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Citrus Fruits 2021 Summary

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USDA



Contents

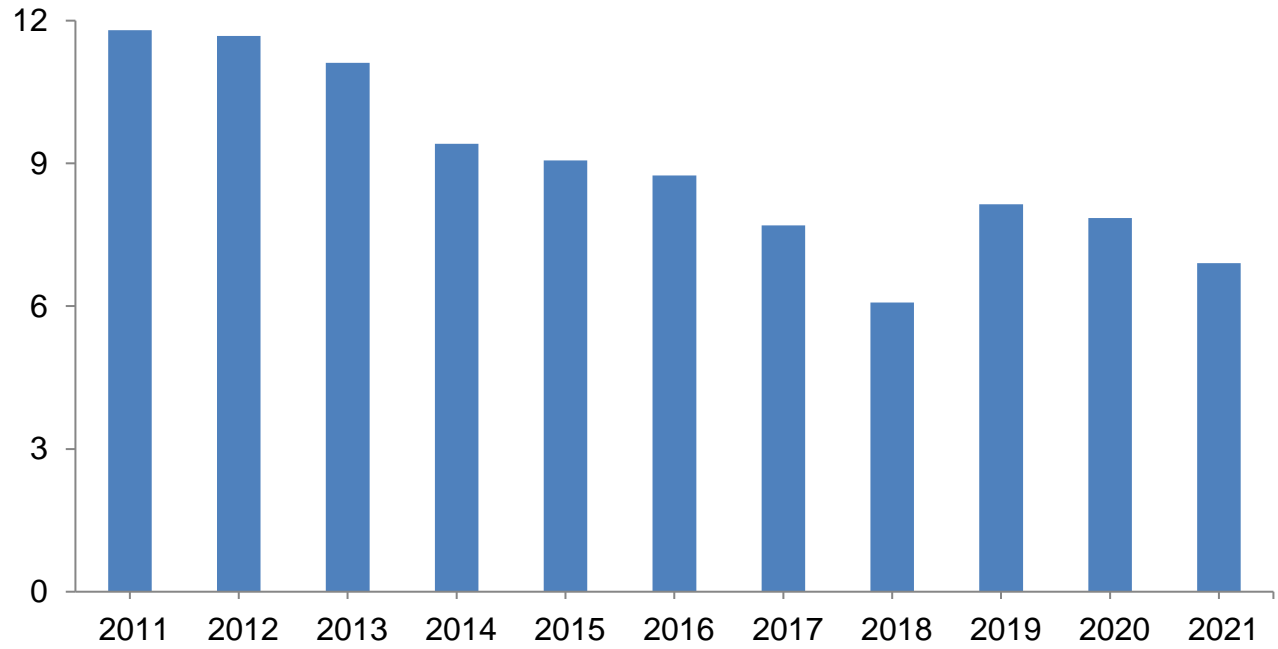
Utilized Citrus Production – United States Chart	6
Citrus Value of Production – United States Chart	6
Citrus Narrative.....	7
Citrus Acreage, Production, Utilization, and Value – States and United States: 2018-2019, 2019-2020, and 2020-2021	8
Citrus Acreage, Production, Utilization, and Value by Crop – United States: 2018-2019, 2019-2020, and 2020-2021	9
Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2018-2019, 2019-2020, and 2020-2021	10
Bearing Acres of Oranges – United States Chart.....	12
Utilized Orange Production – United States Chart	12
Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2018-2019, 2019-2020, and 2020-2021	13
Lemon, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2018-2019, 2019-2020, and 2020-2021	14
Citrus Prices Narrative.....	15
Orange Average Prices and Equivalent Returns by Type and Season – California: 2019-2020	16
Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2019-2020	16
Orange Average Prices and Equivalent Returns by Type and Season – Texas: 2019-2020	17
Orange Average Prices and Equivalent Returns by Season – United States: 2019-2020 and 2020-2021	17
Grapefruit Average Prices and Equivalent Returns by Season – California: 2019-2020	18
Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2019-2020	18
Grapefruit Average Prices and Equivalent Returns by Season – Texas: 2019-2020	19
Grapefruit Average Prices and Equivalent Returns by Season – United States: 2019-2020 and 2020-2021	19
Lemon Average Prices and Equivalent Returns by Season – California: 2019-2020.....	20
Lemon Average Prices and Equivalent Returns by Season – United States: 2019-2020 and 2020-2021.....	20
Marketing Year Average Prices Received for Oranges – States and United States: 2019-2020 and 2020-2021	21
Marketing Year Average Prices Received for Grapefruit – States and United States: 2019-2020 and 2020-2021	22
Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States:	

2019-2020 and 2020-2021	23
Terms and Definitions	27
Marketing Year Average Prices and Value of Production	27
Box Weights by Crop - States: 2018-2019, 2019-2020, and 2020-2021	25
Marketing Seasons	29
Statistical Methodology.....	29
Information Contacts.....	30

