



CITRUS JANUARY FORECAST

MATURITY TEST RESULTS AND FRUIT SIZE

Cooperating with the Florida Department of Agriculture & Consumer Services
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January 10, 2014

Florida All Orange Production Down 5 Percent
Florida Non-Valencia Orange Production Down 4 Percent
Florida Valencia Orange Production Down 6 Percent
Florida All Grapefruit Production Down 1 Percent
Florida All Tangerine Production Down 6 Percent
Florida Tangelo Production Unchanged
FCOJ Yield 1.61 Gallons per Box (42° Brix)

FORECAST DATES	—	2013-2014 SEASON
February 10, 2014		May 9, 2014
March 10, 2014		June 11, 2014
April 9, 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)	December (1,000 boxes)	January (1,000 boxes)
Non-Valencia Oranges ²					
Florida	70,300	74,200	67,100	56,000	54,000
California	48,000	45,500	44,000	44,000	42,000
Texas	1,700	1,108	1,499	1,400	1,455
United States.....	120,000	120,808	112,599	101,400	97,455
Valencia Oranges					
Florida	70,200	72,500	66,500	65,000	61,000
California	14,500	12,500	12,500	12,500	11,500
Texas	249	311	289	364	370
United States.....	84,949	85,311	79,289	77,864	72,870
All Oranges					
Florida	140,500	146,700	133,600	121,000	115,000
California	62,500	58,500	56,500	56,500	53,500
Texas	1,949	1,419	1,788	1,764	1,825
United States.....	204,949	206,119	191,888	179,264	170,325
Grapefruit					
Florida-All	19,750	18,850	18,350	16,700	16,500
White	5,850	5,350	5,250	4,700	4,500
Colored	13,900	13,500	13,100	12,000	12,000
California	4,310	4,000	4,000	4,000	4,000
Texas	6,300	4,800	6,100	5,190	5,370
United States.....	30,360	27,650	28,450	25,890	25,870
Lemons					
California.....	20,500	20,500	21,000	21,500	20,000
Arizona.....	2,500	750	1,800	1,785	1,785
United States.....	23,000	21,250	22,800	23,285	21,785
Tangelos					
Florida	1,150	1,150	1,000	1,000	1,000
Tangerines					
Florida-All	4,650	4,290	3,280	3,600	3,400
Early ³	2,600	2,330	1,910	2,000	1,800
Honey	2,050	1,960	1,370	1,600	1,600
California ⁴	10,600	10,800	13,000	13,500	13,200
Arizona ⁴	300	200	200	200	200
United States.....	15,500	15,290	16,480	17,300	16,800

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 115.0 Million Boxes

The 2013-2014 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 115.0 million boxes, down 5 percent from December and 14 percent less than last season's production. The total comprises 54.0 million boxes of the non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 61.0 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 January forecast has deviated from final production by an average of 3 percent with 5 seasons above and 3 below, with differences ranging from 1 percent below to 9 percent above. All references to "average" or "minimum" refer to the previous 8 non-hurricane seasons unless otherwise noted.

Non-Valencia Oranges 54.0 Million Boxes

The forecast of non-Valencia production is lowered by 2.0 million boxes to 54.0 million boxes. Final fruit size is below the minimum, requiring 286 pieces of fruit to fill a 90-pound box; final droppage at 23 percent is the highest in a series dating back to the 1960-1961 season. The Navel forecast, included in the non-Valencia forecast, is decreased by 200,000 boxes to 1.9 million boxes *and now* represents 4 percent of the non-Valencia total. Navel harvest has tapered off, with estimated *weekly* utilization dropping to 20,000 boxes at the end of December.

Valencia Oranges 61.0 Million Boxes

The forecast of Valencia production is lowered by 4.0 million boxes to 61.0 million boxes. Current fruit size is below the minimum and is projected to be below the minimum at harvest. Current droppage is now above the maximum and is projected to be above the maximum at harvest.

All Grapefruit 16.5 Million Boxes

The forecast of all grapefruit production is lowered by 200,000 boxes to 16.5 million boxes. This reduction is in the white grapefruit forecast, now at 4.5 million boxes; the colored grapefruit forecast remains at 12.0 million boxes. Current fruit size for both white and colored grapefruit is near the minimum, but is expected to be below the minimum at harvest. Current droppage for both white and colored grapefruit is above the maximum and is projected to be well above the maximum at harvest.

All Tangerines 3.4 Million Boxes

The forecast of all tangerine production is lowered to 3.4 million boxes. The early tangerine forecast (Fallglo and Sunburst) is reduced 200,000 boxes to 1.8 million boxes. Early tangerine estimated utilization reached 1.65 million boxes as of January 1, 2014. Fallglo tangerine harvest is complete, while Sunburst harvest is expected to be complete this month. The forecast of the later maturing Honey variety continues at 1.6 million boxes. Projected Honey fruit size is slightly below the minimum while the droppage rate is slightly above average.

