



# CITRUS JANUARY FORECAST

## MATURITY TEST RESULTS AND FRUIT SIZE

Cooperating with the Florida Department of Agriculture & Consumer Services  
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January 11, 2013

**All Orange Production Down 3 Percent from December**  
**Non-Valencia Orange Production Down 1 Percent**  
**Valencia Orange Production Down 4 Percent**  
**All Grapefruit Production Unchanged**  
**All Tangerine Production Unchanged**  
**Tangelo Production Unchanged**  
**FCOJ Yield Unchanged at 1.61 Gallons per Box (42° Brix)**

FORECAST DATES	—	2012-2013 SEASON
[Release time 12:00 p.m. EDT]		
February 8, 2013		May 10, 2013
March 8, 2013		June 12, 2013
April 10, 2013		July 11, 2013

### Citrus Production by Type and State – United States

Crop and State	Production <sup>1</sup>			2012-2013 Forecasted Production <sup>1</sup>	
	2009-2010 (1,000 boxes)	2010-2011 (1,000 boxes)	2011-2012 (1,000 boxes)	December (1,000 boxes)	January (1,000 boxes)
<b>Non-Valencia Oranges<sup>2</sup></b>					
Florida.....	68,600	70,300	74,200	67,000	66,000
California.....	42,500	48,000	45,500	46,500	46,500
Texas.....	1,360	1,700	1,108	1,130	1,220
United States.....	112,460	120,000	120,808	114,630	113,720
<b>Valencia Oranges</b>					
Florida.....	65,100	70,200	72,400	79,000	76,000
California.....	15,000	14,500	13,500	13,000	13,000
Texas.....	275	249	311	286	286
United States.....	80,375	84,949	86,211	92,286	89,286
<b>All Oranges</b>					
Florida.....	133,700	140,500	146,600	146,000	142,000
California.....	57,500	62,500	59,000	59,500	59,500
Texas.....	1,635	1,949	1,419	1,416	1,506
United States.....	192,835	204,949	207,019	206,916	203,006
<b>Grapefruit</b>					
Florida-All.....	20,300	19,750	18,850	18,000	18,000
White.....	6,000	5,850	5,350	5,000	5,000
Colored.....	14,300	13,900	13,500	13,000	13,000
California.....	4,500	4,310	4,400	4,000	4,000
Texas.....	5,600	6,300	4,800	5,280	5,280
United States.....	30,400	30,360	28,050	27,280	27,280
<b>Lemons</b>					
California.....	21,000	20,500	20,500	20,500	20,500
Arizona.....	2,200	2,500	750	1,700	1,800
United States.....	23,200	23,000	21,250	22,200	22,300
<b>Tangelos</b>					
Florida.....	900	1,150	1,150	1,100	1,100
<b>Tangerines</b>					
Florida-All.....	4,450	4,650	4,290	3,800	3,800
Early <sup>3</sup> .....	2,250	2,600	2,330	2,000	2,000
Honey.....	2,200	2,050	1,960	1,800	1,800
California <sup>4</sup> .....	9,900	10,600	10,900	11,800	11,800
Arizona <sup>4</sup> .....	350	300	200	200	200
United States.....	14,700	15,550	15,390	15,800	15,800

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> Fallglo and Sunburst varieties.

<sup>4</sup> Includes tangelos and tangors.

## All Oranges 142.0 Million Boxes

The 2012-2013 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 142.0 million boxes, down 3 percent from December and 3 percent less than last season's production. The total is comprised of 66.0 million boxes of the non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 76.0 million boxes of Valencia oranges. The Navel orange forecast is increased 300,000 boxes to 2.2 million boxes, 3 percent of the non-Valencia total.

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 2 percent with 4 seasons above and 4 below, with differences ranging from 3 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 66.0 Million Boxes

The forecast of non-Valencia production is lowered by 1.0 million boxes to 66.0 million boxes. Final size is close to the minimum, requiring 274 pieces of fruit to fill a 90-pound box; final droppage at 18 percent is the highest recorded since the 1969-1970 season. The Navel forecast, included in the non-Valencia forecast, is increased by 300,000 boxes to 2.2 million boxes. Navel harvest is relatively complete for the season, dropping to an estimated 27,000 boxes harvested the last week of December.

## Valencia Oranges 76.0 Million Boxes

The forecast of Valencia production is lowered by 3.0 million boxes to 76.0 million boxes. Current fruit size is near the minimum and is projected to be near the minimum at harvest. Current droppage continues to be about average and is projected to be about average at harvest.

