



CITRUS

FEBRUARY FORECAST MATURITY TEST RESULTS AND FRUIT SIZE FREEZE DAMAGE REPORT

Cooperating with the Florida Department of Agriculture & Consumer Services
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February 9, 2010

All Oranges Lowered to 129.0 Million Boxes

The Florida all orange forecast released today by the USDA Agricultural Statistics Board is 129.0 million boxes, comprised of 63.0 million boxes of Valencia oranges and 66.0 million boxes of the non-Valencia varieties (early, midseason, Navel, and Temple). If realized, this forecast would be 21 percent less than last season's production of 162.4 million boxes. Eight days of sub-freezing temperatures were recorded during the period of January 5-13, 2010 in the citrus producing region of Florida. The usual monthly surveys to measure size of fruit and fruit droppage were conducted January 14-29, 2010. See insert for the results of the additional freeze damage assessment conducted on January 26-27, 2010.

Forecast Dates - 2009-2010 Season	
March 10, 2010	June 11, 2010
April 9, 2010	July 9, 2010
May 11, 2010	

Non-Valencia Oranges Lowered to 66.0 Million Boxes

The forecast of non-Valencia oranges is reduced by 3.0 million boxes. Survey data indicated decreased fruit size and increased droppage. Results of the Row Count survey conducted January 26-27, 2010 show that 74 percent of the early-midseason oranges and 93 percent of the Navel rows have been harvested. Navels, which are included in this forecast, are unchanged at 2.3 million boxes.

Valencia Oranges Lowered to 63.0 Million Boxes

The forecast of Valencia oranges is reduced by 3.0 million boxes. Fruit size has been below average all season and the growth rate slowed in January resulting in a projected size below the minimum of previous seasons. Droppage is near average and it is projected to be slightly above average at harvest.

FCOJ Yield 1.56 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is reduced to 1.56 gallons per box of 42° Brix concentrate for all oranges, down from 1.60 gallons per box in January. The early-midseason projection is reduced to 1.50 gallons per box, down from 1.53 gallons per box, and the Valencia projection is 1.65 gallons per box, down from 1.70 gallons per box. Last season the Florida Department of Citrus reported final FCOJ yield for all oranges at 1.664452 gallons per box.

Orange Production by Type and State — United States: 2006-2007, 2007-2008, 2008-2009, and Forecasted January 1, 2010 and February 1, 2010

Crop and State	Production			2009-2010 Forecast	
	2006-2007 (1,000 boxes)	2007-2008 (1,000 boxes)	2008-2009 (1,000 boxes)	January (1,000 boxes)	February (1,000 boxes)
NON-VALENCIA ORANGES ¹					
Florida.....	65,600	83,500	84,600	69,000	66,000
California ²	34,500	45,000	34,500	40,000	40,000
Texas ²	1,600	1,600	1,300	1,310	1,310
Arizona ³	200	230	150		
United States.....	101,900	130,330	120,550	110,310	107,310
VALENCIA ORANGES					
Florida.....	63,400	86,700	77,800	66,000	63,000
California ²	11,500	17,000	14,000	15,000	15,000
Texas ²	380	196	159	277	277
Arizona ³	100	150	100		
United States.....	75,380	104,046	92,059	81,277	78,277
ALL ORANGES					
Florida.....	129,000	170,200	162,400	135,000	129,000
California ²	46,000	62,000	48,500	55,000	55,000
Texas ²	1,980	1,796	1,549	1,587	1,587
Arizona ³	300	380	250		
United States.....	177,280	234,376	212,609	191,587	185,587

¹ Early, midseason, Navel, and Temple varieties.

² Estimates for current year carried forward from previous forecast.

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

Grapefruit Lowered to 18.8 Million Boxes

The grapefruit forecast of 18.8 million boxes is down 700,000 boxes from last month and consists of 5.3 million boxes of white and 13.5 million boxes of colored grapefruit. The 200,000 box decrease in the white variety and the 500,000 box decrease in the colored varieties is the result of a decrease in the growth rate of the fruit in January. If realized, this forecast will be 13 percent less than last season's utilization of 21.7 million boxes.

All Tangerines Lowered to 4.0 Million Boxes

The all tangerine forecast is reduced by 700,000 boxes from January's forecast to 4.0 million boxes. If realized, this forecast will be 4 percent more than last season's utilization of 3.85 million boxes. The later maturing Honey tangerine forecast is reduced by 600,000 boxes from January's forecast to 1.7 million boxes based on smaller sizes and higher droppage compared to previous projections. The harvest is well underway. The early tangerine (Fallglo and Sunburst) forecast is reduced by 100,000 boxes to 2.3 million boxes based on reduced utilization compared to last season and the fact that harvest is nearly complete.

