



CITRUS

2019-2020 CITRUS SUMMARY
PRODUCTION, PRICE AND VALUE
PRODUCTION BY COUNTY AND PER TREE

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All Citrus Value Down 19 Percent, Production Down 5 Percent

The \$729 million preliminary on-tree value of the 2019-2020 citrus crop is 19 percent less than the \$902 million revised value for 2018-2019.

Florida's all citrus production in 2019-2020 is 73.2 million boxes, down 5 percent from the previous season's 77.4 million boxes. All orange production decreased by 6 percent to 67.3 million boxes. Non-Valencia production at 29.7 million boxes is down 2 percent from the 2018-2019 season. Valencia orange production at 37.7 million boxes is down 9 percent. All grapefruit production increased 8 percent to 4.85 million boxes. Tangerine and tangelo production in 2019-2020 is up 3 percent from the previous season.

Citrus Production, Utilization, Price, and Value, by Variety – Florida: Crop Years 2018-2019 and 2019-2020

Variety	Production (1,000 boxes)	Crop utilization		On-tree	
		Fresh use (1,000 boxes)	Processing (1,000 boxes)	Price per box (dollars)	Value of production (1,000 dollars)
Non-Valencia Oranges					
2018-2019.....	30,400	1,504	28,896	9.85	300,488
2019-2020.....	29,650	1,510	28,140	8.54	253,110
Valencia Oranges					
2018-2019.....	41,450	1,232	40,218	12.56	519,295
2019-2020.....	37,650	1,728	35,922	10.80	406,016
All Oranges					
2018-2019.....	71,850	2,736	69,114	11.41	819,783
2019-2020.....	67,300	3,238	64,062	9.79	659,126
Red Grapefruit					
2018-2019.....	3,740	1,700	2,040	14.56	54,553
2019-2020.....	4,060	1,942	2,118	10.53	42,751
White Grapefruit					
2018-2019.....	770	221	549	14.48	11,171
2019-2020.....	790	195	595	7.84	6,193
All Grapefruit					
2018-2019.....	4,510	1,921	2,589	14.57	65,724
2019-2020.....	4,850	2,137	2,713	10.09	48,944
Tangelos					
2018-2019.....	165	76	89	12.32	2,032
2019-2020.....	160	77	83	17.39	2,783
Early Tangerines ¹					
2018-2019.....	190	136	54	18.25	3,467
2019-2020.....	190	144	46	17.96	3,412
Royal Tangerines					
2018-2019.....	120	29	91	10.88	1,306
2019-2020.....	110	22	88	4.25	468
Honey Tangerines					
2018-2019.....	195	116	79	17.57	3,426
2019-2020.....	115	79	36	19.50	2,243
Other Tangerines ²					
2018-2019.....	320	186	134	20.71	6,627
2019-2020.....	445	316	129	26.36	11,728
All Tangerines and Tangelos ³					
2018-2019.....	990	543	447	17.04	16,867
2019-2020.....	1,020	638	382	20.23	20,637
All Citrus					
2018-2019.....	77,350	(X)	(X)	(X)	902,374
2019-2020.....	73,170	(X)	(X)	(X)	728,707

X Not applicable.

¹ Fallglo, Early Pride and Sunburst varieties.

² Includes Autumn Honey, Juicy Crunch, Orri, Robinson, Roe, Tango and other minor tangerine varieties.

³ Includes all certified tangerines and tangelos.