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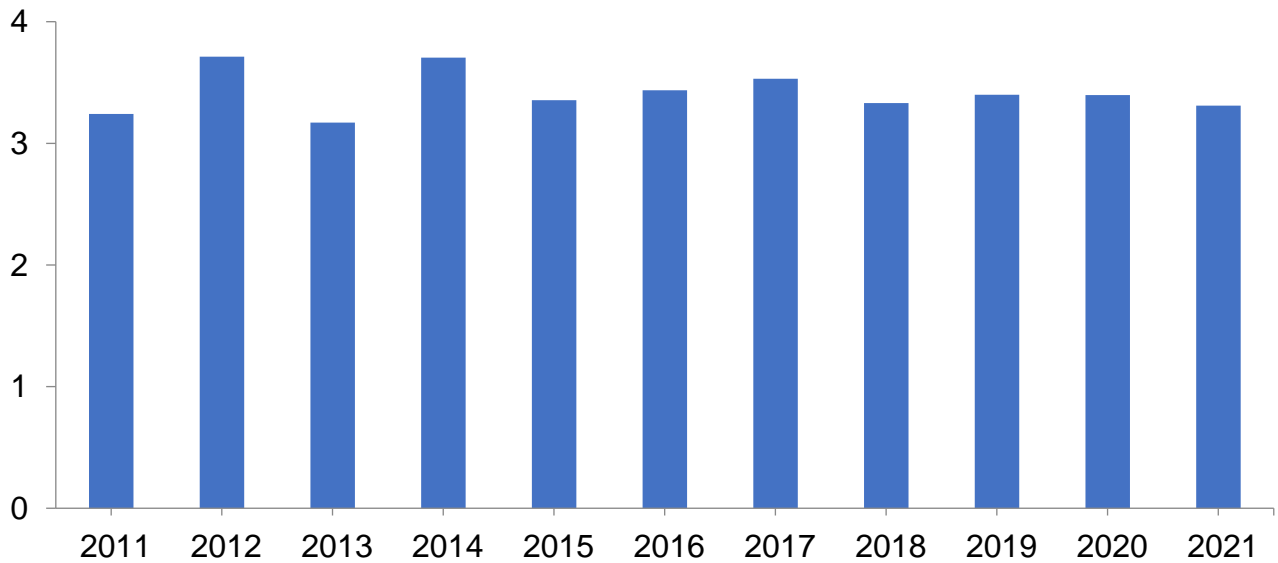
Utilized Citrus Production – United States

Million tons



Citrus Value of Production – United States

Billion dollars
(PHD equivalents)



Citrus Utilized Production Down 12 Percent, Value Down 3 Percent

Citrus utilized production for the 2020-21 season totaled 6.90 million tons, down 12 percent from the 2019-20 season. California accounted for 60 percent of total United States citrus production; Florida totaled 38 percent, and Texas and Arizona produced the remaining 2 percent.

Utilized citrus production in California was down 3 percent from the 2019-20 season. California's all orange production, at 50.1 million boxes, is 7 percent lower than the previous season. Grapefruit production is down 17 percent from the 2019-20 season and tangerine and mandarin production is up 25 percent.

Florida's orange production, at 52.8 million boxes, is down 22 percent from the previous season. Grapefruit utilization in Florida, at 4.10 million boxes, is down 15 percent from last season's utilization. Florida's total citrus utilization was down 21 percent from the previous season. Bearing citrus acreage, at 369,300 acres, is 11,200 acres below the 2019-20 season.

Utilized production of citrus in Texas is down 39 percent from the 2019-20 season. Orange production is down 22 percent from the previous season and grapefruit production is down 45 percent. Arizona's production of lemon is down 56 percent.

The value of the 2020-21 United States citrus crop was down 3 percent from last season, to 3.31 billion (packinghouse-door equivalent). Orange value of production decreased 7 percent from last season and grapefruit value is up 11 percent. Tangerine and mandarin value of production is up 2 percent from last season and lemon value of production is down slightly from last season.

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 2020-21 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 2020-21 season will be published in the April 2022 Crop Production.

Citrus Acreage, Production, Utilization, and Value – States and United States: 2018-2019, 2019-2020, and 2020-2021

State and season	Bearing acreage	Production ¹			Value of production ²
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
Arizona					
2018-2019	7,300	54	37	17	42,680
2019-2020	7,300	72	52	20	50,002
2020-2021	7,300	32	26	6	22,616
California					
2018-2019	269,000	4,264	3,072	1,192	2,123,811
2019-2020	269,700	4,260	3,248	1,012	2,351,945
2020-2021	267,700	4,136	3,080	1,056	2,456,425
Florida					
2018-2019	387,100	3,472	230	3,242	1,143,538
2019-2020	380,500	3,287	267	3,020	929,634
2020-2021	369,300	2,593	257	2,336	763,921
Texas					
2018-2019	24,500	350	141	209	89,850
2019-2020	23,800	233	124	109	64,886
2020-2021	23,800	141	92	49	67,471
United States					
2018-2019	687,900	8,140	3,480	4,660	3,399,879
2019-2020	681,300	7,852	3,691	4,161	3,396,467
2020-2021	668,100	6,902	3,455	3,447	3,310,433

¹ Some totals may not add due to rounding.

² Packinghouse-door equivalents.

