



CITRUS NOVEMBER FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

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November 9, 2022

Florida All Orange Production 28.0 Million Boxes
Florida Non-Valencia Orange Production 11.0 Million Boxes
Florida Valencia Orange Production 17.0 Million Boxes
Florida All Grapefruit Production 2.00 Million Boxes
Florida All Tangerine and Tangelo Production 700,000 Boxes

FORECAST DATES – 2022-2023 SEASON	
December 9, 2022	April 11, 2023
January 12, 2023	May 12, 2023
February 8, 2023	June 9, 2023
March 8, 2023	July 12, 2023

Citrus Production by Type – States and United States

Crop and State	Production ¹			Forecasted Production ^{1 2}
	2019-2020 (1,000 boxes)	2020-2021 (1,000 boxes)	2021-2022 (1,000 boxes)	2022-2023 (1,000 boxes)
Non-Valencia Oranges ³				
Florida	29,650	22,700	18,250	11,000
California.....	43,300	41,300	31,800	38,000
Texas.....	1,150	1,000	170	900
United States.....	74,100	65,000	50,220	49,900
Valencia Oranges				
Florida	37,750	30,250	22,800	17,000
California.....	10,800	7,700	8,600	9,100
Texas.....	190	50	30	250
United States.....	48,740	38,000	31,430	26,350
All Oranges				
Florida	67,400	52,950	41,050	28,000
California.....	54,100	49,000	40,400	47,100
Texas.....	1,340	1,050	200	1,150
United States.....	122,840	103,000	81,650	76,250
Grapefruit				
Florida-All	4,850	4,100	3,330	2,000
Red	4,060	3,480	2,830	1,800
White	790	620	500	200
California ⁴	4,700	4,200	4,100	4,100
Texas.....	4,400	2,400	1,700	2,000
United States.....	13,950	10,700	9,130	8,100
Lemons				
Arizona.....	1,800	750	950	1,150
California.....	25,300	20,100	24,900	23,000
United States.....	27,100	20,850	25,850	24,150
Tangerines and Tangelos				
Florida	1,020	890	750	700
California.....	22,400	28,800	17,400	20,000
United States.....	23,420	29,690	18,150	20,700

¹ Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California and Texas-80, Florida-85; lemons-80; tangerines and mandarins in California-80, Florida-95.

² Estimates carried forward from October.

³ Early non-Valencia (including Navel) and midseason non-Valencia varieties in Florida; Navel and miscellaneous varieties in California; Early and mid-season varieties in Texas.

⁴ Includes pummelos in California.

All Oranges 28.0 Million Boxes

The 2022-2023 Florida all orange forecast released today by the USDA Agricultural Statistics Board is carried forward from October at 28.0 million boxes, down 32 percent from last season's final production. The total includes 11.0 million boxes of non-Valencia oranges (early, midseason, and Navel varieties) and 17.0 million boxes of Valencia oranges. The Navel orange forecast, at 300,000 boxes, accounts for 3 percent of the non-Valencia total. The estimated number of bearing trees for all oranges is 44.0 million.

All Grapefruit 2.00 Million Boxes

The forecast of all grapefruit production is carried forward at 2.00 million boxes, 40 percent less than last season's utilization of 3.33 million boxes. The total is comprised of 1.80 million boxes of red grapefruit and 200,000 boxes of white grapefruit.

Tangerines and Tangelos Total 700,000 Boxes

The forecast for tangerine and tangelos is carried forward at 700,000 boxes, 7 percent less than last season's utilization of 750,000 boxes. This forecast number includes all certified tangerine and tangelo varieties

Weather and Field Conditions

On September 28th, 2022, **Hurricane Ian** made its first U.S. landfall along the southwestern coast of Florida as a **Category 4** storm. The storm traveled directly over four of the five largest citrus producing counties (Desoto, Highlands, Hardee and Polk), at hurricane strength. The entire citrus area was inundated with heavy winds and excessive rainfall as it made its northeastward movement over the state. Normal grove operations were temporarily halted in all areas. Typical farm work was set back for two to three weeks in some locations, while in less affected areas after two to three days, the usual agricultural processes resumed, to include spraying, mowing, and general grove maintenance. The remainder of the month of October was relatively dry. Except for a couple southern counties, most recording stations showed less than two inches of rainfall for the month.

Crop Progress

The crop season began with harvesting of Navel and Hamlin oranges, red grapefruit, and Fallglo and Early Pride tangerines, primarily for the fresh market. According to the Citrus Administrative Committee Utilization Report, dated October 23, 2022, less than 1 percent of early and midseason oranges (excluding Navels), 7 percent of Navel oranges, 1 percent of all grapefruit, and 2 percent of tangerines and tangelos have been certified.

Maturity

Regular bloom fruit samples (325 orange and 98 grapefruit) were collected from groves on established routes across Florida's citrus region and tested by the Florida Agricultural Statistics Service (FASS) on October 26-28, 2022.

