



CITRUS MATURITY TEST RESULTS AND FRUIT SIZE

FEBRUARY FORECAST

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

February 9, 2012

All Orange Production Down 1 Percent from January
Non-Valencia Orange Production Unchanged
Valencia Orange Production Down 1 Percent
All Grapefruit Production Down 3 Percent
All Tangerine Production Down 2 Percent
Tangelo Production Unchanged
FCOJ Yield 1.63 Gallons per Box (42° Brix)

FORECAST DATES	2011-2012 SEASON
March 9, 2012	June 12, 2012
April 10, 2012	July 11, 2012
	May 10, 2012

Citrus Production by Type and State – United States

Crop and State	Production			2011-2012 Forecast	
	2008-2009 (1,000 boxes)	2009-2010 (1,000 boxes)	2010-2011 (1,000 boxes)	January (1,000 boxes)	February (1,000 boxes)
Non-Valencia Oranges ¹					
Florida	84,600	68,600	70,300	73,000	73,000
California ²	34,500	42,500	48,000	44,000	44,000
Texas ²	1,300	1,360	1,700	1,292	1,292
Arizona ^{2,3}	150				
United States	120,550	112,460	120,000	118,292	118,292
Valencia Oranges					
Florida	77,900	65,100	70,000	74,000	73,000
California ²	12,000	15,000	13,500	13,500	13,500
Texas ²	159	275	249	334	334
Arizona ^{2,3}	100				
United States	90,159	80,375	83,749	87,834	86,834
All Oranges					
Florida	162,500	133,700	140,300	147,000	146,000
California ²	46,500	57,500	61,500	57,500	57,500
Texas ²	1,459	1,635	1,949	1,626	1,626
Arizona ^{2,3}	250				
United States	210,709	192,835	203,749	206,126	205,126
Grapefruit					
Florida-All	21,700	20,300	19,750	19,200	18,700
White	6,600	6,000	5,850	5,200	5,200
Colored	15,100	14,300	13,900	14,000	13,500
California ²	4,800	4,500	4,100	3,300	3,300
Texas ²	5,500	5,600	6,300	4,977	4,977
Arizona ^{2,3}	25				
United States	32,025	30,400	30,150	27,477	26,977
Lemons					
California ²	21,000	21,000	21,000	19,500	19,500
Arizona ²	3,000	2,200	2,500	700	700
United States	24,000	23,200	23,500	20,200	20,200
Tangelos					
Florida	1,150	900	1,150	1,100	1,100
Tangerines					
Florida-All	3,850	4,450	4,650	4,400	4,300
Early ⁴	2,550	2,250	2,600	2,400	2,400
Honey	1,300	2,200	2,050	2,000	1,900
California ⁵	6,700	9,900	9,900	10,300	10,300
Arizona ^{2,5}	250	350	300	200	200
United States	10,800	14,700	14,850	14,900	14,800

¹ Early, midseason, Navel, and Temple varieties

² Estimates carried forward from January.

³ Estimates discontinued beginning with the 2009-2010 crop year.

⁴ Fallglo and Sunburst varieties.

⁵ Includes tangelos and tangors.

All Oranges 146.0 Million Boxes

The 2011-2012 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 146.0 million boxes, down 1 percent from last month's forecast, but 4 percent more than last season's production. The total is comprised of 73.0 million boxes of the non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 73.0 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 February forecast has deviated from final production by an average of 3 percent with 2 seasons above and 6 below, with differences ranging from 4 percent below to 9 percent above. All references in this release to "average", "minimum", or "maximum" refer to the previous 8 non-hurricane seasons unless noted.

Non-Valencia Oranges 73.0 Million Boxes

The forecast of non-Valencia production is continued at 73.0 million boxes. Final size and drop measurement were completed in December and the only new indicator is the Row Count Survey. The survey conducted on January 30-31, 2012 shows 80 percent of the rows have been harvested. Estimated utilization to February 1, 2012, including non-certified use, is 59.9 million boxes. The Navel portion in the non-Valencia forecast is 2.6 million boxes, 4 percent of the total.

Valencia Oranges Reduced to 73.0 Million Boxes

The forecast of Valencia production is lowered by 1.0 million boxes to 73.0 million. Current fruit size is close to average and is expected to be about average at harvest. At current projections, it will take 207 pieces of fruit to fill a 90-pound equivalent box, up from 206 pieces last month. Projected droppage is unchanged at 16 percent, about one percentage point higher than average. Picking of Valencia oranges is just beginning with less than one million boxes certified as of February 1, 2012.