Citrus Acreage, Production, Utilization, and Value by Crop – United States: 2018-2019, 2019-2020, and 2020-2021

Crop and season	Bearing acreage	Production ¹			Value of production ²
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
Oranges					
Early, midseason, and Navel					
2018-2019	274,100	3,142	1,357	1,785	1,006,898
2019-2020	269,000	3,115	1,474	1,641	999,404
2020-2021	260,700	2,689	1,322	1,366	1,030,385
Valencia					
2018-2019	235,500	2,285	347	1,939	758,449
2019-2020	234,700	2,139	418	1,721	712,215
2020-2021	232,000	1,737	361	1,377	562,374
All oranges					
2018-2019	509,600	5,427	1,704	3,724	1,765,347
2019-2020	503,700	5,254	1,892	3,362	1,711,619
2020-2021	492,700	4,426	1,683	2,743	1,592,759
Grapefruit ³					
2018-2019	49,700	604	281	322	202,712
2019-2020	46,400	570	321	249	198,809
2020-2021	43,400	426	274	152	220,022
Lemons					
2018-2019	56,300	1,002	737	265	730,843
2019-2020	57,300	1,084	752	332	664,935
2020-2021	57,300	884	710	174	660,866
Tangerines and mandarins ⁴					
2018-2019	72,300	1,107	758	349	700,977
2019-2020	73,900	944	726	218	821,104
2020-2021	74,700	1,166	788	378	836,786

¹ Some totals may not add due to rounding.

² Packinghouse-door equivalents.

³ Includes pummelos in California.

⁴ Includes tangelos.

Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2018-2019, 2019-2020, and 2020-2021

[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 ¹			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)
California											
Navel and miscellaneous											
2018-2019	118,000	356	42,000	31,400	10,600	14.19	(D)	(D)	596,030	(D)	(D)
2019-2020	117,000	370	43,300	34,300	9,000	15.23	(D)	(D)	659,480	(D)	(D)
2020-2021	116,000	350	40,600	30,500	10,100	18.49	(D)	(D)	750,696	(D)	(D)
Valencia											
2018-2019	29,000	352	10,200	7,000	3,200	10.14	(D)	(D)	103,428	(D)	(D)
2019-2020	28,000	385	10,800	8,300	2,500	18.39	(D)	(D)	198,613	(D)	(D)
2020-2021	26,000	365	9,500	7,100	2,400	15.79	(D)	(D)	150,585	(D)	(D)
All											
2018-2019	147,000	355	52,200	38,400	13,800	13.40	(D)	(D)	699,458	(D)	(D)
2019-2020	145,000	373	54,100	42,600	11,500	15.86	(D)	(D)	858,093	(D)	(D)
2020-2021	142,000	353	50,100	37,600	12,500	17.99	(D)	(D)	901,281	(D)	(D)
Florida											
Non-Valencia											
2018-2019	149,800	203	30,400	1,504	28,896	12.86	18.51	12.57	391,062	27,839	363,223
2019-2020	146,000	203	29,650	1,510	28,140	11.05	13.65	10.91	327,619	20,612	307,007
2020-2021	138,700	164	22,700	1,538	21,162	11.38	19.31	10.81	258,460	29,699	228,761
Valencia											
2018-2019	204,300	203	41,450	1,233	40,254	15.67	16.73	15.64	650,201	20,628	629,573
2019-2020	204,900	184	37,750	1,723	36,027	13.50	14.05	13.47	509,492	24,208	485,284
2020-2021	204,200	147	30,100	1,684	28,446	13.65	19.43	13.31	411,336	32,720	378,616
All											
2018-2019	354,100	203	71,850	2,737	69,150	14.48	17.71	14.36	1,041,263	48,467	992,796
2019-2020	350,900	192	67,400	3,233	64,167	12.42	13.86	12.35	837,111	44,820	792,291
2020-2021	342,900	154	52,800	3,222	49,608	12.68	19.37	12.24	669,796	62,419	607,377

See footnote(s) at end of table.

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Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2018-2019, 2019-2020, and 2020-2021 (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 ¹			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)
Texas											
Early and midseason											
2018-2019	6,300	351	2,210	780	1,430	8.96	(D)	(D)	19,806	(D)	(D)
2019-2020	6,000	192	1,150	800	350	10.70	(D)	(D)	12,305	(D)	(D)
2020-2021	6,000	167	1,000	776	224	21.23	(D)	(D)	21,229	(D)	(D)
Valencia											
2018-2019	2,200	132	290	290	-	16.62	(D)	(D)	4,820	(D)	(D)
2019-2020	1,800	106	190	190	-	21.63	(D)	(D)	4,110	(D)	(D)
2020-2021	1,800	28	50	17	33	9.06	(D)	(D)	453	(D)	(D)
All											
2018-2019	8,500	294	2,500	1,070	1,430	9.85	(D)	(D)	24,626	(D)	(D)
2019-2020	7,800	172	1,340	990	350	12.25	(D)	(D)	16,415	(D)	(D)
2020-2021	7,800	135	1,050	793	257	20.65	(D)	(D)	21,682	(D)	(D)
United States											
Early, midseason, and Navel											
2018-2019	274,100	272	74,610	33,684	40,926	11.19	18.06	5.94	1,006,898	643,982	362,916
2019-2020	269,000	275	74,100	36,610	37,490	13.49	19.05	8.05	999,404	697,504	301,900
2020-2021	260,700	247	64,300	32,814	31,486	13.69	23.88	9.66	1,030,385	799,475	230,910
Valencia											
2018-2019	235,500	221	51,940	8,523	43,454	15.30	17.80	14.93	758,449	124,428	634,021
2019-2020	234,700	208	48,740	10,213	38,527	14.61	21.76	12.72	712,215	222,206	490,009
2020-2021	232,000	171	39,650	8,801	30,879	14.17	20.34	12.42	562,374	178,999	383,375
All											
2018-2019	509,600	248	126,550	42,207	84,380	14.43	19.06	12.35	1,765,347	768,410	996,937
2019-2020	503,700	244	122,840	46,823	76,017	13.93	19.64	10.42	1,711,619	919,710	791,909
2020-2021	492,700	211	103,950	41,615	62,365	15.31	23.51	9.85	1,592,759	978,474	614,285

