CITRUS JULY FORECAST
FORECAST COMPONENTS

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July 12, 2022

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

The first forecast of the 2022-2023 season will be released at 12:00 p.m. ET on October 12, 2022

Citrus Production by Type – States and United States

Crop and State	Production [1]		2021-2022 Forecasted Production [1]	
	2019-2020	2020-2021	June	July
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Non-Valencia Oranges [2]				
Florida	**29,650**	**22,700**	**18,200**	**18,250**
California	43,300	41,300	43,000	40,000
Texas	1,150	1,000	250	170
United States	74,100	65,000	61,450	58,420
Valencia Oranges				
Florida	**37,750**	**30,250**	**22,500**	**22,700**
California	10,800	7,700	8,300	9,000
Texas	190	50	100	30
United States	48,740	38,000	30,900	31,730
All Oranges				
Florida	**67,400**	**52,950**	**40,700**	**40,950**
California	54,100	49,000	51,300	49,000
Texas	1,340	1,050	350	200
United States	122,840	103,000	92,350	90,150
Grapefruit				
Florida-All	**4,850**	**4,100**	**3,300**	**3,330**
Red	**4,060**	**3,480**	**2,800**	**2,830**
White	**790**	**620**	**500**	**500**
California [3]	4,700	4,200	4,100	4,000
Texas	4,400	2,400	2,000	1,700
United States	13,950	10,700	9,400	9,030
Lemons				
Arizona	1,800	750	1,500	1,300
California	25,300	20,100	23,000	23,000
United States	27,100	20,850	24,500	24,300
Tangerines and Tangelos				
Florida	**1,020**	**890**	**750**	**750**
California	22,400	28,800	21,000	20,000
United States	23,420	29,690	21,750	20,750

[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.

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Citrus Forecast

The 2021-2022 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 41.0 million boxes. The total is comprised of 18.3 million boxes of non-Valencia oranges (early, mid-season, and Navel varieties), up slightly from the June forecast, and 22.7 million boxes of Valencia oranges, up 1 percent from the June forecast. The forecast of all Florida grapefruit production is up 1 percent at 3.33 million boxes. Of the total grapefruit forecast, 500,000 boxes are white, and 2.83 million boxes are the red varieties. The Florida all tangerine and tangelo forecast remains at 750,000 boxes.

Forecast Components of Production from Objective Surveys — Florida: 2017-2018 through 2021-2022

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]				
2017-2018	20,119	746	61	287
2018-2019	19,666	813	26	334
2019-2020	19,535	774	28	315
2020-2021	18,778	591	43	277
2021-2022	18,171	571	39	326
Navel Oranges				
2017-2018	939	254	68	142
2018-2019	944	213	27	146
2019-2020	920	237	26	142
2020-2021	898	185	37	132
2021-2022	864	150	28	137
Valencia Oranges				
2017-2018	28,975	512	52	236
2018-2019	29,097	608	25	265
2019-2020	29,690	537	30	252
2020-2021	30,069	441	41	246
2021-2022	30,349	394	51	273
Red Grapefruit				
2017-2018	2,773	387	51	108
2018-2019	2,430	375	34	137
2019-2020	2,174	422	29	116
2020-2021	1,956	371	33	115
2021-2022	1,776	393	28	127
White Grapefruit [3]				
2017-2018	667	393	66	107
2018-2019	478	363	22	124
2019-2020	419	461	29	108
2020-2021	329	407	32	123
2021-2022	314	481	15	104

[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 2017-2018 through the 2021-2022 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.

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