Tangelos Unchanged at 900,000 Boxes

The forecast of tangelos remains at 900,000 boxes. If realized, this forecast would be the lowest crop since the harvest season following the devastating freeze on December 12-13, 1962. The Row Count survey, conducted January 26-27, 2010 shows 85 percent of rows harvested and, when compared to the estimated certified utilization, supports the current forecast.

Forecast Components, by Variety — Florida: February 1, 2010

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

Orange type	Bearing trees	Fruit per tree	Droppage	Fruit per box	Grapefruit type	Bearing trees	Fruit per tree	Droppage	Fruit per box
	(1,000)	(number)	(percent)	(number)		(1,000)	(number)	(percent)	(number)
Early-midseason	24,575	862	8	246	White ¹	1,462	430	12	96
Navel	1,151	365	10	138	Colored	3,794	410	10	109
Valencia	33,685	478	15	222					

¹ Seedless variety only.

Citrus Production by Type and State — United States: 2006-2007, 2007-2008, 2008-2009, and Forecasted January 1, 2010 and February 1, 2010

Crop and State	Production			2009-2010 Forecast	
	2006-2007	2007-2008	2008-2009	January	February
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
GRAPEFRUIT					
Florida-All	27,200	26,600	21,700	19,500	18,800
White	9,300	9,000	6,600	5,500	5,300
Colored	17,900	17,600	15,100	14,000	13,500
California ¹	5,500	5,200	5,600	4,200	4,200
Texas ¹	7,100	6,000	5,500	5,490	5,490
Arizona ²	100	100	25		
United States	39,900	37,900	32,825	29,190	28,490
LEMONS					
California ¹	18,500	14,800	22,000	20,000	20,000
Arizona ¹	2,500	1,500	3,000	2,500	2,500
United States	21,000	16,300	25,000	22,500	22,500
TANGELOS					
Florida	1,250	1,500	1,150	900	900
TANGERINES					
Florida-All	4,600	5,500	3,850	4,700	4,000
Early ³	2,400	2,600	2,550	2,400	2,300
Honey	2,200	2,900	1,300	2,300	1,700
California ^{1,4}	3,500	6,700	6,700	8,200	8,200
Arizona ^{1,4}	300	400	250	350	350
United States	8,400	12,600	10,800	13,250	12,550

¹ Estimates for current year carried forward from previous forecast.

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

³ Fallglo and Sunburst varieties.

⁴ Includes tangelos and tangors.

Citrus Unadjusted Maturity Tests — Florida: 2008-2009 and 2009-2010

[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	
	2008-2009 (percent)	2009-2010 (percent)	2008-2009 (percent)	2009-2010 (percent)	2008-2009 (number)	2009-2010 (number)	2008-2009 (pounds)	2009-2010 (pounds)	2008-2009 (pounds)	2009-2010 (pounds)
ORANGES										
Early (31-29)										
Sep 1	1.44	1.54	9.26	9.19	6.57	6.07	47.32	42.51	4.38	3.91
Oct 1	1.08	1.22	9.57	9.34	8.99	7.84	48.92	46.05	4.68	4.30
Nov 1	0.82	0.90	10.02	10.31	12.41	11.66	53.43	50.51	5.36	5.20
Dec 1	0.82	0.76	11.12	11.32	13.80	15.15	52.73	51.06	5.86	5.78
Jan 1	0.77	0.73	11.75	11.83	15.39	16.37	51.71	50.52	6.08	5.97
Feb 1	0.79	0.73	12.36	12.40	15.92	17.44	50.35	47.69	6.22	5.91
Midseason (26-23)										
Sep 1	1.69	1.78	8.95	9.24	5.34	5.30	44.09	41.51	3.95	3.84
Oct 1	1.34	1.40	9.46	9.21	7.19	6.71	49.34	47.15	4.67	4.34
Nov 1	0.91	1.03	10.18	10.34	11.42	10.32	54.18	51.22	5.52	5.30
Dec 1	0.90	0.87	11.18	11.23	12.68	13.16	53.19	51.69	5.95	5.80
Jan 1	0.88	0.80	11.91	11.99	13.78	15.19	52.25	51.43	6.24	6.17
Feb 1	0.90	0.79	12.69	12.60	14.24	16.08	51.83	48.70	6.58	6.15
Late (150-150)										
Sep 1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1	2.48	2.41	8.86	8.86	3.62	3.73	47.40	43.46	4.20	3.85
Nov 1	1.86	1.86	9.30	9.32	5.07	5.07	51.82	48.08	4.82	4.48
Dec 1	1.61	1.52	10.19	10.22	6.40	6.83	54.06	50.91	5.51	5.20
Jan 1	1.39	1.30	11.14	10.89	8.12	8.50	55.76	53.03	6.21	5.77
Feb 1	1.34	1.23	11.77	11.67	8.85	9.59	55.49	52.18	6.53	6.09

(NA) Not available.

