



CITRUS MATURITY TEST RESULTS AND FRUIT SIZE

DECEMBER FORECAST

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December 10, 2010

All Orange Production Down 2 Percent from October
Non-Valencia Orange Production Down 1 Percent
Valencia Orange Production Down 3 Percent
All Grapefruit Production Down 2 Percent
All Tangerine Production Down 2 Percent
Tangelo Production Unchanged
FCOJ Yield Unchanged

FORECAST DATES	–	2010-2011 SEASON
January 12, 2011		April 8, 2011
February 9, 2011		May 11, 2011
March 10, 2011		June 9, 2011
		July 12, 2011

Citrus Production by Type and State – United States

Crop and State	Production			2010-2011 Forecast	
	2007-2008 (1,000 boxes)	2008-2009 (1,000 boxes)	2009-2010 (1,000 boxes)	October (1,000 boxes)	December (1,000 boxes)
Non-Valencia Oranges ¹					
Florida.....	83,500	84,600	68,600	69,000	68,000
California	45,000	34,500	42,500	46,500	46,500
Texas	1,600	1,300	1,360	1,400	1,400
Arizona ²	230	150			
United States.....	130,330	120,550	112,460	116,900	115,900
Valencia Oranges					
Florida.....	86,700	77,900	65,000	77,000	75,000
California	17,000	12,000	14,000	14,000	14,000
Texas	196	159	275	290	290
Arizona ²	150	100			
United States.....	104,046	90,159	79,275	91,290	89,290
All Oranges					
Florida.....	170,200	162,500	133,600	146,000	143,000
California	62,000	46,500	56,500	60,500	60,500
Texas	1,796	1,459	1,635	1,690	1,690
Arizona ²	380	250			
United States.....	234,376	210,709	191,735	208,190	205,190
Grapefruit					
Florida-All.....	26,600	21,700	20,300	20,000	19,600
White.....	9,000	6,600	6,000	6,000	5,600
Colored.....	17,600	15,100	14,300	14,000	14,000
California	5,200	4,800	4,200	3,800	3,800
Texas	6,000	5,500	5,600	5,500	5,500
Arizona ²	100	25			
United States.....	37,900	32,025	30,100	29,300	28,900
Lemons					
California	14,800	21,000	20,500	21,000	21,000
Arizona	1,500	3,000	2,200	2,700	2,700
United States.....	16,300	24,000	22,700	23,700	23,700
Tangelos					
Florida.....	1,500	1,150	900	1,100	1,100
Tangerines					
Florida-All.....	5,500	3,850	4,450	4,500	4,400
Early ³	2,600	2,550	2,250	2,700	2,600
Honey.....	2,900	1,300	2,200	1,800	1,800
California ⁴	6,700	6,700	9,900	10,000	10,000
Arizona ⁴	400	250	350	300	300
United States.....	12,600	10,800	14,700	14,800	14,700

¹ Early, midseason, Navel, and Temple varieties.

² Estimates discontinued beginning with the 2009-2010 crop year.

³ Fallglo and Sunburst varieties.

⁴ Includes tangelos and tangors.

All Oranges 143.0 Million Boxes

The 2010-2011 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 143.0 million boxes, down 2 percent from October but 7 percent more than last season's production. The total is comprised of 68.0 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 75.0 million boxes of Valencia oranges. The Navel orange forecast remains 2.8 million boxes, 4 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 December forecast has deviated from final production by an average of 3 percent with 6 seasons above and 2 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 noted.

Non-Valencia Oranges 68.0 Million Boxes

The forecast of non-Valencia production is reduced by 1.0 million boxes to 68.0 million boxes. Current size and droppage are below the minimum. Fruit size is projected to be the smallest in any non-disaster season and droppage is projected to be above the minimum but below average. The Navel forecast, included in the non-Valencia forecast, remains unchanged from the initial forecast of 2.8 million boxes. Final Navel size and droppage measurements are below the previous projections. The Navel size is the smallest and the droppage is the lowest recorded in a series which began in the 1986-1987 season.

Valencia Oranges 75.0 Million Boxes

The forecast of Valencia production is reduced by 2.0 million boxes to 75.0 million boxes. Fruit size continues to be smaller than last season and final size is projected below the minimum. Current droppage is near minimum and projected to be below average.

All Grapefruit 19.6 Million Boxes

The forecast of all grapefruit production is reduced by 400 thousand boxes to 19.6 million boxes. The white grapefruit forecast is reduced by 400 thousand boxes to 5.6 million boxes. The colored grapefruit forecast of 14.0 million boxes remains unchanged. White grapefruit size is lower than the previous projection while droppage is higher. Colored grapefruit size and droppage are both lower than the previous projection.

All Tangerines 4.4 Million Boxes

The forecast of all tangerine production is reduced 100 thousand boxes to 4.4 million boxes. The reduction is in the early tangerine forecast (Fallglo and Sunburst), now 2.6 million boxes. The Honey tangerine forecast of 1.8 million boxes remains unchanged. Early tangerine size is lower than the previous projection for both varieties. Droppage is higher for Sunburst than the previous projection but lower for Fallglo. Honey size and droppage are both lower than the previous projection.

