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# Citrus Fruits 2019 Summary

## August 2019

# USDA





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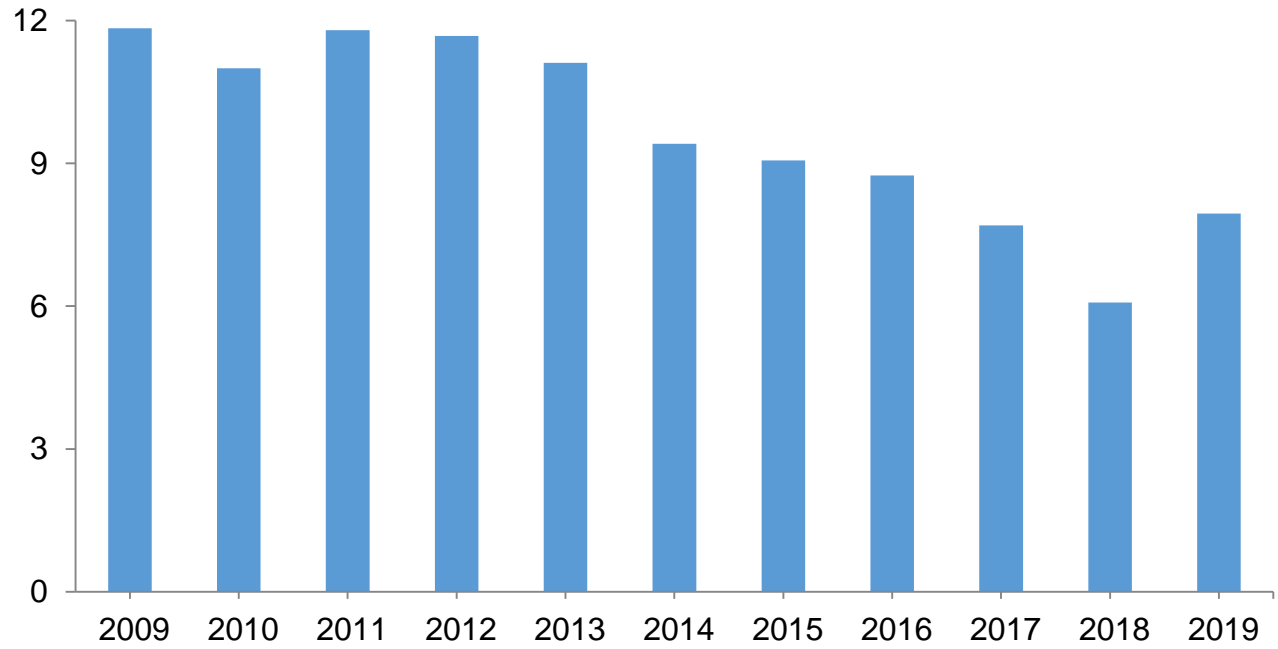
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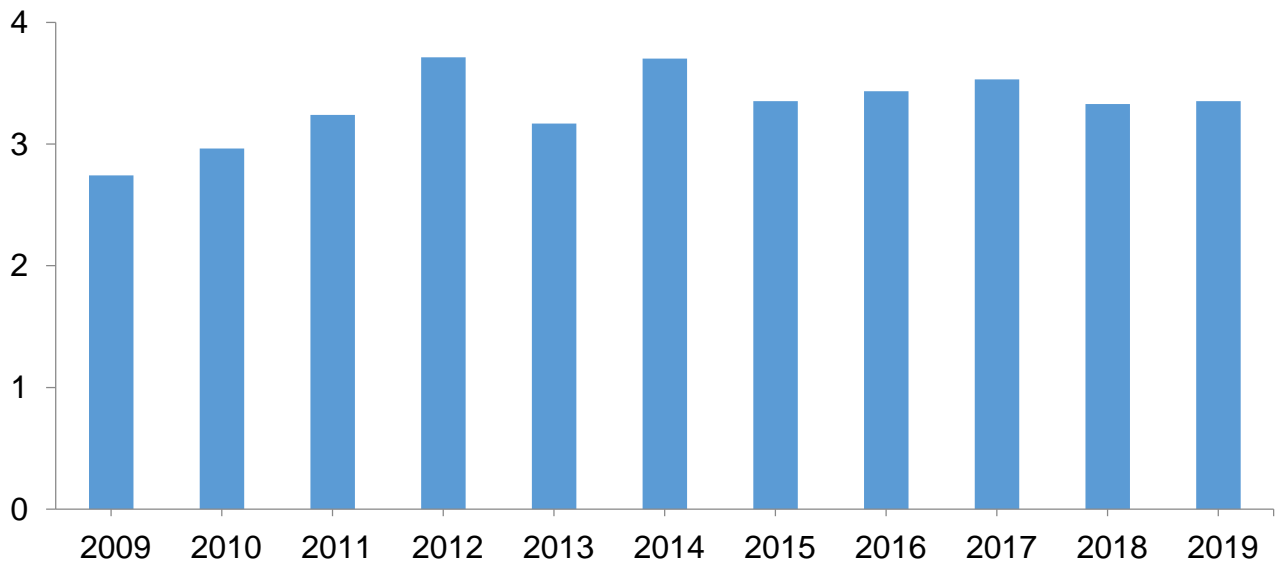
## Utilized Citrus Production – United States

Million tons



## Citrus Value of Production – United States

Billion dollars  
(PHD equivalents)



## **Citrus Utilized Production Up 31 Percent, Value Up 1 Percent**

Citrus utilized production for the 2018-19 season totaled 7.94 million tons, up 31 percent from the 2017-18 season. California accounted for 51 percent of total United States citrus production; Florida totaled 44 percent, and Texas and Arizona produced the remaining 5 percent.

Florida's orange production, at 71.8 million boxes, is up 59 percent from the previous season. Grapefruit utilization in Florida, at 4.51 million boxes, is up 16 percent from last season's utilization. Florida's total citrus utilization increased 56 percent from the previous season. Bearing citrus acreage, at 387,100 acres, is 13,800 acres below the 2017-18 season.

Utilized citrus production in California increased 15 percent from the 2017-18 season. California's all orange production, at 49.8 million boxes, is 13 percent higher than the previous season. Grapefruit production is down 16 percent from the 2017-18 season but tangerine and mandarin production is up 35 percent. Utilized production of citrus in Texas is up 29 percent from the 2017-18 season. Orange production is up 33 percent from the previous season and grapefruit production increased 27 percent. Total citrus production in Arizona's lemon production is up 35 percent from last season.

The value of the 2018-19 United States citrus crop increased 1 percent from last season, to \$3.35 billion (packinghouse-door equivalent). Orange value of production decreased 7 percent from last season and grapefruit value is down 1 percent. Tangerine and mandarin value of production is 31 percent higher than last season but lemon value of production is down 4 percent.

Overall comparisons discussed above are based on similar fruit types. The revised production and utilization estimates are based on all data available at the end of the marketing season, including information from marketing orders, shipments, and processor records. Allowances are made for recorded local utilization and home use. Estimates for the 2018-19 California Valencia oranges and grapefruit are preliminary, since the marketing season is not complete at publication time. Revisions to the utilized production estimates for all citrus for the 2018-19 season will be published in the April 2020 Crop Production.

**Citrus Acreage, Production, Utilization, and Value – States and United States: 2016-2017, 2017-2018, and 2018-2019**

State and season	Bearing acreage	Production			Value of production <sup>1</sup>
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
<b>Arizona</b>					
2016-2017 .....	7,300	62	45	17	45,700
2017-2018 .....	7,300	40	32	8	34,197
2018-2019 .....	7,300	54	36	18	41,706
<b>California</b>					
2016-2017 .....	267,400	3,880	3,048	832	2,221,762
2017-2018 .....	265,300	3,536	2,824	712	2,400,330
2018-2019 .....	267,000	4,072	3,048	1,024	2,106,051
<b>Florida</b>					
2016-2017 .....	410,700	3,505	317	3,188	1,178,085
2017-2018 .....	400,900	2,228	221	2,007	795,007
2018-2019 .....	387,100	3,468	233	3,235	1,116,283
<b>Texas</b>					
2016-2017 .....	24,400	250	162	88	86,578
2017-2018 .....	24,400	272	175	97	100,618
2018-2019 .....	24,800	350	141	209	89,797
<b>United States</b>					
2016-2017 .....	709,800	7,697	3,572	4,125	3,532,125
2017-2018 .....	697,900	6,076	3,252	2,824	3,330,152
2018-2019 .....	686,200	7,944	3,458	4,486	3,353,837

<sup>1</sup> Packinghouse-door equivalents.



