



CITRUS

APRIL FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

Cooperating with the Florida Department of Agriculture and Consumer Services
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April 9, 2015

Florida All Orange Production Unchanged
Florida Non-Valencia Orange Production Unchanged
Florida Valencia Orange Production Unchanged
Florida All Grapefruit Production Down 13 Percent
Florida All Tangerine Production Down 8 Percent
Florida Tangelo Production Unchanged
Florida FCOJ Yield 1.54 Gallons per Box (42° Brix)

FORECAST DATES – 2014-2015 SEASON
[Release time 12:00 p.m. EDT]
May 12, 2015 June 10, 2015
July 10, 2015

Citrus Production by Type and State – United States

Crop and State	Production ¹			2014-2015 Forecasted Production ¹	
	2011-2012 (1,000 boxes)	2012-2013 (1,000 boxes)	2013-2014 (1,000 boxes)	March (1,000 boxes)	April (1,000 boxes)
Non-Valencia Oranges ²					
Florida	74,200	67,100	53,300	47,000	47,000
California	45,500	42,500	* 38,700	40,000	40,000
Texas	1,108	1,499	1,400	1,670	1,800
United States	120,808	111,099	* 93,400	88,670	88,800
Valencia Oranges					
Florida	72,500	66,500	* 51,400	55,000	55,000
California	12,500	12,000	* 10,700	10,000	10,000
Texas	311	289	376	345	380
United States	85,311	78,789	* 62,476	65,345	65,380
All Oranges					
Florida	146,700	133,600	* 104,700	102,000	102,000
California	58,000	54,500	* 49,400	50,000	50,000
Texas	1,419	1,788	1,776	2,015	2,180
United States	206,119	189,888	* 155,876	154,015	154,180
Grapefruit					
Florida-All	18,850	18,350	15,650	15,000	13,000
White	5,350	5,250	4,150	4,000	3,000
Colored	13,500	13,100	11,500	11,000	10,000
California	4,000	4,500	* 3,850	4,000	3,800
Texas	4,800	6,100	5,700	6,000	7,000
United States	27,650	28,950	* 25,200	25,000	23,800
Lemons					
California	20,500	21,000	* 18,800	20,000	20,000
Arizona	750	1,800	1,800	2,200	2,150
United States	21,250	22,800	* 20,600	22,200	22,150
Tangelos					
Florida	1,150	1,000	880	700	700
Tangerines					
Florida-All	4,290	3,280	2,900	2,500	2,300
Early ³	2,330	1,910	1,750	1,450	1,450
Honey	1,960	1,370	1,150	1,050	850
California ⁴	10,800	13,000	* 14,700	15,500	16,000
Arizona ⁴	200	200	200	220	220
United States	15,290	16,480	* 17,800	18,220	18,520

* Revised.

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. Includes small quantities of tangerines in Texas and Temples in Florida.

³ Fallglo and Sunburst varieties.

⁴ Includes tangelos and tangors.

Regressions

Regression data used are from the 2006-2007 through 2013-2014 seasons. All references to “average”, “minimum”, and “maximum” refer to these 8 seasons unless noted.

All Oranges 102.0 Million Boxes

The 2014-2015 Florida all orange forecast released today by the USDA Agricultural Statistics Board is unchanged at 102.0 million boxes, but down 3 percent from last season’s final production figure. The total includes 47.0 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 55.0 million boxes of Valencia oranges. For those previous 8 seasons, the April forecast has deviated from final production by an average of 2 percent with 4 seasons below and 4 above, and differences ranging from 3 percent below to 5 percent above.

Non-Valencia Oranges 47.0 Million Boxes

The forecast of non-Valencia orange production is unchanged at 47.0 million boxes. The Row Count survey conducted March 31 and April 1 showed 99 percent of non-Valencia orange rows harvested. The Navel portion of the non-Valencia forecast is final at 1.4 million boxes, the smallest in the 35 year series.

Valencia Oranges 55.0 Million Boxes

The forecast of Valencia production is unchanged at 55.0 million boxes. The March Drop survey indicated final droppage at 25 percent. Final fruit size is slightly above last month’s projection, requiring 244 pieces of fruit to fill a 1-3/5 bushel box, and is the smallest fruit size in the series dating back to 1960-1961. The Row Count survey showed 15 percent of the Valencia rows are harvested.

All Grapefruit 13.0 Million Boxes

The forecast of all grapefruit production is lowered to 13.0 million boxes. The forecast for each of the components is lowered by 1.0 million boxes with white grapefruit now 3.0 million boxes and colored grapefruit now 10.0 million boxes. The changes are primarily due to the Row Count survey results compared to certified utilization. The Row Count survey conducted March 31-April 1 showed 70 percent of the white grapefruit rows and 92 percent of the colored grapefruit rows have been harvested.