Tangelos 1.0 Million Boxes

The forecast of tangelo production is unchanged at 1.0 million boxes. The Row Count survey conducted December 30-31, 2013 showed 35 percent of the rows were harvested. Components were final last month with size below the minimum and droppage above average.

FCOJ Yield 1.61 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) remains 1.61 gallons per box of 42° Brix concentrate. First yield projections for the components are 1.51 gallons per box for the early-midseason portion, and 1.71 for the late (Valencia) portion. Last season's final yield for all oranges was 1.587680 gallons per box, as reported by the Florida Department of Citrus.

Forecast Components, by Variety — Florida: January 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	25	243
GRAPEFRUIT				
White.....	1,282	555	25	122
Colored.....	3,617	500	25	128

Maturity

Regular bloom fruit samples were collected on December 30-31, 2013 from groves on established routes in Florida's five major citrus producing areas and tested January 2-3, 2014. All comparisons are made to January 1, 2013. Solids (Brix) levels are higher for early and midseason oranges while acid levels are the same resulting in higher ratios. Late oranges have lower acid and solids, but a higher ratio. Unfinished juice per box is higher only on early oranges; solids per box is higher on early and midseason oranges.

Indian River early and midseason oranges have higher acid levels compared to other areas this month, resulting in lower ratios. Late oranges in the Indian River have lower acid and a higher ratio. Solids per box and unfinished juice per box are higher on all orange varieties in fruit from the Indian River District.

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)
ORANGES										
Early (71-74)										
Sep 1.....	1.26	1.48	9.34	9.27	7.51	6.40	46.37	42.75	4.34	3.96
Oct 1.....	0.98	1.08	9.48	9.51	9.86	8.93	47.72	46.80	4.52	4.45
Nov 1.....	0.79	0.91	10.27	10.09	13.27	11.36	51.87	44.55	5.33	4.49
Dec 1.....	0.75	0.76	10.82	10.81	14.71	14.50	51.65	51.35	5.59	5.56
Jan 1.....	0.71	0.71	11.11	11.59	15.90	16.58	50.93	50.96	5.66	5.90
Midseason (45-38)										
Sep 1.....	1.40	1.68	9.31	9.17	6.77	5.57	46.11	43.14	4.29	3.96
Oct 1.....	1.19	1.29	9.55	9.51	8.15	7.63	48.62	47.81	4.65	4.55
Nov 1.....	0.92	1.11	10.41	10.33	11.65	9.51	51.89	45.42	5.40	4.70
Dec 1.....	0.94	0.94	11.24	11.50	12.26	12.42	52.11	52.73	5.85	6.06
Jan 1.....	0.87	0.87	11.71	12.02	13.65	14.21	52.06	51.56	6.10	6.20
Late (150-148)										
Sep 1.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1.....	2.16	2.18	8.81	8.66	4.17	4.01	45.00	46.33	3.97	4.01
Nov 1.....	1.69	1.84	9.29	9.26	5.60	5.10	51.32	50.85	4.77	4.71
Dec 1.....	1.51	1.51	10.10	10.06	6.84	6.77	53.56	54.28	5.41	5.46
Jan 1.....	1.34	1.27	10.90	10.89	8.26	8.68	54.56	54.17	5.95	5.90

(NA) Not available.

Citrus Maturity Test Averages, by Areas — Florida: January 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)
ORANGES										
Early										
Indian River (5-5).....	0.68	0.72	10.92	11.57	16.41	16.26	53.86	51.65	5.88	5.98
Other Areas (66-69).....	0.71	0.71	11.13	11.59	15.86	16.60	50.70	50.91	5.64	5.90
Midseason										
Indian River (11-10).....	0.94	0.97	12.14	12.61	13.04	13.25	50.96	51.84	6.18	6.52
Other Areas (34-28).....	0.85	0.84	11.57	11.81	13.85	14.55	52.42	51.47	6.07	6.08
Late										
Indian River (27-29).....	1.41	1.23	11.08	10.97	7.90	9.03	54.06	54.61	6.00	5.98
Other Areas (123-119).....	1.32	1.28	10.86	10.88	8.34	8.59	54.67	54.06	5.94	5.88

