



CITRUS MAY FORECAST

MATURITY TEST RESULTS AND FRUIT SIZE

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Florida All Orange Production Down 5 percent
Florida Non-Valencia Orange Production Up 1 percent
Florida Valencia Orange Production Down 11 percent
Florida All Grapefruit Production Down 1 Percent
Florida All Tangerine Production Unchanged
Florida Tangelo Production Unchanged
Florida FCOJ Yield 1.49 Gallons per Box (42° Brix)

FORECAST DATES – 2014-2015 SEASON

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

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)	April (1,000 boxes)	May (1,000 boxes)
Non-Valencia Oranges ²					
Florida	74,200	67,100	53,300	47,000	47,400
California ³	45,500	42,500	38,700	40,000	40,000
Texas ³	1,108	1,499	1,400	1,800	1,800
United States	120,808	111,099	93,400	88,800	89,200
Valencia Oranges					
Florida	72,500	66,500	51,400	55,000	49,000
California ³	12,500	12,000	10,700	10,000	10,000
Texas ³	311	289	376	380	380
United States	85,311	78,789	62,476	65,380	59,380
All Oranges					
Florida	146,700	133,600	104,700	102,000	96,400
California ³	58,000	54,500	49,400	50,000	50,000
Texas ³	1,419	1,788	1,776	2,180	2,180
United States	206,119	189,888	155,876	154,180	148,580
Grapefruit					
Florida-All	18,850	18,350	15,650	13,000	12,900
White	5,350	5,250	4,150	3,000	3,200
Colored	13,500	13,100	11,500	10,000	9,700
California ³	4,000	4,500	3,850	3,800	3,800
Texas ³	4,800	6,100	5,700	7,000	7,000
United States	27,650	28,950	25,200	23,800	23,700
Lemons ³					
California	20,500	21,000	18,800	20,000	20,000
Arizona	750	1,800	1,800	2,150	2,150
United States	21,250	22,800	20,600	22,150	22,150
Tangelos					
Florida	1,150	1,000	880	700	700
Tangerines					
Florida-All	4,290	3,280	2,900	2,300	2,300
Early ⁴	2,330	1,910	1,750	1,450	1,450
Honey	1,960	1,370	1,150	850	850
California ^{3 5}	10,800	13,000	14,700	16,000	16,000
Arizona ^{3 5}	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 Estimates carried forward from April.

⁴ Fallglo and Sunburst varieties.

⁵ 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 96.4 Million Boxes

The 2014-2015 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 96.4 million boxes, down 5 percent from last month, and 8 percent down from last season’s final production. If realized, this harvest will be the least since the 1965-1966 season’s 95.9 million boxes (not including Temples). The total is comprised of 47.4 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 49.0 million boxes of Valencia oranges. For the previous 8 seasons, the May forecast has deviated from final production by an average of 2 percent with 5 seasons below and 3 above, and differences ranging from 3 percent below to 5 percent above.

Non-Valencia Oranges 47.4 Million Boxes

The forecast of non-Valencia orange production is raised 400,000 boxes to 47.4 million boxes. Harvest is complete for the included varieties. The Navel portion of the non-Valencia forecast is 1.4 million boxes.

Valencia Oranges 49.0 Million Boxes

The forecast of Valencia production is lowered 6.0 million boxes to 49.0 million boxes. If realized, this forecasted production would be the least harvested since the 1989-1990 freeze season’s 42.1 million boxes. Estimated utilization to the first of the month, including an allocation for other use, is 26.1 million boxes. Estimated certifications in April reached just over 4 million boxes weekly.

Processors were surveyed regarding fruit processed through April 30 and estimated quantity remaining for processing this season. Results of this survey support the reduction of 6.0 million boxes. A follow-up objective survey shows fruit size has increased very little over the past month, while droppage has risen significantly. These two factors combined support a reduction in the forecast. The Row Count survey, conducted May 4-5, showed 55 percent of the Valencia rows harvested.

