United States Department of Agriculture
National Agricultural Statistics Service

CITRUS

2009-2010 Citrus Summary
Production, Price and Value
Production by County and Per Tree

Cooperating with the Florida Department of Agriculture & Consumer Services
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September 23, 2010

All Citrus Production Down 16 Percent

Florida accounted for 65 percent of the total U.S. citrus production with 159.3 million boxes of citrus in the 2009-2010 season, down 16 percent from the previous season's revised 189.2 million boxes. Production declines were noted for all categories except Honey tangerines and all tangerines.

All orange production fell 18 percent to 133.6 million boxes. Navel production is 2.3 million boxes, down 23 percent from the previous 2 seasons and the lowest since 1985-1986. All grapefruit production is down 6 percent to 20.3 million boxes. Honey tangerine production is up 69 percent from last season which was the lowest since 1994-1995.

The $1.054 billion preliminary value of the 2009-2010 citrus crop is 1 percent greater than the revised value of $1.047 billion for 2008-2009. The price per box is higher for all varieties. White grapefruit and tangelos rebounded from last season's lower prices and on-tree values more than doubled. The all tangerine value increased 73 percent. Only the orange on-tree values are lower.

Florida Citrus Production, Utilization, Price, and Value, by Variety: Crop Years 2008-2009 and 2009-2010

Variety	Production	Crop utilization		On-tree	
		Fresh use	Processing	Price per box	Value of Production
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(1,000 dollars)
Non-Valencia Oranges					
2008-2009	84,600	4,342	80,258	5.09	430,684
2009-2010	68,600	3,827	64,773	5.61	385,041
Valencia Oranges					
2008-2009	77,900	2,585	75,315	6.50	506,385
2009-2010	65,000	2,023	62,977	7.25	471,347
All Oranges					
2008-2009	162,500	6,927	155,573	5.77	937,069
2009-2010	133,600	5,850	127,750	6.41	856,388
White Grapefruit					
2008-2009	6,600	1,392	5,208	1.82	11,999
2009-2010	6,000	1,541	4,459	5.65	33,925
Colored Grapefruit					
2008-2009	15,100	7,947	7,153	4.68	70,697
2009-2010	14,300	7,850	6,450	8.20	117,208
All Grapefruit					
2008-2009	21,700	9,339	12,361	3.81	82,696
2009-2010	20,300	9,391	10,909	7.44	151,133
Tangelos					
2008-2009	1,150	504	646	1.73	1,984
2009-2010	900	415	485	4.45	4,001
Early Tangerines [1]					
2008-2009	2,550	1,908	642	5.59	14,263
2009-2010	2,250	1,550	700	10.32	23,210
Honey Tangerines					
2008-2009	1,300	929	371	8.20	10,660
2009-2010	2,200	1,461	739	9.05	19,915
All Tangerines					
2008-2009	3,850	2,837	1,013	6.49	24,986
2009-2010	4,450	3,011	1,439	9.71	43,194
All Citrus					
2008-2009	189,200	(X)	(X)	(X)	1,046,735
2009-2010	159,250	(X)	(X)	(X)	1,054,716

X Not applicable.
[1] Fallglo and Sunburst varieties.

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Citrus Production by County and Production Area, by Type — Florida: 2009-2010

