



CITRUS MATURITY TEST RESULTS

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Results of the first orange and grapefruit maturity tests for the 2024-2025 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 September 3-4, 2024. Each sample was weighed, juiced, and tested by the Florida Agricultural Statistics Service (FASS) on September 5-6, 2024. The next monthly maturity and yield test results will be published in the October 11, 2024 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 2020-2021 through 2024-2025

[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 with 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						
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
2023-2024	120	1.07	9.64	9.15	45.60	4.40
2024-2025	120	1.17	8.95	7.76	44.16	3.95
Midseason Non-Valencia Oranges						
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
2023-2024	54	1.20	9.18	7.73	43.61	4.00
2024-2025	55	1.46	8.77	6.09	44.81	3.93
Red Seedless Grapefruit						
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
2023-2024	50	1.49	10.86	7.33	40.08	4.35
2024-2025	50	1.56	9.52	6.14	37.29	3.55
White Seedless Grapefruit						
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
2023-2024	50	1.65	10.93	6.67	39.25	4.28
2024-2025	50	1.60	9.43	5.93	37.85	3.58