Citrus Production by County and Production Area, by Type – Florida: 2019-2020

County	All citrus (1,000 boxes)	Oranges			Grapefruit		
		Non-Valencia (1,000 boxes)	Valencia (1,000 boxes)	All (1,000 boxes)	Red (1,000 boxes)	White (1,000 boxes)	All (1,000 boxes)
Brevard	61	43	12	55	5	-	5
Charlotte	2,253	763	1,275	2,038	180	-	180
Collier.....	4,790	1,942	2,654	4,596	155	-	155
DeSoto.....	11,463	4,851	6,522	11,373	71	1	72
Glades	889	483	398	881	-	-	-
Hardee	7,605	4,966	2,554	7,520	36	-	36
Hendry	9,834	3,568	6,040	9,608	171	12	183
Hernando	22	21	1	22	-	-	-
Highlands.....	10,333	3,224	7,009	10,233	21	11	32
Hillsborough.....	287	169	117	286	-	-	-
Indian River.....	3,254	692	582	1,274	1,425	268	1,693
Lake.....	837	473	251	724	45	11	56
Lee.....	1,063	284	701	985	69	2	71
Manatee.....	2,168	1,152	1,010	2,162	5	-	5
Marion.....	90	64	16	80	2	-	2
Martin.....	281	43	238	281	-	-	-
Okeechobee.....	439	162	174	336	64	4	68
Orange.....	140	94	39	133	3	-	3
Osceola.....	1,193	671	486	1,157	16	13	29
Pasco.....	123	102	8	110	2	-	2
Polk.....	11,665	5,467	5,912	11,379	36	10	46
St. Lucie.....	4,123	300	1,562	1,862	1,716	458	2,174
Sarasota.....	169	49	76	125	36	-	36
Seminole.....	22	17	2	19	1	-	1
Volusia	52	40	11	51	1	-	1
Other ³	14	10	-	10	-	-	-
Total.....	73,170	29,650	37,650	67,300	4,060	790	4,850
Indian River.....	7,240	896	2,104	3,000	3,140	726	3,866
Northern.....	1,293	818	325	1,143	53	11	64
Central	22,941	9,225	13,302	22,527	70	32	102
Western.....	21,692	11,187	10,279	21,466	148	1	149
Southern	20,004	7,524	11,640	19,164	649	20	669

See footnote(s) at end of table.

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The top 5 citrus producing counties were Polk (11.7 million boxes), DeSoto (11.5 million boxes), Highlands (10.3 million boxes), Hendry (9.83 million boxes) and Hardee (7.60 million boxes). Together they account for 70 percent of the state's total citrus production. The Central area had the most citrus, followed by the Western and Southern areas. Oranges constituted 92 percent of the citrus production, grapefruit accounted for 7 percent, and tangerines and tangelos represented 1 percent.

Estimates of county production are prepared from objective survey data used in forecasting citrus crop production. The apportionment of final harvest to the counties is based on bearing trees, an estimate of the average fruit per tree, and the drop and size surveys. Sample size used in these surveys and the distribution of the sample groves around the state are chosen to minimize error in the estimates of production and are not to be considered as precise for the counties as at the state or area levels.

Citrus Production by County and Production Area, by Type – Florida: 2019-2020 (continued)

County	Tangerines				Tangelos	All Tangerines and Tangelos
	Early ¹	Royal	Honey	Other ²		
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Brevard.....	-	-	-	-	1	1
Charlotte.....	13	-	13	4	5	35
Collier.....	5	20	12	1	1	39
DeSoto.....	6	3	2	4	3	18
Glades.....	-	-	8	-	-	8
Hardee.....	19	-	4	24	2	49
Hendry.....	3	17	6	16	1	43
Hernando.....	-	-	-	-	-	-
Highlands.....	24	19	7	16	2	68
Hillsborough.....	-	1	-	-	-	1
Indian River.....	8	6	4	223	46	287
Lake.....	21	4	3	20	9	57
Lee.....	1	-	6	-	-	7
Manatee.....	-	1	-	-	-	1
Marion.....	4	-	-	1	3	8
Martin.....	-	-	-	-	-	-
Okeechobee.....	1	3	-	23	8	35
Orange.....	2	-	-	1	1	4
Osceola.....	3	-	2	-	2	7
Pasco.....	-	-	-	11	-	11
Polk.....	80	25	37	91	7	240
St. Lucie.....	-	7	11	5	64	87
Sarasota.....	-	4	-	-	4	8
Seminole.....	-	-	-	1	1	2
Volusia.....	-	-	-	-	-	-
Other ³	-	-	-	4	-	4
Total.....	190	110	115	445	160	1,020
Indian River.....	8	13	14	228	111	374
Northern.....	27	4	3	38	14	86
Central.....	107	44	44	107	10	312
Western.....	25	9	6	28	9	77
Southern.....	23	40	48	44	16	171

- Represents zero.

¹ Fallglo, Early Pride and Sunburst varieties.

² Includes Autumn Honey, Juicy Crunch, Orri, Roe, Tango and other minor tangerine varieties.

