CITRUS JULY FORECAST FORECAST COMPONENTS

July 12, 2021

Florida All Orange Production Up Slightly from June
Florida Non-Valencia Orange Production Unchanged
Florida Valencia Orange Production Up Slightly
Florida All Grapefruit Production Unchanged
Florida All Tangerine and Tangelo Production Unchanged

> The first forecast of the 2021-2022 season will be released at 12:00 p.m. ET on October 12, 2021

Citrus Production by Type – States and United States

Crop and State	Production [1]		2020-2021 Forecasted Production [1]	
	2018-2019	2019-2020	June	July
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Non-Valencia Oranges [2]				
Florida	**30,400**	**29,650**	**22,700**	**22,700**
California	42,000	43,300	42,000	45,000
Texas	2,210	1,150	1,000	1,000
United States	74,610	74,100	65,700	68,700
Valencia Oranges				
Florida	**41,450**	**37,750**	**30,000**	**30,100**
California	10,200	10,800	10,000	9,500
Texas	290	190	50	50
United States	51,940	48,740	40,050	39,650
All Oranges				
Florida	**71,850**	**67,400**	**52,700**	**52,800**
California	52,200	54,100	52,000	54,500
Texas	2,500	1,340	1,050	1,050
United States	126,550	122,840	105,750	108,350
Grapefruit				
Florida-All	**4,510**	**4,850**	**4,100**	**4,100**
Red	**3,740**	**4,060**	**3,480**	**3,480**
White	**770**	**790**	**620**	**620**
California [3]	4,200	4,700	4,200	4,400
Texas	6,100	4,400	2,400	2,400
United States	14,810	13,950	10,700	10,900
Lemons				
Arizona	1,350	1,800	1,800	1,500
California	23,700	25,300	22,000	21,500
United States	25,050	27,100	23,800	23,000
Tangerines and Tangelos				
Florida	**990**	**1,020**	**890**	**890**
California	26,500	22,400	23,000	24,000
United States	27,490	23,420	23,890	24,890

[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 pummelos in California.

Citrus Forecast

The 2020-2021 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 52.8 million boxes. The total is comprised of 22.7 million boxes of non-Valencia oranges (early, midseason, and Navel varieties), unchanged from the June forecast, and 30.1 million boxes of Valencia oranges, up slightly from the June forecast. The forecast of all Florida grapefruit production is unchanged at 4.10 million boxes. Of the total grapefruit forecast, 620,000 boxes are white, and 3.48 million boxes are the red varieties. The Florida all tangerine and tangelo forecast remains at 890,000 boxes.

Forecast Components of Production from Objective Surveys — Florida: 2016-2017 through 2020-2021

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]				
2016-2017	20,318	765	26	316
2017-2018	20,119	746	61	287
2018-2019	19,666	813	26	334
2019-2020	19,535	774	28	315
2020-2021	19,050	590	43	277
Navel Oranges				
2016-2017	929	219	27	147
2017-2018	939	254	68	142
2018-2019	944	213	27	146
2019-2020	920	237	26	142
2020-2021	902	194	37	132
Valencia Oranges				
2016-2017	28,836	451	30	242
2017-2018	28,975	512	52	236
2018-2019	29,097	608	25	265
2019-2020	29,690	537	30	252
2020-2021	30,169	441	41	246
Red Grapefruit				
2016-2017	2,962	396	35	132
2017-2018	2,773	387	51	108
2018-2019	2,430	375	34	137
2019-2020	2,174	422	29	116
2020-2021	1,983	372	32	116
White Grapefruit [3]				
2016-2017	834	413	43	143
2017-2018	667	393	66	107
2018-2019	478	363	22	124
2019-2020	419	461	29	108
2020-2021	376	409	32	123

[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 2016-2017 through the 2020-2021 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.

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