United States Department of Agriculture
National Agricultural Statistics Service

CITRUS

JULY FORECAST
FORECAST COMPONENTS

Cooperating with the Florida Department of Agriculture & Consumer Services
2290 Lucien Way, Suite 300, Maitland, FL 32751-7057
(407) 648-6013 · (855) 271-9801 FAX · www.nass.usda.gov/fl

July 10, 2015

Florida All Orange Production Up Slightly
Florida Non-Valencia Orange Production Unchanged
Florida Valencia Orange Production Up 1 percent
Florida All Grapefruit Production Unchanged
Florida All Tangerine Production Unchanged
Florida Tangelo Production Down 3 percent
Florida FCOJ Yield 1.502203 gallons per box (42º Brix)

The first forecast of the 2015-2016 season will be released at 12:00 p.m. EDT on October 9, 2015

Citrus Production by Type and State – United States

Crop and State	Production [1]			2014-2015 Forecasted Production [1]	
	2011-2012	2012-2013	2013-2014	June	July
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Non-Valencia Oranges [2]					
Florida	**74,200**	**67,100**	**53,300**	**47,400**	**47,400**
California	45,500	42,500	38,700	40,000	39,500
Texas	1,108	1,499	1,400	1,800	1,388
United States	120,808	111,099	93,400	89,200	88,288
Valencia Oranges					
Florida	**72,500**	**66,500**	**51,400**	**49,000**	**49,300**
California	12,500	12,000	10,700	10,000	9,500
Texas	311	289	376	380	316
United States	85,311	78,789	62,476	59,380	59,116
All Oranges					
Florida	**146,700**	**133,600**	**104,700**	**96,400**	**96,700**
California	58,000	54,500	49,400	50,000	49,000
Texas	1,419	1,788	1,776	2,180	1,704
United States	206,119	189,888	155,876	148,580	147,404
Grapefruit					
Florida-All	**18,850**	**18,350**	**15,650**	**12,950**	**12,950**
White	**5,350**	**5,250**	**4,150**	**3,250**	**3,250**
Colored	**13,500**	**13,100**	**11,500**	**9,700**	**9,700**
California	4,000	4,500	3,850	3,800	3,800
Texas	4,800	6,100	5,700	7,000	5,600
United States	27,650	28,950	25,200	23,750	22,350
Lemons					
California	20,500	21,000	18,800	20,000	20,000
Arizona	750	1,800	1,800	2,150	2,000
United States	21,250	22,800	20,600	22,150	22,000
Tangelos					
Florida	**1,150**	**1,000**	**880**	**700**	**680**
Tangerines					
Florida-All	**4,290**	**3,280**	**2,900**	**2,300**	**2,300**
Early [3]	**2,330**	**1,910**	**1,750**	**1,450**	**1,460**
Honey	**1,960**	**1,370**	**1,150**	**850**	**840**
California [4]	10,800	13,000	14,700	16,000	16,000
Arizona [4]	200	200	200	220	220
United States	15,290	16,480	17,800	18,520	18,520

[1] Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California-80, Florida-85, Texas-80; lemons-80; tangelos-90; tangerines and mandarins in Arizona and California-80, Florida-95.
[2] Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas. Small quantities of tangerines in Texas and Temples in Florida.
[3] Fallglo and Sunburst varieties.
[4] Includes tangelos and tangors.

Citrus Forecast

The 2014-2015 Florida all orange forecast released today by the USDA Agricultural Statistics Board is raised to 96.7 million boxes. The total comprises 47.4 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties), unchanged from last month, and 49.3 million boxes of Valencia oranges, up 300,000 boxes from last month. The forecast of all Florida grapefruit production is unchanged at 12.95 million boxes. Of the total grapefruit forecast, 3.25 million boxes are white and 9.7 million boxes are the colored varieties. The Florida all tangerine forecast remains at 2.3 million boxes. The total comprises the early varieties (Fallglo and Sunburst) at 1.46 million boxes and the later maturing Honey tangerines at 840,000 boxes. The forecast of all Florida tangelo production is adjusted downward to 680,000 boxes. The Florida Department of Citrus reports the final FCOJ per box yields at 42° Brix are: all oranges at 1.502203 gallons, late (Valencia) portion at 1.584149 gallons, and non-Valencia oranges at 1.419546 gallons.

Forecast Components of Production from Objective Surveys – Florida: 2010-2011 through 2014-2015

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 Oranges [2 3]				
2010-2011	24,164	932	7	280
2011-2012	23,864	918	13	235
2012-2013	23,804	1,034	18	274
2013-2014	23,208	919	23	286
2014-2015	22,707	890	22	303
Navel Oranges				
2010-2011	1,089	487	7	138
2011-2012	1,045	478	17	135
2012-2013	1,006	413	27	135
2013-2014	977	432	19	140
2014-2015	970	295	21	139
Valencia Oranges				
2010-2011	32,905	598	16	227
2011-2012	32,550	567	19	212
2012-2013	32,335	661	22	231
2013-2014	31,704	614	31	240
2014-2015	31,190	624	25	244
White Grapefruit [4]				
2010-2011	1,435	478	11	104
2011-2012	1,377	443	16	101
2012-2013	1,326	547	22	120
2013-2014	1,264	556	29	118
2014-2015	1,199	477	24	113
Colored Grapefruit				
2010-2011	3,602	450	9	116
2011-2012	3,557	428	18	105
2012-2013	3,571	492	21	125
2013-2014	3,480	504	25	123
2014-2015	3,374	445	27	118

[1] Averages at cut-off month—January 1 for early-midseason oranges, December 1 for Navels, April 1 for Valencias, and February 1 for grapefruit.
[2] Excludes Navels.
[3] Includes Temples.
[4] Includes seedy grapefruit.

The above table shows the production components used for the 2010-2011 through the 2014-2015 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.

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