



CITRUS DECEMBER FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

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December 10, 2014

Florida All Orange Production Unchanged
Florida Non-Valencia Orange Production Unchanged
Florida Valencia Orange Production Unchanged
Florida All Grapefruit Production Unchanged
Florida All Tangerine Production Down 4 Percent
Florida Tangelo Production Down 11 Percent
FCOJ Yield Remains 1.60 Gallons per Box (42° Brix)

2014-2015 SEASON FORECAST DATES	
January 12, 2015	April 9, 2015
February 10, 2015	May 12, 2015
March 10, 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)	November (1,000 boxes)	December (1,000 boxes)
Non-Valencia Oranges ²					
Florida	74,200	67,100	53,300	52,000	52,000
California ³	45,500	42,500	39,000	40,500	40,500
Texas ³	1,108	1,499	1,400	1,627	1,627
United States.....	120,808	111,099	93,700	94,127	94,127
Valencia Oranges					
Florida	72,500	66,500	51,300	56,000	56,000
California ³	12,500	12,000	11,000	10,000	10,000
Texas ³	311	289	376	345	345
United States.....	85,311	78,789	62,676	66,345	66,345
All Oranges					
Florida	146,700	133,600	104,600	108,000	108,000
California ³	58,000	54,500	50,000	50,500	50,500
Texas ³	1,419	1,788	1,776	1,972	1,972
United States.....	206,119	189,888	156,376	160,472	160,472
Grapefruit					
Florida-All	18,850	18,350	15,650	15,000	15,000
White	5,350	5,250	4,150	4,000	4,000
Colored	13,500	13,100	11,500	11,000	11,000
California ³	4,000	4,500	4,000	4,000	4,000
Texas ³	4,800	6,100	5,700	5,750	5,750
United States.....	27,650	28,950	25,350	24,750	24,750
Lemons ³					
California.....	20,500	21,000	19,000	19,000	19,000
Arizona.....	750	1,800	1,800	2,000	2,000
United States.....	21,250	22,800	20,800	21,000	21,000
Tangelos					
Florida	1,150	1,000	880	900	800
Tangerines					
Florida-All	4,290	3,280	2,900	2,600	2,500
Early ⁴	2,330	1,910	1,750	1,500	1,400
Honey	1,960	1,370	1,150	1,100	1,100
California ^{3,5}	10,800	13,000	14,500	16,000	16,000
Arizona ^{3,5}	200	200	200	220	220
United States.....	15,290	16,480	17,600	18,820	18,720

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 Estimates carried forward from October.

⁴ Fallglo and Sunburst varieties.

⁵ Includes tangelos and tangors.

All Oranges 108.0 Million Boxes

The 2014-2015 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 108.0 million boxes, unchanged from the initial forecast in October. If realized, this forecast will be 3 percent more than last season's production. The forecast consists of 52.0 million boxes of the non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 56.0 million boxes of the Valencia oranges. Regression data used are from the 2006-2007 through 2013-2014 seasons. For those previous 8 seasons, the December forecast has deviated from final production by an average of 5 percent, with 7 seasons above and 1 below, and with differences ranging from 1 percent below to 16 percent above. All references to "average", "minimum", and "maximum" refer to the previous 8 seasons unless noted.

Non-Valencia Oranges 52.0 Million Boxes

The forecast of non-Valencia production is unchanged at 52.0 million boxes. Current size is below the minimum and projected to be below the minimum until harvest. Current droppage is above average, and is projected to be closer to the maximum at harvest. The Navel forecast, included in the non-Valencia forecast, is unchanged at 1.5 million boxes. If realized, this utilization will be the lowest in the series which began in 1979-1980. Final Navel size is lower than average and final droppage at 21 percent is well above average.

Valencia Oranges 56.0 Million Boxes

The forecast of Valencia production is unchanged at 56.0 million boxes. Current fruit size is slightly above the minimum and is projected to be above the minimum at harvest. Current droppage is close to the maximum and projected to be close to the maximum at harvest.

All Grapefruit 15.0 Million Boxes

The forecast of all grapefruit production remains at 15.0 million boxes. The white grapefruit forecast is unchanged at 4.0 million boxes. The colored grapefruit forecast is unchanged at 11.0 million boxes. Current fruit size of white grapefruit is slightly above the minimum and droppage is above average. Current fruit size of colored grapefruit is less than average and droppage is close to the maximum.

All Tangerines 2.50 Million Boxes

The forecast of all tangerine production is reduced 100,000 boxes to 2.50 million boxes. The reduction affects the early tangerines (Fallglo and Sunburst varieties). The early tangerine forecast is now 1.40 million boxes, consisting of 400,000 boxes of Fallglo tangerines and 1.00 million boxes of Sunburst tangerines. The forecast of the later maturing Honey variety is unchanged at 1.10 million boxes. Projected Honey fruit size is near the minimum, while projected droppage at 42 percent is close to the maximum.