**Citrus Acreage, Production, Utilization, and Value by Crop – United States: 2016-2017, 2017-2018, and 2018-2019**

Crop and season	Bearing acreage	Production			Value of production <sup>1</sup>
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
<b>Oranges</b>					
Early, midseason, and Navel					
2016-2017 .....	286,100	3,103	1,430	1,673	1,170,847
2017-2018 .....	278,600	2,354	1,343	1,011	1,196,646
2018-2019 .....	274,100	3,094	1,325	1,769	977,274
Valencia					
2016-2017 .....	241,400	1,985	350	1,635	772,831
2017-2018 .....	238,900	1,521	316	1,205	633,799
2018-2019 .....	235,800	2,233	329	1,904	727,125
All oranges					
2016-2017 .....	527,500	5,088	1,780	3,308	1,943,678
2017-2018 .....	517,500	3,875	1,659	2,216	1,830,445
2018-2019 .....	509,900	5,327	1,654	3,673	1,704,399
<b>Grapefruit <sup>2</sup></b>					
2016-2017 .....	59,600	698	402	296	256,917
2017-2018 .....	54,800	509	298	211	207,970
2018-2019 .....	49,700	564	282	282	206,541
<b>Lemons</b>					
2016-2017 .....	54,300	882	701	181	763,446
2017-2018 .....	54,300	888	680	208	715,761
2018-2019 .....	54,300	966	704	262	685,708
<b>Tangerines and mandarins</b>					
2016-2017 .....	68,400	1,029	689	340	568,084
2017-2018 .....	71,300	804	615	189	575,976
2018-2019 .....	72,300	1,087	818	269	757,189

<sup>1</sup> Packinghouse-door equivalents.

<sup>2</sup> Includes pummelos in California.

**Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2016-2017, 2017-2018, and 2018-2019**

[See Statistical Methodology for net weight per box and price per box calculations]

State, type, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box <sup>1</sup>			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
<b>California</b>											
Navel and miscellaneous											
2016-2017 .....	122,000	322	39,300	33,100	6,200	17.97	(D)	(D)	706,121	(D)	(D)
2017-2018 .....	118,000	304	35,900	30,900	5,000	25.36	(D)	(D)	910,492	(D)	(D)
2018-2019 .....	118,000	346	40,800	30,600	10,200	14.23	(D)	(D)	580,584	(D)	(D)
Valencia											
2016-2017 .....	30,000	300	9,000	7,000	2,000	20.25	(D)	(D)	182,210	(D)	(D)
2017-2018 .....	29,000	286	8,300	5,900	2,400	22.00	(D)	(D)	182,560	(D)	(D)
2018-2019 .....	29,000	310	9,000	6,500	2,500	9.99	(D)	(D)	89,945	(D)	(D)
All											
2016-2017 .....	152,000	318	48,300	40,100	8,200	18.39	(D)	(D)	888,331	(D)	(D)
2017-2018 .....	147,000	301	44,200	36,800	7,400	24.73	(D)	(D)	1,093,052	(D)	(D)
2018-2019 .....	147,000	339	49,800	37,100	12,700	13.46	(D)	(D)	670,529	(D)	(D)
<b>Florida</b>											
Non-Valencia											
2016-2017 .....	158,300	208	33,000	1,503	31,497	13.56	21.20	13.20	447,624	31,864	415,760
2017-2018 .....	154,400	123	18,950	1,316	17,634	13.70	23.05	13.00	259,576	30,334	229,242
2018-2019 .....	149,800	203	30,400	1,504	28,896	12.40	20.05	12.00	376,907	30,155	346,752
Valencia											
2016-2017 .....	209,200	171	35,850	1,300	34,550	16.27	20.90	16.10	583,425	27,170	556,255
2017-2018 .....	207,400	126	26,100	1,443	24,657	16.95	22.85	16.60	442,279	32,973	409,306
2018-2019 .....	204,300	202	41,350	1,261	40,089	15.29	18.25	15.20	632,366	23,013	609,353
All											
2016-2017 .....	367,500	187	68,850	2,803	66,047	14.98	21.06	14.72	1,031,049	59,034	972,015
2017-2018 .....	361,800	125	45,050	2,759	42,291	15.58	22.95	15.10	701,855	63,307	638,548
2018-2019 .....	354,100	203	71,750	2,765	68,985	14.07	19.23	13.86	1,009,273	53,168	956,105

See footnote(s) at end of table.

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**Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2016-2017, 2017-2018, and 2018-2019 (continued)**

[See Statistical Methodology for net weight per box and price per box calculations]

State, type, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box <sup>1</sup>			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
<b>Texas</b>											
Early and midseason											
2016-2017 .....	5,800	188	1,090	900	190	15.69	(D)	(D)	17,102	(D)	(D)
2017-2018 .....	6,200	247	1,530	1,140	390	17.37	(D)	(D)	26,578	(D)	(D)
2018-2019 .....	6,300	351	2,210	780	1,430	8.95	(D)	(D)	19,783	(D)	(D)
Valencia											
2016-2017 .....	2,200	127	280	280	-	25.70	(D)	(D)	7,196	(D)	(D)
2017-2018 .....	2,500	140	350	350	-	25.60	(D)	(D)	8,960	(D)	(D)
2018-2019 .....	2,500	116	290	290	-	16.60	(D)	(D)	4,814	(D)	(D)
All											
2016-2017 .....	8,000	171	1,370	1,180	190	17.74	(D)	(D)	24,298	(D)	(D)
2017-2018 .....	8,700	216	1,880	1,490	390	18.90	(D)	(D)	35,538	(D)	(D)
2018-2019 .....	8,800	284	2,500	1,070	1,430	9.84	(D)	(D)	24,597	(D)	(D)
<b>United States</b>											
Early, midseason, and Navel											
2016-2017 .....	286,100	257	73,390	35,503	37,887	15.83	21.10	11.32	1,170,847	749,241	421,606
2017-2018 .....	278,600	202	56,380	33,356	23,024	20.92	28.85	10.36	1,196,646	963,826	232,820
2018-2019 .....	274,100	268	73,410	32,884	40,526	13.26	19.18	8.83	977,274	630,383	346,891
Valencia											
2016-2017 .....	241,400	187	45,130	8,580	36,550	17.05	24.00	15.56	772,831	206,356	566,475
2017-2018 .....	238,900	145	34,750	7,693	27,057	18.14	27.49	15.68	633,799	212,325	421,474
2018-2019 .....	235,800	215	50,640	8,051	42,589	14.44	14.42	14.45	727,125	115,447	611,678
All											
2016-2017 .....	527,500	225	118,520	44,083	74,437	16.30	21.67	13.42	1,943,678	955,597	988,081
2017-2018 .....	517,500	176	91,130	41,049	50,081	19.82	28.59	13.25	1,830,445	1,176,151	654,294
2018-2019 .....	509,900	243	124,050	40,935	83,115	13.76	18.23	11.74	1,704,399	745,830	958,569

