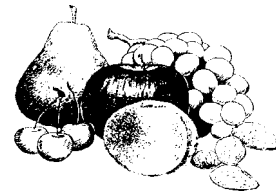


# California Fruit & Nut Review



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CALIFORNIA AGRICULTURAL  
STATISTICS SERVICE

## HIGHLIGHTS IN THIS ISSUE:

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but wet, cool weather hampered the bees' activity. Peaches, nectarines, and plums began blooming activity. Fungicides were sprayed on fruit and nut trees for fungus and brown rot. Strawberry nursery plant digging was active. Navel orange picking was active between the rain in February and approximately one-half of the crop was picked by March 1. The rain improved the size and sugar acid ratio, but growers were concerned about puff and crease. Valencia orange picking began in the desert area by late February. Picking of grapefruit, lemons, and tangerines was active.

## FEBRUARY CROP COMMENTS

Cultural activities of fruit and nut growers were slowed in February due to wet weather. When possible, growers were busy pruning and planting trees and vines. Almonds began to bloom and were in full bloom by March 1. Bee colonies were placed in almond orchards for pollination,

## FRUIT AND NUT STATISTICS AT A GLANCE

Crop	Bearing Acreage		Yield Per Acre		Estimated Production		Production Percent Change	Next Crop Update
	1998	1999	1998	1999	1998	1999		
	Acres		Pounds		1,000 Pounds			
<b>NUT CROPS</b>								
Almonds (Shelled) <sup>1/</sup>	460,000	480,000	1,130	1,730	520,000	830,000	60	May 11, 2000
Pecans	2,600	2,600	654	923	1,700	2,400	41	Sept. 12, 2000
Pistachio (In-Shell)								
Marketable In-Shell	---	---	---		138,000	104,000		
Shelling Stock	0		---		50,000	18,000		
Total	68,000	71,000	2,760	1,730	188,000	123,000	-35	Sept. 1, 2000
			Tons		1,000 Tons			
Walnuts (In-Shell)	193,000	193,000	1.18	1.47	227.0	283.0	25	Sept 1, 2000
<b>FRUIT CROPS</b>								
	Acres		Tons		1,000 Tons			
Apples	37,000	35,000	11.60	11.80	430.0	412.5	-4	Aug. 11, 2000
Apricots	20,000	19,000	5.65	4.47	113.0	85.0	-25	June 9, 2000
Cherries	17,500	18,500	0.87	3.95	15.2	73.0	380	June 9, 2000
Grapes, Raisin	275,000	275,000	7.55	7.68	2,077.0	2,113.0	2	July 12, 2000
Grapes, Table	83,000	85,000	7.75	7.76	643.0	660.0	3	July 12, 2000
Grapes, Wine	385,000	410,000	6.68	6.59	2,570.0	2,700.0	5	July 12, 2000
Grapes, All	743,000	770,000	7.12	7.11	5,290.0	5,473.0	4	July 12, 2000
Olives	35,300	35,300	2.55	4.11	90.0	145.0	61	Aug. 11, 2000
Peaches, Clingstone	30,400	29,800	17.20	17.75	522.5	529.5	1	June 9, 2000
Peaches, Freestone	36,100	37,000	9.45	10.20	340.5	377.5	11	June 9, 2000
Pears, Bartlett	15,000	15,000	18.50	19.50	277.0	292.0	5	June 9, 2000
Pears, Other	4,300	4,300	6.98	6.98	30.0	30.0		Aug. 11, 2000
Prunes (Dried Weight)	83,000	83,000	1.30	2.14	108.0	178.0	65	June 2, 2000
<b>BERRIES</b>								
	1998	1999	1998	1999	1998	1999		
	Acres		Cwt.		1,000 Cwt.			
Strawberries	24,200	24,600	560	615	13,552	15,155	12	April 11, 2000
<b>CITRUS CROPS <sup>2/</sup></b>								
	1998-99	1999-00	1998-99	1999-00	1998-99	1999-00		
	Acres		Cartons		1,000 Cartons			
Grapefruit	16,600	16,600	904	964	15,000	16,000	7	April 11, 2000
Lemons	48,500	48,500	668	866	32,400	42,000	30	April 11, 2000
Oranges, Navel	128,000	130,000	328	616	42,000	80,000	91	April 11, 2000
Oranges, Valencia	73,500	73,500	462	735	34,000	54,000	59	April 11, 2000
Tangerines <sup>3/</sup>	8,600	8,600	348	535	3,000	4,600	53	April 11, 2000

<sup>1/</sup> Almond forecast released May 11 at 12:00 PM.

<sup>2/</sup> Grapefruit -- 33.5 lbs. per carton; Lemons -- 38.0 lbs. per carton; Oranges -- 37.5 lbs. per carton; Tangerines -- 37.5 lbs. per carton.

<sup>3/</sup> Includes tangelos, tangerines and tangors.