Tangelos 800 Thousand Boxes

The forecast of tangelo production is reduced to 800 thousand boxes. Tangelo final fruit size for the season is below average and approximately 296 pieces of fruit are required to fill a 1-3/5 bushel box. At 15 percent, final droppage is above the maximum.

FCOJ Yield 1.60 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) remains at 1.60 gallons per box of 42° Brix concentrate. Last season's final yield for all oranges was 1.569080 gallons per box, as reported by the Florida Department of Citrus. Yield projections for the early-midseason and late components will be published in January. All projections of yield assume the processing relationships this season will be similar to those of the past several seasons.

Maturity

Regular bloom fruit samples were collected on November 24-25, 2014 from groves on established routes in Florida's five major citrus producing areas and tested December 1-3, 2014. All comparisons are made to December 1, 2013. Acid levels are higher for early and midseason oranges, but lower for late oranges and both white and colored grapefruit. Solids (Brix) levels are lower for all varieties. Ratios are lower on all varieties except white grapefruit, which is the same as last season. Unfinished juice per box is higher on all varieties except late oranges, and solids per box is lower on all varieties.

All Indian River comparisons are made to fruit from the other areas for this test period. Indian River fruit has lower acids only on midseason oranges, but has higher Brix levels on all varieties. Ratios are higher on all orange varieties but lower on white and colored grapefruit. Unfinished juice per box is higher only on white grapefruit and solids per box is lower only on midseason oranges.

Forecast Components, by Variety — Florida: December 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	22,707	890	20	287
Navel	970	295	21	139
Valencia.....	31,190	624	28	235
GRAPEFRUIT				
White	1,199	477	22	117
Colored.....	3,374	445	22	119

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)
ORANGES										
Early (117-119)										
Sep 1.....	1.47	1.39	9.24	9.11	6.40	6.68	42.37	43.74	3.91	3.98
Oct 1.....	(NA)	1.01	(NA)	9.04	(NA)	9.10	(NA)	49.00	(NA)	4.43
Nov 1.....	0.89	0.88	10.04	9.68	11.52	11.28	44.57	51.53	4.47	4.99
Dec 1.....	0.75	0.79	10.72	10.31	14.58	13.15	51.23	51.61	5.50	5.32
Midseason (54-55)										
Sep 1.....	1.68	1.53	9.26	9.10	5.60	6.05	43.28	44.18	4.01	4.02
Oct 1.....	(NA)	1.14	(NA)	9.09	(NA)	8.08	(NA)	49.77	(NA)	4.52
Nov 1.....	1.10	1.01	10.29	9.80	9.59	9.96	45.68	52.25	4.71	5.50
Dec 1.....	0.93	0.95	11.45	10.75	12.51	11.68	52.63	53.31	6.03	5.73
Late (148-150)										
Sep 1.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1.....	(NA)	2.08	(NA)	8.69	(NA)	4.23	(NA)	45.17	(NA)	3.92
Nov 1.....	1.84	1.76	9.26	9.10	5.10	5.22	50.85	50.35	4.71	4.58
Dec 1.....	1.51	1.48	10.06	9.70	6.77	6.62	54.28	53.83	5.46	5.22
GRAPEFRUIT										
White Seedless (49-50)										
Sep 1.....	1.78	1.64	10.08	9.97	5.70	6.11	31.46	34.69	3.17	3.46
Oct 1.....	(NA)	1.47	(NA)	9.76	(NA)	6.68	(NA)	38.25	(NA)	3.73
Nov 1.....	1.54	1.38	10.21	9.72	6.68	7.11	39.49	42.77	4.03	4.16
Dec 1.....	1.45	1.34	10.53	9.76	7.33	7.33	41.17	44.01	4.33	4.30
Colored Seedless (47-45)										
Sep 1.....	1.70	1.64	9.99	9.91	5.91	6.08	33.07	34.89	3.30	5.61
Oct 1.....	(NA)	1.44	(NA)	9.60	(NA)	6.69	(NA)	38.96	(NA)	3.74
Nov 1.....	1.43	1.42	10.15	9.93	7.14	7.04	40.59	42.94	4.12	4.26
Dec 1.....	1.36	1.33	10.74	10.24	7.96	7.72	43.03	44.83	4.62	4.59

NA Not available.

