This page was originally part of the July 2022 release. Revisions to the 2021-2022 bearing trees have led to the recalculation of yield components. Original numbers have been struck out with the revised figures placed to the left where applicable.

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	17,206 ~~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	756 ~~864~~	155 ~~150~~	28	138 ~~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	28,679 ~~30,349~~	395 ~~394~~	51	274 ~~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	1,731 ~~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	234 ~~314~~	470 ~~481~~	16 ~~15~~	104

[1] Averages at cut-off month—January 1 for early-midseason (non-Valencia) oranges, December 1 for Navels, April 1 for Valencias, 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.

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