Maturity — Florida: February 1, 2010

Early, midseason and late regular bloom fruit samples were collected on established routes throughout the citrus producing region on January 26-27, 2010, and tested at the laboratory of the National Agricultural Statistics Service (NASS), Florida Field office. Compared to the January 2010, acid levels are lower for midseason and late varieties and unchanged for the early oranges. For all orange varieties, the Brix is higher but the unfinished juice per box is lower. Solids per box are up for the late oranges, but lower for the early and midseason varieties.

Citrus Fruit Maturity Test Averages, by Areas — Florida: February 1, 2010

Fruit type	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)	(number)	(pounds)	(pounds)
ORANGES						
Early						
Indian River	4	0.79	12.90	16.42	47.04	6.07
Other Areas	25	0.72	12.32	17.61	47.79	5.88
Midseason						
Indian River	8	0.86	12.80	14.95	51.77	6.62
Other Areas	15	0.76	12.49	16.68	47.06	5.89
Late						
Indian River	27	1.26	11.81	9.40	53.27	6.29
Other Areas	123	1.23	11.64	9.63	51.94	6.05

Fruit Size Comparisons by Types to Previous Seasons

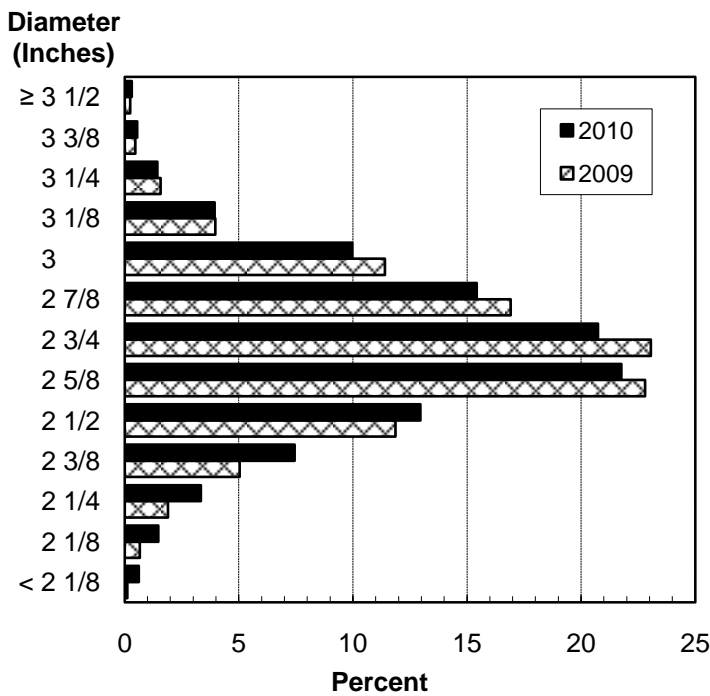
Size frequency distributions from the January size survey are shown in the following table. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions include fruit from regular bloom and exclude fruit from summer bloom.