County	All Citrus	Oranges			Grapefruit		
		Non-Valencia	Late (Valencia)	All	White	Colored	All
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Brevard	591	270	208	478	26	49	75
Charlotte	2,680	725	1,338	2,063	13	374	387
Collier	7,416	3,244	3,609	6,853	32	338	370
DeSoto	17,956	7,712	9,881	17,593	36	140	176
Glades	2,132	1,185	840	2,025	-	25	25
Hardee	13,027	8,747	3,889	12,636	63	103	166
Hendry	16,330	6,451	8,558	15,009	210	667	877
Hernando	311	290	4	294	-	4	4
Highlands	21,592	8,012	12,344	20,356	333	369	702
Hillsborough	3,023	2,194	662	2,856	11	19	30
Indian River	9,603	1,389	1,007	2,396	2,684	4,371	7,055
Lake	4,438	2,606	833	3,439	45	318	363
Lee	2,493	855	1,246	2,101	21	247	268
Manatee	6,111	3,553	2,350	5,903	54	62	116
Marion	353	240	57	297	2	10	12
Martin	3,132	809	2,139	2,948	52	90	142
Okeechobee	1,678	765	509	1,274	133	187	320
Orange	1,368	800	476	1,276	6	22	28
Osceola	3,115	1,710	883	2,593	221	221	442
Palm Beach	98	4	-	4	-	52	52
Pasco	2,902	2,337	468	2,805	5	23	28
Polk	27,875	13,170	11,354	24,524	621	1,119	1,740
St. Lucie	10,219	1,099	2,165	3,264	1,379	5,359	6,738
Sarasota	346	86	118	204	34	76	110
Seminole	137	94	21	115	-	8	8
Volusia	265	174	32	206	17	35	52
Other [2]	109	79	9	88	2	12	14
Total	**159,300**	**68,600**	**65,000**	**133,600**	**6,000**	**14,300**	**20,300**
Indian River	20,487	2,500	3,600	6,100	4,100	9,900	14,000
Northern	9,769	6,574	1,889	8,463	58	398	456
Central	52,282	22,726	24,511	47,237	1,142	1,702	2,844
Western	40,474	22,300	16,900	39,200	200	400	600
Southern	36,288	14,500	18,100	32,600	500	1,900	2,400
Total	**159,300**	**68,600**	**65,000**	**133,600**	**6,000**	**14,300**	**20,300**

See footnote(s) at end of table.

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Citrus Production by County and Production Area by Type — Florida: 2009-2010 (continued)

County	Tangerines			Tangelos
	Early [1]	Honey	All	
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Brevard	25	4	29	9
Charlotte	131	89	220	10
Collier	73	113	186	7
DeSoto	42	127	169	18
Glades	16	65	81	1
Hardee	53	96	149	76
Hendry	93	293	386	58
Hernando	9	1	10	3
Highlands	212	280	492	42
Hillsborough	41	49	90	47
Indian River	64	65	129	23
Lake	424	67	491	145
Lee	56	66	122	2
Manatee	4	38	42	50
Marion	39	-	39	5
Martin	18	15	33	9
Okeechobee	42	30	72	12
Orange	34	8	42	22
Osceola	48	15	63	17
Palm Beach	20	-	20	22
Pasco	46	16	62	7
Polk	751	614	1,365	246
St. Lucie	38	143	181	36
Sarasota	7	4	11	21
Seminole	5	2	7	7
Volusia	4	-	4	3
Other [2]	5	-	5	2
Total	**2,300**	**2,200**	**4,500**	**900**
Indian River	111	207	318	69
Northern	565	94	659	191
Central	999	899	1,898	303
Western	147	314	461	213
Southern	478	686	1,164	124
Total	**2,300**	**2,200**	**4,500**	**900**

- Represents zero.
[1] Fallglo and Sunburst varieties.
[2] Alachua, Citrus, Pinellas, and Putnam Counties.

Total citrus production in 2009-2010 was down in all Florida commercial citrus production areas from the 2008-2009 season. The Southern and Western areas were down the most with decreases of 13.4 million and 7.4 million boxes respectively. The Northern area decrease of less than 400 thousand boxes was the smallest. The top 5 citrus producing counties were Polk (27.9 million), Highlands (21.6 million), DeSoto (18.0 million), Hendry (16.3 million), and Hardee (13.0 million). Losses were recorded in all counties with the exceptions of Hernando and Orange.

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 accurate for the counties as at the State or area levels.

Non-Valencia Orange Estimated Boxes of Fruit per Tree, by Age Group by Production Area — Florida: 2005-2006 through 2009-2010

