



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 2016-2017 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 August 30-31, 2016. Each sample was weighed, juiced, and tested in the Florida Agricultural Statistics Service (FASS) laboratory on September 1-2, 2016. The next monthly maturity and yield test results will be published in the October 12, 2016 forecast release, and will include late oranges.

Compared to the 2015-2016 season, the solids to acid ratio is lower on all varieties. Unfinished juice per box and solids per box is also lower this season on all varieties.

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. Compared to the other areas, fruit sampled from the Indian River District had lower solids to acid ratios for early oranges and red grapefruit. The unfinished juice per box from the Indian River District samples is lower for all varieties except red grapefruit, while the solids per box are higher for the grapefruit varieties.

Citrus Unadjusted Maturity Tests by Type – Florida: September 1, For Crop Years 2012-2013 through 2016-2017

[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 (number)	Acid (percent)	Solids (Brix) (percent)	Solids/Acid (ratio)	Unfinished juice per box (pounds)	Solids per box (pounds)
Early Oranges						
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
2016-2017	120	1.39	9.26	6.79	41.39	3.83
Midseason Oranges						
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
2016-2017	55	1.55	9.19	5.99	41.67	3.83
White Seedless Grapefruit						
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
2016-2017	50	1.78	10.24	5.77	31.92	3.26
Red Seedless Grapefruit						
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
2016-2017	50	1.70	10.17	6.02	33.17	3.37

Citrus Fruit Maturity Test Averages, by Area – Florida: September 1, 2016

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	1.46	9.51	6.57	39.06	3.71
Other areas	111	1.38	9.24	6.81	41.58	3.84
Midseason						
Indian River	4	(D)	(D)	(D)	(D)	(D)
Other areas	51	1.55	9.17	5.98	41.87	3.84
GRAPEFRUIT:						
White Seedless						
Indian River	38	1.80	10.41	5.80	31.49	3.28
Other areas	12	1.71	9.70	5.69	33.28	3.21
Red Seedless						
Indian River	40	1.72	10.21	5.96	33.28	3.39
Other areas	10	1.61	10.03	6.25	32.76	3.29

D Withheld to avoid disclosing data for individual operations.