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

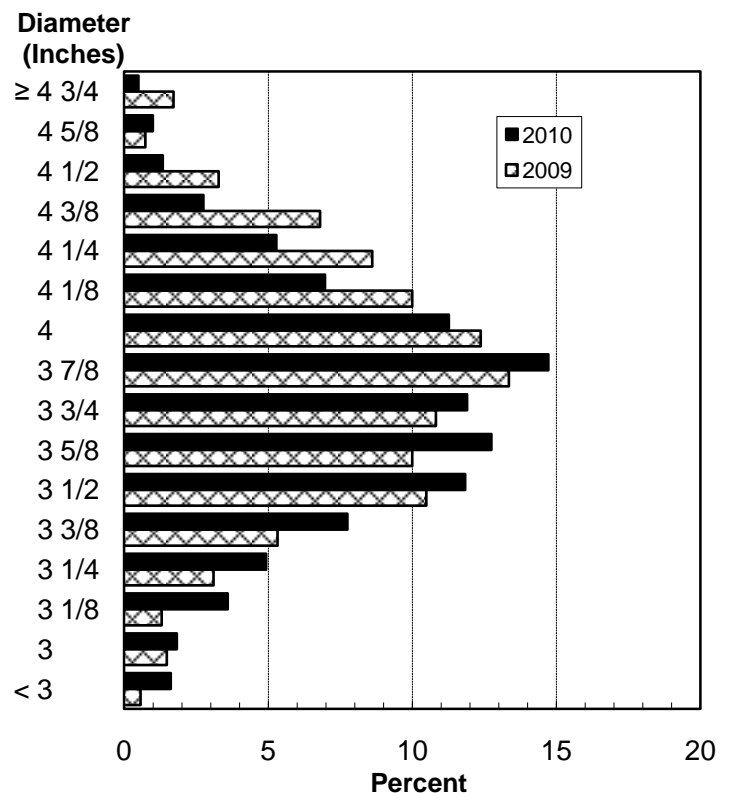
Type and number of fruit per 4/5-bushel containers	2008	2009	2010	Type and number of fruit per 4/5-bushel containers	2008	2009	2010
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
VALENCIA ORANGES				WHITE SEEDLESS GRAPEFRUIT			
64 or less.....	4.1	3.7	3.8	32 or less.....	7.6	26.1	14.3
80.....	18.8	21.7	19.2	36.....	18.4	25.4	23.7
100.....	36.6	43.1	39.6	40.....	21.0	16.1	17.7
125.....	26.9	23.8	24.5	48.....	21.1	15.3	17.8
163 or more.....	13.6	7.7	12.9	56.....	13.5	8.0	11.3
				63 or more.....	18.4	9.1	15.2
HONEY TANGERINES				COLORED SEEDLESS GRAPEFRUIT			
80 or less.....	24.1	33.1	23.9	32 or less.....	5.8	13.2	5.1
100.....	31.1	31.9	32.2	36.....	15.5	19.9	11.4
120.....	25.9	18.6	25.4	40.....	15.6	18.7	18.2
176.....	7.5	8.4	9.2	48.....	17.6	20.4	21.9
210 or more.....	11.4	8.0	9.3	56.....	14.9	11.5	15.7
				63 or more.....	30.6	16.3	27.7

The charts below show the distribution of fruit sizes in 2010 compared to 2009. 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





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This report presents the results of the special survey conducted on January 26-27, 2010 to assess fruit and leaf damage caused by the 8 days of sub-freezing temperatures that occurred during the period of January 5-13, 2010 in the citrus producing region of Florida. Personnel from the National Agricultural Statistics Service (NASS), Florida Field Office checked fruit and trees in unharvested sample groves across the State's production areas. 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 damage. For all varieties, the majority of samples observed fell into the "no damage apparent" category. In freeze damaged groves, it is assumed that fruit remaining on trees will increasingly dry out, and observable damage will progress toward the center of the fruit.

Florida Citrus — Condition of fruit on trees by variety

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 (29)	60.3	12.9	8.6	14.7	3.5
Midseason (24)	57.8	14.1	8.9	18.7	0.5
Late (150)	89.9	5.3	3.2	1.5	0.1
GRAPEFRUIT:					
White (37)	97.0	2.0	1.0	0.0	0.0
Colored (28)	99.1	0.9	0.0	0.0	0.0

Florida Citrus — Condition of fruit on trees by production area

Fruit type and production area (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)
LATE ORANGES (150)					
Indian River	94.4	3.2	1.4	1.0	0.0
Northern	67.5	7.5	17.5	5.0	2.5
Central	91.2	4.1	2.5	2.2	0.0
Western	82.0	11.8	4.0	2.2	0.0
Southern	94.6	2.5	2.6	0.3	0.0
Total	89.9	5.3	3.2	1.5	0.1

Florida Citrus — Leaf damage by variety

Fruit type (Number of groves)	No damage (percent)	Minor (percent)	Major (percent)	Serious (percent)
ORANGES:				
Early (29)	83.6	10.3	3.5	2.6
Midseason (24)	77.1	14.6	8.3	0.0
Late (150)	90.0	10.0	0.0	0.0
GRAPEFRUIT:				
White (37)	91.2	5.4	0.7	2.7
Colored (28)	100.0	0.0	0.0	0.0

Florida Citrus — Leaf damage by production area

Fruit type and production area (Number of groves)	No damage (percent)	Minor (percent)	Major (percent)	Serious (percent)
LATE ORANGES (150)				
Indian River	100.0	0.0	0.0	0.0
Northern	80.0	20.0	0.0	0.0
Central	81.9	18.1	0.0	0.0
Western	85.3	14.7	0.0	0.0
Southern	96.0	4.0	0.0	0.0
Total	90.0	10.0	0.0	0.0