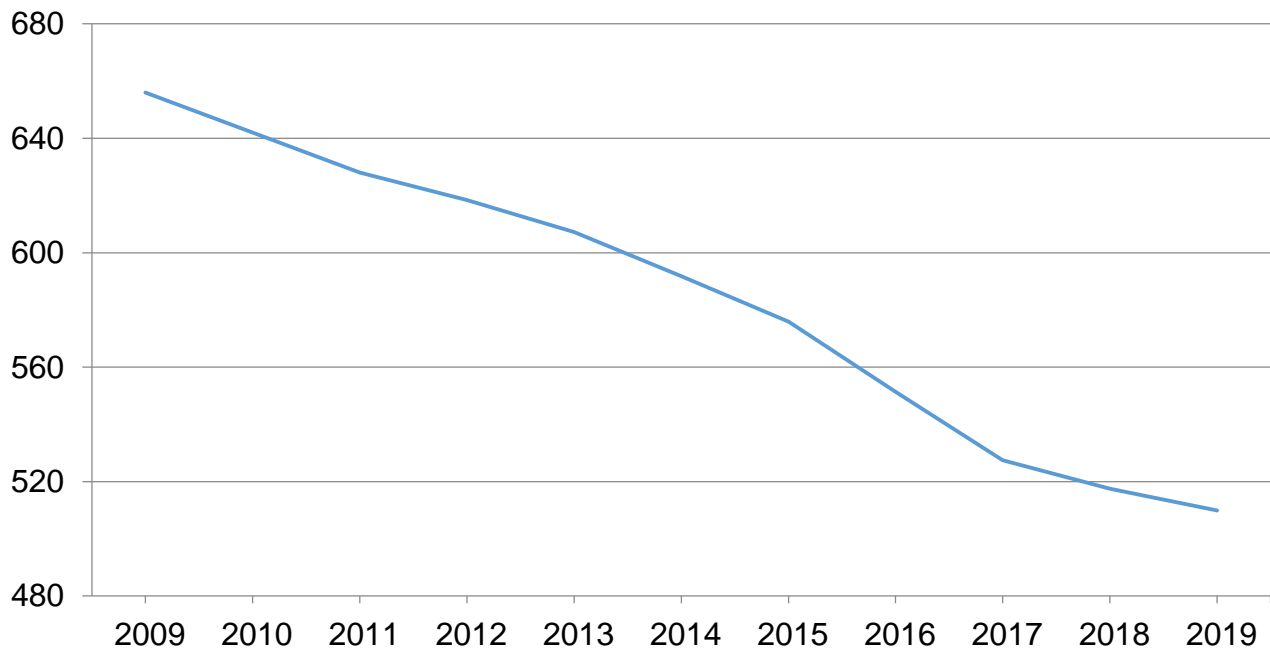
- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Equivalent packinghouse-door returns.

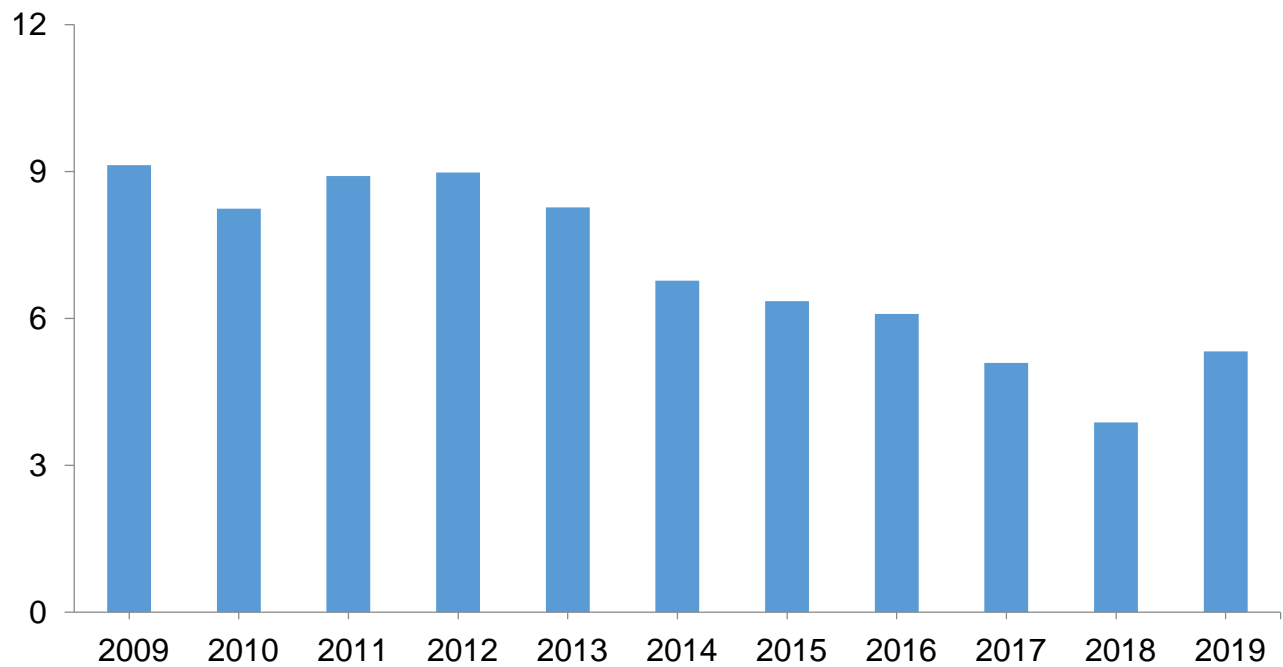
## Bearing Acres of Oranges – United States

Thousand acres



## Utilized Orange Production – United States

Million tons



## Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2016-2017, 2017-2018, and 2018-2019

[See Statistical Methodology for net weight per box and price per box calculations]

State, type, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box <sup>1</sup>			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
<b>California</b> <sup>2</sup>											
2016-2017 .....	9,400	468	4,400	3,500	900	19.01	(D)	(D)	83,647	(D)	(D)
2017-2018 .....	9,300	409	3,800	2,800	1,000	18.34	(D)	(D)	69,690	(D)	(D)
2018-2019 .....	9,000	356	3,200	2,600	600	17.49	(D)	(D)	55,956	(D)	(D)
<b>Florida</b>											
White <sup>3</sup>											
2016-2017 .....	8,100	183	1,480	406	1,074	12.99	21.65	9.71	19,219	8,790	10,429
2017-2018 .....	6,300	111	700	189	511	16.81	28.45	12.50	11,765	5,377	6,388
2018-2019 .....	4,300	179	770	221	549	18.98	31.35	14.00	14,614	6,928	7,686
Red											
2016-2017 .....	25,700	244	6,280	3,131	3,149	14.61	18.75	10.50	91,771	58,706	33,065
2017-2018 .....	23,500	135	3,180	1,555	1,625	19.32	26.55	12.40	61,435	41,285	20,150
2018-2019 .....	20,400	183	3,740	1,700	2,040	18.92	25.55	13.40	70,771	43,435	27,336
All											
2016-2017 .....	33,800	230	7,760	3,537	4,223	14.30	19.08	10.30	110,990	67,496	43,494
2017-2018 .....	29,800	130	3,880	1,744	2,136	18.87	26.76	12.42	73,200	46,662	26,538
2018-2019 .....	24,700	183	4,510	1,921	2,589	18.93	26.22	13.53	85,385	50,363	35,022
<b>Texas</b>											
2016-2017 .....	16,400	293	4,800	2,800	2,000	12.98	(D)	(D)	62,280	(D)	(D)
2017-2018 .....	15,700	306	4,800	2,800	2,000	13.56	(D)	(D)	65,080	(D)	(D)
2018-2019 .....	16,000	381	6,100	2,400	3,700	10.69	(D)	(D)	65,200	(D)	(D)
<b>United States</b> <sup>2</sup>											
2016-2017 .....	59,600	285	16,960	9,837	7,123	15.12	21.14	6.93	256,917	208,441	48,476
2017-2018 .....	54,800	228	12,480	7,344	5,136	16.71	23.88	6.56	207,970	175,042	32,928
2018-2019 .....	49,700	278	13,810	6,921	6,889	15.04	23.77	6.31	206,541	164,243	42,298

(D) Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Equivalent packinghouse-door returns.

<sup>2</sup> Includes pummelos in California.

<sup>3</sup> Includes seedy grapefruit.

