



CITRUS NOVEMBER FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

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November 10, 2020

Florida All Orange Production 57.0 Million Boxes
Florida Non-Valencia Orange Production 23.0 Million Boxes
Florida Valencia Orange Production 34.0 Million Boxes
Florida All Grapefruit Production 4.50 Million Boxes
Florida All Tangerine and Tangelo Production 1.10 Million Boxes

FORECAST DATES	2020-2021 SEASON
December 10, 2020	April 9, 2021
January 12, 2021	May 12, 2021
February 9, 2021	June 10, 2021
March 9, 2021	July 12, 2021

Citrus Production by Type – States and United States

Crop and State	Production ¹			Forecasted Production ^{1 2}
	2017-2018 (1,000 boxes)	2018-2019 (1,000 boxes)	2019-2020 (1,000 boxes)	2020-2021 (1,000 boxes)
Non-Valencia Oranges ³				
Florida	18,950	30,400	29,650	23,000
California	35,900	42,000	44,300	42,000
Texas	1,530	2,210	1,150	1,300
United States.....	56,380	74,610	75,100	66,300
Valencia Oranges				
Florida	26,100	41,450	37,650	34,000
California	8,300	10,200	9,000	8,500
Texas	350	290	190	200
United States.....	34,750	51,940	46,840	42,700
All Oranges				
Florida	45,050	71,850	67,300	57,000
California	44,200	52,200	53,300	50,500
Texas	1,880	2,500	1,340	1,500
United States.....	91,130	126,550	121,940	109,000
Grapefruit				
Florida-All	3,880	4,510	4,850	4,500
Red	3,180	3,740	4,060	3,800
White	700	770	790	700
California ⁴	3,800	4,200	3,800	3,800
Texas	4,800	6,100	4,400	4,900
United States.....	12,480	14,810	13,050	13,200
Lemons				
Arizona.....	1,000	1,350	1,800	1,300
California.....	21,200	23,700	25,700	22,000
United States.....	22,200	25,050	27,500	23,300
Tangerines and Tangelos				
Florida	750	990	1,020	1,100
California ⁵	19,200	26,500	22,000	23,000
United States.....	19,950	27,490	23,020	24,100

¹ Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California and Texas-80, Florida-85; lemons-80; tangerines and mandarins in California-80, Florida-95.

² Estimates carried forward from October

³ Early non-Valencia (including Navel) and midseason non-Valencia varieties in Florida; Navel and miscellaneous varieties in California; Early and mid-season varieties in Texas.

⁴ Includes pummelos in California.

All Oranges 57.0 Million Boxes

The 2020-2021 Florida all orange forecast released today by the USDA Agricultural Statistics Board is carried forward from October at 57.0 million boxes, down 15 percent from last season's final production. The total includes 23.0 million boxes of non-Valencia oranges (early, midseason, and Navel varieties) and 34.0 million boxes of Valencia oranges. The Navel orange forecast, at 700 thousand boxes, accounts for 3 percent of the non-Valencia total. The estimated number of bearing trees for all oranges is 50.1 million.

All Grapefruit 4.50 Million Boxes

The forecast of all grapefruit production is carried forward at 4.50 million boxes, 7 percent less than last season's utilization of 4.85 million boxes. The total is comprised of 3.80 million boxes of red grapefruit and 700 thousand boxes of white grapefruit.

Tangerines and Tangelos Total 1.10 Million Boxes

The forecast for tangerine and tangelos is carried forward at 1.10 million boxes, 8 percent more than last season's utilization of 1.02 million boxes. This forecast number includes all certified tangerine and tangelo varieties

Weather and Field Conditions

Daily temperatures during October were average or above for this time of year, with highs mostly in the mid to high 80s. Rainfall amounts varied across the citrus producing region, ranging from one and a half inches in the Northern citrus growing area, to over eight inches in the Indian River District. Some Southern and Central area locations had several days of heavy rains causing localized flooding in citrus groves. According to the October 29, 2020 U.S. Drought Monitor, the entire citrus growing region remained drought free. Grove activities included mowing, herbiciding, fertilizing, nutritional spraying, dead tree removal, new tree planting, and general grove maintenance.

Crop Progress

The crop season in October began with harvesting of Navel and Hamlin oranges, red grapefruit, and Fallglo and Early Pride tangerines. Harvested fruit was primarily for the fresh market. By the end of October, two processing plants were open for eliminations and sixteen packinghouses were shipping fruit. According to the Citrus Administrative Committee Utilization Report, dated November 1, 2020, just over 1 percent of early and midseason oranges, 15 percent of Navels, 7 percent of all grapefruit, and 10 percent of tangerines and tangelos have been certified.

