



CITRUS MATURITY TEST RESULTS

Cooperating with the Florida Department of Agriculture & Consumer Services
2290 Lucien Way, Suite 300, Maitland, FL 32751
(407) 648-6013 · (407) 648-6029 FAX · www.nass.usda.gov/fl

September 12, 2011

Results of the first orange and grapefruit maturity tests for the 2011-2012 season, using only regular bloom fruit, are listed below. Fruit was picked from trees throughout the five areas of the citrus growing region on August 30-31, 2011. Each sample was weighed, juiced, and tested in the Florida Agricultural Statistics Service (FASS) laboratory on September 1-2, 2011.

Over three-fourths of the grapefruit sample groves are located in the Indian River District while nearly 90 percent of the 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 above the level of 2010-2011 for both oranges types and below for both grapefruit varieties. Acid levels are lower than last season, resulting in higher ratios for all fruit types.

The unfinished juice per box and solids per box are higher across all fruit types.

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 percent of acid and solids is higher in fruit from the Indian River District while the ratios are higher in other areas. The next monthly maturity and yield test results will be in the forecast release on October 12, 2011, and will include late oranges.

Citrus Unadjusted Maturity Tests by Type, September 1 – Florida: Crop Years 2007-2008 through 2011-2012

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a 0.040 short strainer and standard 5/8 inch orifice tube. The beam settings are also identical to past tests and no restrictors are used]

Crop year	Groves sampled (number)	Acid (percent)	Solids (Brix) (percent)	Ratio	Unfinished juice per box (pounds)	Solids per box (pounds)
Early Oranges						
2007-2008.....	120	1.75	9.45	5.51	40.93	3.86
2008-2009.....	120	1.45	9.25	6.51	46.91	4.34
2009-2010.....	120	1.54	9.25	6.11	42.04	3.89
2010-2011.....	120	1.67	9.19	5.55	41.62	3.82
2011-2012.....	120	1.38	9.58	7.02	44.96	4.31
Midseason Oranges						
2007-2008.....	55	1.99	9.63	4.91	41.52	4.00
2008-2009.....	55	1.66	9.00	5.49	45.09	4.06
2009-2010.....	55	1.72	9.23	5.45	42.79	3.95
2010-2011.....	55	1.99	9.34	4.91	40.86	3.81
2011-2012.....	55	1.54	9.38	6.21	45.85	4.30
White Seedless Grapefruit						
2007-2008.....	50	1.94	10.17	5.30	30.64	3.11
2008-2009.....	50	1.70	9.53	5.61	30.94	2.95
2009-2010.....	50	1.75	9.79	5.60	31.48	3.08
2010-2011.....	50	1.88	10.19	5.45	31.82	3.24
2011-2012.....	50	1.64	10.17	6.27	33.91	3.45
Colored Seedless Grapefruit						
2007-2008.....	50	1.96	10.53	5.39	30.51	3.21
2008-2009.....	50	1.70	9.79	5.80	32.52	3.18
2009-2010.....	50	1.75	10.06	5.78	31.49	3.17
2010-2011.....	50	1.82	10.33	5.80	31.99	3.30
2011-2012.....	50	1.62	10.17	6.29	35.68	3.63

Citrus Fruit Maturity Test Averages, by Area – Florida: September 1, 2011

Fruit type	Groves sampled (number)	Acid (percent)	Solids (Brix) (percent)	Ratio	Unfinished juice per box (pounds)	Solids per box (pounds)
ORANGES:						
Early						
Indian River.....	9	1.50	9.94	6.68	41.93	4.17
Other Areas.....	111	1.37	9.55	7.05	45.20	4.32
Midseason						
Indian River.....	11	1.64	9.48	5.90	45.20	4.28
Other Areas.....	44	1.51	9.35	6.28	46.02	4.30
GRAPEFRUIT:						
White Seedless						
Indian River.....	38	1.65	10.27	6.26	33.29	3.42
Other Areas.....	12	1.58	9.88	6.27	35.88	3.54
Colored Seedless						
Indian River.....	40	1.64	10.25	6.27	36.19	3.71
Other Areas.....	10	1.55	9.84	6.37	33.65	3.31

