



CITRUS MATURITY TEST RESULTS AND FRUIT SIZE

FEBRUARY FORECAST

Cooperating with the Florida Department of Agriculture & Consumer Services
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February 9, 2011

All Orange Production down 1 percent from January
Non-Valencia Orange Production down 1 million boxes
Valencia Orange Production down 1 million boxes
All Grapefruit Production unchanged
All Tangerine Production up 5 Percent
Tangelo Production unchanged
FCOJ Yield decreased to 1.57 gallons per box

FORECAST DATES – 2010-2011 SEASON

March 10, 2011	June 9, 2011
April 8, 2011	July 12, 2011
May 11, 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)	January (1,000 boxes)	February (1,000 boxes)
Non-Valencia Oranges ¹					
Florida	83,500	84,600	68,600	67,000	66,000
California	45,000	34,500	42,500	46,500	46,500
Texas	1,600	1,300	1,360	1,360	1,360
Arizona ²	230	150			
United States.....	130,330	120,550	112,460	114,860	113,860
Valencia Oranges					
Florida	86,700	77,900	65,000	73,000	72,000
California	17,000	12,000	14,000	14,000	14,000
Texas	196	159	275	280	280
Arizona ²	150	100			
United States.....	104,046	90,159	79,275	87,280	86,280
All Oranges					
Florida	170,200	162,500	133,600	140,000	138,000
California	62,000	46,500	56,500	60,500	60,500
Texas	1,796	1,459	1,635	1,640	1,640
Arizona ²	380	250			
United States.....	234,376	210,709	191,735	202,140	200,140
Grapefruit					
Florida-All	26,600	21,700	20,300	19,600	19,600
White	9,000	6,600	6,000	5,600	5,600
Colored.....	17,600	15,100	14,300	14,000	14,000
California	5,200	4,800	4,200	3,500	3,500
Texas	6,000	5,500	5,600	5,700	5,700
Arizona ²	100	25			
United States.....	37,900	32,025	30,100	28,800	28,800
Lemons					
California	14,800	21,000	20,500	21,000	21,000
Arizona	1,500	3,000	2,200	2,500	2,500
United States.....	16,300	24,000	22,700	23,500	23,500
Tangelos					
Florida.....	1,500	1,150	900	1,000	1,000
Tangerines					
Florida-All	5,500	3,850	4,450	4,200	4,400
Early ³	2,600	2,550	2,250	2,400	2,600
Honey	2,900	1,300	2,200	1,800	1,800
California ⁴	6,700	6,700	9,900	9,600	9,600
Arizona ⁴	400	250	350	300	300
United States.....	12,600	10,800	14,700	14,100	14,300

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 reduced to 138.0 Million Boxes

The 2010-2011 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 138.0 million boxes, down 2 million boxes from January but just over 3 percent more than last season's production. The total is comprised of 66.0 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 72.0 million boxes of Valencia oranges. The Navel forecast is 2.6 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 February forecast has deviated from final production by an average of 3 percent with 6 seasons below and 2 above, 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.

Surveys were conducted throughout the month of January to measure internal quality, size of fruit, fruit droppage, and the percentage of the citrus crop harvested. The effect of December's extreme temperatures on the citrus crop was assessed with scheduled surveys and the results are included as an insert to this report.

Non-Valencia Oranges 66.0 Million Boxes

The forecast of non-Valencia orange production is reduced to 66.0 million boxes. Final fruit size is the smallest in any non-disaster season and droppage is above the minimum but below average. The Navel forecast, included in the non-Valencia forecast, is raised 200,000 boxes to 2.6 million boxes based on utilization.

Valencia Oranges 72.0 Million Boxes

The forecast of Valencia production is reduced to 72.0 million boxes. Fruit size is projected to be below the minimum. Fruit droppage, projected to be 14 percent at harvest, is below average.

All Grapefruit 19.6 Million Boxes

The forecast of all grapefruit production remains unchanged from January's forecast of 19.6 million boxes. The white grapefruit remains unchanged at 5.6 million boxes. The colored grapefruit forecast of 14.0 million boxes remains unchanged. White grapefruit final indications show droppage is slightly above average while average fruit size is the second smallest on record. Colored grapefruit final indications show size is the smallest on record while droppage is below average.

All Tangerines 4.4 Million Boxes

The forecast of all tangerine production is increased 200,000 boxes to 4.4 million boxes due to increased utilization of the early tangerines (Fallglo and Sunburst), now 2.6 million boxes. The Honey tangerine forecast of 1.8 million boxes remains unchanged. The Honey tangerine final indications show size is below the minimum and droppage is below average.

Tangelos 1.0 Million Boxes

The forecast of tangelo production remains unchanged from January at 1.0 million boxes. Certified utilization has reached 900,000 boxes according to the Citrus Administrative Committee's report number 17.

