CITRUS MATURITY TEST RESULTS

September 11, 2009

Results of the first orange and grapefruit maturity tests for the 2009-10 season are listed below. Only regular bloom fruit was selected for these tests. Fruit was picked from trees of various ages throughout the five areas of the citrus growing region on September 1-2, 2009. Each sample was weighed, juiced, and tested in the Florida Agricultural Statistics Service (FASS) laboratory on September 3-4, 2009.

Over 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 trees remain relatively constant from season to season.

The percent of solids (Brix) is at or above the level of 2008-09 for each fruit type. Acid levels are higher than observed last season resulting in ratios that are lower for oranges and grapefruit.

Juice per box is lower for both orange types and colored seedless grapefruit but higher for the white seedless grapefruit. Solids per box is greater for white seedless grapefruit but less for early and midseason oranges and colored seedless grapefruit.

Results on this page are averages for the State. The table on page two reports averages for the Indian River District separately from the other areas. The next monthly maturity and yield test results will be in the forecast release on October 9, 2009 and will include late oranges.

MATURITY AND YIELD TEST RESULTS: Unadjusted averages for regular bloom fruit from sample groves for crop years 2005-06 through 2009-10

Fruit type Crop year	Groves sampled	Acid	Solids (Brix)	Ratio	Juice per box	Solids per box
	Number	*Percent*	*Percent*		*Pounds*	*Pounds*
Early Oranges						
September 1						
2005-06	120	1.81	9.31	5.20	39.25	3.65
2006-07	120	1.70	9.45	5.66	42.50	4.00
2007-08	120	1.75	9.45	5.51	40.93	3.86
2008-09	120	1.45	9.25	6.51	46.91	4.34
2009-10	120	1.54	9.25	6.11	42.04	3.89
Midseason Oranges						
September 1						
2005-06	55	1.98	9.10	4.66	39.48	3.59
2006-07	55	1.81	9.29	5.25	42.81	3.98
2007-08	55	1.99	9.63	4.91	41.52	4.00
2008-09	55	1.66	9.00	5.49	45.09	4.06
2009-10	55	1.72	9.23	5.45	42.79	3.95
White Seedless Grapefruit						
September 1						
2005-06	50	1.77	9.91	5.61	29.61	2.93
2006-07	50	1.86	10.47	5.63	32.12	3.36
2007-08	50	1.94	10.17	5.30	30.64	3.11
2008-09	50	1.70	9.53	5.61	30.94	2.95
2009-10	50	1.75	9.79	5.60	31.48	3.08
Colored Seedless Grapefruit						
September 1						
2005-06	50	1.77	10.13	5.73	30.39	3.08
2006-07	50	1.85	10.43	5.64	32.04	3.33
2007-08	50	1.96	10.53	5.39	30.51	3.21
2008-09	50	1.70	9.79	5.80	32.52	3.18
2009-10	50	1.75	10.06	5.78	31.49	3.17

MATURITY TEST RESULTS: Averages by areas, 2009-10 season, September 1, 2009

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	1.56	9.33	6.13	40.47	3.78
Other Areas	111	1.54	9.25	6.11	42.16	3.90
MIDSEASON						
Indian River Dist.	11	1.84	9.36	5.17	39.40	3.69
Other Areas	44	1.69	9.19	5.52	43.64	4.01
GRAPEFRUIT:						
WHITE SEEDLESS						
Indian River Dist.	38	1.77	9.94	5.62	30.82	3.06
Other Areas	12	1.70	9.33	5.53	33.56	3.13
COLORED SEEDLESS						
Indian River Dist.	40	1.75	10.16	5.83	31.45	3.20
Other Areas	10	1.73	9.68	5.60	31.65	3.05

NOTICE: All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8-inch orifice tube. The beam settings are also identical to past tests and no restrictors are used.

FLORIDA COMMERCIAL CITRUS
PRODUCTION AREAS