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citrus fruits

REVISED ESTIMATES BY STATES, 1964-65 THROUGH 1969-70

- Production
- Use
- Value

ITHACA, N. Y. 14850
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Growers' Marketing Seasons

Oranges: Florida--Early and mid-season, September 15 to April 1;
Valencia, February 1 to July 5;
California--Navel, November 5 to June 20; Valencia, March 15 to December 15;
Texas--September 25 to May 15;
Arizona--November 1 to June 30.

Grapefruit: California--Desert Valleys, November 15 to July 15;
other areas, March 20 to October 31;
Florida--September 5 to June 10;
Arizona--November 1 to July 31;
Texas --September 25 to May 30.

Lemons: California--November 1 to October 31;
Arizona--September 15 to March 1.

Limes: Florida--April 1 to March 31.

Tangelos: Florida--October 20 to March 31.

Tangerines: Florida--October 20 to February 15;
California--November 20 to April 15 (Light volume of late mandarin varieties continues into June.)
Arizona--November 15 to April 15 (Light volume of late mandarin varieties continues into June.)

Temples: Florida--December 1 to May 1.

Net Weight Per Box

Oranges:	Florida and Texas	90 pounds
	California and Arizona	75 pounds
Grapefruit:	Florida	85 pounds
	Texas	80 pounds
	California Desert Valleys and Arizona	64 pounds
	Other California Areas	67 pounds
Lemons:	California and Arizona	76 pounds
Limes:	Florida	80 pounds
Tangelos:	Florida	90 pounds
Tangerines:	Florida	95 pounds
	California and Arizona	75 pounds
Temples:	Florida	90 pounds

CITRUS FRUITS

Revised Estimates, By States, 1964-65 through 1969-70

Production, Use, Value

This report presents estimates by States of the production, value, and utilization of production of citrus fruits for the crop seasons 1964-65 through 1969-70. These estimates have been revised where necessary by reviewing marketing agreement records, recorded truck and rail movement, quantities inspected, quantities used by processors, and the 1969 Census of Agriculture. Separate estimates of home use have been discontinued in this series of statistics and included with fresh utilization. Estimates of Louisiana citrus were discontinued after the 1964-65 season.

Historical Series

Historical series for States, and the United States, were published in "Citrus Fruits, Production, Use, and Value, by States, 1909-10 - 1964-65," Statistical Bulletin No. 380, issued in January 1967.

Crop Seasons

Orange and grapefruit trees generally bloom in late winter and early spring, and fruit is picked 8 to 18 months after blooming. Harvest extends from the fall of the year of bloom to the fall of the following year. Harvest of early and midseason oranges, including navels, starts in the early fall and continues until spring. Harvest of valencia oranges in Florida, Texas, and Arizona extends from about the first of February to early summer. In northern California, valencia harvest starts in March and is usually completed by early summer. In southern California, however, harvest generally starts about May 1 of the year after bloom and extends into December.

Grapefruit harvest, except for the California summer crop, begins in the fall in all States and ends by early summer of the next year. California summer grapefruit move to market mostly from early summer through September of the year after bloom.

California lemons, which make up the major part of the Nation's lemon production, are harvested in all months of the year. The crop year in this publication is considered to be from November 1 to October 31.

Nearly all U. S. limes are grown in Florida and are picked mostly from April through December.

The values shown in this report relate to the crop seasons and should not be confused with estimates of calendar-year cash income.

