



# CITRUS MATURITY TEST RESULTS

Cooperating with the Florida Department of Agriculture and Consumer Services  
2290 Lucien Way, Suite 300, Maitland, FL 32751-7058  
(407) 648-6013 · (855) 271-9801 FAX · www.nass.usda.gov/fl

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Results of the first orange and grapefruit maturity tests for the 2017-2018 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 29-30, 2017. Each sample was weighed, juiced, and tested by the Florida Agricultural Statistics Service (FASS) on August 31 and September 1, 2017. The next monthly maturity and yield test results will be published in the October 12, 2017 forecast release, and will include late 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. 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 oranges and grapefruit, while the solids per box is lower for oranges and red grapefruit.

## Citrus Unadjusted Maturity Tests by Type – Florida: September 1, For Crop Years 2013-2014 through 2017-2018

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. For 2013-2014 through 2016-2017 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 on all cups. For 2017-2018, samples were run through an FMC-091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups]

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)
<b>Early Oranges</b>						
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
2017-2018 .....	117	1.17	9.10	7.96	43.84	3.99
<b>Midseason Oranges</b>						
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
2017-2018 .....	55	1.27	8.97	7.22	44.70	4.01
<b>White Seedless Grapefruit</b>						
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
2017-2018 .....	48	1.53	9.75	6.39	37.19	3.63
<b>Red Seedless Grapefruit</b>						
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
2017-2018 .....	49	1.43	9.83	6.89	37.09	3.65

**Citrus Fruit Maturity Test Averages, by Area – Florida: September 1, 2017**

Fruit type and Area	Groves sampled	Acid	Solids (Brix)	Solids/Acid	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(ratio)	(pounds)	(pounds)
<b>ORANGES:</b>						
<b>Early</b>						
Indian River .....	9	1.19	9.20	7.79	42.54	3.92
Other areas .....	108	1.16	9.09	7.98	43.94	3.99
<b>Midseason</b>						
Indian River .....	2	(D)	(D)	(D)	(D)	(D)
Other areas .....	53	1.27	8.96	7.23	44.92	4.03
<b>GRAPEFRUIT:</b>						
<b>White Seedless</b>						
Indian River .....	37	1.54	9.91	6.45	37.10	3.67
Other areas .....	11	1.50	9.23	6.18	37.48	3.46
<b>Red Seedless</b>						
Indian River .....	40	1.44	9.82	6.85	36.45	3.58
Other areas .....	9	1.40	9.87	7.07	39.96	3.94

D Withheld to avoid disclosing data for individual operations.