## Lemon, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2016-2017, 2017-2018, and 2018-2019

[See Statistical Methodology for net weight per box and price per box calculations]

Crop, State, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box <sup>1</sup>			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
<b>Lemons</b>											
Arizona											
2016-2017 .....	7,300	212	1,550	1,115	435	29.48	(D)	(D)	45,700	(D)	(D)
2017-2018 .....	7,300	137	1,000	805	195	34.20	(D)	(D)	34,197	(D)	(D)
2018-2019 .....	7,300	185	1,350	912	438	30.89	(D)	(D)	41,706	(D)	(D)
California											
2016-2017 .....	47,000	436	20,500	16,400	4,100	35.01	(D)	(D)	717,746	(D)	(D)
2017-2018 .....	47,000	451	21,200	16,200	5,000	32.15	(D)	(D)	681,564	(D)	(D)
2018-2019 .....	47,000	485	22,800	16,700	6,100	28.25	(D)	(D)	644,002	(D)	(D)
United States											
2016-2017 .....	54,300	406	22,050	17,515	4,535	34.62	(D)	(D)	763,446	(D)	(D)
2017-2018 .....	54,300	409	22,200	17,005	5,195	32.24	(D)	(D)	715,761	(D)	(D)
2018-2019 .....	54,300	445	24,150	17,612	6,538	28.39	(D)	(D)	685,708	(D)	(D)
<b>Tangerines and mandarins</b>											
California <sup>2</sup>											
2016-2017 .....	59,000	403	23,800	16,200	7,600	22.35	(D)	(D)	532,038	(D)	(D)
2017-2018 .....	62,000	310	19,200	14,800	4,400	28.96	(D)	(D)	556,024	(D)	(D)
2018-2019 .....	64,000	406	26,000	19,800	6,200	28.29	(D)	(D)	735,564	(D)	(D)
Florida											
2016-2017 <sup>3</sup> .....	9,400	172	1,620	854	766	22.25	33.40	9.82	36,046	28,524	7,522
2017-2018 <sup>4</sup> .....	9,300	81	750	486	264	26.60	35.90	9.49	19,952	17,447	2,505
2018-2019 <sup>4</sup> .....	8,300	119	990	543	447	21.84	32.30	9.14	21,625	17,539	4,086
United States											
2016-2017 <sup>5</sup> .....	68,400	372	25,420	17,054	8,366	22.35	32.90	1.00	568,084	561,018	7,066
2017-2018 <sup>6</sup> .....	71,300	280	19,950	15,286	4,664	28.86	37.53	0.57	575,976	573,779	2,197
2018-2019 <sup>6</sup> .....	72,300	373	26,990	20,343	6,647	28.01	37.14	0.28	757,189	756,079	1,110

(D) Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Equivalent packinghouse-door returns.

<sup>2</sup> Includes tangelos and tangors.

<sup>3</sup> Includes Fallglo, Sunburst, Royal and Honey tangerine, and tangelos.

<sup>4</sup> Includes all certified varieties of tangerines and tangelos.

<sup>5</sup> Includes tangelos and tangors in California. Includes Fallglo, Sunburst, Royal and Honey tangerines and tangelos.

<sup>6</sup> Includes tangelos and tangors in California. Includes all certified varieties of tangerines and tangelos in Florida.

## Citrus Prices

Revised State and United States monthly average prices and equivalent returns, and marketing year average prices for the 2017-18 and 2018-19 citrus crops are shown on the following pages. Revised monthly prices refer to all fruit sold in a given month regardless of the crop year in which the fruit was harvested.

Marketing year average prices refer to the prices received by growers for the entire marketing season for any one crop year. The crop year 2018-19 as shown on all citrus tables in this publication refers to the crop which bloomed in 2018 and was marketed during the 2018-19 season. For example, the 2018-19 marketing year average price received by Florida growers for grapefruit refers to marketings from September 2018 through June 2019. In some years the season may vary a month or two, but a price was estimated only for those months with sufficient movement.

Monthly and marketing year average prices are weighted by box size at the United States level for oranges, grapefruit, and tangerines and mandarins. See page 32 for approximate net contents per box at the State level.

Citrus prices are based on weighted average F.O.B. packed prices received for fresh fruit and weighted average prices received at the processing plant door for processing fruit. Equivalent returns for fresh and processed fruits are calculated at the packinghouse-door level and on-tree level by deducting hauling, picking, sorting, grading, packing, cooling, marketing, and other costs from the two base prices. In some cases, this results in negative returns.

# Orange Average Prices and Equivalent Returns by Type and Season – California: 2017-2018 and 2018-2019

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
<b>Oranges, all</b>							
2017-2018							
September .....	41.30	23.63	31.57	(D)	20.87	28.86	(D)
October .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
November .....	40.70	27.85	30.78	(D)	25.07	28.02	(D)
December .....	38.40	25.81	28.48	(D)	23.03	25.72	(D)
January .....	38.90	25.87	28.98	(D)	23.09	26.22	(D)
February .....	39.00	25.74	29.08	(D)	22.96	26.32	(D)
March .....	37.90	23.28	27.98	(D)	20.49	25.22	(D)
April .....	37.80	22.38	27.88	(D)	19.58	25.12	(D)
May .....	39.60	23.63	29.69	(D)	20.82	26.93	(D)
June .....	42.00	26.37	32.07	(D)	23.57	29.31	(D)
July .....	39.40	23.38	29.48	(D)	20.57	26.72	(D)
August .....	39.60	20.89	29.68	(D)	18.06	26.92	(D)
2018-2019							
September .....	41.90	23.01	31.98	(D)	20.18	29.22	(D)
October .....	36.80	22.78	26.73	(D)	19.95	23.93	(D)
November .....	32.90	20.60	22.78	(D)	17.76	19.96	(D)
December .....	32.50	18.67	22.38	(D)	15.81	19.56	(D)
January .....	29.00	15.28	18.88	(D)	12.42	16.06	(D)
February .....	27.70	13.12	17.58	(D)	10.25	14.76	(D)
March .....	28.40	14.39	18.28	(D)	11.52	15.46	(D)
April .....	27.10	12.08	17.02	(D)	9.21	14.20	(D)
May .....	26.00	10.11	15.88	(D)	7.22	13.06	(D)
June .....	25.10	7.11	14.93	(D)	4.19	12.11	(D)
July .....	23.70	9.60	13.58	(D)	6.71	10.76	(D)
<b>Navel and miscellaneous</b>							
2017-2018							
October .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
November .....	40.70	27.85	30.78	(D)	25.07	28.02	(D)
December .....	38.40	25.81	28.48	(D)	23.03	25.72	(D)
January .....	38.90	25.87	28.98	(D)	23.09	26.22	(D)
February .....	39.00	25.74	29.08	(D)	22.96	26.32	(D)
March .....	37.90	23.28	27.98	(D)	20.49	25.22	(D)
April .....	38.10	22.66	28.18	(D)	19.86	25.42	(D)
May .....	41.60	24.77	31.68	(D)	21.96	28.92	(D)
June .....	43.70	29.63	33.78	(D)	26.84	31.02	(D)
2018-2019							
October .....	(D)	(D)	(D)	(S)	(D)	(D)	(S)
November .....	32.90	20.60	22.78	(D)	17.76	19.96	(D)
December .....	32.50	18.67	22.38	(D)	15.81	19.56	(D)
January .....	29.00	15.28	18.88	(D)	12.42	16.06	(D)
February .....	27.70	13.12	17.58	(D)	10.25	14.76	(D)
March .....	28.40	14.39	18.28	(D)	11.52	15.46	(D)
April .....	27.60	12.12	17.48	(D)	9.24	14.66	(D)
May .....	26.90	10.06	16.78	(D)	7.16	13.96	(D)
June .....	27.00	5.77	16.88	(D)	2.82	14.06	(D)

See footnote(s) at end of table.

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**Orange Average Prices and Equivalent Returns by Type and Season – California: 2017-2018 and 2018-2019 (continued)**

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
<b>Valencia</b>							
2018							
April .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
May .....	35.80	21.42	25.88	(D)	18.62	23.12	(D)
June .....	39.60	22.65	29.68	(D)	19.83	26.92	(D)
July .....	39.40	23.38	29.48	(D)	20.57	26.72	(D)
August .....	39.60	20.89	29.68	(D)	18.06	26.92	(D)
September .....	41.90	23.01	31.98	(D)	20.18	29.22	(D)
October .....	40.00	21.74	30.08	(D)	18.92	27.32	(D)
2019							
April .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
May .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
June .....	23.10	9.67	12.98	(D)	6.79	10.16	(D)
July .....	23.70	9.60	13.58	(D)	6.71	10.76	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

# Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2017-2018 and 2018-2019

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>Oranges, all</b>							
2017-2018							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	39.80	(S)	27.95	(S)	(S)	24.50	(S)
November .....	35.50	14.11	23.65	12.60	10.83	20.20	9.35
December .....	33.60	13.44	21.75	13.10	10.18	18.30	9.85
January .....	33.00	13.53	21.16	13.12	10.28	17.73	9.88
February .....	33.90	17.27	22.01	15.57	14.11	18.67	12.47
March .....	33.50	16.67	21.70	16.48	13.62	18.40	13.43
April .....	34.00	16.76	22.15	16.60	13.71	18.85	13.55
May .....	35.70	17.09	23.85	16.60	14.03	20.55	13.55
June .....	35.70	(S)	23.85	(S)	(S)	20.55	(S)
July .....	35.70	(S)	23.85	(S)	(S)	20.55	(S)
August .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	34.90	(S)	23.55	(S)	(S)	20.15	(S)
November .....	34.30	14.26	22.95	10.50	11.00	19.55	7.30
December .....	30.80	11.80	19.45	11.50	8.60	16.05	8.30
January .....	30.10	12.38	18.79	12.20	9.17	15.39	9.00
February .....	28.00	12.86	16.63	12.67	9.66	13.28	9.48
March .....	30.20	14.86	18.86	14.74	11.80	15.61	11.69
April .....	28.60	15.15	17.25	15.10	12.10	14.00	12.05
May .....	28.90	15.55	17.55	15.50	12.49	14.30	12.45
June .....	29.40	15.79	18.05	15.60	12.72	14.80	12.55
July .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
<b>Non-Valencia</b>							
2017-2018							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	39.80	(S)	27.95	(S)	(S)	24.50	(S)
November .....	35.50	14.11	23.65	12.60	10.83	20.20	9.35
December .....	33.60	13.44	21.75	13.10	10.18	18.30	9.85
January .....	32.30	13.42	20.45	13.10	10.16	17.00	9.85
February .....	31.50	(S)	19.65	(S)	(S)	16.20	(S)
March .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	34.90	(S)	23.55	(S)	(S)	20.15	(S)
November .....	34.30	14.26	22.95	10.50	11.00	19.55	7.30
December .....	30.80	11.80	19.45	11.50	8.60	16.05	8.30
January .....	30.10	12.37	18.75	12.20	9.17	15.35	9.00
February .....	25.20	12.64	13.85	12.60	9.43	10.45	9.40
March .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

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**Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2017-2018 and 2018-2019 (continued)**

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>Valencia</b>							
2018							
January .....	37.00	(S)	25.15	(S)	(S)	21.85	(S)
February .....	34.60	18.07	22.75	16.30	14.95	19.45	13.25
March .....	33.60	16.69	21.75	16.50	13.63	18.45	13.45
April .....	34.00	16.76	22.15	16.60	13.71	18.85	13.55
May .....	35.70	17.09	23.85	16.60	14.03	20.55	13.55
June .....	35.70	(S)	23.85	(S)	(S)	20.55	(S)
July .....	35.70	(S)	23.85	(S)	(S)	20.55	(S)
August .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2019							
January .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
February .....	32.60	(S)	21.25	(S)	(S)	18.00	(S)
March .....	30.40	14.92	19.05	14.80	11.86	15.80	11.75
April .....	28.60	15.15	17.25	15.10	12.10	14.00	12.05
May .....	28.90	15.55	17.55	15.50	12.49	14.30	12.45
June .....	29.40	15.79	18.05	15.60	12.72	14.80	12.55
July .....	29.30	(S)	17.95	(S)	(S)	14.70	(S)

(S) Insufficient number of reports to establish an estimate.

# Orange Average Prices and Equivalent Returns by Type and Season – Texas: 2017-2018 and 2018-2019

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
<b>Oranges, all</b>							
2017-2018							
October .....	39.30	25.28	27.70	(D)	23.46	25.87	(D)
November .....	42.50	25.81	30.90	(D)	24.01	29.07	(D)
December .....	29.90	16.14	18.30	(D)	14.34	16.47	(D)
January .....	30.40	14.94	18.80	(D)	13.15	16.97	(D)
February .....	30.90	13.96	19.30	(D)	12.19	17.47	(D)
March .....	36.00	19.56	24.45	(D)	17.76	22.62	(D)
April .....	36.60	19.10	24.96	(D)	17.32	23.13	(D)
May .....	36.50	20.59	24.93	(D)	18.80	23.10	(D)
2018-2019							
November .....	32.80	16.35	21.20	(D)	14.56	19.37	(D)
December .....	31.40	12.81	19.80	(D)	11.05	17.97	(D)
January .....	33.30	13.89	21.70	(D)	12.13	19.87	(D)
February .....	33.30	13.49	21.70	(D)	11.73	19.87	(D)
March .....	28.30	13.38	16.71	(D)	11.59	14.88	(D)
April .....	28.40	12.63	16.84	(D)	10.85	15.01	(D)
May .....	27.90	(D)	16.30	(D)	(D)	14.47	(D)
<b>Early and midseason</b>							
2017-2018							
October .....	39.30	25.28	27.70	(D)	23.46	25.87	(D)
November .....	42.50	25.81	30.90	(D)	24.01	29.07	(D)
December .....	29.90	16.14	18.30	(D)	14.34	16.47	(D)
January .....	30.40	14.94	18.80	(D)	13.15	16.97	(D)
February .....	30.90	13.96	19.30	(D)	12.19	17.47	(D)
March .....	30.90	8.99	19.30	(D)	7.27	17.47	(D)
April .....	(S)	6.20	(S)	(D)	4.50	(S)	(D)
May .....	(S)	(S)	(S)	(D)	(S)	(S)	(D)
2018-2019							
November .....	32.80	16.35	21.20	(D)	14.56	19.37	(D)
December .....	31.40	12.81	19.80	(D)	11.05	17.97	(D)
January .....	33.30	13.89	21.70	(D)	12.13	19.87	(D)
February .....	33.30	12.47	21.70	(D)	10.72	19.87	(D)
March .....	(S)	(D)	(S)	(D)	(D)	(S)	(D)
April .....	(S)	(D)	(S)	(D)	(D)	(S)	(D)
May .....	(S)	(D)	(S)	(D)	(D)	(S)	(D)
<b>Valencia</b>							
2018							
March .....	37.20	25.60	25.60	(S)	23.77	23.77	(S)
April .....	37.20	25.60	25.60	(S)	23.77	23.77	(S)
May .....	37.20	25.60	25.60	(S)	23.77	23.77	(S)
2019							
February .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
March .....	27.90	16.30	16.30	(S)	14.47	14.47	(S)
April .....	27.90	16.30	16.30	(S)	14.47	14.47	(S)
May .....	27.90	16.30	16.30	(S)	14.47	14.47	(S)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

## Orange Average Prices and Equivalent Returns by Season – United States: 2017-2018 and 2018-2019

[Includes California, Florida, and Texas]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>2017-2018</b>							
September .....	41.30	23.36	31.54	(D)	20.57	28.81	(D)
October .....	41.90	28.56	31.71	(D)	25.66	28.84	(D)
November .....	40.10	21.19	29.89	11.31	18.17	27.04	8.09
December .....	37.90	17.06	27.84	12.60	13.94	25.01	9.36
January .....	38.50	18.75	28.42	12.14	15.69	25.61	8.92
February .....	38.70	24.32	28.68	8.91	21.48	25.89	5.87
March .....	37.60	19.34	27.59	14.77	16.39	24.79	11.73
April .....	37.50	18.41	27.41	15.37	15.42	24.60	12.32
May .....	39.20	20.13	29.15	14.14	17.18	26.35	11.10
June .....	41.60	25.96	31.50	(D)	23.12	28.70	(D)
July .....	39.20	23.13	29.11	(D)	20.29	26.32	(D)
August .....	39.60	20.58	29.68	(D)	17.73	26.92	(D)
<b>2018-2019</b>							
September .....	41.80	23.00	31.89	(D)	20.17	29.13	(D)
October .....	36.60	22.49	26.39	(D)	19.60	23.53	(D)
November .....	33.10	18.58	22.80	8.25	15.61	19.90	5.09
December .....	32.30	13.58	22.04	10.87	10.46	19.15	7.68
January .....	29.10	13.21	18.87	11.32	10.10	16.01	8.13
February .....	27.70	12.99	17.52	10.13	9.95	14.66	6.97
March .....	28.50	14.68	18.31	13.06	11.70	15.47	10.01
April .....	27.20	14.24	17.04	13.39	11.23	14.19	10.34
May .....	26.30	14.07	16.03	13.61	11.06	13.17	10.56
June .....	25.50	10.54	15.21	8.21	7.56	12.35	5.17
July .....	23.90	10.16	13.75	(D)	7.26	10.91	(D)

(D) Withheld to avoid disclosing data for individual operations.

