



CITRUS

APRIL FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

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Florida All Orange Production Down 4 Percent
Florida Non-Valencia Orange Production Unchanged
Florida Valencia Orange Production Down 7 Percent
Florida All Grapefruit Production Unchanged
Florida All Tangerine Production Down 9 Percent
Florida Tangelo Production Down 2 Percent
Florida FCOJ Yield 1.60 Gallons per Box (42° Brix)

FORECAST DATES – 2013-2014 SEASON

[Release time 12:00 p.m. EDT]

May 9, 2014

June 11, 2014

July 11, 2014

Citrus Production by Type and State – United States

Crop and State	Production ¹			2013-2014 Forecasted Production ¹	
	2010-2011 (1,000 boxes)	2011-2012 (1,000 boxes)	2012-2013 (1,000 boxes)	March (1,000 boxes)	April (1,000 boxes)
Non-Valencia Oranges ²					
Florida	70,300	74,200	67,100	53,000	53,000
California	48,000	45,500	* 42,500	42,000	42,000
Texas	1,700	1,108	1,499	1,455	1,601
United States	120,000	120,808	* 111,099	96,455	96,601
Valencia Oranges					
Florida	70,200	72,500	66,500	61,000	57,000
California	14,500	12,500	* 12,000	12,000	12,000
Texas	249	311	289	370	404
United States	84,949	85,311	* 78,789	73,370	69,404
All Oranges					
Florida	140,500	146,700	133,600	114,000	110,000
California	62,500	58,500	* 54,500	54,000	54,000
Texas	1,949	1,419	1,788	1,825	2,005
United States	204,949	206,119	* 189,888	169,825	166,005
Grapefruit					
Florida-All	19,750	18,850	18,350	16,000	16,000
White	5,850	5,350	5,250	4,000	4,000
Colored	13,900	13,500	13,100	12,000	12,000
California	4,310	4,000	* 4,500	4,000	4,000
Texas	6,300	4,800	6,100	5,370	6,070
United States	30,360	27,650	* 28,950	25,370	26,070
Lemons					
California	20,500	20,500	21,000	20,000	20,000
Arizona	2,500	750	1,800	1,785	1,785
United States	23,000	21,250	22,800	21,785	21,785
Tangelos					
Florida	1,150	1,150	1,000	900	880
Tangerines					
Florida-All	4,650	4,290	3,280	3,250	2,950
Early ³	2,600	2,330	1,910	1,750	1,750
Honey	2,050	1,960	1,370	1,500	1,200
California ⁴	10,600	10,800	13,000	13,200	13,200
Arizona ⁴	300	200	200	200	200
United States	15,550	15,290	16,480	16,650	16,350

* 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.

All Oranges 110.0 Million Boxes

The 2013-2014 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 110.0 million boxes, down 4 percent from last month, and 18 percent less than last season's final production figure. The total includes 53.0 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 57.0 million boxes of Valencia oranges. The hurricane seasons of 2004-2005 and 2005-2006 have been excluded from the usual 10-year regression analysis and from comparisons of the current season to previous seasons. 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 3 percent above. All references to "average", "minimum", or "maximum" refer to the previous 8 non-hurricane seasons unless noted.

Non-Valencia Oranges 53.0 Million Boxes

The forecast of non-Valencia orange production is unchanged at 53.0 million boxes. The Row Count survey conducted April 1-2 showed 99 percent of all non-Valencia orange rows harvested. The Navel portion of the non-Valencia forecast is final at 1.95 million boxes.

Valencia Oranges 57.0 Million Boxes

The forecast of Valencia production is lowered by 4.0 million boxes to 57.0 million. The Drop survey conducted in late March showed final droppage at 31 percent, the highest of any non-hurricane, non-freeze season since 1969-1970. Although the final size is slightly above last month's projection, requiring 240 pieces of fruit to fill a 1-3/5 bushel box, it is the second smallest fruit size in the series dating back to 1960-1961, surpassing only that of the 1976-1977 freeze season. The Row Count survey showed 18 percent of the rows harvested.

