluble solids	Ratio	Juice per box	Solids per box
	Number	Percent				Pounds
Early Oranges						
September 1						
1999-00	120	1.73	9.35	5.53	41.09	3.83
2000-01	120	1.63	9.78	6.11	42.44	4.14
2001-02	120	1.37	9.64	7.22	43.16	4.16
2002-03	120	1.29	9.41	7.46	45.30	4.26
2003-04	120	1.21	9.34	7.85	42.64	3.98
Midseason Oranges						
September 1						
1999-00	55	1.99	9.13	4.69	39.47	3.60
2000-01	55	1.77	9.32	5.35	44.22	4.13
2001-02	55	1.58	9.37	6.03	42.87	4.02
2002-03	55	1.42	9.03	6.46	45.90	4.14
2003-04	55	1.43	9.35	6.63	44.12	4.13
White Seedless Grapefruit						
September 1						
1999-00	50	1.83	10.24	5.61	29.15	2.97
2000-01	50	1.82	10.14	5.58	32.47	3.29
2001-02	50	1.65	9.80	5.95	33.93	3.32
2002-03	49	1.56	9.69	6.24	34.63	3.36
2003-04	50	1.55	9.53	6.18	34.78	3.31
Colored Seedless Grapefruit						
September 1						
1999-00	50	1.75	10.07	5.79	29.02	2.92
2000-01	50	1.76	10.36	5.91	33.45	3.47
2001-02	50	1.64	10.03	6.13	34.68	3.48
2002-03	50	1.54	10.14	6.63	36.12	3.66
2003-04	50	1.49	9.79	6.58	34.84	3.41

MATURITY TEST RESULTS: Averages by areas, 2003-04 season, September 1, 2003

Fruit type	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	Number	Percent	Percent		Pounds	Pounds
ORANGES:						
Early						
Indian River Dist.	9	1.21	9.52	7.88	44.39	4.23
Other Areas	111	1.20	9.32	7.85	42.50	3.96
Midseason						
Indian River Dist.	10	1.46	9.31	6.41	43.96	4.09
Other Areas	45	1.42	9.36	6.68	44.15	4.14
GRAPEFRUIT:						
White Seedless						
Indian River Dist.	38	1.57	9.58	6.13	34.71	3.32
Other Areas	12	1.49	9.39	6.35	34.99	3.30
Colored Seedless						
Indian River Dist.	38	1.51	9.81	6.49	35.29	3.46
Other Areas	12	1.43	9.75	6.85	33.43	3.26