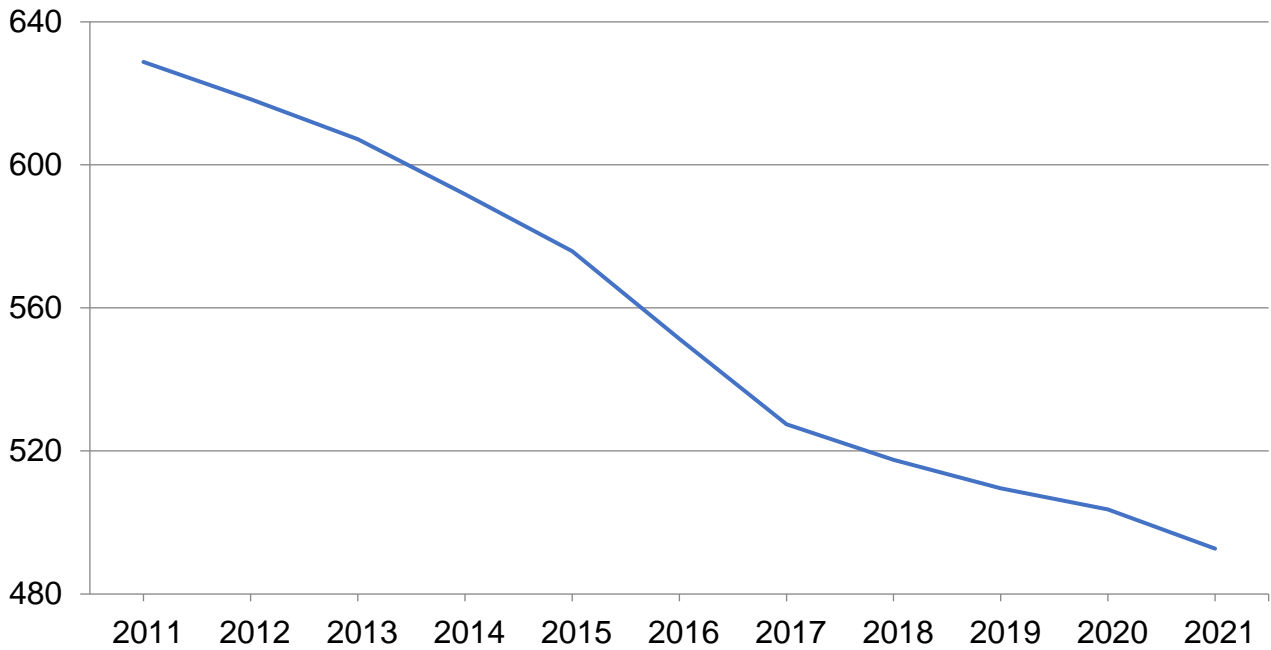
- Represents zero.

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

¹ Equivalent packinghouse-door returns.

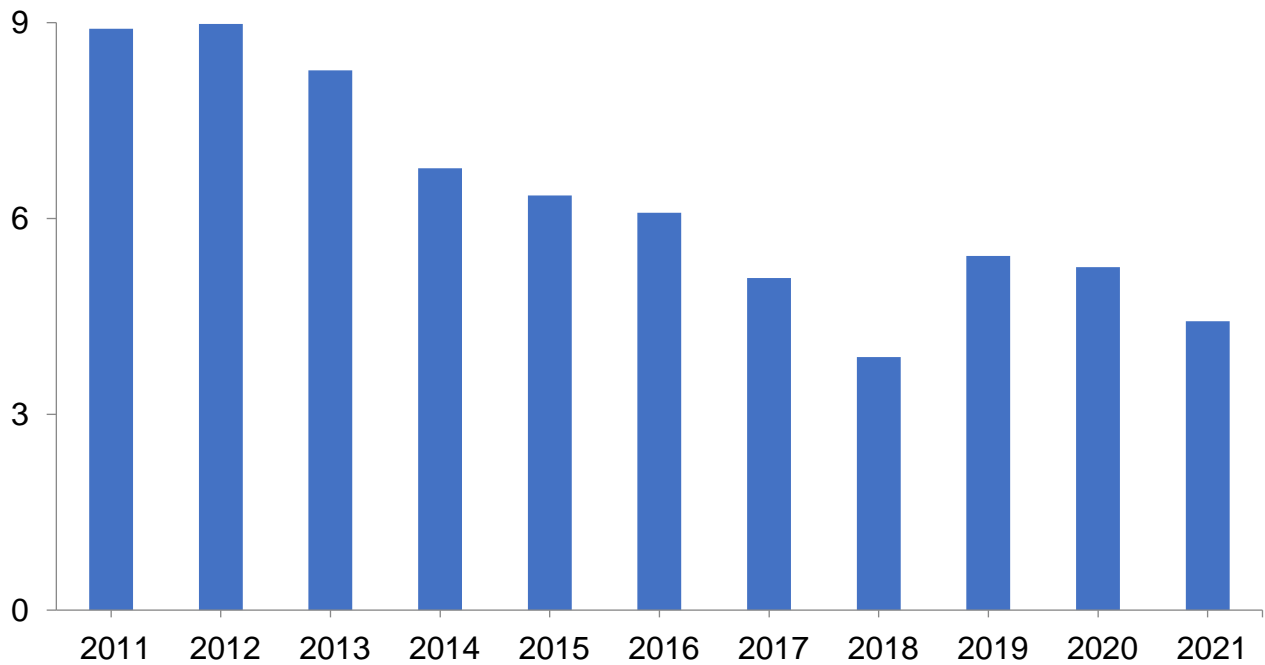
Bearing Acres of Oranges – United States