All Grapefruit 16.0 Million Boxes

The forecast of all grapefruit production is unchanged at 16.0 million boxes. Of the total grapefruit forecast, 4.0 million are white and 12.0 million are the colored varieties. The Row Count survey showed 82 percent of the white grapefruit and 92 percent of the colored grapefruit rows harvested.

All Tangerines 2.95 Million Boxes

The forecast of all tangerine production is lowered by 300,000 boxes to 2.95 million boxes. The early varieties (Fallglo and Sunburst) are final at 1.75 million. The reduction is in the Honey variety now at 1.2 million boxes. The Row Count survey showed 72 percent of the Honey tangerine rows harvested.

Tangelos 880 Thousand Boxes

The forecast of tangelo production is adjusted 20,000 boxes downward to 880 thousand boxes, including an allocation of 100,000 boxes for non-certified-use. Tangelo harvest is complete for the season and will be the lowest since the 750 thousand boxes harvested in the 1962-63 season. The Row Count Survey shows 98 percent of the rows harvested.

FCOJ Yield 1.60 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is lowered to 1.60 gallons per box of 42° Brix concentrate. The projection for Valencia oranges remains at 1.69 gallons per box. The final yield for non-Valencia oranges is 1.521318 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 1.587680 gallons per box, 1.508465 gallons per box for non-Valencia oranges and 1.692050 for Valencia oranges.

Forecast Components, by Variety — Florida: April 2014

[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.....	23,660	918	23	286
Navel.....	985	429	19	144
Valencia.....	32,149	614	31	240
GRAPEFRUIT				
White.....	1,282	555	29	118
Colored.....	3,617	500	25	123

Maturity Tests

Regular bloom fruit samples were collected from groves on established routes April 1-2, 2014 in Florida's five major citrus producing areas, and tested April 3, 2014. Only late oranges were collected for this month's testing. Acid level and solids (Brix) are lower than last season; the ratio is higher. Unfinished juice per box is higher than last season while solids per box is lower.

In fruit from the Indian River District, acid level and solids (Brix) are higher than in fruit from other areas; the ratio is lower. Fruit from the Indian River has a lower unfinished juice per box and a higher solids per box than fruit from other areas.

Citrus Unadjusted Maturity Tests — Florida: 2012-2013 and 2013-2014

[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	
	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES (112-127)										
Oct 1.....	2.21	2.21	8.81	8.67	4.06	3.96	44.76	46.47	3.95	4.03
Nov 1.....	1.72	1.87	9.30	9.26	5.49	5.02	51.54	50.85	4.79	4.71
Dec 1.....	1.54	1.52	10.11	10.05	6.68	6.69	53.40	54.31	5.40	5.46
Jan 1.....	1.36	1.29	10.90	10.88	8.11	8.53	54.60	54.27	5.95	5.90
Feb 1.....	1.16	1.20	11.79	11.20	10.36	9.46	55.52	55.50	6.52	6.22
Mar 1.....	1.05	1.08	12.19	11.87	11.74	11.19	54.90	55.62	6.69	6.61
Apr 1.....	1.00	0.95	12.38	12.02	12.57	12.87	55.58	55.88	6.88	6.72

Citrus Maturity Test Averages, by Areas — Florida: April 1, 2012-2013 and 2013-2014

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES										
Indian River (24-25).....	1.06	0.99	12.50	12.21	11.96	12.61	55.20	55.34	6.91	6.76
Other Areas (88-102).....	0.98	0.94	12.35	11.98	12.74	12.94	55.68	56.01	6.87	6.71

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 2014 compared to 2013. 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	2012	2013	2014
	(percent)	(percent)	(percent)
VALENCIA ORANGES			
64 or less.....	6.2	3.9	3.9
80.....	24.6	15.1	13.5
100.....	41.3	35.4	31.8
125.....	22.0	29.0	29.2
163 or more.....	5.9	16.6	21.6

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