Table 1. Citrus fruits: Production, utilization, and value, United States, 1964-65 through 1969-70

Crop and Season	Production	Utilization of production		Value of production
		Fresh	Processed	
	1,000 tons			1,000 dollars
Total citrus fruits: 1/				
1964-65	7,633	3,205	4,428	529,335
1965-66	8,767	3,335	5,432	513,487
1966-67	11,436	3,727	7,709	499,707
1967-68	8,328	2,943	5,385	606,507
1968-69	11,213	3,355	7,858	648,393
1969-70	11,360	3,440	7,920	620,318
Oranges, all:				
1964-65	4,988	1,681	3,307	367,266
1965-66	5,808	1,750	4,058	335,941
1966-67	7,924	1,978	5,946	337,309
1967-68	5,436	1,369	4,067	383,807
1968-69	7,898	1,809	6,089	446,972
1969-70	8,023	1,790	6,233	387,977
Early, midseason and navel: 2/				
1964-65	2,525			
1965-66	2,874			
1966-67	4,036			
1967-68	2,730			
1968-69	4,003			
1969-70	4,239			
Valencia: 2/				
1964-65	2,463			
1965-66	2,934			
1966-67	3,888			
1967-68	2,706			
1968-69	3,895			
1969-70	3,784			
Temples:				
1964-65	171	101	70	12,654
1965-66	202	112	90	10,935
1966-67	225	135	90	7,550
1967-68	202	126	76	16,020
1968-69	202	94	108	13,860
1969-70	234	127	107	12,012

See footnotes at end of table.

Continued

Table 1. Citrus fruits: Production, utilization, and value, United States, 1964-65 through 1969-70 Continued

Crop and season	Production	Utilization of production		Value of production
		Fresh	Processed	
	1,000 tons			1,000 dollars
Grapefruit:				
1964-65	1,667	891	776	78,147
1965-66	1,894	921	973	91,228
1966-67	2,286	1,024	1,262	76,586
1967-68	1,781	887	894	111,787
1968-69	2,207	910	1,297	90,842
1969-70	2,186	951	1,235	120,994
Lemons:				
1964-65	540	341	199	47,057
1965-66	599	348	251	51,885
1966-67	681	353	328	58,685
1967-68	641	358	283	64,939
1968-69	600	336	264	69,694
1969-70	590	356	234	74,595
Limes:				
1964-65	22	12	10	2,050
1965-66	17	11	6	2,034
1966-67	17	11	6	2,705
1967-68	29	14	15	3,233
1968-69	28	15	13	3,157
1969-70	29	15	14	4,140
Tangelos:				
1964-65	45	36	9	4,610
1965-66	54	44	10	6,408
1966-67	76	58	18	3,978
1967-68	76	63	13	6,800
1968-69	81	55	26	6,102
1969-70	113	63	50	5,325
Tangerines:				
1964-65	200	143	57	17,551
1965-66	193	149	44	15,056
1966-67	227	168	59	12,894
1967-68	163	126	37	19,921
1968-69	197	136	61	17,766
1969-70	185	138	47	15,275

1/ Oranges, temples, grapefruit, lemons, limes, tangelos, and tangerines.
2/ Utilization, and value, by varieties, not available.

Table 2. Oranges: Production, utilization, season average price, and value, by States, 1964-65 through 1969-70