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)
2005-2006 [2 3]	**1.8**	**1.8**	**2.0**	**2.8**	**3.7**	**2.60**
Indian River	0.7	0.6	0.4	1.4	1.5	1.03
Northern & Central	4.6	2.6	2.7	3.7	5.7	3.74
Western	1.3	1.6	2.9	3.6	4.2	3.12
Southern	0.5	1.5	0.8	1.6	1.4	1.34
2006-2007	**1.1**	**1.8**	**1.8**	**2.5**	**3.6**	**2.36**
Indian River	0.2	0.6	0.9	1.5	1.9	1.33
Northern & Central	0.7	2.2	2.2	2.6	4.9	2.64
Western	2.1	2.3	2.0	3.0	3.7	2.80
Southern	0.4	1.2	1.6	2.3	3.1	1.96
2007-2008	**0.8**	**1.9**	**2.5**	**3.4**	**4.8**	**3.11**
Indian River	0.5	2.0	1.3	2.3	2.6	2.05
Northern & Central	0.9	2.2	2.9	4.0	5.9	3.78
Western	0.9	1.9	2.7	3.7	4.5	3.11
Southern	0.5	1.7	2.5	2.8	5.5	2.68
2008-2009	**1.2**	**1.8**	**2.9**	**3.5**	**4.7**	**3.21**
Indian River	0.3	1.2	1.4	2.5	2.8	2.18
Northern & Central	1.2	1.8	3.7	3.9	6.0	3.83
Western	1.6	2.3	3.0	3.7	4.9	3.40
Southern	0.9	1.4	2.4	2.9	3.6	2.55
2009-2010	**1.0**	**1.8**	**2.1**	**2.8**	**4.0**	**2.66**
Indian River	0.2	1.1	0.9	1.5	1.7	1.37
Northern & Central	1.2	2.0	2.6	3.4	5.0	3.30
Western	1.0	2.2	2.4	3.0	4.2	2.81
Southern	0.8	1.2	1.8	2.2	3.2	2.04
Average	**1.20**	**1.80**	**2.23**	**3.01**	**4.18**	**2.78**
Indian River	0.42	1.12	0.92	1.84	2.11	1.58
Northern & Central	1.73	2.15	2.81	3.50	5.52	3.46
Western	1.40	2.07	2.58	3.43	4.30	3.05
Southern	0.58	1.41	1.75	2.34	3.39	2.09

[1] Average weighted by bearing trees.
[2] Hurricane Wilma adversely affected production in the Indian River and Southern areas.
[3] Does not include Temples.

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 types and age groups 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 by Production Area — Florida: 2005-2006 through 2009-2010

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)
2005-2006 [2]	**0.8**	**1.8**	**1.8**	**2.1**	**3.0**	**1.96**
Indian River	0.2	0.3	0.6	1.3	0.9	0.87
Northern & Central	0.7	2.0	2.6	3.0	4.0	2.72
Western	2.4	2.4	2.4	2.7	4.5	2.82
Southern	0.3	1.3	1.4	1.4	1.5	1.32
2006-2007	**0.6**	**1.5**	**1.5**	**1.9**	**2.7**	**1.75**
Indian River	0.2	0.4	0.8	1.4	1.9	1.09
Northern & Central	1.0	1.1	1.7	2.2	3.3	2.01
Western	0.6	2.2	1.7	1.9	2.7	1.91
Southern	0.4	1.4	1.6	1.8	2.5	1.68
2007-2008	**0.7**	**2.1**	**2.5**	**2.5**	**4.1**	**2.48**
Indian River	0.7	0.3	1.4	1.7	2.5	1.54
Northern & Central	0.8	2.6	2.6	2.9	4.8	2.90
Western	0.9	2.7	3.0	3.1	4.2	3.01
Southern	0.5	1.9	2.3	2.2	3.8	2.16
2008-2009	**0.9**	**1.8**	**2.3**	**2.3**	**3.4**	**2.26**
Indian River	1.2	0.7	0.9	1.6	1.9	1.39
Northern & Central	0.9	2.0	2.3	2.6	4.2	2.61
Western	1.2	2.0	2.6	2.6	3.5	2.52
Southern	0.6	1.9	2.4	2.1	3.1	2.10
2009-2010	**1.0**	**1.4**	**2.0**	**1.9**	**2.9**	**1.92**
Indian River	0.6	0.8	0.8	1.1	1.0	1.00
Northern & Central	1.3	1.5	2.6	2.5	4.0	2.58
Western	1.0	1.9	2.1	2.2	3.3	2.19
Southern	0.6	1.2	1.4	1.5	2.0	1.48
Average	**0.77**	**1.70**	**2.01**	**2.12**	**3.22**	**2.07**
Indian River	0.38	0.52	0.90	1.41	1.61	1.17
Northern & Central	0.91	1.85	2.37	2.65	4.07	2.56
Western	1.22	2.27	2.40	2.51	3.65	2.49
Southern	0.41	1.54	1.77	1.82	2.51	1.74

[1] Average weighted by bearing trees.
[2] Hurricane Wilma adversely affected production in the Indian River and Southern areas.