Thousand acres



Utilized Orange Production – United States

Million tons



Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2018-2019, 2019-2020, and 2020-2021

[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 ¹			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)
California ²											
2018-2019	9,000	467	4,200	2,600	1,600	13.46	(D)	(D)	56,552	(D)	(D)
2019-2020	8,700	540	4,700	3,700	1,000	17.85	(D)	(D)	83,885	(D)	(D)
2020-2021	8,700	448	3,900	3,300	600	27.31	(D)	(D)	101,805	(D)	(D)
Florida											
White ³											
2018-2019	4,300	179	770	221	549	17.61	29.65	12.76	13,558	6,553	7,005
2019-2020	3,700	214	790	195	595	11.05	13.35	10.30	8,732	2,603	6,129
2020-2021 ⁴	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Red											
2018-2019	20,400	183	3,740	1,700	2,040	18.02	23.83	13.17	67,378	40,511	26,867
2019-2020	18,000	226	4,060	1,942	2,118	13.92	18.45	9.76	56,502	35,830	20,672
2020-2021 ⁴	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All											
2018-2019	24,700	183	4,510	1,921	2,589	17.95	24.50	13.08	80,936	47,064	33,872
2019-2020	21,700	224	4,850	2,137	2,713	13.70	18.49	9.93	66,453	39,513	26,940
2020-2021	18,700	219	4,100	1,987	2,113	17.67	25.87	9.95	72,428	51,404	21,024
Texas											
2018-2019	16,000	381	6,100	2,400	3,700	10.69	(D)	(D)	65,224	(D)	(D)
2019-2020	16,000	275	4,400	2,050	2,350	11.01	(D)	(D)	48,471	(D)	(D)
2020-2021	16,000	150	2,400	1,450	950	19.08	(D)	(D)	45,789	(D)	(D)
United States ²											
2018-2019	49,700	298	14,810	6,921	7,889	13.69	23.02	5.50	202,712	159,304	43,408
2019-2020	46,400	301	13,950	7,887	6,063	14.25	21.16	5.26	198,809	166,919	31,890
2020-2021	43,400	240	10,400	6,737	3,663	21.16	29.24	6.28	220,022	197,016	23,006

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

(NA) Not available.

¹ Equivalent packinghouse-door returns.

² Includes pummelos in California.

³ Includes seedy grapefruit.

⁴ Beginning in 2020-2021 estimates discontinued.

Lemon, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2018-2019, 2019-2020, and 2020-2021

[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 ¹			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)
Lemons											
Arizona											
2018-2019	7,300	185	1,350	930	420	31.61	(D)	(D)	42,680	(D)	(D)
2019-2020	7,300	247	1,800	1,300	500	27.77	(D)	(D)	50,002	(D)	(D)
2020-2021	7,300	110	800	638	162	28.27	(D)	(D)	22,616	(D)	(D)
California											
2018-2019	49,000	484	23,700	17,500	6,200	29.04	(D)	(D)	688,163	(D)	(D)
2019-2020	50,000	506	25,300	17,500	7,800	24.31	(D)	(D)	614,933	(D)	(D)
2020-2021	50,000	426	21,300	17,100	4,200	29.97	(D)	(D)	638,250	(D)	(D)
United States											
2018-2019	56,300	445	25,050	18,430	6,620	29.92	(D)	(D)	730,843	(D)	(D)
2019-2020	57,300	473	27,100	18,800	8,300	24.54	(D)	(D)	664,935	(D)	(D)
2020-2021	57,300	386	22,100	17,738	4,362	29.90	(D)	(D)	660,866	(D)	(D)
Tangerines and mandarins ²											
California											
2018-2019	64,000	414	26,500	18,300	8,200	25.65	(D)	(D)	679,638	(D)	(D)
2019-2020	66,000	339	22,400	17,400	5,000	35.49	(D)	(D)	795,034	(D)	(D)
2020-2021	67,000	419	28,100	19,000	9,100	29.01	(D)	(D)	815,089	(D)	(D)
Florida											
2018-2019	8,300	119	990	543	447	21.55	31.70	9.23	21,339	17,213	4,126
2019-2020	7,900	129	1,020	638	382	25.56	37.00	6.45	26,070	23,606	2,464
2020-2021	7,700	116	890	599	291	24.38	33.55	5.50	21,697	20,096	1,601
United States											
2018-2019	72,300	380	27,490	18,843	8,647	25.50	37.14	0.14	700,977	699,803	1,174
2019-2020	73,900	317	23,420	18,038	5,382	35.06	45.59	-0.25	821,104	822,440	-1,336
2020-2021	74,700	388	28,990	19,599	9,391	28.86	42.71	-0.03	836,786	837,096	-310

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

¹ Equivalent packinghouse-door returns.