State, variety, and season	Production	Utilization of production		Price per box 1/	Value of production
		Fresh	Total processed		
	1,000 boxes 2/			Dollars	1,000 dollars
FLORIDA					
Total:					
1964-65	82,400	14,598	67,802	3.00	247,194
1965-66	95,900	15,382	80,518	2.26	216,587
1966-67	139,500	17,876	121,624	1.57	219,444
1967-68	100,500	17,096	83,404	2.80	281,408
1968-69	129,700	13,304	116,396	2.48	322,292
1969-70	137,700	13,263	124,437	1.93	265,842
Early, midseason:					
1964-65	42,600	7,788	34,812	3.14	133,764
1965-66	47,000	9,179	37,821	2.08	97,760
1966-67	73,200	10,071	63,129	1.44	105,408
1967-68	51,400	9,391	42,009	2.59	133,126
1968-69	69,700	7,867	61,833	2.36	164,492
1969-70	72,900	7,491	65,409	1.94	141,426
Valencia:					
1964-65	39,800	6,810	32,990	2.85	113,430
1965-66	48,900	6,203	42,697	2.43	118,827
1966-67	66,300	7,805	58,495	1.72	114,036
1967-68	49,100	7,705	41,395	3.02	148,282
1968-69	60,000	5,437	54,563	2.63	157,800
1969-70	64,800	5,772	59,028	1.92	124,416
CALIFORNIA					
Total:					
1964-65	30,700	24,670	6,030	3.58	109,907
1965-66	35,900	25,240	10,660	3.08	110,446
1966-67	36,800	26,800	10,000	2.86	105,104
1967-68	19,150	11,740	7,410	4.40	84,211
1968-69	44,300	26,365	17,935	2.37	104,816
1969-70	39,000	26,505	12,495	2.75	107,072
Navel and miscellaneous:					
1964-65	14,900	13,610	1,290	3.93	58,557
1965-66	18,300	14,190	4,110	2.90	53,070
1966-67	17,025	14,665	2,360	3.20	54,480
1967-68	9,150	5,580	3,570	4.34	39,711
1968-69	18,600	14,265	4,335	3.01	55,986
1969-70	21,200	16,005	5,195	2.75	58,300
Valencia:					
1964-65	15,800	11,060	4,740	3.25	51,350
1965-66	17,600	11,050	6,550	3.26	57,376
1966-67	19,775	12,135	7,640	2.56	50,624
1967-68	10,000	6,160	3,840	4.45	44,500
1968-69	25,700	12,100	13,600	1.90	48,830
1969-70	17,800	10,500	7,300	2.74	48,772

See footnotes at end of table.

Continued

Table 2. Oranges: Production, utilization, season average price, and value, by States, 1964-65 through 1969-70 Continued

State, variety, and season	Production	Utilization of production		Price per box 1/	Value of production
		Fresh	Total processed		
	1,000 boxes 2/			Dollars	1,000 dollars
ARIZONA					
Total:					
1964-65	2,370	1,673	697	2.97	7,029
1965-66	2,370	1,625	745	2.43	5,762
1966-67	3,850	2,281	1,569	2.39	9,197
1967-68	3,040	2,476	564	4.69	14,264
1968-69	5,260	3,300	1,960	2.19	11,494
1969-70	4,630	2,406	2,224	1.98	9,183
Navel and miscellaneous:					
1964-65	620	515	105	3.97	2,461
1965-66	910	724	186	2.69	2,448
1966-67	800	592	208	3.68	2,944
1967-68	800	736	64	6.49	5,192
1968-69	1,150	914	236	3.49	4,014
1969-70	990	724	266	2.40	2,376
Valencia:					
1964-65	1,750	1,158	592	2.61	4,568
1965-66	1,460	901	559	2.27	3,314
1966-67	3,050	1,689	1,361	2.05	6,253
1967-68	2,240	1,740	500	4.05	9,072
1968-69	4,110	2,386	1,724	1.82	7,480
1969-70	3,640	1,682	1,958	1.87	6,807
TEXAS					
Total:					
1964-65	880	805	75	3.48	3,062
1965-66	1,300	1,148	152	2.42	3,146
1966-67	2,700	1,830	870	1.32	3,564
1967-68	1,800	1,480	320	2.18	3,924
1968-69	4,500	2,170	2,330	1.86	8,370
1969-70	4,200	2,400	1,800	1.40	5,880
Early, midseason: 3/4/					
1964-65	570				
1965-66	880				
1966-67	1,640				
1967-68	970				
1968-69	2,800				
1969-70	2,800				
Valencia: 4/					
1964-65	310				
1965-66	420				
1966-67	1,060				
1967-68	830				
1968-69	1,700				
1969-70	1,400				

See footnotes at end of table.

