United States Department of Agriculture
National Agricultural Statistics Service

CITRUS

JULY FORECAST
FORECAST COMPONENTS

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

July 10, 2020

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

The first forecast of the 2020-2021 season will be released at 12:00 p.m. ET on October 9, 2020

Citrus Production by Type – States and United States

Crop and State	Production [1]		2019-2020 Forecasted Production [1]	
	2017-2018	2018-2019	June	July
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Non-Valencia Oranges [2]				
Florida	**18,950**	**30,400**	**29,650**	**29,650**
California	35,900	42,000	40,000	42,000
Texas	1,530	2,210	1,800	1,150
United States	56,380	74,610	71,450	72,800
Valencia Oranges				
Florida	**26,100**	**41,450**	**38,000**	**38,000**
California	8,300	9,400	8,500	9,000
Texas	350	290	500	190
United States	34,750	51,140	47,000	47,190
All Oranges				
Florida	**45,050**	**71,850**	**67,650**	**67,650**
California	44,200	51,400	48,500	51,000
Texas	1,880	2,500	2,300	1,340
United States	91,130	125,750	118,450	119,990
Grapefruit				
Florida-All	**3,880**	**4,510**	**4,890**	**4,850**
Red	**3,180**	**3,740**	**4,100**	**4,060**
White	**700**	**770**	**790**	**790**
California	3,800	4,100	4,300	3,800
Texas	4,800	6,100	5,800	4,400
United States	12,480	14,710	14,990	13,050
Lemons				
Arizona	1,000	1,350	1,900	1,900
California	21,200	23,700	21,000	21,000
United States	22,200	25,050	22,900	22,900
Tangerines and Tangelos				
Florida [3]	**750**	**990**	**1,020**	**1,020**
California [4]	19,200	26,500	23,000	21,000
United States	19,950	27,490	24,020	22,020

[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] Navel and miscellaneous varieties in California. Early non-Valencia (including Navel) and midseason non-Valencia varieties in Florida and Texas.
[3] Includes all certified varieties of tangerines and tangelos.
[4] Includes tangelos and tangors.

Citrus Forecast

The 2019-2020 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 67.7 million boxes. The total is comprised of 29.7 million boxes of non-Valencia oranges (early, midseason, and Navel varieties), unchanged from the June forecast, and 38.0 million boxes of Valencia oranges, unchanged from the June forecast. The forecast of all Florida grapefruit production is down 1 percent at 4.85 million boxes. Of the total grapefruit forecast, 790,000 boxes are white and 4.06 million boxes are the red varieties. The Florida all tangerine and tangelo forecast remains at 1.02 million boxes.

Forecast Components of Production from Objective Surveys – Florida: 2015-2016 through 2019-2020

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-Midseason non-Valencia Oranges [2 3]				
2015-2016	21,454	744	32	284
2016-2017	20,318	765	26	316
2017-2018	20,119	746	61	287
2018-2019	19,666	813	26	334
2019-2020	19,529	775	28	316
Navel Oranges				
2015-2016	965	228	24	140
2016-2017	929	219	27	147
2017-2018	939	254	68	142
2018-2019	944	213	27	146
2019-2020	932	236	26	139
Valencia Oranges				
2015-2016	29,785	520	29	228
2016-2017	28,836	451	30	242
2017-2018	28,975	512	52	236
2018-2019	29,097	608	25	265
2019-2020	29,615	536	30	252
Red Grapefruit				
2015-2016	3,218	441	40	127
2016-2017	2,962	396	35	132
2017-2018	2,773	387	51	108
2018-2019	2,430	375	34	137
2019-2020	2,150	415	30	117
White Grapefruit [4]				
2015-2016	981	453	34	132
2016-2017	834	413	43	143
2017-2018	667	393	66	107
2018-2019	478	363	22	124
2019-2020	356	453	30	108

[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 Temples in number of bearing trees for 2015-2016.
[4] Includes seedy grapefruit in number of bearing trees.

The above table shows the production components used for the 2015-2016 through the 2019-2020 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.

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