All Grapefruit 18.7 Million Boxes

The forecast of all grapefruit production is reduced by 500 thousand boxes to 18.7 million boxes. The white grapefruit forecast remains unchanged at 5.2 million boxes. As projected, white grapefruit final size is below average and final droppage is well above the average of the seasons used in the regression. The colored grapefruit forecast is reduced by 500 thousand boxes to 13.5 million boxes. Final fruit size for colored grapefruit ended lower than projected and droppage exceeded the maximum of the seasons used in the regressions.

All Tangerines 4.3 Million Boxes

The forecast of all tangerine production is reduced 100 thousand boxes to 4.3 million boxes. The harvest of the early tangerines (Fallglo and Sunburst) is over for the season and the forecast remains at 2.4 million boxes. The reduction is in the later maturing Honey variety, now forecasted at 1.9 million boxes. The primary reasons for the decrease are smaller than projected average size and higher than projected droppage. The Row Count Survey conducted January 30-31, 2012 shows 32 percent of the rows harvested.

Tangelos 1.1 Million Boxes

The forecast of tangelo production remains unchanged from the initial forecast of 1.1 million boxes. Certified utilization surpassed over 900,000 boxes according to the Citrus Administrative Committee's report dated January 29, 2012. The Row Count Survey shows more than three-quarters of the rows harvested.

FCOJ Yield 1.63 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is raised to 1.63 gallons per box of 42° Brix concentrate. The yield projection for the non-Valencia oranges remains at 1.54 gallons per box while the projection for Valencia oranges is now 1.73 gallons per box. Last season's final yield for all oranges was 1.586081 gallons per box, as reported by the Florida Department of Citrus. Last season's final yield for the components were 1.522652 for non-Valencia oranges and 1.664737 for Valencia oranges.

Forecast Components, by Variety — Florida: February 2012

[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.....	23,909	919	13	235
Navel.....	1,046	481	17	137
Valencia.....	32,467	567	16	207
GRAPEFRUIT				
White.....	1,377	443	16	101
Colored.....	3,486	430	18	105

Maturity

Regular bloom fruit samples were collected from groves on established routes on January 30-31, 2012 in Florida's five major citrus producing areas and tested February 1-2, 2012. Acid levels are lower than the previous season on all orange varieties; solids (Brix) are higher on early and late oranges. The result is higher ratios this season on all orange varieties. Unfinished juice per box this month is down for all oranges compared to last month. Solids per box is also higher for all varieties compared to last month. Indian River acid levels and solids (Brix) for late oranges are higher than in other areas, with lower ratios. Unfinished juice and solids per box are also higher for Indian River fruit.

Citrus Unadjusted Maturity Tests — Florida: 2010-2011 and 2011-2012

[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	
	2010-2011	2011-2012	2010-2011	2011-2012	2010-2011	2011-2012	2010-2011	2011-2012	2010-2011	2011-2012
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Early (28-24)										
Sep 1.....	1.74	1.42	9.19	9.58	5.34	6.81	41.08	45.31	3.77	4.34
Oct 1.....	1.33	1.04	9.54	9.96	7.25	9.76	46.98	49.06	4.48	4.88
Nov 1.....	1.00	0.83	10.41	10.71	10.69	13.36	50.52	49.91	5.25	5.35
Dec 1.....	0.84	0.73	11.18	11.38	13.60	15.78	50.05	50.73	5.59	5.78
Jan 1.....	0.84	0.72	11.65	12.05	14.08	17.06	48.62	52.11	5.67	6.27
Feb 1.....	0.74	0.71	12.48	12.60	17.03	17.98	45.97	50.41	5.74	6.36
Midseason (13-17)										
Sep 1.....	1.94	1.53	9.32	9.38	4.84	6.23	41.43	46.00	3.86	4.31
Oct 1.....	1.58	1.11	9.28	9.87	5.99	9.04	45.07	49.62	4.18	4.90
Nov 1.....	1.14	0.95	10.25	10.60	9.17	11.42	47.70	52.56	4.89	5.57
Dec 1.....	1.00	0.82	11.42	11.41	11.64	14.21	49.03	54.02	5.60	6.17
Jan 1.....	0.95	0.75	11.84	11.79	12.57	15.86	49.93	51.08	5.91	6.04
Feb 1.....	0.85	0.79	13.04	12.36	15.52	15.77	47.16	50.51	6.16	6.25
Late (147-147)										
Sep 1.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1.....	2.56	2.11	8.94	8.92	3.52	4.29	43.84	48.53	3.92	4.33
Nov 1.....	2.01	1.53	9.67	9.45	4.86	6.32	48.84	51.57	4.72	4.87
Dec 1.....	1.62	1.37	10.41	10.31	6.51	7.66	51.44	55.03	5.36	5.68
Jan 1.....	1.49	1.17	11.05	11.36	7.47	9.87	50.98	55.98	5.63	6.36
Feb 1.....	1.30	1.11	11.98	12.14	9.34	11.07	50.83	55.71	6.09	6.76