## All Grapefruit 18.0 Million Boxes

The forecast of all grapefruit production is unchanged at 18.0 million boxes. The white grapefruit forecast continues at 5.0 million boxes; the colored grapefruit forecast remains at 13.0 million boxes. Current fruit size for both white and colored grapefruit is below the minimum and 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 3.8 Million Boxes

The forecast of all tangerine production remains at 3.8 million boxes. The early tangerine forecast (Fallglo and Sunburst) is unchanged at 2.0 million boxes. The forecast of the later maturing Honey variety continues at 1.8 million boxes. Early tangerine estimated utilization reached over 1.9 million boxes as of January. Fallglo tangerine harvest is complete, while Sunburst estimated utilization dropped below 40,000 boxes during the last two weeks of December. Projected Honey fruit size is slightly above the minimum while the droppage rate is slightly below the maximum.

## Tangelos 1.1 Million Boxes

The forecast of tangelo production is unchanged at 1.1 million boxes. The Row Count survey conducted December 26-27, 2012 showed 23 percent of the rows were harvested. Components were final last month with size below average and droppage above the maximum.

## 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 1.50 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 1.628480 gallons per box, as reported by the Florida Department of Citrus.

## Forecast Components, by Variety — Florida: January 2013

[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)
<b>ORANGES</b>				
Early-midseason.....	23,741	1,032	18	274
Navel.....	1,013	409	27	137
Valencia.....	32,049	661	16	228
<b>GRAPEFRUIT</b>				
White.....	1,314	550	22	122
Colored.....	3,581	492	22	122

## Maturity

Regular bloom fruit samples were collected on December 26-27, 2012 from groves on established routes in Florida's five major citrus producing areas and tested December 28. All comparisons are made to January 1, 2012. Solids (Brix) levels are lower and acid levels are higher for all orange types resulting in lower ratios. Unfinished juice per box and solids per box are lower for all orange types.

Only the Indian River early oranges have a lower acid level when compared to other areas this month, resulting in a higher ratio. Unfinished juice per box is higher only for early oranges from the Indian River District. This month, solids per box are higher for all orange types in the Indian River District when compared to the 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)
<b>ORANGES</b>										
Early (60-71)										
Sep 1.....	1.39	1.26	9.56	9.34	6.94	7.51	45.10	46.37	4.31	4.34
Oct 1.....	0.99	0.98	9.92	9.48	10.12	9.86	49.17	47.72	4.87	4.52
Nov 1.....	0.81	0.79	10.49	10.27	13.43	13.27	50.43	51.87	5.29	5.33
Dec 1.....	0.73	0.75	11.23	10.82	15.66	14.71	51.30	51.65	5.76	5.59
Jan 1.....	0.68	0.71	11.94	11.11	17.82	15.90	51.76	50.93	6.18	5.66
Midseason (40-45)										
Sep 1.....	1.53	1.40	9.36	9.31	6.22	6.77	45.89	46.11	4.29	4.29
Oct 1.....	1.12	1.19	9.78	9.55	8.92	8.15	49.79	48.62	4.87	4.65
Nov 1.....	0.90	0.92	10.51	10.41	12.04	11.65	52.50	51.89	5.52	5.40
Dec 1.....	0.81	0.94	11.48	11.24	14.37	12.26	53.30	52.11	6.12	5.85
Jan 1.....	0.75	0.87	11.75	11.71	15.76	13.65	52.17	52.06	6.14	6.10
Late (150-150)										
Sep 1.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1.....	2.09	2.16	8.92	8.81	4.32	4.17	48.57	45.00	4.33	3.97
Nov 1.....	1.53	1.69	9.45	9.29	6.32	5.60	51.56	51.32	4.87	4.77
Dec 1.....	1.37	1.51	10.31	10.10	7.67	6.84	55.06	53.56	5.68	5.41
Jan 1.....	1.17	1.34	11.37	10.90	9.88	8.26	55.83	54.56	6.35	5.95

(NA) Not available.