## Grapefruit Average Prices and Equivalent Returns by Season – California: 2017-2018 and 2018-2019

[Includes pummelos]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>2017-2018</b>							
November .....	(D)	23.35	(D)	(S)	20.94	(D)	(S)
December .....	(D)	23.25	(D)	(S)	20.84	(D)	(S)
January .....	(D)	24.65	(D)	(S)	22.24	(D)	(S)
February .....	(D)	21.60	(D)	(S)	19.06	(D)	(S)
March .....	(D)	20.52	(D)	(D)	17.82	(D)	(D)
April .....	(D)	20.79	(D)	(D)	18.12	(D)	(D)
May .....	(D)	19.69	(D)	(D)	16.98	(D)	(D)
June .....	(D)	17.22	(D)	(D)	14.35	(D)	(D)
July .....	(D)	16.18	(D)	(D)	13.34	(D)	(D)
August .....	(D)	12.67	(D)	(D)	9.57	(D)	(D)
September .....	(D)	17.66	(D)	(D)	14.80	(D)	(D)
October .....	(D)	17.30	(D)	(D)	14.48	(D)	(D)
<b>2018-2019</b>							
November .....	(D)	23.60	(D)	(S)	21.14	(D)	(S)
December .....	(D)	24.20	(D)	(S)	21.74	(D)	(S)
January .....	(D)	22.60	(D)	(S)	20.14	(D)	(S)
February .....	(D)	20.21	(D)	(S)	17.62	(D)	(S)
March .....	(D)	15.88	(D)	(D)	13.12	(D)	(D)
April .....	(D)	16.64	(D)	(D)	13.92	(D)	(D)
May .....	(D)	16.78	(D)	(D)	14.02	(D)	(D)
June .....	(D)	14.83	(D)	(D)	11.92	(D)	(D)
July .....	(D)	14.23	(D)	(D)	11.34	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

## Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2017-2018 and 2018-2019

[Only months with reported prices in a given crop year are listed]

Type, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
<b>Grapefruit, all</b>							
2017-2018							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	42.60	25.70	31.43	10.45	22.65	28.62	6.77
November .....	39.40	22.05	28.23	11.97	18.94	25.43	8.35
December .....	36.90	17.82	25.73	12.14	14.54	22.92	8.53
January .....	36.80	17.68	25.61	12.26	14.40	22.81	8.66
February .....	36.80	17.81	25.63	13.37	14.48	22.82	9.74
March .....	36.50	18.02	25.35	13.48	14.68	22.55	9.81
April .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
May .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	43.60	29.42	32.99	13.00	26.49	30.19	9.48
November .....	39.10	23.83	28.49	13.08	20.81	25.69	9.58
December .....	37.10	20.91	26.42	13.90	17.80	23.62	10.41
January .....	35.50	18.74	24.83	14.45	15.53	22.03	10.96
February .....	34.70	17.57	24.09	14.60	14.31	21.29	11.12
March .....	33.10	14.51	22.44	12.16	11.19	19.64	8.68
April .....	35.50	16.00	24.85	10.89	12.74	22.05	7.36
May .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
June .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
<b>Grapefruit, white <sup>1</sup></b>							
2017-2018							
October .....	40.40	(S)	29.25	(S)	(S)	26.40	(S)
November .....	44.00	20.55	32.85	12.20	17.40	30.00	8.85
December .....	38.00	15.82	26.85	11.70	12.60	24.00	8.35
January .....	39.80	16.73	28.65	12.40	13.52	25.80	9.05
February .....	35.30	15.76	24.15	14.00	12.49	21.30	10.65
March .....	(S)	(S)	(S)	13.30	(S)	(S)	9.95
April .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
May .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2018-2019							
October .....	44.20	(S)	33.55	(S)	(S)	30.75	(S)
November .....	45.20	26.47	34.55	13.00	23.50	31.75	9.75
December .....	43.00	22.06	32.35	13.90	19.01	29.55	10.65
January .....	40.60	19.46	29.95	13.90	16.37	27.15	10.65
February .....	39.60	17.33	28.95	14.30	14.17	26.15	11.05
March .....	39.60	14.49	28.95	13.90	11.26	26.15	10.65
April .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

--continued

## Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2017-2018 and 2018-2019 (continued)

[Only months with reported prices in a given crop year are listed]

Type, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
<b>Grapefruit, red</b>							
2017-2018							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	42.70	25.77	31.55	10.40	22.73	28.75	6.70
November .....	38.90	22.30	27.75	11.90	19.20	24.95	8.20
December .....	36.70	18.36	25.55	12.30	15.07	22.75	8.60
January .....	36.20	17.98	25.05	12.20	14.68	22.25	8.50
February .....	36.90	18.21	25.75	13.20	14.87	22.95	9.50
March .....	36.50	18.30	25.35	13.50	14.96	22.55	9.80
April .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	43.60	29.55	32.95	13.00	26.62	30.15	9.45
November .....	38.30	23.41	27.65	13.10	20.39	24.85	9.55
December .....	36.20	20.69	25.55	13.90	17.57	22.75	10.35
January .....	34.50	18.57	23.85	14.60	15.34	21.05	11.05
February .....	33.90	17.64	23.25	14.70	14.35	20.45	11.15
March .....	32.90	14.52	22.25	11.70	11.17	19.45	8.15
April .....	35.50	16.09	24.85	10.70	12.82	22.05	7.15
May .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
June .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)

(S) Insufficient number of reports to establish an estimate.

<sup>1</sup> Includes seedy grapefruit.



## Grapefruit Average Prices and Equivalent Returns by Season – Texas: 2017-2018 and 2018-2019

[Only months with reported prices in a given crop year are listed]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>2017-2018</b>							
October .....	45.30	29.24	33.70	(S)	27.65	32.09	(S)
November .....	36.50	19.53	24.90	(D)	17.96	23.29	(D)
December .....	30.70	13.79	19.10	(D)	12.22	17.49	(D)
January .....	34.30	13.94	22.70	(D)	12.39	21.09	(D)
February .....	32.30	11.52	20.70	(D)	9.98	19.09	(D)
March .....	32.20	10.40	20.60	(D)	8.87	18.99	(D)
April .....	32.20	10.28	20.60	(D)	8.75	18.99	(D)
May .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
<b>2018-2019</b>							
November .....	37.80	18.40	26.20	(D)	16.84	24.59	(D)
December .....	38.40	15.01	26.80	(D)	13.47	25.19	(D)
January .....	36.90	12.26	25.30	(D)	10.73	23.69	(D)
February .....	36.90	10.57	25.30	(D)	9.05	23.69	(D)
March .....	33.00	8.14	21.40	(D)	6.63	19.79	(D)
April .....	33.70	8.43	22.10	(D)	6.92	20.49	(D)
May .....	33.70	(D)	22.10	(D)	(D)	20.49	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

## Grapefruit Average Prices and Equivalent Returns by Season – United States: 2017-2018 and 2018-2019

[Includes pummelos in California. Includes California, Florida, and Texas]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>2017-2018</b>							
November .....	37.20	22.27	27.02	11.97	19.27	24.32	8.35
December .....	35.10	18.58	25.03	12.14	15.43	22.33	8.53
January .....	35.90	18.30	25.43	12.26	15.10	22.70	8.66
February .....	35.50	18.22	25.17	13.18	14.97	22.46	9.55
March .....	34.30	18.98	25.29	11.66	15.88	22.71	7.96
April .....	32.20	20.75	24.86	(D)	18.07	22.45	(D)
May .....	(D)	19.65	(D)	(D)	16.94	(D)	(D)
June .....	(D)	17.22	(D)	(D)	14.35	(D)	(D)
July .....	(D)	16.18	(D)	(D)	13.34	(D)	(D)
August .....	(D)	12.67	(D)	(D)	9.57	(D)	(D)
September .....	(D)	18.02	(D)	(D)	15.16	(D)	(D)
October .....	37.80	23.48	28.65	6.94	20.61	26.03	3.26
<b>2018-2019</b>							
November .....	36.70	23.77	27.02	13.08	20.89	24.32	9.58
December .....	35.30	21.64	25.67	13.90	18.68	22.99	10.41
January .....	34.40	19.12	24.36	14.45	15.99	21.63	10.96
February .....	33.50	17.81	23.62	14.44	14.61	20.90	10.95
March .....	31.10	14.69	21.49	11.77	11.44	18.81	8.28
April .....	29.00	16.42	20.93	7.76	13.51	18.40	4.11
May .....	(D)	16.73	(D)	(D)	13.94	(D)	(D)
June .....	(D)	14.86	(D)	(D)	11.95	(D)	(D)
July .....	(D)	14.23	(D)	(D)	11.34	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