² Includes tangelos.

Citrus Prices

Revised State and United States monthly average prices and equivalent returns, and marketing year average prices for the 2019-20 and 2020-21 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 2020-21 as shown on all citrus tables in this publication refers to the crop which bloomed in 2020 and was marketed during the 2020-21 season. For example, the 2020-21 marketing year average price received by Florida growers for grapefruit refers to marketings from September 2020 through June 2021. 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 28 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: 2019-2020

[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)
Oranges, all 2019-2020 ¹							
September	25.80	10.20	15.68	(D)	7.30	12.86	(D)
October	28.70	14.82	19.10	(D)	11.92	16.25	(D)
November	31.90	19.59	22.28	(D)	16.68	19.40	(D)
December	31.00	17.37	20.68	(D)	14.46	17.80	(D)
Navel and miscellaneous 2019-2020 ¹							
October	(D)	(D)	(D)	(D)	(D)	(D)	(D)
November	31.90	18.00	21.58	(D)	15.09	18.70	(D)
December	31.00	17.21	20.68	(D)	14.30	17.80	(D)

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

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2019-2020

[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)
Oranges, all 2019-2020 ¹							
September	(D)	(S)	(S)	(S)	(S)	(S)	(S)
October	28.40	15.61	17.05	(S)	12.26	13.65	(S)
November	28.00	14.31	16.65	(S)	10.99	13.25	(S)
December	25.30	11.70	13.95	11.60	8.50	10.55	8.40
Non-Valencia 2019-2020 ¹							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	28.40	14.35	15.85	(S)	10.98	12.40	(S)
November	28.00	12.98	15.45	(S)	9.68	12.00	(S)
December	25.30	11.08	12.75	11.00	7.96	9.30	7.90

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

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

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Orange Average Prices and Equivalent Returns by Type and Season – Texas: 2019-2020

[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)
Oranges, all 2019-2020 ¹							
November	27.20	14.03	15.60	(D)	12.22	13.77	(D)
December	24.90	9.93	13.30	(D)	8.15	11.47	(D)
Early and midseason 2019-2020 ¹							
November	27.20	14.03	15.60	(D)	12.22	13.77	(D)
December	24.90	9.93	13.30	(D)	8.15	11.47	(D)

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

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Orange Average Prices and Equivalent Returns by Season – United States: 2019-2020 and 2020-2021

[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)
2019-2020							
September	25.80	9.81	15.68	(D)	6.91	12.86	(D)
October	28.70	14.87	18.97	(D)	11.95	16.08	(D)
November	31.00	17.57	21.11	(D)	14.67	18.24	(D)
December	30.10	13.28	19.68	10.69	10.18	16.78	7.51
January	27.90	12.47	17.51	10.59	9.38	14.63	7.41
February	27.20	12.76	16.82	9.55	9.74	13.95	6.41
March	26.70	13.03	16.32	11.54	10.03	13.44	8.49
April	28.70	14.04	18.22	12.33	11.03	15.32	9.28
May	32.70	15.90	22.05	12.36	12.90	19.14	9.31
June	36.30	19.58	25.33	(D)	16.64	22.44	(D)
July	32.90	18.53	22.35	(D)	15.56	19.41	(D)
August							
2020-2021							
September	38.00	18.63	27.41	(D)	15.62	24.46	(D)
October	42.90	26.90	32.06	(D)	23.96	29.16	(D)
November	37.90	21.98	27.14	3.02	19.03	24.22	-0.04
December	35.10	14.30	24.40	9.50	11.30	21.50	6.46
January	33.60	13.96	22.87	9.76	10.95	19.95	6.70
February	34.10	15.88	23.41	8.01	12.88	20.47	4.94
March	33.20	14.65	22.52	10.86	11.58	19.55	7.76
April	32.50	14.42	21.85	11.37	11.36	18.88	8.26
May	33.50	15.88	22.78	11.17	12.83	19.81	8.07
June	33.10	14.08	22.39	(D)	11.05	19.43	(D)
July	31.90	16.81	21.32	(D)	13.79	18.36	(D)

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

Grapefruit Average Prices and Equivalent Returns by Season – California: 2019-2020

[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)
2019-2020 ¹							
November	(D)	16.32	(D)	(S)	13.46	(D)	(S)
December	(D)	19.08	(D)	(D)	16.33	(D)	(D)

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

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

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2019-2020

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

Type, 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)
Grapefruit, all 2019-2020 ¹							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	33.60	20.37	22.91	(S)	17.46	20.11	(S)
November	31.50	17.12	20.81	7.65	14.12	18.01	4.13
December	29.50	14.70	18.89	8.75	11.62	16.09	5.27
Grapefruit, white ² 2019-2020 ¹							
October	28.00	14.09	15.65	(S)	11.09	12.70	(S)
November	27.00	12.96	14.65	9.00	9.92	11.70	5.70
December	24.60	10.62	12.25	9.60	7.45	9.30	6.30
Grapefruit, red 2019-2020 ¹							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	34.10	19.42	21.75	(S)	16.24	18.65	(S)
November	31.90	16.20	19.55	7.50	12.94	16.45	3.85
December	30.10	14.27	17.75	8.50	10.96	14.65	4.85

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

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

² Includes seedy grapefruit.