All Grapefruit 12.9 Million Boxes

The forecast of all grapefruit production is lowered 100,000 boxes to 12.9 million boxes. If realized, this season’s production will be 18 percent less than last season’s and the least since the hurricane season of 2004-2005. The white grapefruit forecast is raised 200,000 boxes and is now 3.2 million boxes, while the colored forecast is decreased 300,000 boxes, and is now 9.7 million boxes. White grapefruit estimated utilization to the first of the month is 3.2 million boxes, including an allocation for non-certified use; colored grapefruit utilization to the first of the month, including non-certified use, is 9.6 million boxes. The Row Count survey showed 94 percent of the white grapefruit rows and over 98 percent of the colored grapefruit rows have been harvested.

All Tangerines 2.3 Million Boxes

The forecast of all tangerine production is unchanged at 2.3 million boxes. The early varieties (Fallglo and Sunburst) at 1.45 million boxes are finished for the season and the Honey variety, forecast at 850,000 boxes, is winding down. The Row Count survey showed 93 percent of the Honey tangerine rows have been harvested.

Tangelos 700 Thousand Boxes

The forecast of tangelo production remains unchanged at 700,000 boxes, including an allocation of 80,000 boxes for non-certified use. The forecasted production is 20 percent less than the 2013-2014 season, and the lowest since the 1960-1961 season.

FCOJ Yield 1.49 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is lowered to 1.49 gallons per box of 42° Brix concentrate. The projection for Valencia oranges is now 1.60 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.

Weather

Weather stations in the citrus growing areas reported above average afternoon temperatures, reaching the mid 80s to lower 90s on most days. Rainfall was above normal with all counties recording at least two inches, and several Central and Southern citrus production area counties receiving between four and six inches. Drought measurements as per the U.S. Drought Monitor, last updated April 28, 2015, showed abnormally dry conditions covered only the southern half of Collier County. The remainder of the citrus area was drought free.

Maturity Tests

Regular bloom fruit samples were collected from groves on established routes on May 4-5, 2015, in Florida's five major citrus producing areas, and tested May 6, 2015. Acid level and solids (Brix) are lower on late oranges than last season, with a higher ratio. Unfinished juice per box is higher than last season, while solids per box are lower. The current acid level and solids (Brix) are higher in fruit from the Indian River District than in other areas and the ratio is lower. Fruit from the Indian River has less unfinished juice per box but 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 (58-72)										
Oct 1	2.27	2.14	8.71	8.75	3.89	4.12	46.59	44.75	4.06	3.92
Nov 1	1.95	1.82	9.25	9.08	4.79	5.04	50.46	50.69	4.67	4.60
Dec 1	1.57	1.53	10.09	9.71	6.54	6.39	53.89	53.99	5.43	5.24
Jan 1	1.33	1.30	10.91	10.89	8.24	8.46	54.51	54.74	5.94	5.96
Feb 1	1.24	1.23	11.20	11.35	9.18	9.37	55.13	55.61	6.18	6.31
Mar 1	1.12	1.13	11.81	11.77	10.68	10.49	55.75	54.91	6.59	6.46
Apr 1	0.98	0.98	11.90	11.90	12.29	12.27	55.50	55.81	6.61	6.64
May 1	0.85	0.83	12.37	12.20	14.74	15.17	55.75	55.82	6.89	6.81

Citrus Maturity Test Averages, by Areas — Florida: May 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 (10-16).....	0.89	0.90	12.40	12.84	14.16	14.85	53.75	54.34	6.65	6.98
Other Areas (48-56).....	0.84	0.80	12.36	12.01	14.86	15.27	56.17	56.24	6.94	6.76

Fruit Size Comparisons to Previous Seasons

Size frequency distributions from the April 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: April Survey

Type and number of fruit per 4/5 – bushel containers	2013	2014	2015
	(percent)	(percent)	(percent)
VALENCIA ORANGES			
64 or less	4.7	3.7	3.2
80.....	15.5	13.6	12.5
100.....	36.5	31.7	28.0
125.....	28.4	29.9	31.3
163 or more	14.9	21.1	25.0

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