Estimates of Production by Marketing Districts

Production forecasts for Florida oranges and grapefruit were divided among marketing districts for this report. Comparisons are shown to the previous season in the table below. Marketing District II is the legally defined Indian River District along the East Coast. Marketing District III (Gulf) includes the counties of Charlotte, Collier, Glades, Hendry, and Lee. Marketing District I (Florida SunRidge) includes all other citrus-producing counties.

Citrus Production and Prorated Forecast, by Marketing District – 2019-2020 and 2020-2021

[Based on tree populations. The possible differences between growing areas, concerning average fruit size, loss from droppage, and harvest patterns can alter the prorated estimates]

Marketing District	Oranges				Seedless Grapefruit			
	Non-Valencia		Valencia		Red		White	
	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)				
Indian River	896	600	2,104	1,450	3,140	2,850	726	600
Gulf	7,040	5,800	11,068	8,700	575	500	14	50
Florida SunRidge.....	21,714	16,600	24,478	23,850	345	450	50	50
Florida Total	29,650	23,000	37,650	34,000	4,060	3,800	790	700

Maturity

Regular bloom fruit samples (319 orange and 97 grapefruit) were collected from groves on established routes in Florida's five major citrus producing areas and tested by the Florida Agricultural Statistics Service (FASS) on October 26-30, 2020. All comparisons are made to November 1, 2019. Acid levels are higher on all orange types; solids (Brix) are lower; resulting on lower ratios. Acids are lower on red and white grapefruit; solids (Brix) are lower, however, ratios are higher. Unfinished juice per box is higher only on midseason oranges and red grapefruit. Solids per box are lower on all fruit types. The table at the bottom of the page compares Indian River fruit to that of other production areas.

Unadjusted Maturity Tests – Florida: 2019-2020 and 2020-2021

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. Samples were run through an FMC 091B machine using pneumatic pressure. This machine utilizes a 0.025 short strainer and a 1.00 inch orifice tube for the 3 inch cup and a 1.25 inch orifice tube for the 4 inch and 5 inch cups]

Fruit type (number of groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Early N-V (119-116)										
Sep 1	1.21	1.21	9.06	8.81	7.59	7.37	45.13	44.45	4.09	3.91
Oct 1	0.89	0.88	9.69	9.17	11.05	10.61	49.57	49.58	4.80	4.55
Nov 1	0.64	0.67	10.26	9.50	16.08	14.34	51.37	50.90	5.27	4.83
Midseason N-V (55-53)										
Sep 1	1.37	1.27	9.04	8.56	6.71	6.85	45.55	45.50	4.12	3.90
Oct 1	1.04	0.97	9.76	8.98	9.54	9.39	49.37	49.94	4.81	4.49
Nov 1	0.76	0.79	10.34	9.31	13.86	12.02	51.62	51.83	5.34	4.83
Valencia (150-150)										
Sep 1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1	1.97	1.79	9.08	8.75	4.68	4.95	47.73	48.55	4.33	4.25
Nov 1	1.47	1.48	9.48	8.84	6.57	6.06	51.73	50.65	4.90	4.48
GRAPEFRUIT										
Red Seedless (50-49)										
Sep 1	1.53	1.46	10.10	9.88	6.63	6.80	39.41	38.76	3.98	3.83
Oct 1	1.31	1.25	10.21	9.79	7.84	7.86	46.18	44.63	4.71	4.37
Nov 1	1.19	1.08	10.39	9.51	8.80	8.88	49.16	51.06	5.11	4.85
White Seedless (48-48)										
Sep 1	1.63	1.45	10.33	9.98	6.36	6.90	38.82	39.22	4.01	3.91
Oct 1	1.41	1.31	10.37	9.99	7.40	7.65	45.99	44.04	4.77	4.40
Nov 1	1.25	1.17	10.10	9.72	8.13	8.36	49.55	48.01	5.00	4.66

NA Not available.