Citrus Maturity Test Averages, by Areas — Florida: December 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)
ORANGES										
Early										
Indian River (8-9).....	0.74	0.80	10.88	10.71	15.09	13.50	48.64	50.82	5.29	5.44
Other Areas (109-110).....	0.75	0.79	10.71	10.28	14.54	13.12	51.42	51.68	5.51	5.31
Midseason										
Indian River (11-11).....	1.02	0.93	11.73	10.99	11.58	12.20	50.97	51.92	5.98	5.70
Other Areas (43-44).....	0.91	0.95	11.38	10.70	12.75	11.55	53.06	53.66	6.04	5.73
Late										
Indian River (29-29).....	1.49	1.51	10.30	9.98	7.01	6.65	53.27	53.77	5.48	5.36
Other Areas (119-121).....	1.51	1.47	10.01	9.64	6.71	6.61	54.52	53.85	5.45	5.19
GRAPEFRUIT										
White Seedless										
Indian River (38-38).....	1.47	1.37	10.72	9.95	7.37	7.32	40.63	44.11	4.35	4.39
Other Areas (11-12).....	1.38	1.25	9.90	9.18	7.19	7.36	43.06	43.70	4.26	4.01
Colored Seedless										
Indian River (38-39).....	1.37	1.35	10.77	10.27	7.93	7.66	43.22	44.83	4.66	4.60
Other Areas (9-6).....	1.32	1.25	10.63	10.07	8.08	8.06	42.25	44.87	4.49	4.51

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

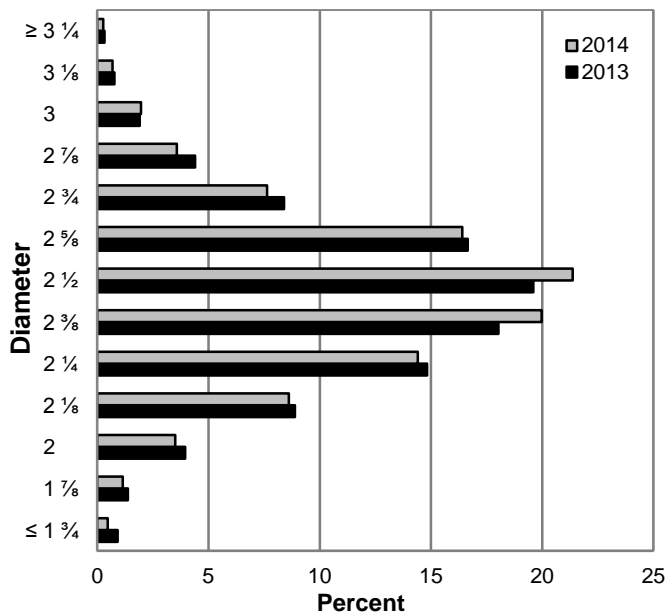
Type and number of fruit per 4/5 bushel containers	2012	2013	2014	Type and number of fruit per 4/5 bushel containers	2012	2013	2014
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
NON-VALENCIA ORANGES ¹				WHITE GRAPEFRUIT ²			
64 or less	0.7	0.7	0.5	32 or less	2.6	2.3	2.2
80	4.6	4.0	4.0	36	7.6	6.7	7.6
100	19.8	17.7	15.4	40	9.5	8.2	10.5
125	34.5	29.6	32.0	48	12.5	13.6	15.0
163 or more	40.4	48.0	48.1	56	11.6	10.7	13.9
				63 or more	56.2	58.5	50.8
NAVEL ORANGES				COLORED GRAPEFRUIT			
64 or less	43.4	34.8	40.7	32 or less	0.9	1.4	2.1
80	30.8	29.1	30.5	36	4.6	4.4	6.1
100	18.3	20.4	19.5	40	8.4	8.0	10.8
125	5.2	10.0	6.9	48	13.9	11.8	15.4
163 or more	2.3	5.7	2.4	56	13.1	12.1	14.5
				63 or more	59.1	62.3	51.1
VALENCIA ORANGES				HONEY TANGERINES			
64 or less	1.2	0.7	0.6	80 or less	7.7	1.8	3.8
80	7.6	5.6	5.9	100	14.0	11.3	13.7
100	26.5	20.6	22.9	120	23.5	19.9	20.1
125	35.2	31.8	35.6	176	13.3	17.1	12.5
163 or more	29.5	41.3	35.0	210 or more	41.5	49.9	49.9
TANGELOS				SUNBURST TANGERINES			
80 or less	22.9	19.6	23.3	100 or less	7.8	11.3	10.6
100	26.7	20.6	26.5	120	21.6	16.3	15.9
120	25.6	20.9	18.3	176	12.2	14.2	15.4
156 or more	24.8	38.9	31.9	210 or more	58.4	58.2	58.1

¹ Excludes Navel and Temple varieties.

² Excludes seedy.

The charts below show the distribution of fruit sizes in 2014 compared to 2013. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

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



¹ Excludes Navel and Temple varieties.

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