³ Citrus and Putnam Counties

**Non-Valencia Orange Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2015-2016 through 2019-2020**

Production area	Age of trees					Average ¹
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2015-2016	0.5	1.1	1.3	1.5	2.2	1.6
Indian River	0.3	0.3	0.8	1.1	1.4	1.2
Northern & Central.....	0.5	0.9	0.8	1.5	2.0	1.5
Western.....	0.6	1.1	1.2	1.8	2.4	1.7
Southern.....	0.5	1.6	1.9	1.4	2.4	1.8
2016-2017	0.5	0.9	1.4	1.6	2.1	1.6
Indian River	0.6	0.6	0.8	0.5	1.4	1.0
Northern & Central.....	0.5	0.8	1.2	1.7	2.1	1.6
Western.....	0.5	0.9	1.5	1.8	2.2	1.6
Southern.....	0.4	1.1	1.4	1.4	2.1	1.5
2017-2018	0.3	0.4	1.0	1.0	1.2	0.9
Indian River	0.3	0.6	0.8	1.0	1.4	1.0
Northern & Central.....	0.4	0.6	0.9	1.3	1.4	1.1
Western.....	0.3	0.6	1.2	1.2	1.4	1.1
Southern.....	0.2	(X)	0.2	0.6	0.6	0.4
2018-2019	0.4	0.9	1.2	1.6	2.0	1.5
Indian River	0.3	0.6	0.8	1.6	1.8	1.3
Northern & Central.....	0.5	1.3	1.1	1.9	2.1	1.6
Western.....	0.5	0.8	1.3	1.6	2.2	1.5
Southern.....	0.4	0.6	1.3	1.4	1.8	1.3
2019-2020	0.4	0.8	1.3	1.5	2.1	1.5
Indian River	0.5	0.7	0.7	1.7	2.3	1.5
Northern & Central.....	0.4	0.9	1.1	1.8	2.3	1.6
Western.....	0.4	0.8	1.4	1.4	2.1	1.5
Southern.....	0.4	0.8	1.1	1.5	1.7	1.2
Average ¹	0.4	0.8	1.2	1.5	1.9	1.4
Indian River	0.4	0.6	0.8	1.1	1.6	1.2
Northern & Central.....	0.5	0.9	1.0	1.6	2.0	1.5
Western.....	0.5	0.9	1.3	1.5	2.1	1.5
Southern.....	0.4	0.8	1.2	1.3	1.7	1.2

X Not applicable.

¹ Average weighted by bearing trees.

The Florida Agricultural Statistics Service conducts objective surveys to determine fruit per tree, average sizes, and droppage between August and maturity. These data are used to estimate production per tree for each of four types of citrus fruit, as shown in the following tables. The estimates of production per tree are based on official end-of-season production estimates and the number of bearing trees indicated by the Commercial Citrus Inventory. The averages of boxes per tree for age groups shown are calculated from estimates of fruit per tree in August, size at maturity, and drop between August and maturity. Additionally, the boxes are subdivided by production areas. Estimated boxes by type and age group are weighted averages of the indicated seasons. Small sample sizes in some age/area cells and rounding may contribute to inconsistent averages.

**Valencia Orange Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2015-2016 through 2019-2020**

Production area	Age of trees					Average ¹
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2015-2016	0.5	1.0	1.4	1.6	1.8	1.5
Indian River	0.8	0.7	0.9	1.3	1.5	1.3
Northern & Central	(J)	0.7	1.3	1.5	1.8	1.4
Western.....	0.7	0.9	1.4	1.5	2.0	1.5
Southern	0.7	1.2	1.6	1.9	1.8	1.7
2016-2017	0.4	0.9	1.1	1.4	1.4	1.2
Indian River	0.9	0.7	1.4	0.7	1.3	1.1
Northern & Central	0.1	1.0	1.1	1.4	1.6	1.3
Western.....	0.3	0.9	1.1	1.6	1.4	1.3
Southern	0.6	0.8	1.1	1.4	1.3	1.2
2017-2018	0.5	0.6	0.7	1.0	1.0	0.9
Indian River	1.0	1.1	1.1	1.3	1.2	1.2
Northern & Central	0.8	0.6	0.9	1.3	1.6	1.3
Western.....	0.2	0.4	0.8	1.0	0.9	0.8
Southern	0.4	0.8	0.4	0.7	0.6	0.6
2018-2019	0.7	1.2	1.3	1.7	1.6	1.4
Indian River	1.0	2.0	1.4	1.9	1.4	1.5
Northern & Central	0.8	1.1	1.4	1.7	1.9	1.5
Western.....	0.5	1.2	1.2	1.9	1.7	1.5
Southern	0.7	1.2	1.1	1.4	1.3	1.2
2019-2020	0.5	1.2	1.1	1.6	1.4	1.3
Indian River	0.6	2.9	2.4	2.4	1.7	1.9
Northern & Central	0.5	1.0	1.1	1.6	1.9	1.4
Western.....	0.7	0.9	0.9	1.6	1.3	1.2
Southern	0.5	1.4	1.2	1.4	1.2	1.1
Average ¹	0.5	1.0	1.1	1.5	1.4	1.3
Indian River	0.9	1.7	1.3	1.3	1.4	1.4
Northern & Central	0.5	0.9	1.2	1.5	1.8	1.4
Western.....	0.5	0.9	1.1	1.5	1.4	1.3
Southern	0.6	1.1	1.1	1.4	1.2	1.2