FCOJ Yield 1.57 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is lowered to 1.57 gallons per box of 42° Brix concentrate. Component projections are 1.50 gallons per box for non-Valencia oranges and 1.64 for the Valencias. Last season's final yields as reported by the Florida Department of Citrus are: all oranges, 1.559667 gallons per box; non-Valencia, 1.511083; and Valencia, 1.625245.

Forecast Components, by Variety — Florida: February 2011

[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.....	24,093	934	7	280
Navel.....	1,057	491	7	143
Valencia.....	33,122	598	14	230
GRAPEFRUIT				
White.....	1,316	479	11	101
Colored.....	3,517	449	9	111

Maturity

Regular bloom fruit samples were collected from groves on established routes January 31, 2011 and February 1, 2011 in Florida's five major citrus producing areas and tested February 2-3, 2011 at the laboratory of the National Agricultural Statistics Service (NASS), Florida Field office. Acid levels have dropped since the last maturity test on all types of oranges. Brix percentages and ratios show increases for all varieties. Although the mid-month tests showed an increase in unfinished juice per box for early and late oranges, the latest results show unfinished juice per box is down from the previous month for all types of oranges. Citrus maturity test averages for early and midseason oranges by area are not shown due to limited sample availability in the Indian River production area.

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 (percent)	2010-2011 (percent)	2009-2010 (percent)	2010-2011 (percent)	2009-2010	2010-2011	2009-2010 (pounds)	2010-2011 (pounds)	2009-2010 (pounds)	2010-2011 (pounds)
ORANGES										
Early (29-28)										
Sep 1.....	1.54	1.74	9.19	9.19	6.07	5.34	42.51	41.08	3.91	3.77
Oct 1.....	1.22	1.33	9.34	9.54	7.84	7.25	46.05	46.98	4.30	4.48
Nov 1.....	0.90	1.00	10.31	10.41	11.66	10.69	50.51	50.52	5.20	5.25
Dec 1.....	0.76	0.84	11.32	11.18	15.15	13.60	51.06	50.08	5.78	5.59
Jan 1.....	0.73	0.84	11.83	11.65	16.37	14.08	50.52	48.62	5.97	5.67
Jan 15.....	(NA)	0.79	(NA)	12.18	(NA)	15.52	(NA)	49.31	(NA)	6.01
Feb 1.....	0.73	0.74	12.40	12.48	17.44	17.03	47.69	45.97	5.91	5.74
Midseason (23-13)										
Sep 1.....	1.78	1.94	9.24	9.32	5.30	4.84	41.51	41.43	3.84	3.86
Oct 1.....	1.40	1.58	9.21	9.28	6.71	5.99	47.15	45.07	4.34	4.18
Nov 1.....	1.03	1.14	10.34	10.25	10.32	9.17	51.22	47.70	5.30	4.89
Dec 1.....	0.87	1.00	11.23	11.42	13.16	11.64	51.69	49.03	5.80	5.60
Jan 1.....	0.80	0.95	11.99	11.84	15.19	12.57	51.43	49.93	6.17	5.91
Jan 15.....	(NA)	0.87	(NA)	12.14	(NA)	14.26	(NA)	46.01	(NA)	5.59
Feb 1.....	0.79	0.85	12.60	13.04	16.08	15.52	48.70	47.16	6.15	6.16
Late (150-147)										
Sep 1.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1.....	2.41	2.56	8.86	8.94	3.73	3.52	43.46	43.84	3.85	3.92
Nov 1.....	1.86	2.01	9.32	9.67	5.07	4.86	48.08	48.84	4.48	4.72
Dec 1.....	1.52	1.62	10.22	10.41	6.83	6.51	50.91	51.44	5.20	5.36
Jan 1.....	1.30	1.49	10.89	11.05	8.50	7.47	53.03	50.98	5.77	5.63
Jan 15.....	(NA)	1.42	(NA)	11.36	(NA)	8.13	(NA)	51.36	(NA)	5.84
Feb 1.....	1.23	1.30	11.67	11.98	9.59	9.34	52.18	50.83	6.09	6.09

NA Not available.