## Lemon Average Prices and Equivalent Returns by Season – California: 2017-2018 and 2018-2019

[Only months with reported prices in a given crop year are listed]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>2017-2018</b>							
August .....	(S)	(S)	(S)	(D)	(S)	(S)	(D)
September .....	49.40	35.81	39.37	(D)	29.42	32.85	(D)
October .....	47.90	30.90	37.87	(D)	24.65	31.35	(D)
November .....	51.40	34.18	41.37	(D)	27.91	34.85	(D)
December .....	54.70	37.83	44.67	(D)	31.53	38.15	(D)
January .....	55.50	37.10	45.47	(D)	30.85	38.95	(D)
February .....	53.80	29.81	43.77	(D)	23.75	37.25	(D)
March .....	48.40	26.79	38.37	(D)	20.72	31.85	(D)
April .....	46.60	24.22	36.57	(D)	18.20	30.05	(D)
May .....	46.50	27.91	36.47	(D)	21.73	29.95	(D)
June .....	49.10	35.53	39.07	(D)	29.14	32.55	(D)
July .....	60.70	46.75	50.67	(D)	40.34	44.15	(D)
<b>2018-2019</b>							
August .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
September .....	79.30	55.98	69.07	(S)	49.60	62.42	(S)
October .....	60.40	47.24	50.17	(S)	40.68	43.52	(S)
November .....	52.30	37.85	42.07	(D)	31.36	35.42	(D)
December .....	48.40	33.41	38.17	(D)	26.96	31.52	(D)
January .....	44.60	29.27	34.37	(D)	22.87	27.72	(D)
February .....	41.10	22.37	30.87	(D)	16.19	24.22	(D)
March .....	40.10	21.77	29.87	(D)	15.59	23.22	(D)
April .....	40.50	19.45	30.27	(D)	13.38	23.62	(D)
May .....	40.90	22.46	30.67	(D)	16.25	24.02	(D)
June .....	43.40	25.71	33.17	(D)	19.43	26.52	(D)
July .....	46.20	28.43	35.97	(D)	22.12	29.32	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

## Lemon Average Prices and Equivalent Returns by Season – United States: 2017-2018 and 2018-2019

[Includes Arizona and California]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>2017-2018</b>							
August .....	(S)	(S)	(S)	(D)	(S)	(S)	(D)
September .....	49.50	35.97	39.49	(D)	29.58	32.97	(D)
October .....	48.30	31.77	38.28	(D)	25.49	31.76	(D)
November .....	51.50	34.60	41.47	(D)	28.32	34.95	(D)
December .....	54.30	37.12	44.26	(D)	30.84	37.74	(D)
January .....	55.20	36.41	45.13	(D)	30.17	38.61	(D)
February .....	53.70	29.71	43.63	(D)	23.65	37.11	(D)
March .....	48.40	26.79	38.37	(D)	20.72	31.85	(D)
April .....	46.60	24.22	36.57	(D)	18.20	30.05	(D)
May .....	46.50	27.91	36.47	(D)	21.73	29.95	(D)
June .....	49.10	35.53	39.07	(D)	29.14	32.55	(D)
July .....	60.70	46.75	50.67	(D)	40.34	44.15	(D)
<b>2018-2019</b>							
August .....	77.70	51.51	67.47	(D)	45.20	60.82	(D)
September .....	79.20	56.01	68.95	(D)	49.63	62.30	(D)
October .....	61.00	47.85	50.76	(D)	41.29	44.11	(D)
November .....	53.00	38.24	42.75	(D)	31.76	36.10	(D)
December .....	48.70	32.63	38.43	(D)	26.23	31.78	(D)
January .....	44.90	28.96	34.63	(D)	22.58	27.98	(D)
February .....	41.10	21.91	30.90	(D)	15.76	24.25	(D)
March .....	40.10	21.72	29.84	(D)	15.54	23.19	(D)
April .....	40.50	19.45	30.27	(D)	13.38	23.62	(D)
May .....	40.90	22.46	30.67	(D)	16.25	24.02	(D)
June .....	43.40	25.71	33.17	(D)	19.43	26.52	(D)
July .....	46.20	28.43	35.97	(D)	22.12	29.32	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

**Marketing Year Average Prices Received for Oranges – States and United States: 2017-2018 and 2018-2019**

State, type, and utilization	2017-2018			2018-2019		
	FOB packed	Equiv. PHD	Equiv. on-tree	FOB packed	Equiv. PHD	Equiv. on-tree
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>California</b>						
Navel and miscellaneous .....	(NA)	25.36	22.57	(NA)	14.23	11.36
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia .....	(NA)	22.00	19.18	(NA)	9.99	7.12
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
All .....	(NA)	24.73	21.94	(NA)	13.46	10.59
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Florida</b>						
Non-Valencia .....	(NA)	13.70	10.43	(NA)	12.40	9.19
Fresh .....	34.90	23.05	19.60	31.40	20.05	16.65
Processing .....	(NA)	13.00	9.75	(NA)	12.00	8.80
Valencia .....	(NA)	16.95	13.88	(NA)	15.29	12.24
Fresh .....	34.70	22.85	19.55	29.60	18.25	15.00
Processing .....	(NA)	16.60	13.55	(NA)	15.20	12.15
All .....	(NA)	15.58	12.43	(NA)	14.07	10.95
Fresh .....	34.80	22.95	19.57	30.60	19.23	15.90
Processing .....	(NA)	15.10	11.97	(NA)	13.86	10.75
<b>Texas</b>						
Early and midseason .....	(NA)	17.37	15.58	(NA)	8.95	7.23
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia .....	(NA)	25.60	23.77	(NA)	16.60	14.77
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
All .....	(NA)	18.90	17.11	(NA)	9.84	8.11
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>United States</b>						
Early, midseason, and Navel .....	(NA)	20.92	17.98	(NA)	13.26	10.28
Fresh .....	38.90	28.85	26.10	29.40	19.18	16.35
Processing .....	(NA)	10.36	7.19	(NA)	8.83	5.72
Valencia .....	(NA)	18.14	15.13	(NA)	14.44	11.43
Fresh .....	37.90	27.49	24.66	24.80	14.42	11.56
Processing .....	(NA)	15.68	12.64	(NA)	14.45	11.40
All .....	(NA)	19.82	16.86	(NA)	13.76	10.76
Fresh .....	38.70	28.59	25.82	28.50	18.23	15.40
Processing .....	(NA)	13.25	10.15	(NA)	11.74	8.67

(D) Withheld to avoid disclosing data for individual operations.  
(NA) Not available.

**Marketing Year Average Prices Received for Grapefruit – States and United States: 2017-2018 and 2018-2019**

State, type, and utilization	2017-2018			2018-2019		
	FOB packed	Equiv. PHD	Equiv. on-tree	FOB packed	Equiv. PHD	Equiv. on-tree
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>California</b> <sup>1</sup> .....	(NA)	18.34	15.57	(NA)	17.49	14.76
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Florida</b>						
Red .....	(NA)	19.32	16.06	(NA)	18.92	15.71
Fresh .....	37.70	26.55	23.75	36.20	25.55	22.75
Processing .....	(NA)	12.40	8.70	(NA)	13.40	9.85
White <sup>2</sup> .....	(NA)	16.81	13.59	(NA)	18.98	15.86
Fresh .....	39.60	28.45	25.60	42.00	31.35	28.55
Processing .....	(NA)	12.50	9.15	(NA)	14.00	10.75
All .....	(NA)	18.87	15.61	(NA)	18.93	15.74
Fresh .....	37.90	26.76	23.95	36.90	26.22	23.42
Processing .....	(NA)	12.42	8.81	(NA)	13.53	10.04
<b>Texas</b> .....	(NA)	13.56	12.01	(NA)	10.69	9.17
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>United States</b> <sup>1</sup> .....	(NA)	16.71	14.24	(NA)	15.04	12.67
Fresh .....	33.80	23.88	21.67	33.60	23.77	21.50
Processing .....	(NA)	6.56	3.73	(NA)	6.31	3.85

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

<sup>1</sup> Includes pummelos.

