USDA

United States Department of Agriculture
National Agricultural Statistics Service

CITRUS JULY FORECAST
FORECAST COMPONENTS

AGRICULTURE COUNTS

July 11, 2019

Florida All Orange 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 2019-2020 season will be released at 12:00 p.m. ET on October 10, 2019

Citrus Production by Type – States and United States

Crop and State	Production [1]		2018-2019 Forecasted Production [1]	
	2016-2017	2017-2018	June	July
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Non-Valencia Oranges [2]				
Florida	**33,000**	**18,950**	**30,400**	**30,400**
California	39,300	35,900	40,000	40,000
Texas	1,090	1,530	1,300	2,200
United States	73,390	56,380	71,700	72,600
Valencia Oranges				
Florida	**35,850**	**26,100**	**41,000**	**41,200**
California	9,000	9,500	9,000	10,000
Texas	280	350	575	290
United States	45,130	35,950	50,575	51,490
All Oranges				
Florida	**68,850**	**45,050**	**71,400**	**71,600**
California	48,300	45,400	49,000	50,000
Texas	1,370	1,880	1,875	2,490
United States	118,520	92,330	122,275	124,090
Grapefruit				
Florida-All	**7,760**	**3,880**	**4,510**	**4,510**
Red	**6,280**	**3,180**	**3,740**	**3,740**
White	**1,480**	**700**	**770**	**770**
California	4,400	4,000	4,000	4,500
Texas	4,800	4,800	6,300	6,100
United States	16,960	12,680	14,810	15,110
Lemons				
Arizona	1,550	1,000	1,300	1,390
California	20,500	21,200	20,000	21,000
United States	22,050	22,200	21,300	22,390
Tangerines and Tangelos				
Florida-All [3]	**1,620**	**750**	**990**	**990**
Early [4]	**600**	**(NA)**	**(NA)**	**(NA)**
Royal	**210**	**(NA)**	**(NA)**	**(NA)**
Honey	**530**	**(NA)**	**(NA)**	**(NA)**
Tangelos	**280**	**(NA)**	**(NA)**	**(NA)**
California [5]	23,800	19,200	22,000	21,000
United States	25,420	19,950	22,990	21,990

NA Not available.

[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 and midseason non-Valencia (including Navel) varieties in Florida and Texas.

[3] In 2016-2017, includes Fallglo, Sunburst, Royal, and Honey tangerine varieties and tangelos. Beginning in 2017-2018, includes all certified varieties of tangerines and tangelos.

[4] Fallglo and Sunburst varieties.

[5] Includes tangelos and tangors in California.

Citrus Forecast

The 2018-2019 Florida all orange forecast released today by the USDA Agricultural Statistics Board is now 71.6 million boxes. The total is comprised of 30.4 million boxes of non-Valencia oranges (early, midseason, and Navel varieties), unchanged from the June forecast, and 41.2 million boxes of Valencia oranges, up 200,000 boxes from the June forecast. The forecast of all Florida grapefruit production is unchanged at 4.51 million boxes. Of the total grapefruit forecast, 770,000 boxes are white and 3.74 million boxes are the red varieties. The Florida all tangerine and tangelo forecast remains at 990,000 boxes.

Forecast Components of Production from Objective Surveys — Florida: 2014-2015 through 2018-2019

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]				
2014-2015	22,370	886	22	302
2015-2016	21,454	744	32	284
2016-2017	20,318	765	26	316
2017-2018	20,119	746	61	287
2018-2019	19,718	813	26	335
Navel Oranges				
2014-2015	958	293	21	137
2015-2016	965	228	24	140
2016-2017	929	219	27	147
2017-2018	939	254	68	142
2018-2019	951	213	26	142
Valencia Oranges				
2014-2015	31,054	624	25	244
2015-2016	29,785	520	29	228
2016-2017	28,836	451	30	242
2017-2018	28,975	512	52	236
2018-2019	29,262	609	25	265
White Grapefruit [4]				
2014-2015	1,160	480	24	113
2015-2016	981	453	34	132
2016-2017	834	413	43	143
2017-2018	667	393	66	107
2018-2019	540	362	36	124
Red Grapefruit				
2014-2015	3,303	441	27	117
2015-2016	3,218	441	40	127
2016-2017	2,962	396	35	132
2017-2018	2,773	387	51	108
2018-2019	2,573	369	34	137

[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 2014-2015 to 2015-2016.
[4] Includes seedy grapefruit in number of bearing trees.

The above table shows the production components used for the 2014-2015 through the 2018-2019 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.

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