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

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2009-2010 (percent)	2010-2011 (percent)	2009-2010 (percent)	2010-2011 (percent)	2009-2010	2010-2011	2009-2010 (pounds)	2010-2011 (pounds)	2009-2010 (pounds)	2010-2011 (pounds)
Late Oranges										
Indian River (27-27).....	1.26	1.43	11.81	12.23	9.40	8.58	53.27	49.67	6.29	6.09
Other Areas (123-120).....	1.23	1.27	11.64	11.92	9.63	9.51	51.94	51.09	6.05	6.09

Fruit Size Comparisons by Types to Previous Seasons

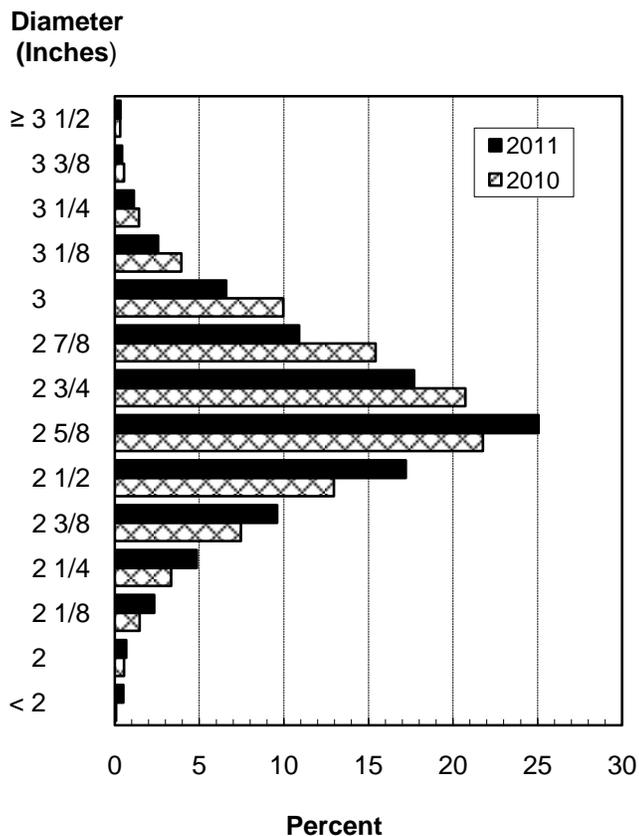
Size frequency distributions from the January size survey are shown in the following table. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions include fruit from regular bloom and exclude fruit from summer bloom.

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

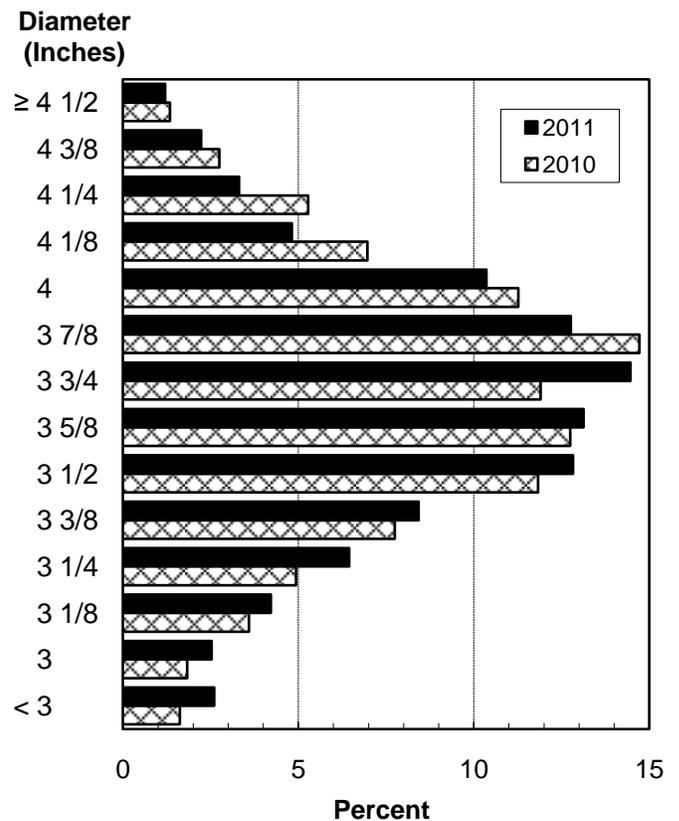
Type and number of fruit per 4/5 – bushel containers	2009 (percent)	2010 (percent)	2011 (percent)	Type and number of fruit per 4/5 – bushel containers	2009 (percent)	2010 (percent)	2011 (percent)
VALENCIA ORANGES				WHITE GRAPEFRUIT ²			
64 or less	3.7	3.8	2.8	32 or less	26.1	14.3	9.4
80	21.7	19.2	13.1	36	25.4	23.7	20.2
100	43.1	39.6	34.7	40	16.1	17.7	19.5
125	23.8	24.5	31.4	48	15.3	17.8	18.3
163 or more	7.7	12.9	18.0	56	8.0	11.3	12.4
				63 or more	9.1	15.2	20.2
HONEY TANGERINES				COLORED GRAPEFRUIT			
80 or less	33.1	23.9	18.0	32 or less	13.2	5.1	5.3
100	31.9	32.2	33.4	36	19.9	11.4	12.6
120	18.6	25.4	24.6	40	18.7	18.2	15.2
176	8.4	9.2	9.6	48	20.4	21.9	20.2
210 or more	8.0	9.3	14.4	56	11.5	15.7	16.1
				63 or more	16.3	27.7	30.6