Unadjusted Maturity Tests – Florida: 2021-2022 and 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 (number of groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2021-2022	2022-2023	2021-2022	2022-2023	2021-2022	2022-2023	2021-2022	2022-2023	2021-2022	2022-2023
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Early N-V (119-120)										
Sep 1	1.16	1.25	9.11	9.13	7.92	7.37	43.76	43.31	3.99	3.95
Oct 1	0.90	0.91	8.99	9.15	10.06	10.25	48.01	46.80	4.32	4.28
Nov 1	0.72	0.76	9.53	9.16	13.43	12.20	50.19	49.70	4.78	4.55
Midseason N-V (53-55)										
Sep 1	1.32	1.36	8.75	8.88	6.78	6.57	44.87	43.36	3.93	3.85
Oct 1	1.02	0.99	8.80	8.94	8.76	9.15	48.72	47.63	4.29	4.26
Nov 1	0.80	0.82	9.20	8.86	11.67	10.87	50.36	50.07	4.63	4.44
Valencia (150-150)										
Sep 1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1	2.00	1.94	8.66	8.95	4.37	4.66	46.41	46.80	4.02	4.19
Nov 1	1.57	1.62	9.07	8.90	5.88	5.58	48.98	49.66	4.44	4.42
GRAPEFRUIT										
Red Seedless (50-48)										
Sep 1	1.42	1.54	9.70	10.46	6.86	6.84	38.88	39.12	3.77	4.09
Oct 1	1.35	1.38	9.92	10.01	7.37	7.31	44.92	46.01	4.46	4.61
Nov 1	1.19	1.27	9.67	9.86	8.14	7.83	48.67	49.68	4.71	4.90
White Seedless (50-50)										
Sep 1	1.55	1.64	9.98	10.57	6.44	6.49	39.04	40.41	3.89	4.27
Oct 1	1.36	1.50	9.97	10.19	7.34	6.83	46.36	46.82	4.62	4.76
Nov 1	1.30	1.32	10.20	9.95	7.86	7.59	48.87	50.78	4.98	5.05

NA Not available.

Size Frequency Measurement Distributions, by Type – Florida: October

[Size frequency distributions from the October size survey are shown in the following table. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions include fruit from regular bloom and exclude fruit from summer bloom]

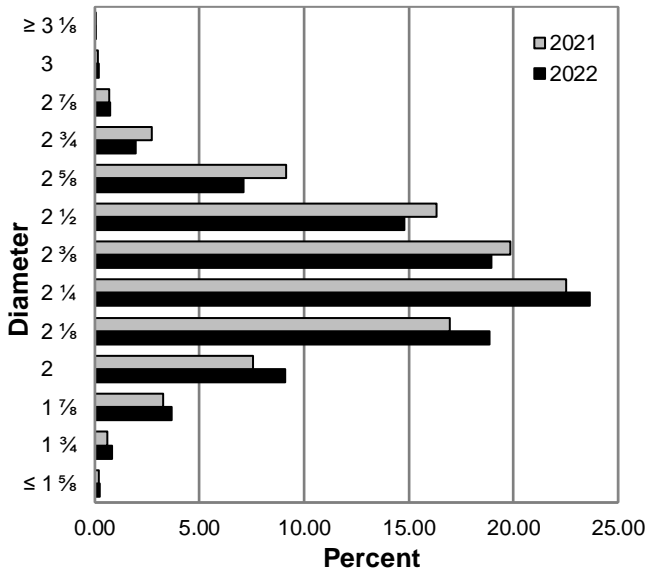
Type and number of fruit per 4/5-bushel containers	2020	2021	2022	Type and number of fruit per 4/5-bushel containers	2020	2021	2022
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
NON-VALENCIA ORANGES ¹				RED GRAPEFRUIT			
64 or less.....	0.3	0.0	0.1	32 or less.....	3.0	0.4	0.2
80.....	2.6	0.4	0.4	36.....	6.0	3.1	1.5
100.....	14.9	6.0	4.5	40.....	12.1	7.5	4.6
125.....	32.2	22.7	19.8	48.....	16.0	14.5	10.0
163 or more.....	50.0	70.9	75.2	56.....	15.5	17.0	15.6
				63 or more.....	47.4	57.5	68.1
NAVEL ORANGES				WHITE GRAPEFRUIT ²			
64 or less.....	55.5	34.1	44.1	32 or less.....	0.2	0.9	0.0
80.....	24.9	32.5	30.4	36.....	2.7	6.5	2.0
100.....	13.7	23.7	17.3	40.....	10.9	14.1	8.5
125.....	3.8	7.6	6.7	48.....	17.8	20.7	14.2
163 or more.....	2.1	2.1	1.5	56.....	21.4	19.8	21.5
				63 or more.....	47.0	38.0	53.8
VALENCIA ORANGES							
64 or less.....	0.4	0.1	0.1				
80.....	3.0	1.2	0.5				
100.....	15.3	9.2	6.1				
125.....	30.0	24.9	25.1				
163 or more.....	51.3	64.6	68.2				

¹ Excludes Navels.

² Excludes seedy.

The charts below show the distribution of fruit sizes in 2021 compared to 2022. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

Fruit Size Frequency Measurements, Non-Valencia Oranges ¹, by Diameter - Florida: October



¹ Excludes Navels.

Fruit Size Frequency Measurements, Red Grapefruit, by Diameter - Florida: October