Tangelos 1.1 Million Boxes

The forecast of tangelo production remains unchanged from the initial forecast of 1.1 million boxes. Tangelo size and droppage measurements are final for the season. Tangelo size and droppage are both lower than the previous projection. The final droppage rate is the lowest in a series dating back to 1961. It will require approximately 298 pieces of fruit to fill a 1 3/5 bushel box of tangelos.

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. Last season's final yield for all oranges was 1.559667 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.

Maturity

Regular bloom fruit samples were collected from groves on established routes November 29-30 in Florida's five major citrus producing areas and tested December 1-3. All comparisons are made to December of 2009. Acid levels and Brix are higher for all fruit types resulting in lower ratios. Unfinished juice per box is lower for all varieties except late oranges. Solids per box are the same for the early orange varieties, lower for midseason and higher for late oranges and both white and colored grapefruit. Indian River acid and Brix levels are higher with lower ratios for all orange and grapefruit types. Indian River samples have lower unfinished juice per box for all fruit types except late oranges while solids per box are higher for early and late oranges and colored grapefruit.

Forecast Components, by Variety — Florida: December 2010

[Survey data is considered final in December for Navels, January for grapefruit and early-midseason oranges, and April for Valencias]

Type	Bearing trees (1,000 trees)	Fruit per tree (number)	Droppage (percent)	Fruit per box (number)
ORANGES				
Early-midseason.....	24,093	934	6	275
Navel.....	1,057	491	7	143
Valencia.....	33,122	598	13	223
GRAPEFRUIT				
White.....	1,316	479	12	99
Colored.....	3,517	449	10	110

Citrus Unadjusted Maturity Tests — Florida: 2009-2010 and 2010-2011

[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	
	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Early (115-116)										
Sep 1.....	1.54	1.67	9.25	9.19	6.11	5.55	42.04	41.62	3.89	3.82
Oct 1.....	1.14	1.25	9.31	9.51	8.34	7.70	46.11	46.02	4.29	4.37
Nov 1.....	0.85	0.94	10.29	10.43	12.34	11.26	49.61	49.82	5.10	5.19
Dec 1.....	0.72	0.82	11.05	11.23	15.75	13.96	50.78	49.94	5.61	5.61
Midseason (53-54)										
Sep 1.....	1.72	2.01	9.23	9.33	5.45	4.82	42.79	40.88	3.95	3.81
Oct 1.....	1.31	1.56	9.24	9.41	7.23	6.14	47.16	45.77	4.36	4.31
Nov 1.....	0.98	1.13	10.28	10.36	10.76	9.36	51.14	49.13	5.26	5.09
Dec 1.....	0.84	0.94	11.07	11.33	13.56	12.30	51.67	50.12	5.72	5.68
Late (149-149)										
Sep 1.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1.....	2.41	2.56	8.86	8.95	3.73	3.52	43.46	43.91	3.85	3.93
Nov 1.....	1.86	2.01	9.32	9.68	5.07	4.86	48.08	48.82	4.48	4.72
Dec 1.....	1.52	1.62	10.22	10.42	6.83	6.50	50.91	51.48	5.20	5.36
GRAPEFRUIT										
White Seedless (50-48)										
Sep 1.....	1.75	1.88	9.81	10.19	5.60	5.45	31.50	31.82	3.09	3.24
Oct 1.....	1.54	1.72	9.77	10.38	6.39	6.05	36.52	35.51	3.57	3.68
Nov 1.....	1.41	1.58	10.46	10.64	7.46	6.78	41.17	39.81	4.31	4.23
Dec 1.....	1.37	1.56	10.58	10.73	7.75	6.93	43.24	41.44	4.38	4.45
Colored Seedless (50-47)										
Sep 1.....	1.75	1.82	10.07	10.33	5.79	5.80	31.48	31.99	3.17	3.30
Oct 1.....	1.54	1.68	10.23	10.54	6.69	6.32	36.57	36.31	3.74	3.83
Nov 1.....	1.36	1.58	10.69	10.98	7.90	7.01	41.72	39.97	4.46	4.38
Dec 1.....	1.31	1.55	10.98	11.45	8.42	7.42	44.23	43.62	4.69	4.99

(NA) Not available.

