



CITRUS MAY FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

Cooperating with the Florida Department of Agriculture & Consumer Services
2290 Lucien Way, Suite 300, Maitland, FL 32751
(407) 648-6013 · (407) 648-6029 FAX · www.nass.usda.gov/fl

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All Orange Production Unchanged From April
Non-Valencia Orange Production Unchanged
Valencia Orange Production Unchanged
All Grapefruit Production Up 8 Percent
All Tangerine Production Down 3 Percent
Tangelo Production Unchanged
FCOJ Yield 1.60 Gallons per Box (42° Brix)

FORECAST DATES – 2012-2013 SEASON

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

June 12, 2013

July 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	April	May
	(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	67,000
California ³	42,500	48,000	45,500	45,500	45,500
Texas ³	1,360	1,700	1,108	1,260	1,260
United States	112,460	120,000	120,808	113,760	113,760
Valencia Oranges					
Florida	65,100	70,200	72,500	71,000	71,000
California ³	15,000	14,500	13,000	12,500	12,500
Texas ³	275	249	311	295	295
United States	80,375	84,949	85,811	83,795	83,795
All Oranges					
Florida	133,700	140,500	146,700	138,000	138,000
California ³	57,500	62,500	58,500	58,000	58,000
Texas ³	1,635	1,949	1,419	1,555	1,555
United States	192,835	204,949	206,619	197,555	197,555
Grapefruit					
Florida-All	20,300	19,750	18,850	17,000	18,300
White	6,000	5,850	5,350	4,500	5,300
Colored	14,300	13,900	13,500	12,500	13,000
California ³	4,500	4,310	4,000	4,100	4,100
Texas ³	5,600	6,300	4,800	5,500	5,500
United States	30,400	30,360	27,650	26,600	27,900
Lemons ³					
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	3,500	3,400
Early ⁴	2,250	2,600	2,330	2,000	2,000
Honey	2,200	2,050	1,960	1,500	1,400
California ^{3 5}	9,900	10,600	10,900	13,500	13,500
Arizona ^{3 5}	350	300	200	200	200
United States	14,700	15,550	15,390	17,200	17,100

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. 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.

All Oranges 138.0 Million Boxes

The 2012-2013 Florida all orange forecast released today by the USDA Agricultural Statistics Board is unchanged at 138.0 million boxes. The total includes 67.0 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 71.0 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 May forecast has deviated from final production by an average of 1 percent with 6 seasons below and 2 above, and differences ranging from 3 percent below to 1 percent above. All references to “average”, “minimum” or “maximum” refer to the previous 8 non-hurricane seasons unless noted.

Non-Valencia Oranges 67.0 Million Boxes

The forecast of non-Valencia orange production is unchanged at 67.0 million boxes. The route survey (Row Count) conducted April 30 and May 1 showed 99 percent of all non-Valencia orange rows have been harvested. The Navel portion of the non-Valencia forecast remains unchanged at 2.2 million boxes.

Valencia Oranges 71.0 Million Boxes

The forecast of Valencia production remains at 71.0 million boxes. Certifications were heavy throughout the month of April with estimated utilization reaching 5.8 million boxes the final week of the month. A processors survey sent out in April confirmed a continuation of the current forecast. Plants reported boxes used through April 30th and expected deliveries for the remainder of the season. Estimated utilization as of May 1 is 41.1 million boxes, according to the Citrus Administrative Committee. The route survey showed 62 percent of the rows have been harvested.

All Grapefruit 18.3 Million Boxes

The forecast of all grapefruit production is raised 1.3 million boxes and is now 18.3 million boxes. The increase is based on certified utilization as of May 1 and the results of the Processors Inquiry. The white grapefruit forecast is raised 800,000 boxes while the colored forecast is increased 500,000 boxes. Of the total grapefruit forecast, 5.3 million boxes are white and 13.0 million boxes are the colored varieties. The route survey showed 94 percent of the white grapefruit rows and 95 percent of the colored grapefruit rows have been harvested.

All Tangerines 3.4 Million Boxes

The forecast of all tangerine production is lowered by 100,000 boxes to 3.4 million boxes due to certified utilization. The early varieties (Fallglo and Sunburst) at 2.0 million are finished for the season and the Honey variety is reduced to 1.4 million boxes. The route survey showed 97 percent of the Honey tangerine rows have been harvested.

Tangelos 1.0 Million Boxes

The forecast of tangelo production remains unchanged at 1.0 million boxes, including an allocation of 100,000 boxes for non-certified use. The route survey showed 99 percent of the rows have been harvested. This harvest is 13 percent less than the production of last season and the 2010-2011 season production.

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 is now 1.69 gallons per box, reduced from 1.71 gallons per box. The final yield for non-Valencia oranges is 1.508465 gallons per box, as reported by the Florida Department of Citrus (FDOC) in Report No. 21. Last season's final yield for all oranges was 1.628480 gallons per box, 1.529715 gallons per box for non-Valencia oranges and 1.745597 for Valencia oranges.

Weather

In the citrus growing areas, weather stations reported temperatures ranging from highs in the upper 80s to lower 90s. Rainfall was generally light, becoming heavier towards the end of the month. Drought measurements as per the U.S. Drought Monitor, last updated April 30, 2013, indicate that the drought in the citrus producing region lessened in the Central and Indian River growing areas, while the Southern area is nearly drought free.

Maturity Tests

Regular bloom fruit samples were collected from groves on established routes on April 30 and May 1, 2013 in Florida's five major citrus producing areas, and tested May 2, 2013. Acid levels are higher and solids (Brix) are lower on late oranges than last season, resulting in a lower ratio. Unfinished juice per box and solids per box are lower than last season. The current acid level is higher and solids (Brix) is lower in fruit from the Indian River District than in other areas resulting in lower ratios. Fruit from the Indian River has less unfinished juice per box and less solids per box than fruit from other areas.

Citrus Unadjusted Maturity Tests — Florida: 2011-2012 and 2012-2013

[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	
	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES (44-68)										
Oct 1	2.20	2.23	8.92	8.83	4.11	4.00	48.93	45.38	4.35	4.01
Nov 1	1.59	1.74	9.46	9.34	6.12	5.44	50.97	51.31	4.82	4.79
Dec 1	1.45	1.57	10.40	10.09	7.31	6.52	55.29	53.54	5.75	5.41
Jan 1	1.21	1.38	11.43	10.96	9.60	8.05	56.69	54.34	6.48	5.96
Feb 1	1.17	1.18	12.19	11.79	10.57	10.19	56.26	55.56	6.85	6.55
Mar 1	1.05	1.06	12.68	12.18	12.29	11.71	54.77	54.59	6.94	6.65
Apr 1	0.88	1.01	12.70	12.38	14.83	12.46	56.42	55.67	7.16	6.89
May 1	0.83	0.93	13.38	12.74	16.47	14.00	55.33	54.64	7.40	6.96

Citrus Maturity Test Averages, by Areas — Florida: May 1, 2011-2012 and 2012-2013

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES										
Indian River (12-16).....	0.94	0.96	13.87	12.64	15.19	13.55	55.38	53.53	7.67	6.75
Other Areas (32-52).....	0.79	0.92	13.19	12.77	16.95	14.14	55.31	54.98	7.29	7.02

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 2013 compared to 2012. 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	2011	2012	2013
	(percent)	(percent)	(percent)
VALENCIA ORANGES			
64 or less.....	5.3	5.1	4.7
80.....	19.2	23.7	15.5
100.....	35.6	42.8	36.5
125.....	25.6	22.4	28.4
163 or more.....	14.3	6.0	14.9

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