Continued

Table 2. Oranges: Production, utilization, season average price, and value, by States, 1964-65 through 1969-70 Continued

State, variety, and season	Production	Utilization of production		Price per box 1/	Value of production
		Fresh	Total processed		
	1,000 boxes 2/			Dollars	1,000 dollars
LOUISIANA 3/					
Total:					
1964-65	10	10		7.40	74
UNITED STATES					
Total:					
1964-65	116,360	41,756	74,604	3.16	367,266
1965-66	135,470	43,395	92,075	2.48	335,941
1966-67	182,850	48,787	134,063	1.84	337,309
1967-68	124,490	32,792	91,698	3.08	383,807
1968-69	183,760	45,139	138,621	2.43	446,972
1969-70	185,530	44,574	140,956	2.09	387,977
Early, midseason, and navel: 4/					
1964-65	58,700				
1965-66	67,090				
1966-67	92,665				
1967-68	62,320				
1968-69	92,250				
1969-70	97,890				
Valencia: 4/					
1964-65	57,660				
1965-66	68,380				
1966-67	90,185				
1967-68	62,170				
1968-69	91,510				
1969-70	87,640				

1/ Equivalent packinghouse door returns.
2/ For net weight per box see table on page 2.
3/ Includes small amount of tangerines.
4/ Utilization, price, and value, by varieties, not available.

Table 3. Grapefruit: Production, utilization, season average price, and value, by States, 1964-65 through 1969-70

State, variety, and season	Production	Utilization of production		Price per box 1/	Value of production
		Fresh	Processed		
	1,000 boxes 2/			Dollars	1,000 dollars
FLORIDA					
Total:					
1964-65	31,900	15,846	16,054	1.91	60,809
1965-66	34,900	15,077	19,823	1.93	67,295
1966-67	43,600	17,281	26,319	1.31	57,194
1967-68	32,900	14,702	18,198	2.64	86,788
1968-69	39,900	14,067	25,833	1.64	65,428
1969-70	37,400	14,262	23,138	2.36	88,304
Seedless:					
1964-65	21,700	14,126	7,574	2.06	44,795
1965-66	23,700	13,867	9,833	2.05	48,591
1966-67	30,100	15,958	14,142	1.37	41,129
1967-68	23,700	13,846	9,854	2.85	67,652
1968-69	27,700	13,255	14,445	1.72	47,738
1969-70	27,900	13,703	14,197	2.46	68,544
Pink Seedless:					
1964-65	8,700	6,579	2,121	2.25	19,575
1965-66	9,300	6,904	2,396	2.19	20,367
1966-67	11,500	8,004	3,496	1.49	17,135
1967-68	9,400	6,910	2,490	3.12	29,328
1968-69	10,700	6,644	4,056	1.84	19,688
1969-70	10,200	6,687	3,513	2.59	26,418
White Seedless:					
1964-65	13,000	7,547	5,453	1.94	25,220
1965-66	14,400	6,963	7,437	1.96	28,224
1966-67	18,600	7,954	10,646	1.29	23,994
1967-68	14,300	6,936	7,364	2.68	38,324
1968-69	17,000	6,611	10,389	1.65	28,050
1969-70	17,700	7,016	10,684	2.38	42,126
Other:					
1964-65	10,200	1,720	8,480	1.57	16,014
1965-66	11,200	1,210	9,990	1.67	18,704
1966-67	13,500	1,323	12,177	1.19	16,065
1967-68	9,200	856	8,344	2.08	19,136
1968-69	12,200	812	11,388	1.45	17,690
1969-70	9,500	559	8,941	2.08	19,760
ARIZONA					
Total:					
1964-65	2,900	1,808	1,092	1.26	3,654
1965-66	3,050	1,923	1,127	1.55	4,728
1966-67	1,680	950	730	1.55	2,604
1967-68	3,740	2,400	1,340	1.83	6,844
1968-69	2,510	1,450	1,060	1.92	4,819
1969-70	3,160	1,759	1,401	2.47	7,805

See footnotes at end of table.