<sup>2</sup> Includes seedy grapefruit.

**Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States: 2017-2018 and 2018-2019**

Crop, State, and utilization	2017-2018			2018-2019		
	FOB packed	Equiv. PHD	Equiv. on-tree	FOB packed	Equiv. PHD	Equiv. on-tree
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
<b>Lemons</b>						
Arizona .....	(NA)	34.20	27.94	(NA)	30.89	24.68
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
California .....	(NA)	32.15	25.94	(NA)	28.25	21.96
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
United States .....	(NA)	32.24	26.03	(NA)	28.39	22.11
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Tangerines and mandarins</b>						
California <sup>1</sup> .....	(NA)	28.96	25.58	(NA)	28.29	24.82
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida <sup>2</sup> .....	(NA)	26.60	21.50	(NA)	21.84	16.87
Fresh .....	50.20	35.90	30.55	46.10	32.30	27.10
Processing .....	(NA)	9.49	4.84	(NA)	9.14	4.44
United States <sup>3</sup> .....	(NA)	28.86	25.39	(NA)	28.01	24.48
Fresh .....	47.00	37.53	34.45	46.80	37.14	34.02
Processing .....	(NA)	0.57	-4.14	(NA)	0.28	-4.51

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

<sup>1</sup> Includes tangelos and tangors.

<sup>2</sup> Includes all certified varieties of tangerines and tangelos.

<sup>3</sup> Includes tangelos and tangors in California. Includes all certified varieties of tangerines and tangelos in Florida.

## Terms and Definitions

**Citrus crop year:** Begins with the bloom of the first year listed and ends with the year harvest is completed.

**Equivalent on-tree (EOT) price:** Represents the PHD price minus picking and hauling costs.

**Freight on board (FOB) price:** A commercial price term that signifies a contractual agreement between a buyer and a seller to have the subject of a sale delivered to a designated place, usually either the "place of shipment" or the "place of destination," without expense to the buyer. This term indicates delivery will be made on board or into a carrier by the shipper without charge. The abbreviation FOB is usually followed by a shipping point or destination. Reports from fresh fruit sales organizations and from citrus packers provide data for an average FOB price.

**Packinghouse door (PHD) price:** The packinghouse door is generally referred to as the point of first sale. PHD prices are calculated by subtracting costs incurred through the packinghouse from the FOB price. These costs may include sorting, grading, packing, cooling, etc.

## Marketing Year Average Prices and Value of Production

State level marketing year average (MYA), or price per box, for fresh and processed sales are the weighted average of monthly sales that occur during a crop's marketing season, adjusted to the packinghouse-door level. The "all" sales MYA price is derived by dividing the "all" sales value by the "all" sales boxes. MYA prices at the United States level for commodities with different State box weights are computed as follows:

$$\text{Fresh Market MYAP} = \frac{\sum(\text{State Fresh Value} * \text{State Box Weight})}{\sum(\text{State Fresh Boxes} * \text{State Box Weight})}$$

$$\text{Process Market MYAP} = \frac{\sum(\text{State Process Value} * \text{State Box Weight})}{\sum(\text{State Process Boxes} * \text{State Box Weight})}$$

$$\text{"All" Sales MYAP} = \frac{\sum(\text{State All Value} * \text{State Box Weight})}{\sum(\text{State All Boxes} * \text{State Box Weight})}$$

For commodities with the same box weights across all States, the United States MYA prices are derived by dividing the sum of States' values by the sum of States' boxes.

United States value of production for a given commodity is the sum of the States' values for that commodity. The State level value of production for each commodity is computed as follows:

$$\text{Fresh Market Value} = \text{Fresh Market MYAP} * \text{Fresh Market Boxes}$$

$$\text{Process Market Value} = \text{Process Market MYAP} * \text{Process Market Boxes}$$

$$\text{"All" Sales Value} = \text{Fresh Market Value} + \text{Process Market Value}$$

Citrus prices are based on weighted average FOB packed prices received for fresh fruit and weighted average prices received at the processing plant door for processing fruit. Equivalent returns for fresh and processed fruit are calculated at the packinghouse-door level by deducting sorting, grading, packing, cooling, marketing, and other costs from the two base prices. In some cases, this results in negative returns.

## Box Weights by Crop - States: 2016-2017, 2017-2018, and 2018-2019

State	Crop year		
	2016-2017	2017-2018	2018-2019
	(pounds)	(pounds)	(pounds)
<b>Oranges</b>			
California .....	80	80	80
Florida .....	90	90	90
Texas .....	85	85	85
<b>Grapefruit</b>			
California <sup>1</sup> .....	80	80	80
Florida .....	85	85	85
Texas .....	80	80	80
<b>Lemons</b>			
Arizona .....	80	80	80
California .....	80	80	80
<b>Tangerines</b>			
California <sup>2</sup> .....	80	80	80
Florida .....	95	95	95

<sup>1</sup> Includes pummelos.

<sup>2</sup> Includes tangelos and tangors.



## Marketing Seasons

### Oranges, Early, midseason, and Navel:

California.....	October 1 to June 15
Florida .....	October 1 to March 31
Texas .....	October 1 to April 30

### Oranges, Valencia:

California.....	March 15 to October 31
Florida .....	January 1 to July 31
Texas .....	January 15 to May 31

### Grapefruit:

California (including pummelos) .....	November 1 to October 31
Florida .....	September 15 to June 30
Texas .....	October 1 to May 31

### Lemons:

Arizona.....	September 1 to February 28
California.....	August 1 to July 31

### Tangerines:

California (including tangelos and tangors) .....	October 1 to May 15
Florida .....	September 15 to April 30

## Statistical Methodology

**Survey Procedures:** Grower and objective measurement surveys are used to collect acreage, production, yield, price, and value data. Grower surveys are conducted by mail, telephone, and personal interview. Objective measurement data is collected in citrus groves.

**Estimating Procedures:** Information obtained from the citrus grower and objective measurement surveys along with administrative data is used to establish estimates of bearing acres, production, yield, price, and value. These estimates are reviewed for errors, reasonableness, and consistency with historical estimates.

**Revision Policy:** Current season estimates are open for revision in April and August.

**Reliability:** The citrus grower surveys are subject to non-sampling errors such as omission, duplication, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

## Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@usda.gov](mailto:nass@usda.gov)

Lance Honig, Chief, Crops Branch .....	(202) 720-2127
Fleming Gibson, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Joshua Bates– Almonds, Apples, Apricots, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn, Tobacco .....	(202) 720-4288
Vincent Davis – Dry Beans, Garlic, Hazelnuts, Honeydews, Kiwifruit, Lettuce, Maple Syrup, Mint, Pears, Sweet Cherries, Tart Cherries, Tomatoes .....	(202) 720-2157
Fleming Gibson – Cauliflower, Celery, Grapefruit, Lemons, Macadamia, Mandarins and tangerines, Mushrooms, Olives, Oranges .....	(202) 720-5412
Greg Lemmons –Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes, Tame Blueberries, Wild Blueberries.....	(202) 720-4285
Dan Norris – Artichokes, Cantaloupes, Dry Edible Peas, Green Peas, Lentils, Nectarines, Papayas, Peaches, Snap Beans, Spinach, Walnuts, Watermelons .....	(202) 720-3250
Fleming Gibson – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans .....	(202) 720-2127

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov)
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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# USDA Data Users' Meeting



## **USDA NASS Data Users' Meeting** **Tuesday, October 15, 2019**

American Farm Bureau Federation  
600 Maryland Ave SW #1000w  
Washington, DC 20024

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details and additional information about the Data Users' Meeting, see the meeting page on the NASS website ([https://www.nass.usda.gov/Education\\_and\\_Outreach/Meeting/index.php](https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php)). Contact Vernita Murray (NASS) at 202-690-8141 or [vernita.murray@nass.usda.gov](mailto:vernita.murray@nass.usda.gov) or Patricia Snipe (NASS) at 202-720-2248 or [patricia.snipe@nass.usda.gov](mailto:patricia.snipe@nass.usda.gov) for information.