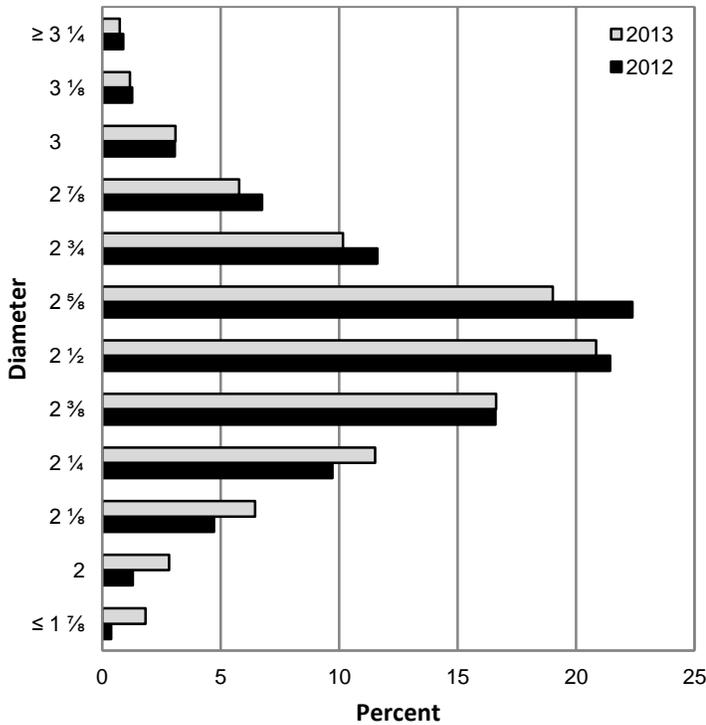
Citrus Size Frequency Measurement Distributions, by Type — Florida: December Survey

Type and number of fruit per 4/5 – bushel containers	2011	2012	2013	Type and number of fruit per 4/5 – bushel containers	2011	2012	2013
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
NON-VALENCIA ORANGES ¹				WHITE GRAPEFRUIT ²			
64 or less	4.4	1.3	1.2	32 or less	11.5	4.5	4.6
80	17.4	6.8	6.2	36	18.5	9.3	8.1
100	37.7	24.6	21.5	40	18.8	8.2	10.3
125	28.8	34.7	31.9	48	15.6	15.0	13.3
163 or more.....	11.7	32.6	39.2	56	11.3	11.9	12.7
				63 or more	24.3	51.1	51.0
VALENCIA ORANGES				COLORED GRAPEFRUIT			
64 or less	5.5	2.5	1.6	32 or less	8.9	1.9	2.0
80	24.7	11.7	9.1	36	13.5	7.1	5.6
100	38.7	32.3	27.2	40	15.7	10.8	9.3
125	23.2	31.3	32.4	48	17.4	16.3	17.4
163 or more	7.9	22.2	29.7	56	13.6	13.1	12.7
				63 or more	30.9	50.8	53.0
HONEY TANGERINES							
80 or less	23.8	11.4	8.3				
100	27.5	18.8	18.5				
120	22.4	21.6	24.9				
176	11.1	17.1	18.1				
210 or more	15.2	31.1	30.2				

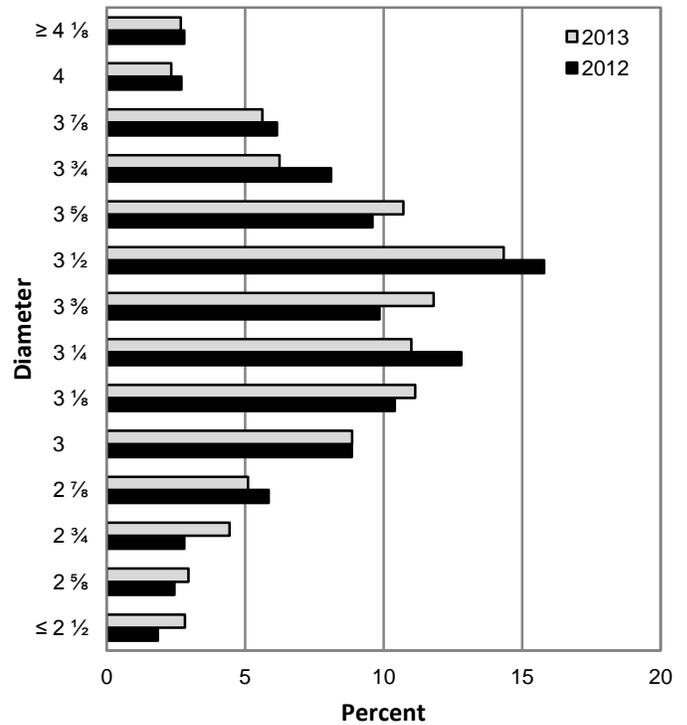
¹ Excludes Navel and Temple varieties.

² Excludes seedy.

Fruit Size Frequency Measurements, Non-Valencia Oranges ¹, by Diameter - Florida: December



Fruit Size Frequency Measurements, Colored Grapefruit, by Diameter - Florida: December



¹ Excludes Navel and Temple varieties.