### Citrus Maturity Test Averages, by Areas — Florida: January 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)
<b>ORANGES</b>										
Early										
Indian River (6-5).....	0.73	0.68	11.94	10.92	16.97	16.41	49.91	53.86	5.97	5.88
Other Areas (54-66).....	0.67	0.71	11.93	11.13	17.92	15.86	51.97	50.70	6.20	5.64
Midseason										
Indian River (11-11).....	0.82	0.94	12.19	12.14	15.10	13.04	52.19	50.96	6.39	6.18
Other Areas (29-34).....	0.73	0.85	11.58	11.57	16.00	13.85	52.16	52.42	6.05	6.07
Late										
Indian River (27-27).....	1.23	1.41	11.75	11.08	9.72	7.90	55.47	54.06	6.51	6.00
Other Areas (123-123).....	1.16	1.32	11.28	10.86	9.92	8.34	55.91	54.67	6.31	5.94

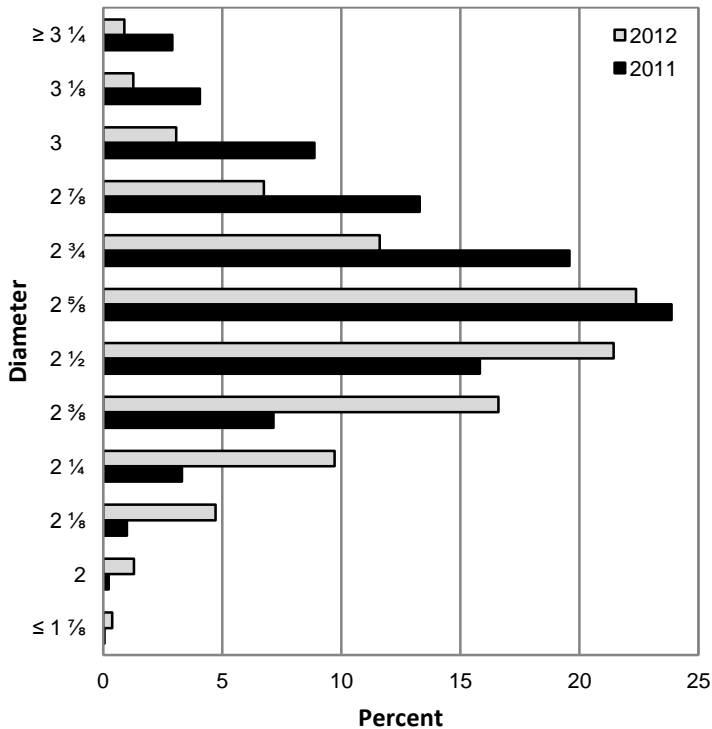
### Citrus Size Frequency Measurement Distributions, by Type — Florida: December Survey

Type and number of fruit per 4/5 – bushel containers	2010	2011	2012	Type and number of fruit per 4/5 – bushel containers	2010	2011	2012
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
<b>NON-VALENCIA ORANGES <sup>1</sup></b>				<b>WHITE GRAPEFRUIT <sup>2</sup></b>			
64 or less .....	0.8	4.4	1.3	32 or less .....	7.2	11.5	4.5
80 .....	6.0	17.4	6.8	36 .....	19.6	18.5	9.3
100 .....	24.8	37.7	24.6	40 .....	17.7	18.8	8.2
125 .....	37.6	28.8	34.7	48 .....	19.0	15.6	15.0
163 or more.....	30.8	11.7	32.6	56 .....	13.9	11.3	11.9
				63 or more .....	22.6	24.3	51.1
<b>VALENCIA ORANGES</b>				<b>COLORED GRAPEFRUIT</b>			
64 or less .....	1.8	5.5	2.5	32 or less .....	3.4	8.9	1.9
80 .....	10.3	24.7	11.7	36 .....	11.5	13.5	7.1
100 .....	33.1	38.7	32.3	40 .....	13.6	15.7	10.8
125 .....	34.2	23.2	31.3	48 .....	19.8	17.4	16.3
163 or more .....	20.6	7.9	22.2	56 .....	16.6	13.6	13.1
				63 or more .....	35.1	30.9	50.8
<b>HONEY TANGERINES</b>							
80 or less .....	9.6	23.8	11.4				
100 .....	27.0	27.5	18.8				
120 .....	34.5	22.4	21.6				
176 .....	11.9	11.1	17.1				
210 or more .....	17.0	15.2	31.1				

<sup>1</sup> Excludes Navel and Temple varieties.

<sup>2</sup> Excludes seedy.

**Fruit Size Frequency Measurements, Non-Valencia Oranges <sup>1</sup>, by Diameter - Florida: December**



<sup>1</sup> Excludes Navel and Temple varieties.

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