J Less than one-tenth of the unit shown.

¹ Average weighted by bearing trees.

**Red Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2015-2016 through 2019-2020**

Production area	Age of trees					Average ¹
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2015-2016	0.9	1.9	2.2	1.9	3.5	2.6
Indian River	0.9	0.6	2.6	2.7	3.9	3.0
Northern & Central	0.4	0.8	0.8	1.1	3.1	2.0
Western	1.2	1.3	3.0	3.6	3.4	2.5
Southern	0.9	6.6	0.7	0.6	1.0	1.2
2016-2017	0.9	2.0	1.2	1.8	2.6	2.1
Indian River	1.0	2.3	1.3	2.0	2.9	2.4
Northern & Central	0.2	1.3	1.2	1.9	3.0	2.4
Western	0.8	2.0	1.5	1.3	3.2	2.0
Southern	0.5	0.9	0.7	1.1	1.2	1.0
2017-2018	0.7	0.4	0.5	1.2	1.4	1.1
Indian River	0.8	0.4	0.6	1.6	1.8	1.5
Northern & Central	0.1	0.1	0.1	0.2	0.2	0.2
Western	0.4	1.0	1.0	-	1.5	0.9
Southern	0.5	0.3	0.4	0.3	0.5	0.4
2018-2019	0.6	0.7	1.0	1.4	2.0	1.5
Indian River	0.7	0.8	1.3	1.5	2.3	1.8
Northern & Central	0.4	0.1	0.7	1.4	1.0	0.9
Western	0.6	0.5	0.9	1.3	1.4	1.0
Southern	0.3	0.5	0.7	1.3	1.5	1.2
2019-2020	0.6	1.5	1.9	1.9	2.1	1.9
Indian River	0.8	1.8	2.5	2.1	2.4	2.1
Northern & Central	0.2	0.2	0.6	0.5	0.7	0.7
Western	0.3	0.8	1.5	1.7	2.4	1.4
Southern	0.2	1.4	1.3	1.7	1.8	1.5
Average ¹	0.8	1.2	1.4	1.7	2.4	1.9
Indian River	0.9	1.2	1.8	2.1	2.7	2.2
Northern & Central	0.3	0.7	0.7	1.1	1.7	1.3
Western	0.6	1.0	1.3	2.7	2.3	1.5
Southern	0.5	1.6	0.8	0.9	1.2	1.1

- Represents zero.

¹ Average weighted by bearing trees.

**White Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2015-2016 through 2019-2020**

Production area	Age of trees					Average ¹
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2015-2016	0.6	1.5	1.7	1.6	3.0	2.5
Indian River	1.3	2.1	1.2	1.7	3.1	2.7
Northern & Central.....	-	0.8	2.6	0.5	1.9	1.5
Western.....	(X)	(X)	(X)	1.0	2.3	1.4
Southern.....	1.0	(X)	2.4	2.2	3.5	3.1
2016-2017	0.2	0.6	1.8	0.9	2.0	1.8
Indian River	-	0.6	0.9	0.8	2.1	1.8
Northern & Central.....	-	0.5	3.9	1.0	1.7	1.5
Western.....	(X)	(X)	(X)	1.8	3.3	2.5
Southern.....	1.0	(X)	1.3	1.7	1.8	1.7
2017-2018	0.3	0.3	0.6	0.9	1.1	1.0
Indian River	0.2	0.3	0.6	0.9	1.2	1.1
Northern & Central.....	0.3	0.2	0.5	0.8	0.7	0.6
Western.....	(X)	(X)	(X)	-	(X)	-
Southern.....	(X)	1.0	(X)	1.2	1.2	1.2
2018-2019	0.5	1.1	0.4	1.4	1.7	1.6
Indian River	0.4	1.0	1.0	1.5	1.8	1.7
Northern & Central.....	1.0	1.2	-	1.7	1.1	1.1
Western.....	(X)	(X)	(X)	1.0	(X)	1.5
Southern.....	(X)	(X)	(X)	0.3	1.1	1.1
2019-2020	0.3	1.3	0.5	1.3	2.0	1.9
Indian River	0.3	1.0	0.7	1.5	2.2	2.1
Northern & Central.....	-	2.0	0.4	1.0	1.2	1.1
Western.....	(X)	(X)	(X)	(X)	0.3	0.3
Southern.....	(X)	(X)	(X)	-	0.7	0.7
Average ¹	0.4	0.9	1.3	1.2	2.0	1.8
Indian River	0.4	1.1	1.0	1.3	2.1	1.9
Northern & Central.....	0.2	0.7	1.9	0.9	1.5	1.3
Western.....	(X)	(X)	(X)	0.9	2.8	1.5
Southern.....	1.0	1.0	2.0	1.6	1.8	1.8

