



CITRUS JUNE FORECAST

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June 12, 2024

Florida All Orange Production Up Less Than 1 Percent from May Forecast
Florida Non-Valencia Orange Production Down 1 Percent
Florida Valencia Orange Production Up 1 Percent
Florida All Grapefruit Production Down 1 Percent
Florida All Tangerine and Tangelo Down 10 Percent

FORECAST DATES - 2023-2024 SEASON
July 12, 2024

Citrus Production by Type – States and United States

Crop and State	Production ¹		2023-2024 Forecasted Production ¹	
	2021-2022 (1,000 boxes)	2022-2023 (1,000 boxes)	May (1,000 boxes)	June (1,000 boxes)
Non-Valencia Oranges ²				
Florida	18,250	6,150	6,800	6,760
California ³	31,500	36,100	38,000	38,000
Texas ³	170	570	700	700
United States	49,920	42,820	45,500	45,460
Valencia Oranges				
Florida	22,950	9,670	11,000	11,100
California ³	7,600	8,600	8,000	8,000
Texas ³	30	560	400	400
United States	30,580	18,830	19,400	19,500
All Oranges				
Florida	41,200	15,820	17,800	17,860
California ³	39,100	44,700	46,000	46,000
Texas ³	200	1,130	1,100	1,100
United States	80,500	61,650	64,900	64,960
Grapefruit				
Florida-All	3,330	1,810	1,800	1,790
Red	2,830	1,560	1,550	1,550
White	500	250	250	240
California ^{3,4}	4,100	4,300	4,100	4,100
Texas ³	1,700	2,250	2,600	2,600
United States	9,130	8,360	8,500	8,490
Lemons ³				
Arizona	1,250	1,400	1,050	1,050
California	25,200	26,000	22,000	22,000
United States	26,450	27,400	23,050	23,050
Tangerines and Mandarins				
Florida	750	480	500	450
California ³	17,500	23,550	22,000	22,000
United States	18,250	24,030	22,500	22,450

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 Estimates carried forward from previous forecast.

⁴ Includes pummelos in California.

All Oranges 17.9 Million Boxes

The 2023-2024 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 17.9 million boxes. The total includes 6.76 million boxes of non-Valencia oranges (early, mid-season, and Navel varieties) and 11.1 million boxes of Valencia oranges.

Non-Valencia Oranges 6.76 Million Boxes

The forecast of non-Valencia orange production is 6.76 million boxes, down 40,000 boxes from the previous forecast. The Navel forecast, included in the non-Valencia portion of the forecast is 180,000 boxes, 3 percent of the non-Valencia total.

Valencia Oranges 11.1 Million Boxes

The forecast of Valencia orange production is 11.1 million boxes, up 100,000 boxes from the previous forecast.

All Grapefruit 1.79 Million Boxes

The forecast of all grapefruit production is 1.79 million boxes. The white grapefruit forecast is decreased 10,000 boxes to 240,000 boxes. The red grapefruit forecast is unchanged at 1.55 million boxes.

Tangerines and Mandarins 450,000 Boxes

The forecast for tangerines and mandarins is 450,000 boxes, down 50,000 boxes from the previous forecast. This production level is 6 percent less than last season's final production of 480,000 boxes. This forecast number includes all certified tangerine and tangelo varieties.

Reliability

To assist users in evaluating the reliability of the June 1 Florida production forecasts, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the June 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of squared percentage deviations for the latest 20-year period is computed. The square root of the average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years.

The "Root Mean Square Error" for the June 1 Florida all orange production forecast is 1.1 percent. If you exclude the three abnormal production seasons (three hurricane seasons), the "Root Mean Square Error" is 0.8 percent. This means chances are 2 out of 3 that the current all orange production forecast will not be above or below the final estimates by more than 1.1 percent, including abnormal seasons, or 0.8 percent, excluding abnormal seasons. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 1.9 percent including abnormal season and or 1.4 percent excluding abnormal seasons.

Changes between the June 1 Florida all orange forecast and the final estimates during the past 20 years have averaged 1.03 million boxes (0.86 million boxes, excluding abnormal seasons), ranging from 0.07 million boxes to 5.30 million boxes including abnormal seasons, (0.10 to 3.00 million boxes excluding abnormal seasons). The June 1 forecast for all oranges has been below the final estimate 14 times, above 6 times, (below 12 times, above 4 times, excluding abnormal seasons). The difference does not imply that the June 1 forecasts this year are likely to understate or overstate final production.