The charts below show the distribution of fruit sizes in 2011 compared to 2010. 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



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





CITRUS FREEZE DAMAGE REPORT



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February 9, 2011

A special survey was conducted on January 31, 2011 and February 1, 2011 to assess the effect of sub-freezing temperatures that occurred throughout the Florida citrus producing region during the month of December 2010. Using the Federal-State Inspection Service standards, fruit was cut and scored for damage at depths of ¼-inch, ½-inch, and at the center, recording the point of greatest severity of damage.

The tables below show the distribution and severity of fruit damage. For all varieties, the majority of samples observed fell into the “no damage apparent” category.

Florida Citrus — Condition of Fruit on Trees by Fruit Type: February 1, 2011

Fruit type (Number of groves)	No damage apparent (percent)	Damage at ¼-inch cut (percent)	Damage at ½-inch cut (percent)	Damage at center cut	
				Minor (percent)	Major (percent)
ORANGES:					
Early (28)	56.7	17.8	8.5	13.4	3.6
Midseason (13)	51.9	15.4	13.5	6.7	12.5
Late (147)	78.9	10.6	6.0	3.8	0.7
GRAPEFRUIT:					
White (45)	93.4	3.6	1.9	1.1	-
Colored (33)	91.3	3.0	2.3	3.4	-

- Represents zero.

Florida Citrus — Condition of Fruit on Trees by Production Area and Fruit Type: February 1, 2011

Production Area	No damage apparent			Damage at ¼-inch cut			Damage at ½-inch cut			Damage at center cut					
										Minor			Major		
	E & M	Late	Gft	E & M	Late	Gft	E & M	Late	Gft	E & M	Late	Gft	E & M	Late	Gft
	(percent)			(percent)			(percent)			(percent)					
Indian River	(NA)	64.8	94.3	(NA)	13.4	2.7	(NA)	10.2	1.4	(NA)	10.7	1.6	(NA)	0.9	-
Northern	(NA)	52.5	(NA)	(NA)	17.5	(NA)	(NA)	12.5	(NA)	(NA)	7.5	(NA)	(NA)	10.0	(NA)
Central	46.2	89.1	94.6	26.2	6.2	3.6	11.3	1.6	1.8	12.5	3.1	-	3.8	-	-
Western	53.1	88.3	(NA)	15.6	4.4	(NA)	9.4	4.4	(NA)	11.3	2.2	(NA)	10.6	0.7	(NA)
Southern	54.7	73.8	77.8	15.6	17.1	8.4	14.0	8.2	6.9	14.1	0.9	6.9	1.6	-	-
Total	55.2	78.9	92.4	17.1	10.5	3.4	10.0	6.1	2.1	11.3	3.8	2.1	6.4	0.7	-

- Represents zero.

(NA) Not available.

The next two tables show the distribution and severity of leaf damage. For all varieties, the majority of samples observed fell into the “no leaf damage” category.

Florida Citrus — Leaf Damage by Fruit Type: February 1, 2011

Fruit type (Number of groves)	No leaf damage	Minor leaf damage	Major leaf Damage	Serious leaf damage
	(percent)	(percent)	(percent)	(percent)
ORANGES:				
Early (28)	75.9	21.4	-	2.7
Midseason (13)	88.5	11.5	-	-
Late (147)	89.5	10.0	0.5	-
GRAPEFRUIT:				
White (45)	95.0	4.4	0.6	-
Colored (33)	91.6	7.6	0.8	-

- Represents zero.

Florida Citrus — Leaf Damage by Production Area and Fruit Type: February 1, 2011

Production Area	No leaf damage			Minor leaf damage			Major leaf Damage			Serious leaf damage		
	E & M	Late	Gft	E & M	Late	Gft	E & M	Late	Gft	E & M	Late	Gft
	(percent)			(percent)			(percent)			(percent)		
Indian River	100.0	97.2	97.5	-	2.8	2.5	-	-	-	-	-	-
Northern	(NA)	75.0	(NA)	(NA)	20.0	(NA)	(NA)	5.0	(NA)	(NA)	-	(NA)
Central	100.0	100.0	85.7	-	-	10.7	-	-	3.6	-	-	-
Western	80.0	94.1	75.0	16.2	4.4	25.0	-	1.5	-	3.8	-	-
Southern	46.9	71.9	75.0	53.1	28.1	22.2	-	-	2.8	-	-	-
Total	79.9	89.5	93.6	18.3	10.0	5.8	-	0.5	0.6	1.8	-	-

- Represents zero.
(NA) Not available.