All Tangerines 2.3 Million Boxes

The forecast of all tangerine production is lowered 200,000 boxes to 2.3 million boxes. The early varieties (Fallglo and Sunburst) are final at 1.45 million boxes. The reduction is in the Honey variety, now forecast at 850,000 boxes. Honey tangerine estimated utilization to the first of the month, including an allocation of 60,000 boxes for non-certified use, is over 770,000 thousand boxes.

Tangelos 700 Thousand Boxes

The forecast of tangelo production is unchanged at 700,000 boxes, including an allocation of 80,000 boxes for non-certified use. Tangelo harvest is complete for the season, and is the lowest amount since 500,000 boxes were harvested during the 1960-1961 season. The Row Count Survey shows 97 percent of the rows harvested.

FCOJ Yield 1.54 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is lowered to 1.54 gallons per box of 42° Brix concentrate. The projection for Valencia oranges remains at 1.65 gallons per box. The final yield for non-Valencia oranges is 1.419546 gallons per box, as reported by the Florida Department of Citrus (FDOC) in Report No. 23. Last season’s final yield for all oranges was 1.569080 gallons per box, 1.521318 gallons per box for non-Valencia oranges and 1.642463 for Valencia oranges.

Forecast Components, by Variety — Florida: April 2015

[Survey data is considered final in December for Navels, January for early-midseason oranges, February for grapefruit, and April for Valencias]

Type	Bearing trees (1,000 trees)	Fruit per tree (number)	Droppage (percent)	Fruit per box (number)
ORANGES				
Early-midseason.....	22,707	890	22	303
Navel.....	970	295	21	139
Valencia.....	31,190	624	25	244
GRAPEFRUIT				
White.....	1,199	477	24	113
Colored.....	3,374	445	27	118

Maturity Tests

Regular bloom fruit samples were collected from groves on established routes March 31 and April 1, 2015 in Florida's five major citrus producing areas, and tested April 2, 2015. Only late oranges were collected for this month's testing. Acid level were the same as last season, while solids (Brix) were lower than last season, resulting in a lower ratio. Unfinished juice per box and solids per box are lower than last season.

Indian River District's acid level and solids (Brix) are higher compared to fruit from other areas, yet the ratio is lower. Fruit from the Indian River has a lower unfinished juice per box and higher solids per box than fruit from other areas.

Citrus Unadjusted Maturity Tests — Florida: 2013-2014 and 2014-2015

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8 inch orifice tube. The beam settings are also identical to past tests and no restrictors are used]

Fruit type (number of groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2013-2014	2014-2015	2013-2014	2014-2015	2013-2014	2014-2015	2013-2014	2014-2015	2013-2014	2014-2015
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES (127-130)										
Oct 1	2.21	2.09	8.67	8.70	3.96	4.20	46.47	45.20	4.03	3.93
Nov 1	1.87	1.78	9.26	9.12	5.02	5.18	50.85	50.42	4.71	4.60
Dec 1	1.52	1.49	10.05	9.69	6.69	6.55	54.31	53.95	5.46	5.23
Jan 1	1.29	1.27	10.88	10.87	8.53	8.63	54.27	54.87	5.90	5.96
Feb 1	1.20	1.19	11.20	11.33	9.46	9.62	55.50	55.28	6.22	6.26
Mar 1	1.08	1.10	11.87	11.78	11.19	10.79	55.62	54.62	6.61	6.43
Apr 1	0.95	0.95	12.02	11.94	12.87	12.73	55.88	55.36	6.72	6.60

Citrus Maturity Test Averages, by Areas — Florida: April 1, 2013-2014 and 2014-2015

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2013-2014	2014-2015	2013-2014	2014-2015	2013-2014	2014-2015	2013-2014	2014-2015	2013-2014	2014-2015
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES										
Indian River (25-28)	0.99	0.98	12.21	12.33	12.61	12.70	55.34	54.39	6.76	6.70
Other Areas (102-102)	0.94	0.94	11.98	11.83	12.94	12.74	56.01	55.63	6.71	6.58

Fruit Size Comparisons to Previous Seasons

Size frequency distributions from the March size survey are shown in the table below. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions include fruit from regular bloom and exclude fruit from summer bloom.

The chart to the right shows the distribution of fruit sizes in 2015 compared to 2014. The diameter measurements shown are the minimum values of fruit measured, except for the smallest values.

Citrus Size Frequency Measurement Distributions, by Type — Florida: March

Type and number of fruit per 4/5 - bushel containers	2013	2014	2015
	(percent)	(percent)	(percent)
VALENCIA ORANGES			
64 or less	3.9	3.9	3.1
80	15.1	13.5	12.3
100	35.4	31.8	29.4
125	29.0	29.2	32.2
163 or more	16.6	21.6	23.0

Fruit Size Frequency Measurements, Valencia Oranges, by Diameter - Florida: March