Citrus Maturity Test Averages, by Areas — Florida: December 1, 2009-2010 and 2010-2011

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Early										
Indian River (9-9).....	0.78	0.91	11.42	12.02	14.85	13.49	51.98	49.86	5.93	5.99
Other Areas (111-107).....	0.71	0.81	11.02	11.17	15.83	14.00	50.67	49.95	5.58	5.58
Midseason										
Indian River (11-11).....	0.95	0.99	11.35	11.49	11.95	11.73	52.43	50.17	5.95	5.76
Other Areas (43-43).....	0.81	0.93	11.01	11.29	13.94	12.45	51.49	50.10	5.67	5.66
Late										
Indian River (27-27).....	1.57	1.75	10.59	10.76	6.81	6.18	51.01	52.00	5.40	5.59
Other Areas (122-122).....	1.51	1.59	10.15	10.34	6.84	6.57	50.89	51.36	5.16	5.31
GRAPEFRUIT										
White Seedless										
Indian River (38-38).....	1.39	1.59	10.72	10.82	7.72	6.84	43.23	41.34	4.63	4.48
Other Areas (12-10).....	1.29	1.44	10.04	10.36	7.85	7.27	43.26	41.83	4.33	4.33
Colored Seedless										
Indian River (40-39).....	1.33	1.59	11.12	11.57	8.41	7.32	44.39	44.20	4.92	5.11
Other Areas (10-9).....	1.23	1.40	10.43	10.95	8.49	7.84	43.61	41.20	4.56	4.51

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

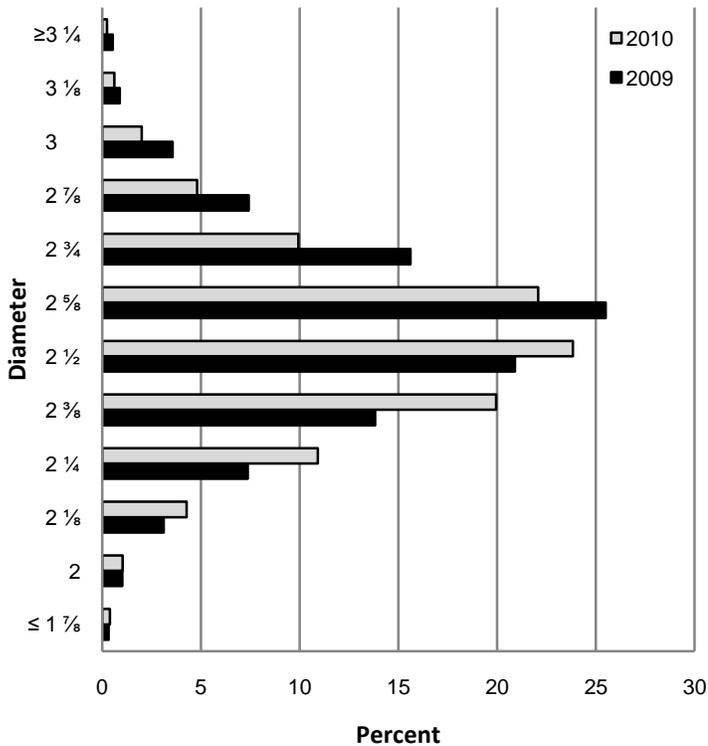
Type and number of fruit per 4/5 – bushel containers	2008	2009	2010	Type and number of fruit per 4/5 – bushel containers	2008	2009	2010
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
EARLY AND MIDSEASON ORANGES ¹				WHITE GRAPEFRUIT ²			
64 or less	1.6	0.8	0.5	32 or less	17.6	12.7	5.3
80	8.1	7.2	4.4	36	22.9	12.8	15.1
100	29.2	30.3	20.5	40	18.6	15.9	17.7
125	38.5	36.1	38.0	48	18.8	18.2	19.9
163 or more	22.6	25.6	36.6	56	9.8	13.5	15.4
				63 or more	12.3	26.9	26.6
NAVEL ORANGES				COLORED GRAPEFRUIT			
64 or less	46.5	46.9	30.4	32 or less	7.6	9.8	2.4
80	34.0	33.8	42.7	36	13.1	9.2	8.8
100	14.5	11.5	20.4	40	17.1	10.7	13.8
125	4.0	5.5	5.1	48	22.1	15.5	18.3
163 or more	1.0	2.3	1.4	56	14.9	14.9	17.5
				63 or more	25.2	39.9	39.2
VALENCIA ORANGES				HONEY TANGERINES			
64 or less	1.2	0.8	1.2	80 or less	8.2	5.5	3.3
80	13.1	8.9	7.0	100	32.1	19.3	15.6
100	40.4	34.3	26.7	120	28.8	29.1	32.9
125	31.8	32.8	37.0	176	12.0	16.0	18.2
163 or more	13.5	23.2	28.1	210 or more	18.9	30.1	30.0
TANGELOS				SUNBURST TANGERINES			
80 or less	40.0	26.6	14.6	100 or less	42.5	25.6	10.7
100	34.6	30.2	31.7	120	29.6	32.2	25.7
120	16.0	23.6	21.7	176	11.4	16.7	22.2
156 or more	9.4	19.6	32.0	210 or more	16.5	25.5	41.4

- Represents zero.

¹ Excludes Navels and Temples.

² Excludes seedy.

Fruit Size Frequency Measurements, Early-Midseason, by Diameter - Florida: November



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