White Grapefruit Estimated Boxes of Fruit per Tree, by Age Group by Production Area — Florida: 2005-2006 through 2009-2010

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)
2005-2006 [2]	**1.9**	**2.5**	**3.0**	**2.3**	**3.8**	**2.94**
Indian River	1.0	1.5	2.5	1.9	2.8	2.20
Northern & Central	7.9	7.8	9.1	5.7	11.9	8.21
Western	4.8	(X)	3.7	3.6	7.4	5.46
Southern	1.2	4.8	1.8	1.0	0.9	1.22
2006-2007	**0.3**	**2.9**	**4.0**	**4.2**	**5.9**	**4.47**
Indian River	0.3	2.5	4.0	3.9	5.8	4.28
Northern & Central	0.5	1.9	5.0	5.6	7.0	5.46
Western	(X)	(X)	4.2	1.9	6.1	4.26
Southern	0.9	6.7	2.5	4.8	5.8	4.74
2007-2008	**1.6**	**4.1**	**3.2**	**4.5**	**6.3**	**4.75**
Indian River	1.5	4.0	2.9	4.2	6.1	4.52
Northern & Central	0.7	3.0	5.7	6.4	7.8	6.31
Western	8.3	(X)	1.8	4.8	10.0	7.50
Southern	0.8	5.6	3.7	4.0	4.6	4.05
2008-2009	**1.1**	**2.3**	**2.8**	**3.8**	**5.1**	**3.95**
Indian River	0.9	2.2	2.1	3.5	4.4	3.51
Northern & Central	1.7	2.7	6.6	5.2	10.0	6.36
Western	(X)	7.0	5.0	3.8	9.2	6.67
Southern	2.3	1.9	6.3	3.7	3.5	3.57
2009-2010	**0.9**	**1.9**	**3.3**	**3.7**	**5.4**	**4.07**
Indian River	0.9	1.3	3.3	3.2	4.8	3.65
Northern & Central	0.4	2.6	3.3	4.8	8.8	5.61
Western	(X)	7.7	(X)	7.6	6.9	7.41
Southern	(X)	2.7	4.0	4.2	5.9	4.51
Average	**1.17**	**2.73**	**3.28**	**3.75**	**5.25**	**4.00**
Indian River	0.87	2.29	2.96	3.40	4.75	3.61
Northern & Central	2.41	3.94	6.44	5.56	9.25	6.47
Western	6.27	7.33	3.71	4.11	7.86	6.03
Southern	1.10	4.26	2.30	3.57	3.73	3.44

X Not applicable.
[1] Average weighted by bearing trees.
[2] Hurricane Wilma adversely affected production in the Indian River and Southern areas.

Colored Grapefruit Estimated Boxes of Fruit per Tree, by Age Group by Production Area — Florida: 2005-2006 through 2009-2010