(NA) Not available.

Citrus Maturity Test Averages, by Areas — Florida: February 1, 2010-2011 and 2011-2012

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2010-2011	2011-2012	2010-2011	2011-2012	2010-2011	2011-2012	2010-2011	2011-2012	2010-2011	2011-2012
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Late										
Indian River (27-27).....	1.43	1.21	12.23	12.41	8.58	10.38	49.67	57.56	6.09	7.14
Other Areas (120-120).....	1.27	1.09	11.92	12.08	9.51	11.23	51.09	55.29	6.09	6.68

Fruit Size Comparisons by Types to Previous Seasons

Size frequency distributions from the January size survey are shown in the following table. 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.

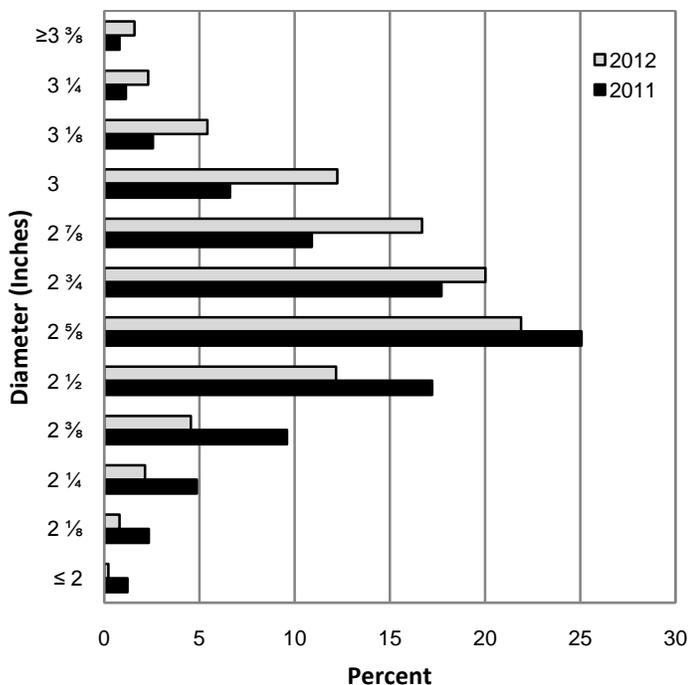
Citrus Size Frequency Measurement Distributions, by Type — Florida: January Survey

Type and number of fruit per 4/5 – bushel containers	2010 (percent)	2011 (percent)	2012 (percent)	Type and number of fruit per 4/5 – bushel containers	2010 (percent)	2011 (percent)	2012 (percent)
VALENCIA ORANGES				WHITE GRAPEFRUIT ¹			
64 or less	3.8	2.8	5.9	32 or less	14.3	9.4	14.0
80	19.2	13.1	23.8	36	23.7	20.2	19.1
100	39.6	34.7	38.9	40	17.7	19.5	16.3
125	24.5	31.4	23.7	48	17.8	18.3	17.5
163 or more	12.9	18.0	7.7	56	11.3	12.4	10.3
				63 or more	15.2	20.2	22.8
HONEY TANGERINES				COLORED GRAPEFRUIT			
80 or less	23.9	18.0	24.2	32 or less	5.1	5.3	10.8
100	32.2	33.4	25.0	36	11.4	12.6	16.0
120	25.4	24.6	23.0	40	18.2	15.2	15.4
176	9.2	9.6	11.7	48	21.9	20.2	18.2
210 or more	9.3	14.4	16.1	56	15.7	16.1	11.9
				63 or more	27.7	30.6	27.7

¹ Excludes seedy.

The charts below show the distribution of fruit sizes in 2012 compared to 2011. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

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



Fruit Size Frequency Measurements, White Seedless Grapefruit, by Diameter - Florida: January Survey