Continued

Table 3. Grapefruit: Production, utilization, season average price, and value, by States, 1964-65 through 1969-70 Continued

State, variety, and season	Production	Utilization of production		Price per box 1/	Value of production
		Fresh	Processed		
	1,000 boxes 2/			Dollars	1,000 dollars
TEXAS					
Total:					
1964-65	2,000	1,861	139	2.35	4,700
1965-66	3,800	3,080	720	1.89	7,182
1966-67	5,400	4,040	1,360	1.15	6,210
1967-68	2,800	2,285	515	2.17	6,076
1968-69	6,700	4,590	2,110	1.47	9,849
1969-70	8,100	4,930	3,170	1.56	12,636
CALIFORNIA					
Total:					
1964-65	4,227	2,601	1,626	2.13	8,984
1965-66	4,945	2,921	2,024	2.43	12,023
1966-67	4,996	2,967	2,029	2.12	10,578
1967-68	4,618	2,844	1,774	2.62	12,079
1968-69	5,060	2,560	2,500	2.12	10,746
1969-70	5,250	2,758	2,492	2.33	12,249
Desert Valleys:					
1964-65	2,527	1,381	1,146	1.88	4,751
1965-66	2,745	1,489	1,256	2.16	5,929
1966-67	2,696	1,371	1,325	1.68	4,529
1967-68	2,918	1,788	1,130	2.52	7,353
1968-69	3,260	1,490	1,770	1.64	5,346
1969-70	2,950	1,279	1,671	1.86	5,487
Other areas:					
1964-65	1,700	1,220	480	2.49	4,233
1965-66	2,200	1,432	768	2.77	6,094
1966-67	2,300	1,596	704	2.63	6,049
1967-68	1,700	1,056	644	2.78	4,726
1968-69	1,800	1,070	730	3.00	5,400
1969-70	2,300	1,479	821	2.94	6,762
UNITED STATES					
All:					
1964-65	41,027	22,116	18,911	1.90	78,147
1965-66	46,695	23,001	23,694	1.95	91,228
1966-67	55,676	25,238	30,438	1.38	76,586
1967-68	44,058	22,231	21,827	2.54	111,787
1968-69	54,170	22,667	31,503	1.68	90,842
1969-70	53,910	23,709	30,201	2.24	120,994

1/ Equivalent packinghouse door returns.
2/ For net weight per box see table on page 2.

Table 4. Lemons, limes, tangelos, tangerines, and temples: Production, utilization, season average price, and value, by States, 1964-65 through 1969-70

Crop, State, and season	Production	Utilization of production		Price per box 1/	Value of production
		Fresh	Processed		
	1,000 boxes 2/			Dollars	1,000 dollars
LEMONS					
California:					
1964-65	13,100	8,385	4,715	3.31	43,361
1965-66	13,800	8,525	5,275	3.41	47,058
1966-67	15,100	8,250	6,850	3.33	50,283
1967-68	13,600	8,085	5,515	3.96	53,856
1968-69	12,300	7,510	4,790	4.85	59,655
1969-70	12,700	8,010	4,690	4.79	60,833
Arizona:					
1964-65	1,110	586	524	3.33	3,696
1965-66	1,970	645	1,325	2.45	4,827
1966-67	2,810	1,037	1,773	2.99	8,402
1967-68	3,250	1,313	1,937	3.41	11,083
1968-69	3,510	1,369	2,141	2.86	10,039
1969-70	2,820	1,341	1,479	4.88	13,762
UNITED STATES:					
1964-65	14,210	8,971	5,239	3.31	47,057
1965-66	15,770	9,170	6,600	3.29	51,885
1966-67	17,910	9,287	8,623	3.28	58,685
1967-68	16,850	9,398	7,452	3.85	64,939
1968-69	15,810	8,879	6,931	4.41	69,694
1969-70	15,520	9,351	6,169	4.81	74,595
LIMES					
Florida:					
1964-65	560	300	260	3.66	2,050
1965-66	415	275	140	4.90	2,034
1966-67	420	273	147	6.44	2,705
1967-68	720	343	377	4.49	3,233
1968-69	700	380	320	4.51	3,157
1969-70	725	374	351	5.71	4,140
TANGELOS					
Florida:					
1964-65	1,000	806	194	4.61	4,610
1965-66	1,200	979	221	5.34	6,408
1966-67	1,700	1,294	406	2.34	3,978
1967-68	1,700	1,415	285	4.00	6,800
1968-69	1,800	1,214	586	3.39	6,102
1969-70	2,500	1,397	1,103	2.13	5,325

See footnotes at end of table.

