CITRUS JULY FORECAST
FORECAST COMPONENTS

July 12, 2024

Florida All Orange Production Up 1 Percent from June Forecast
Florida Non-Valencia Orange Production Unchanged
Florida Valencia Orange Production Up 1 Percent
Florida All Grapefruit Production Unchanged
Florida All Tangerine and Tangelo Production Unchanged

> The first forecast of the 2024-2025 season will be released at 12:00 p.m. ET on October 11, 2024

Citrus Production by Type – States and United States

Crop and State	Production [1]		2023-2024 Forecasted Production [1]	
	2021-2022	2022-2023	June	July
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Non-Valencia Oranges [2]				
Florida	**18,250**	**6,150**	**6,760**	**6,760**
California	31,500	36,100	38,000	39,000
Texas	170	570	700	690
United States	49,920	42,820	45,460	46,450
Valencia Oranges				
Florida	**22,950**	**9,670**	**11,100**	**11,200**
California	7,600	8,600	8,000	8,500
Texas	30	560	400	490
United States	30,580	18,830	19,500	20,190
All Oranges				
Florida	**41,200**	**15,820**	**17,860**	**17,960**
California	39,100	44,700	46,000	47,500
Texas	200	1,130	1,100	1,180
United States	80,500	61,650	64,960	66,640
Grapefruit				
Florida-All	**3,330**	**1,810**	**1,790**	**1,790**
Red	**2,830**	**1,560**	**1,550**	**1,550**
White	**500**	**250**	**240**	**240**
California	4,100	4,300	4,100	4,200
Texas	1,700	2,250	2,600	2,400
United States	9,130	8,360	8,490	8,390
Lemons				
Arizona	1,250	1,400	1,050	950
California	25,200	26,000	22,000	26,000
United States	26,450	27,400	23,050	26,950
Tangerines and Mandarins [3]				
Florida	**750**	**480**	**450**	**450**
California	17,500	23,550	22,000	24,000
United States	18,250	24,030	22,450	24,450

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

[2] Early non-Valencia (including Navel) and mid-season non-Valencia varieties in Florida; Navel and miscellaneous varieties in California; Early and mid-season varieties in Texas.

[3] Includes tangelos and tangors.

Citrus Forecast

The 2023-2024 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 18.0 million boxes. The total is comprised of 6.76 million boxes of non-Valencia oranges (early, mid-season, and Navel varieties), unchanged from the June forecast, and 11.2 million boxes of Valencia oranges, up 100,000 boxes from the June forecast. The forecast of all Florida grapefruit production remains at 1.79 million boxes. Of the total grapefruit forecast, 240,000 boxes are white, and 1.55 million boxes are the red varieties. The Florida all tangerine and tangelo forecast is unchanged at 450,000 boxes.

Forecast Components of Production from Objective Surveys — Florida: 2019-2020 through 2023-2024

Fruit type and crop year	Number bearing trees	Sample survey averages		
		Fruit per tree	Percent drop [1]	Fruit per box [1]
	(1,000 trees)	(number)	(percent)	(number)
Early and Midseason non-Valencia Oranges [2]				
2019-2020	19,535	774	28	315
2020-2021	18,778	591	43	277
2021-2022	17,206	571	39	326
2022-2023	14,623	486	76	333
2023-2024	13,299	342	43	336
Navel Oranges				
2019-2020	920	237	26	142
2020-2021	898	185	37	132
2021-2022	756	155	28	138
2022-2023	634	109	68	136
2023-2024	570	138	37	138
Valencia Oranges				
2019-2020	29,690	537	30	252
2020-2021	30,069	441	41	246
2021-2022	28,679	395	51	274
2022-2023	26,271	326	71	294
2023-2024	24,868	279	50	271
Red Grapefruit				
2019-2020	2,174	422	29	116
2020-2021	1,956	371	33	115
2021-2022	1,731	393	28	127
2022-2023	1,483	387	44	139
2023-2024	1,418	356	34	119
White Grapefruit [3]				
2019-2020	419	461	29	108
2020-2021	329	407	32	123
2021-2022	234	470	16	104
2022-2023	206	483	33	112
2023-2024	194	479	25	109

[1] Averages at cut-off month—January 1 for early-midseason oranges, December 1 for Navels, April 1 for Valencia, and February 1 for grapefruit.
[2] Excludes Navels.
[3] Includes seedy grapefruit in number of bearing trees.

The above table shows the production components used for the 2019-2020 through the 2023-2024 forecast seasons. Bearing trees are estimated at the beginning of each forecast season using the most updated tree inventory with an allowance for expected attrition. Revisions are made to the historic series where applicable. Fruit per tree is the weighted average obtained from the annual Limb Count survey conducted during a ten-week period from mid-July to mid-September. Survey averages for each tree age group within an area are weighted by the estimated number of bearing trees for each age group. Fruit size measurements and drop observations are obtained from monthly surveys. The average drop percentages are from the final month used in the forecast model. Average fruit sizes were also obtained from the same survey period and have been converted in the table to estimated number of fruit needed to fill a 1-3/5 bushel box. These four factors are the primary components used in the initial October forecast and in following months up to the "cut-off" for each fruit type.

$$\text{Direct Expansion} = \frac{\text{Bearing Trees} \times \text{Fruit per Tree} \times \text{Percent Remaining at Harvest}}{\text{Pieces of Fruit per Box}}$$