United States Department of Agriculture
National Agricultural Statistics Service

CITRUS MATURITY TEST RESULTS

Cooperating with the Florida Department of Agriculture and Consumer Services
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Results of the first orange and grapefruit maturity tests for the 2015-2016 season, using only regular bloom fruit, are listed below. Over three-fourths of the grapefruit sample groves are located in the Indian River District, while over 90 percent of the orange sample groves are in the other four production areas. Sample groves and trees remain relatively constant from season to season. Fruit was picked from trees throughout the five production areas of the citrus growing region on September 1-2, 2015. Each sample was weighed, juiced, and tested in the Florida Agricultural Statistics Service (FASS) laboratory on September 3-4, 2015. The next monthly maturity and yield test results will be published in the October 9, 2015 forecast release, and will include late oranges.

Compared to the 2014-2015 season, the solids to acid ratio is higher on all varieties except white grapefruit. Unfinished juice per box is higher on all varieties, while solids per box is higher only on oranges.

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 solids to acid ratio is higher for all varieties in other areas than in fruit in the Indian River District. Unfinished juice per box and solids per box are also higher in all cases for fruit in other areas compared to fruit in the Indian River District.

Citrus Unadjusted Maturity Tests by Type – Florida: September 1, For Crop Years 2011-2012 through 2015-2016

[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]

Fruit Type and Crop Year	Groves sampled	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
Early Oranges						
2011-2012	120	1.38	9.58	7.02	44.96	4.31
2012-2013	120	1.24	9.38	7.70	46.39	4.35
2013-2014	120	1.47	9.24	6.42	42.34	3.91
2014-2015	120	1.38	9.12	6.69	43.72	3.98
2015-2016	120	1.26	9.14	7.33	44.82	4.09
Midseason Oranges						
2011-2012	55	1.54	9.38	6.21	45.85	4.30
2012-2013	55	1.41	9.35	6.77	45.84	4.28
2013-2014	55	1.69	9.26	5.59	43.30	4.01
2014-2015	55	1.53	9.10	6.05	44.18	4.02
2015-2016	55	1.42	9.08	6.51	45.82	4.16
White Seedless Grapefruit						
2011-2012	50	1.64	10.17	6.27	33.91	3.45
2012-2013	50	1.52	9.91	6.52	35.04	3.47
2013-2014	50	1.78	10.08	5.70	31.55	3.17
2014-2015	50	1.64	9.97	6.11	34.69	3.46
2015-2016	50	1.65	9.74	5.91	35.06	3.41
Colored Seedless Grapefruit						
2011-2012	50	1.62	10.17	6.29	35.68	3.63
2012-2013	50	1.52	10.15	6.70	35.51	3.61
2013-2014	50	1.70	9.99	5.91	33.05	3.30
2014-2015	50	1.63	9.92	6.10	34.79	3.45
2015-2016	50	1.58	9.77	6.20	35.37	3.45

Citrus Fruit Maturity Test Averages, by Area – Florida: September 1, 2015

Fruit type and Area	Groves sampled	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
ORANGES:						
Early						
Indian River	9	1.29	9.19	7.14	40.63	3.74
Other Areas	111	1.26	9.13	7.35	45.16	4.12
Midseason						
Indian River	8	1.50	9.21	6.27	44.80	4.12
Other Areas	47	1.41	9.05	6.56	46.00	4.16
GRAPEFRUIT:						
White Seedless						
Indian River	38	1.68	9.89	5.90	34.42	3.40
Other Areas	12	1.57	9.26	5.93	37.06	3.43
Colored Seedless						
Indian River	40	1.60	9.78	6.14	35.32	3.45
Other Areas	10	1.53	9.72	6.41	35.58	3.46