Continued

Table 4. Lemons, limes, tangelos, tangerines, and temples: Production, utilization, season average price, and value, by States, 1964-65 through 1969-70 Continued

Crop, State, and season	Production	Utilization of production		Price per box 1/	Value of production
		Fresh	Processed		
	1,000 boxes 2/			Dollars	1,000 dollars
TANGERINES					
Florida:					
1964-65	3,750	2,581	1,169	3.80	14,250
1965-66	3,600	2,732	868	3.39	12,204
1966-67	4,100	3,032	1,068	2.31	9,471
1967-68	2,800	2,134	666	5.73	16,044
1968-69	3,400	2,327	1,073	4.10	13,940
1969-70	3,000	2,383	617	3.75	11,250
Arizona:					
1964-65	190	182	8	5.90	1,121
1965-66	230	207	23	5.31	1,221
1966-67	260	230	30	5.25	1,365
1967-68	230	195	35	4.22	971
1968-69	290	235	55	4.43	1,285
1969-70	350	242	108	4.03	1,411
California:					
1964-65	400	367	33	5.45	2,180
1965-66	350	302	48	4.66	1,631
1966-67	600	410	190	3.43	2,058
1967-68	560	460	100	5.19	2,906
1968-69	640	420	220	3.97	2,541
1969-70	760	404	356	3.44	2,614
UNITED STATES:					
1964-65	4,340	3,130	1,210	4.04	17,551
1965-66	4,180	3,241	939	3.60	15,056
1966-67	4,960	3,672	1,288	2.60	12,894
1967-68	3,590	2,789	801	5.55	19,921
1968-69	4,330	2,982	1,348	4.10	17,766
1969-70	4,110	3,029	1,081	3.72	15,275
TEMPLES					
Florida:					
1964-65	3,800	2,246	1,554	3.33	12,654
1965-66	4,500	2,490	2,010	2.43	10,935
1966-67	5,000	3,002	1,998	1.51	7,550
1967-68	4,500	2,801	1,699	3.56	16,020
1968-69	4,500	2,103	2,397	3.08	13,860
1969-70	5,200	2,823	2,377	2.31	12,012

1/ Equivalent packinghouse door returns.
2/ For net weight per box see table on page 2.

Table 5. Oranges processed, 1/ Florida, 1964-65 through 1969-70

Season	Concentrates		Chilled products		Other processed	Total processed
	Frozen	Other	Juice	Salads		
	1,000 boxes 2/					
1964-65	54,487	24	7,300	533	7,281	69,625
1965-66	61,824		12,324	784	8,009	82,941
1966-67	96,763		16,479	807	10,214	124,263
1967-68	61,970		15,975	837	6,764	85,546
1968-69	92,125		17,843	773	9,350	120,091
1969-70	100,739		18,640	841	8,206	128,426

1/ Includes tangelos, temples, and murcotts.
2/ For net weight per box see table on page 2.

Table 6. Grapefruit and tangerines processed, Florida, 1964-65 through 1969-70

Season	Grapefruit						Tangerines		
	Concentrates		Chilled products		Other processed	Total processed	Concentrates	Other processed	Total processed
	Frozen	Other	Juice	Salads			Frozen	Other	
	1,000 boxes 1/						1,000 boxes 1/		
1964-65	3,516	35	262	1,180	11,061	16,054	919	250	1,169
1965-66	3,992		726	1,636	13,469	19,823	624	244	868
1966-67	5,371		1,167	1,566	18,215	26,319	929	139	1,068
1967-68	1,792		1,288	1,612	13,506	18,198	491	175	666
1968-69	6,550		1,631	1,676	15,976	25,833	944	129	1,073
1969-70	4,579		1,824	1,158	15,577	23,138	586	31	617

1/ For net weight per box see table on page 2.