Grapefruit Average Prices and Equivalent Returns by Season – Texas: 2019-2020

[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)
2019-2020 ¹							
November	34.40	17.46	22.80	(D)	15.88	21.19	(D)
December	34.50	14.13	22.90	(D)	12.58	21.29	(D)

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

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Grapefruit Average Prices and Equivalent Returns by Season – United States: 2019-2020 and 2020-2021

[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)
2019-2020							
September	(D)	13.08	(D)	(D)	10.00	(D)	(D)
October	31.60	13.86	21.52	(D)	10.70	18.85	(D)
November	31.90	16.95	21.21	4.84	14.52	18.95	1.92
December	31.90	14.49	20.53	5.47	12.13	18.33	2.90
January	30.10	11.78	19.58	5.33	9.39	17.30	2.84
February	30.00	11.19	18.54	7.01	8.53	16.31	4.12
March	31.40	11.79	20.23	6.38	9.18	17.99	3.54
April	(D)	13.74	(D)	(D)	10.98	(D)	(D)
May	(D)	14.99	(D)	(D)	12.23	(D)	(D)
June	(D)	16.39	(D)	(D)	13.46	(D)	(D)
July	(D)	19.13	(D)	(D)	16.33	(D)	(D)
August	(D)	19.49	(D)	(D)	16.56	(D)	(D)
2020-2021							
September	32.90	17.55	(D)	(D)	14.55	(D)	(D)
October	38.50	26.56	28.62	7.02	24.09	26.20	4.03
November	41.90	23.72	30.44	6.27	21.30	28.14	3.56
December	39.70	18.30	28.29	5.73	15.95	26.06	3.23
January	35.50	20.57	25.18	10.30	17.88	22.86	6.80
February	38.50	13.55	27.13	6.20	11.06	24.84	3.60
March	37.10	16.82	25.78	9.85	13.64	23.02	6.34
April	(D)	26.57	(D)	(D)	23.74	(D)	(D)
May	(D)	29.60	(D)	(D)	26.86	(D)	(D)
June	(D)	27.65	(D)	(D)	24.85	(D)	(D)
July	(D)	25.87	(D)	(D)	22.98	(D)	(D)

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

Lemon Average Prices and Equivalent Returns by Season – California: 2019-2020

Season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
2019-2020 ¹		(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
August	49.30	35.05	38.87	(D)	28.42	32.09	(D)
September	50.60	34.79	40.17	(D)	28.22	33.39	(D)
October	51.10	36.01	40.67	(D)	29.41	33.89	(D)
November	48.90	32.55	38.47	(D)	26.01	31.69	(D)
December	45.80	29.26	35.37	(D)	22.75	28.59	(D)

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

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Lemon Average Prices and Equivalent Returns by Season – United States: 2019-2020 and 2020-2021

[Includes Arizona and California]

Season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
2019-2020		(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
August	49.30	35.05	38.87	(D)	28.42	32.09	(D)
September	50.90	35.24	40.46	(D)	28.66	33.68	(D)
October	51.70	36.95	41.24	(D)	30.34	34.46	(D)
November	49.20	32.96	38.79	(D)	26.42	32.01	(D)
December	45.80	28.97	35.38	(D)	22.48	28.60	(D)
January	42.90	22.45	32.46	(D)	16.17	25.68	(D)
February	40.30	20.66	29.83	(D)	14.35	23.05	(D)
March	38.20	16.75	27.76	(D)	10.59	20.98	(D)
April	38.50	16.88	28.07	(D)	10.72	21.29	(D)
May	40.80	20.97	30.37	(D)	14.66	23.59	(D)
June	44.70	26.16	34.27	(D)	19.74	27.49	(D)
July	47.50	26.91	37.07	(D)	20.54	30.29	(D)
2020-2021							
August	47.00	28.07	36.36	(D)	21.50	29.44	(D)
September	45.90	28.47	35.28	(D)	21.85	28.36	(D)
October	46.80	31.11	36.17	(D)	24.41	29.25	(D)
November	47.60	32.24	37.01	(D)	25.52	30.09	(D)
December	46.90	29.88	36.22	(D)	23.23	29.30	(D)
January	45.30	28.64	34.68	(D)	21.99	27.76	(D)
February	45.10	25.47	34.47	(D)	18.96	27.55	(D)
March	44.90	27.05	34.26	(D)	20.46	27.34	(D)
April	44.20	26.70	33.56	(D)	20.10	26.64	(D)
May	46.40	32.60	35.76	(D)	25.82	28.84	(D)
June	53.60	36.51	42.96	(D)	29.83	36.04	(D)
July	55.30	37.96	44.66	(D)	31.28	37.74	(D)

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

Marketing Year Average Prices Received for Oranges – States and United States: 2019-2020 and 2020-2021