- Represents zero.

X Not applicable.

¹ Average weighted by bearing trees.

Citrus Equivalent Return per Box, by Variety and Utilization – Florida: Crop Years 2017-2018 through 2019-2020

[2018-2019 is revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2019-2020 preliminary prices are based on cash sales only]

Fruit type	Methods of sale			Fruit type	Methods of sale		
	Fresh (dollars)	Processing (dollars)	All (dollars)		Fresh (dollars)	Processing (dollars)	All (dollars)
Oranges				Tangerines and Tangelos			
Navel				Early ²			
2017-2018	24.80	4.40	17.58	2017-2018	30.25	3.85	23.79
2018-2019	21.55	4.75	14.54	2018-2019	24.10	3.50	18.25
2019-2020	13.15	8.25	10.93	2019-2020	24.00	-0.95	17.96
Non-Val (Excl. Navel)				Royal			
2017-2018	17.90	9.85	10.28	2017-2018	19.85	9.10	13.23
2018-2019	12.75	9.60	9.71	2018-2019	22.90	7.05	10.88
2019-2020	8.95	8.45	8.47	2019-2020	19.30	0.49	4.25
Non-Valencia				Other Tangerines			
2017-2018	19.60	9.75	10.43	2017-2018	37.25	4.50	27.94
2018-2019	15.35	9.60	9.85	2018-2019	32.60	4.20	20.71
2019-2020	10.15	8.45	8.54	2019-2020	37.40	-0.70	26.36
Valencia				Honey			
2017-2018	19.55	13.55	13.88	2017-2018	30.15	4.40	20.37
2018-2019	13.45	12.50	12.56	2018-2019	26.30	4.75	17.57
2019-2020	10.45	10.80	10.80	2019-2020	28.90	-1.10	19.50
All Oranges				Tangelos			
2017-2018	19.57	11.97	12.43	2017-2018	23.85	3.80	15.00
2018-2019	14.49	11.29	11.41	2018-2019	22.70	3.45	12.32
2019-2020	10.31	9.77	9.79	2019-2020	36.20	-0.05	17.39
Grapefruit				All Tangerines and Tangelos			
Red				2017-2018	30.55	4.84	21.50
2017-2018	23.75	8.70	16.06	2018-2019	27.25	4.63	17.04
2018-2019	20.75	9.45	14.56	2019-2020	32.55	-0.34	20.23
2019-2020	15.35	6.11	10.53				
White ¹							
2017-2018	25.60	9.15	13.59				
2018-2019	26.70	9.60	14.48				
2019-2020	10.40	7.00	7.84				
All Grapefruit							
2017-2018	23.95	8.81	15.61				
2018-2019	21.43	9.48	14.57				
2019-2020	14.90	6.31	10.09				

X Not applicable.

¹ Includes seedy grapefruit.

² Fallglo, Early Pride and Sunburst varieties

Citrus Bearing Trees by Variety and Age Group – Florida: Crop Year 2019-2020

Fruit type	Age 1 2014-2016	Age 2 2011-2013	Age 3 2006-2010	Age 4 1996-2005	Age 5 1995 and earlier	Total bearing trees
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Non-Valencia Oranges	2,746	2,460	3,017	4,779	7,453	20,455
Valencia Oranges	4,698	2,524	3,359	7,198	11,911	29,690
Red Grapefruit	183	277	209	220	1,285	2,174
White Grapefruit ¹	7	3	11	25	373	419

¹ Includes seedy grapefruit.