Unadjusted Maturity Test Averages, by Areas – Florida: November 2019-2020 and 2020-2021

Fruit type (number of groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Early N-V										
Indian River (9-9)	0.71	0.71	10.86	9.83	15.35	13.93	51.17	48.18	5.54	4.74
Other Areas ¹ (110-107)	0.64	0.66	10.21	9.47	16.14	14.38	51.39	51.13	5.25	4.84
Midseason N-V										
Indian River (2-2)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other Areas ¹ (53-51)	0.76	0.78	10.31	9.30	13.87	12.02	51.65	51.78	5.32	4.82
Valencia										
Indian River (29-29)	1.67	1.57	9.95	9.03	6.00	5.84	52.05	51.81	5.18	4.68
Other Areas ¹ (121-121)	1.42	1.46	9.37	8.80	6.70	6.11	51.66	50.37	4.84	4.43
GRAPEFRUIT										
Red Seedless										
Indian River (42-41)	1.21	1.07	10.47	9.51	8.71	8.91	49.16	50.80	5.15	4.83
Other Areas ¹ (8-8)	1.08	1.09	9.94	9.48	9.28	8.70	49.12	52.39	4.89	4.94
White Seedless										
Indian River (42-41)	1.25	1.17	10.14	9.77	8.15	8.41	49.58	48.31	5.03	4.72
Other Areas ¹ (6-7)	1.25	1.17	9.87	9.39	8.00	8.07	49.35	46.25	4.83	4.33

D Withheld to avoid disclosing data for individual operations.

¹ Includes Central, Northern, Southern, and Western areas.

Size Frequency Measurement Distributions, by Type – Florida: October

[Size frequency distributions from the October 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]

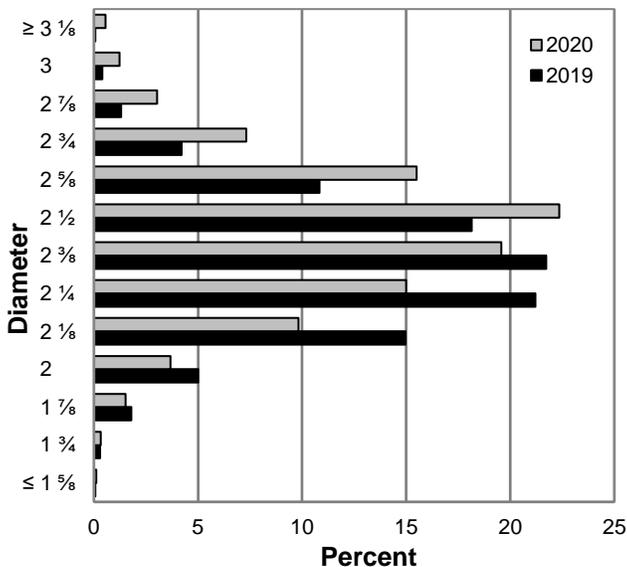
Type and number of fruit per 4/5-bushel containers	2018	2019	2020	Type and number of fruit per 4/5-bushel containers	2018	2019	2020
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
NON-VALENCIA ORANGES ¹				RED GRAPEFRUIT			
64 or less	0.0	0.1	0.3	32 or less.....	0.6	1.1	3.0
80.....	0.6	0.8	2.6	36	1.9	4.1	6.0
100.....	4.7	8.8	14.9	40	5.4	7.6	12.1
125.....	17.7	25.3	32.2	48	9.8	13.3	16.0
163 or more.....	77.0	65.0	50.0	56	12.2	14.4	15.5
				63 or more.....	70.1	59.5	47.4
NAVEL ORANGES				WHITE GRAPEFRUIT ²			
64 or less	34.4	43.5	55.5	32 or less.....	1.2	1.3	0.2
80.....	27.6	29.1	24.9	36	4.4	8.8	2.7
100.....	20.6	19.2	13.7	40	8.3	11.3	10.9
125.....	11.0	6.6	3.8	48	14.3	15.9	17.8
163 or more.....	6.4	1.6	2.1	56	12.5	19.1	21.4
				63 or more.....	59.3	43.6	47.0
VALENCIA ORANGES							
64 or less	0.1	0.1	0.4				
80.....	0.8	1.4	3.0				
100.....	7.7	11.9	15.3				
125.....	23.3	30.5	30.0				
163 or more.....	68.1	56.1	51.3				

¹ Excludes Navels.

² Excludes seedy.

The charts below show the distribution of fruit sizes in 2019 compared to 2020. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

Fruit Size Frequency Measurements, Non-Valencia Oranges ¹, by Diameter - Florida: October



¹ Excludes Navels.

Fruit Size Frequency Measurements, Red Grapefruit, by Diameter - Florida: October