State, type, and utilization	2019-2020			2020-2021		
	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)
California						
Navel and miscellaneous	(NA)	15.23	12.31	(NA)	18.49	15.50
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia	(NA)	18.39	15.47	(NA)	15.79	12.80
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
All	(NA)	15.86	12.94	(NA)	15.59	15.00
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida						
Non-Valencia	(NA)	11.05	7.93	(NA)	11.38	8.26
Fresh	26.20	13.65	10.19	31.90	19.31	15.86
Processing	(NA)	10.91	7.81	(NA)	10.81	7.71
Valencia	(NA)	13.50	10.33	(NA)	13.65	10.48
Fresh	26.60	14.05	10.45	32.00	19.43	15.83
Processing	(NA)	13.47	10.32	(NA)	13.31	10.16
All	(NA)	12.42	9.27	(NA)	12.68	9.53
Fresh	26.40	13.86	10.33	32.00	19.37	15.84
Processing	(NA)	12.35	9.22	(NA)	12.24	9.11
Texas						
Early and midseason	(NA)	10.70	8.92	(NA)	21.23	19.44
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia	(NA)	21.63	19.79	(NA)	9.06	7.34
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
All	(NA)	12.25	10.46	(NA)	20.65	18.86
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
United States						
Early, midseason, and Navel	(NA)	13.49	10.50	(NA)	13.69	10.64
Fresh	29.10	19.05	16.17	35.00	23.88	20.94
Processing	(NA)	8.05	4.97	(NA)	9.66	6.57
Valencia	(NA)	14.61	11.50	(NA)	14.17	11.04
Fresh	29.00	21.76	18.77	34.00	20.34	17.27
Processing	(NA)	12.72	9.57	(NA)	12.42	9.27
All	(NA)	13.93	10.90	(NA)	15.31	12.25
Fresh	29.40	19.64	16.74	34.40	23.51	20.55
Processing	(NA)	10.42	7.30	(NA)	9.85	6.72

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

Marketing Year Average Prices Received for Grapefruit – States and United States: 2019-2020 and 2020-2021

State, type, and utilization	2019-2020			2020-2021		
	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)
California ¹	(NA)	17.85	15.03	(NA)	27.31	24.59
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida						
Red ²	(NA)	13.92	10.53	(NA)	(NA)	(NA)
Fresh	30.80	18.45	15.35	(NA)	(NA)	(NA)
Processing	(NA)	9.76	6.11	(NA)	(NA)	(NA)
White ^{2,3}	(NA)	11.05	7.84	(NA)	(NA)	(NA)
Fresh	25.70	13.35	10.41	(NA)	(NA)	(NA)
Processing	(NA)	10.30	7.00	(NA)	(NA)	(NA)
All	(NA)	13.70	10.36	(NA)	17.67	14.51
Fresh	30.30	18.49	15.67	37.70	25.87	23.07
Processing	(NA)	9.93	6.19	(NA)	9.95	6.45
Texas	(NA)	11.01	9.49	(NA)	19.08	17.53
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
United States ¹	(NA)	14.25	11.66	(NA)	21.16	18.51
Fresh	30.30	21.16	18.80	38.90	29.24	26.82
Processing	(NA)	5.26	2.37	(NA)	6.28	3.22

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

(NA) Not available.

¹ Includes pummelos.

² Beginning in 2020-2021 estimates discontinued.

³ Includes seedy grapefruit.

Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States: 2019-2020 and 2020-2021

Crop, State, and utilization	2019-2020			2020-2021		
	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)
Lemons						
Arizona	(NA)	27.77	21.38	(NA)	28.27	21.64
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
California	(NA)	24.31	17.95	(NA)	29.97	23.33
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
United States	(NA)	24.54	18.18	(NA)	29.90	23.26
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Tangerines and mandarins ¹						
California	(NA)	35.49	31.98	(NA)	29.01	25.24
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida	(NA)	25.56	20.96	(NA)	24.38	19.15
Fresh	51.40	37.00	32.55	47.60	33.55	28.70
Processing	(NA)	6.45	1.60	(NA)	5.50	-0.50
United States	(NA)	35.06	31.50	(NA)	28.86	25.06
Fresh	55.45	45.59	42.44	52.35	42.71	39.49
Processing	(NA)	-0.25	-5.14	(NA)	-0.03	-5.06

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

(NA) Not available.

¹ Includes tangelos.

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:

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

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

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

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: 2018-2019, 2019-2020, and 2020-2021

State	Crop year		
	2018-2019	2019-2020	2020-2021
	(pounds)	(pounds)	(pounds)
Oranges			
California	80	80	80
Florida	90	90	90
Texas	85	85	85
Grapefruit			
California ¹	80	80	80
Florida	85	85	85
Texas	80	80	80
Lemons			
Arizona	80	80	80
California	80	80	80
Tangerines and mandarins ²			
California	80	80	80
Florida	95	95	95

¹ Includes pummelos.

² Includes tangelos.

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 and mandarins (including tangelos):

California	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

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Fleming Gibson, Head, Fruits, Vegetables and Special Crops Section	(202) 720-2127
Heidi Lanouette – Apples, Blueberries, Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes.....	(202) 720-4285
Robert Little – Apricots, Dry Beans, Lettuce, Macadamia, Maple Syrup, Nectarines, Pears, Snap Beans, Spinach, Tomatoes	(202) 720-3250
Fleming Gibson – Almonds, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn.....	(202) 720-2127
Krishna Rizal – Artichokes, Cauliflower, Celery, Garlic, Grapefruit, Hazelnuts, Kiwifruit, Lemons, Mandarins and tangerines, Mint, Mushrooms, Olives, Oranges, Tobacco	(202) 720-5412
Chris Wallace – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans	(202) 720-4215
Antonio Torres – Cantaloupes, Dry Edible Peas, Green Peas, Honeydews, Lentils, Papayas, Peaches, Sweet Cherries, Tart Cherries, Walnuts, Watermelons	(202) 720-2157

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
- 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 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 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@usda.gov.

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