United States Department of Agriculture
National Agricultural Statistics Service

CITRUS

JULY FORECAST
FORECAST COMPONENTS

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July 11, 2013

Florida All Orange Production Down Less than 1 Percent
Florida Non-Valencia Orange Production Up Less than 1 Percent
Florida Valencia Orange Production Down 1 Percent
Florida All Grapefruit Production Unchanged
Florida All Tangerine Production Unchanged
Florida Tangelo Production Unchanged
Florida FCOJ Yield 1.587680 Gallons per Box

The first forecast of the 2013-2014 season will be released at 12:00 p.m. EDT on October 11, 2013.

Citrus Production by Type and State – United States

Crop and State	Production [1]			2012-2013 Forecasted Production [1]	
	2009-2010	2010-2011	2011-2012	June	July
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Non-Valencia Oranges [2]					
Florida	**68,600**	**70,300**	**74,200**	**67,000**	**67,100**
California	42,500	48,000	45,500	45,500	45,000
Texas	1,360	1,700	1,108	1,260	1,505
United States	112,460	120,000	120,808	113,760	113,605
Valencia Oranges					
Florida	**65,100**	**70,200**	**72,500**	**67,000**	**66,300**
California	15,000	14,500	13,000	12,500	12,500
Texas	275	249	311	295	289
United States	80,375	84,949	85,811	79,795	79,089
All Oranges					
Florida	**133,700**	**140,500**	**146,700**	**134,000**	**133,400**
California	57,500	62,500	58,500	58,000	57,500
Texas	1,635	1,949	1,419	1,555	1,794
United States	192,835	204,949	206,619	193,555	192,694
Grapefruit					
Florida-All	**20,300**	**19,750**	**18,850**	**18,400**	**18,400**
White	**6,000**	**5,850**	**5,350**	**5,300**	**5,300**
Colored	**14,300**	**13,900**	**13,500**	**13,100**	**13,100**
California	4,500	4,310	4,000	4,100	4,100
Texas	5,600	6,300	4,800	5,500	6,100
United States	30,400	30,360	27,650	28,000	28,600
Lemons					
California	21,000	20,500	20,500	20,000	20,000
Arizona	2,200	2,500	750	1,800	1,800
United States	23,200	23,000	21,250	21,800	21,800
Tangelos					
Florida	**900**	**1,150**	**1,150**	**1,000**	**1,000**
Tangerines					
Florida-All	**4,450**	**4,650**	**4,290**	**3,350**	**3,350**
Early [3]	**2,250**	**2,600**	**2,330**	**1,950**	**1,950**
Honey	**2,200**	**2,050**	**1,960**	**1,400**	**1,400**
California [4]	9,900	10,600	10,900	13,500	13,000
Arizona [4]	350	300	200	200	200
United States	14,700	15,550	15,390	17,050	16,550

[1] Net pounds per box: oranges in California-80 (75 prior to the 2010-2011 crop year), Florida-90, Texas-85; grapefruit in California-80 (67 prior to the 2010-2011 crop year), Florida-85, Texas-80; lemons-80 (76 prior to the 2010-2011 crop year), tangelos-90; tangerines and mandarins in Arizona and California-80 (75 prior to the 2010-2011 crop year), Florida-95.
[2] Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas. Includes small quantities of tangerines in Texas and Temples in Florida.
[3] Fallglo and Sunburst varieties.
[4] Includes tangelos and tangors.

Citrus Forecast

The 2013-2014 Florida all orange forecast released today by the USDA Agricultural Statistics Board is lowered to 133.4 million boxes. The total is comprised of 67.1 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties), up 100,000 boxes from last month, and 66.3 million boxes of Valencia oranges, down 700,000 boxes from last month. The forecast of all Florida grapefruit production remains at 18.4 million boxes. Of the total grapefruit forecast, 5.3 million boxes are white and 13.1 million boxes are the colored varieties. The Florida all tangerine forecast remains at 3.35 million boxes. The total is comprised of the early varieties (Fallglo and Sunburst) at 1.95 million boxes and the later maturing Honey tangerines at 1.4 million boxes. The forecast of all Florida tangelo production remains at 1.0 million boxes. As reported by the Florida Department of Citrus in Report No. 39, the final FCOJ yields are all oranges at 1.587680 gallons per box and the late (Valencia) portion at 1.692050 gallons per box. The early-midseason component was final at 1.508465 gallons per box in Report No. 21.

Forecast Components of Production from Objective Surveys – Florida: 2008-2009 through 2012-2013

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]				
2008-2009	25,147	1,082	11	257
2009-2010	24,623	866	8	246
2010-2011	24,164	932	7	280
2011-2012	23,864	918	13	235
2012-2013	23,741	1,032	18	274
Navel Oranges				
2008-2009	1,233	481	11	136
2009-2010	1,137	366	10	135
2010-2011	1,089	487	7	138
2011-2012	1,045	487	17	135
2012-2013	1,013	409	27	137
Valencia Oranges				
2008-2009	34,374	575	15	219
2009-2010	33,801	480	14	218
2010-2011	32,905	598	16	227
2011-2012	32,550	567	19	212
2012-2013	32,049	661	22	231
White Grapefruit [4]				
2008-2009	1,672	407	9	85
2009-2010	1,475	431	12	96
2010-2011	1,435	478	11	104
2011-2012	1,377	443	16	101
2012-2013	1,314	550	22	120
Colored Grapefruit				
2008-2009	3,961	429	12	97
2009-2010	3,725	413	10	109
2010-2011	3,602	450	9	116
2011-2012	3,557	428	18	105
2012-2013	3,581	492	20	125

[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 2008-2009 through the 2012-2013 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. The first two factors have the greatest influence on the initial forecast.

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