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)
2005-2006 [2]	**0.3**	**1.2**	**2.9**	**3.1**	**3.8**	**2.96**
Indian River	0.1	1.4	2.4	2.7	3.4	2.62
Northern & Central	1.6	3.0	7.5	6.9	12.5	7.32
Western	2.1	1.5	0.8	2.6	2.1	2.03
Southern	0.2	0.5	1.9	2.1	4.3	1.89
2006-2007	**1.0**	**2.7**	**3.4**	**4.2**	**5.9**	**4.23**
Indian River	0.7	3.8	3.2	4.0	5.9	4.23
Northern & Central	2.7	1.1	4.8	5.9	6.1	5.57
Western	6.2	1.0	10.2	5.5	8.2	5.93
Southern	0.1	1.1	2.8	3.7	4.6	3.11
2007-2008	**1.6**	**2.9**	**3.2**	**4.0**	**6.3**	**4.30**
Indian River	1.7	2.3	2.9	3.4	6.1	4.04
Northern & Central	3.1	2.7	8.1	7.3	9.1	7.14
Western	0.5	4.2	2.7	3.1	3.2	3.20
Southern	1.0	4.2	2.5	4.3	12.4	4.10
2008-2009	**1.4**	**1.3**	**2.8**	**3.7**	**5.2**	**3.81**
Indian River	1.3	0.9	2.9	2.9	5.1	3.48
Northern & Central	2.9	3.2	4.7	6.4	6.6	6.13
Western	4.6	1.9	5.8	5.9	9.2	5.56
Southern	1.1	2.8	1.9	3.9	7.6	3.67
2009-2010	**1.3**	**3.0**	**2.8**	**3.6**	**5.3**	**3.84**
Indian River	1.2	3.1	2.8	3.0	5.2	3.67
Northern & Central	2.4	3.8	2.9	6.0	8.8	5.93
Western	2.6	2.8	5.0	3.0	4.2	3.10
Southern	1.1	1.6	2.4	3.7	7.0	3.49
Average	**1.16**	**2.24**	**3.01**	**3.76**	**5.33**	**3.82**
Indian River	1.04	2.29	2.73	3.22	5.16	3.60
Northern & Central	2.58	2.96	6.42	6.50	8.70	6.44
Western	3.56	2.87	2.71	4.08	5.30	3.92
Southern	0.66	1.69	2.18	3.61	6.71	3.22

[1] Average weighted by bearing trees.
[2] Hurricane Wilma adversely affected production in the Indian River and Southern areas.

Citrus Equivalent Return per Box, by Variety and Utilization – Florida: Crop Years 2007-2008 through 2009-2010

[2008-2009 and 2009-2010 revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2009-2010 preliminary price based on cash sales only]

Fruit type	Methods of sale			Fruit type	Methods of sale		
	Fresh	Processing	All		Fresh	Processing	All
	(dollars)	(dollars)	(dollars)		(dollars)	(dollars)	(dollars)
Oranges				**Grapefruit**			
Navel				White			
2007-2008	8.45	-0.07	6.47	2007-2008	9.70	0.41	2.36
2008-2009	8.30	-1.92	6.42	2008-2009	6.30	0.62	1.82
2009-2010	12.40	-1.10	9.89	2009-2010	14.00	2.77	5.65
Non-Valencia, excl. Navel				Colored			
2007-2008	7.65	5.84	5.88	2007-2008	10.20	0.81	5.47
2008-2009	4.00	5.06	5.04	2008-2009	8.50	0.44	4.68
2009-2010	8.40	5.37	5.46	2009-2010	13.00	2.35	8.20
Non-Valencia				All Grapefruit			
2007-2008	8.15	5.79	5.90	2007-2008	10.11	0.63	4.42
2008-2009	6.40	5.02	5.09	2008-2009	8.17	0.52	3.81
2009-2010	10.40	5.33	5.61	2009-2010	13.16	2.52	7.44
				Tangerines			
Valencia				Early [1]			
2007-2008	7.20	7.30	7.30	2007-2008	12.85	-0.20	8.64
2008-2009	3.60	6.60	6.50	2008-2009	8.35	-2.60	5.59
2009-2010	10.10	7.16	7.25	2009-2010	15.90	-2.05	10.32
All Oranges				Honey			
2007-2008	7.83	6.57	6.61	2007-2008	8.65	1.01	5.02
2008-2009	5.36	5.78	5.77	2008-2009	12.25	-1.94	8.20
2009-2010	10.30	6.23	6.41	2009-2010	14.00	-0.73	9.05
Tangelos				All Tangerines			
2007-2008	5.50	1.81	2.87	2007-2008	10.85	0.55	6.70
2008-2009	5.50	-1.22	1.73	2008-2009	9.65	-2.36	6.49
2009-2010	9.50	0.12	4.45	2009-2010	15.00	-1.37	9.71

[1] Fallglo and Sunburst varieties.

Citrus Bearing Trees by Variety and Age Group – Florida: Crop Year 2009-2010

Fruit type	Age 1 2004-2006	Age 2 2001-2003	Age 3 1996-2000	Age 4 1986-1995	Age 5 1985 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	2,213	2,921	3,357	12,687	4,582	25,760
Valencia Oranges	2,503	3,252	5,931	18,332	4,233	33,801
White Grapefruit	21	82	120	771	481	1,475
Colored Grapefruit	278	215	189	1,956	1,087	3,725