



CITRUS MATURITY TEST RESULTS

Cooperating with the Florida Department of Agriculture and Consumer Services
851 Trafalgar Ct. Suite 310E, Maitland, FL 32751-4132
(407) 648-6013 · (855) 271-9801 FAX · www.nass.usda.gov/fl

September 12, 2022

Results of the first orange and grapefruit maturity tests for the 2022-2023 season, using only regular bloom fruit, are listed below. Sample groves and trees remain relatively constant from season to season. Fruit was picked from trees throughout the citrus growing region on August 29-30, 2022. Each sample was weighed, juiced, and tested by the Florida Agricultural Statistics Service (FASS) on August 31, 2022, and September 1, 2022. The next monthly maturity and yield test results will be published in the October 12, 2022 forecast release, and will include late (Valencia) oranges.

Results on this table are averages for the state.

Citrus Unadjusted Maturity Tests by Type – Florida: September 1, For Crop Years 2018-2019 through 2022-2023

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. 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)
Early Non-Valencia Oranges						
2018-2019	120	1.19	8.84	7.51	43.68	3.86
2019-2020	120	1.21	9.06	7.58	45.11	4.09
2020-2021	120	1.21	9.82	7.42	44.44	3.91
2021-2022	120	1.16	9.10	7.92	43.73	3.98
2022-2023	120	1.25	9.13	7.37	43.31	3.95
Midseason Non-Valencia Oranges						
2018-2019	55	1.32	8.93	6.84	44.64	3.99
2019-2020	55	1.37	9.04	6.71	45.55	4.12
2020-2021	55	1.26	8.57	6.91	45.27	3.88
2021-2022	54	1.32	8.74	6.78	44.96	3.93
2022-2023	55	1.36	8.88	6.57	43.36	3.85
Red Seedless Grapefruit						
2018-2019	50	1.44	9.72	6.79	36.75	3.58
2019-2020	50	1.53	10.10	6.63	39.41	3.98
2020-2021	50	1.46	9.89	6.80	38.64	3.82
2021-2022	50	1.42	9.70	6.86	38.88	3.77
2022-2023	50	1.53	10.44	6.86	39.09	4.08
White Seedless Grapefruit						
2018-2019	50	1.53	9.84	6.45	36.37	3.58
2019-2020	50	1.63	10.32	6.36	38.92	4.02
2020-2021	49	1.46	9.99	6.88	39.06	3.90
2021-2022	50	1.55	9.98	6.44	39.04	3.89
2022-2023	50	1.64	10.57	6.49	40.41	4.27