**STRAWBERRIES FOR FRESH MARKET AND PROCESSING**

Crop and State	Area Planted		Area Harvested		Yield Per Acre		Production		Price Per Cwt.		Total Value	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	Acres				Cwt.		1,000 Cwt.		Dollars		1,000 Dollars	
Arkansas	210	230	180	210	44	52	8	11	65.00	62.00	520	682
California	24,200	24,600	24,200	24,600	560	615	13,552	15,155	55.80	58.70	756,848	889,207
Florida	6,200	6,200	6,200	6,200	260	300	1,612	1,860	100.00	81.00	161,200	150,660
Louisiana	400	400	400	400	150	150	60	60	70.00	72.00	4,200	4,320
Michigan	1,500	1,400	1,400	1,400	68	64	95	90	74.60	71.20	7,089	6,412
New Jersey	500	500	450	450	44	44	20	20	44.20	63.50	884	1,270
New York	1,700	1,700	1,600	1,600	38	49	61	78	115.00	106.00	7,015	8,268
North Carolina	1,700	1,650	1,600	1,600	125	110	200	176	75.00	80.00	15,000	14,080
Ohio	1,200	1,200	1,000	1,000	52	40	52	40	100.00	105.00	5,200	4,200
Oregon	4,500	4,300	4,400	4,200	115	99	506	416	51.00	51.50	25,820	21,412
Pennsylvania	1,200	1,300	1,200	1,300	42	40	50	52	109.00	105.00	5,450	5,434
Washington	1,500	1,500	1,500	1,500	80	80	120	120	50.30	61.40	6,040	7,368
Wisconsin	1,200	1,200	1,100	1,100	55	44	61	48	108.00	106.00	6,588	5,088
<b>U.S. Total</b>	<b>46,010</b>	<b>46,180</b>	<b>45,230</b>	<b>45,560</b>	<b>365</b>	<b>400</b>	<b>16,397</b>	<b>18,126</b>	<b>61.10</b>	<b>61.70</b>	<b>1,001,854</b>	<b>1,118,401</b>

**BERRIES: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE BY CROP, STATE AND UNITED STATES, 1997-99**

Crop, State and Year		Area Harvested	Yield Per Acre <sup>1/</sup>	Total Production	Price Per Pound	Total Value of Production
		Acres	Pounds	1,000 Lbs.	Dollars	\$1,000
<b>Boysenberries</b>						
California	1997	270	9,110	2,460	0.667	1,642
	1998	250	7,000	1,750	0.792	1,386
	1999	300	9,330	2,800	0.824	2,308
Oregon	1997	1,350	5,260	7,100	0.549	3,895
	1998	1,360	4,560	6,200	0.450	2,788
	1999	1,400	5,000	7,000	0.658	4,609
United States	1997	1,620	5,900	9,560	0.579	5,537
	1998	1,610	4,940	7,950	0.525	4,174
	1999	1,700	5,760	9,800	0.706	6,917
<b>Black Raspberries</b>						
Oregon	1997	1,100	1,910	2,100	1,900.000	4,000
	1998	1,060	2,450	2,600	2,100.000	5,465
	1999	1,100	2,640	2,900	1,890.000	5,486
<b>Red Raspberries</b>						
Oregon	1997	3,600	4,860	17,500	0.551	9,645
	1998	3,300	4,300	14,200	0.453	6,437
	1999	3,000	4,500	13,500	0.706	9,532
Washington	1997	8,500	7,000	66,300	0.471	28,020
	1998	9,000	6,700	65,300	0.376	22,664
	1999	9,500	7,300	71,350	0.696	48,291
United States	1997	12,100	6,360	83,800	0.489	37,665
	1998	12,300	6,060	79,500	0.391	29,101
	1999	12,500	6,630	84,850	0.698	57,823
<b>All Raspberries</b>						
California	1997	1,700	8,530	14,500	1,390.000	20,225
	1998	1,700	8,710	14,800	1,920.000	28,470
	1999	1,800	11,400	20,500	1,480.000	30,254

<sup>1/</sup> Yields based on utilized production.

### FINAL GRAPE CRUSH REPORT

The 1999 crush totaled 3,185,463 tons, up approximately 0.5 percent from the 1998 crush of 3,168,568 tons. Red wine varieties accounted for the largest share of all grapes crushed, at 1,421,758 tons, up 7 percent from 1998. The 1999 white wine variety crush totaled 1,195,073 tons, up slightly from 1998. Tons crushed of raisin type varieties totaled 419,362, down 17 percent from 1998, while tons crushed of table type varieties totaled 149,269, up 10 percent from 1998.

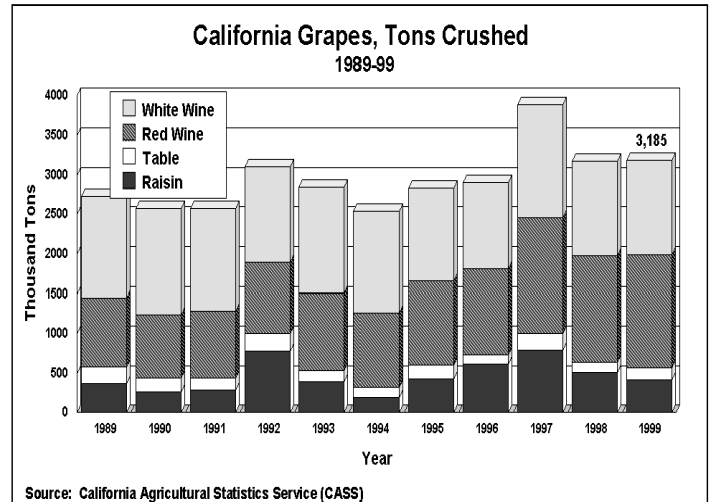
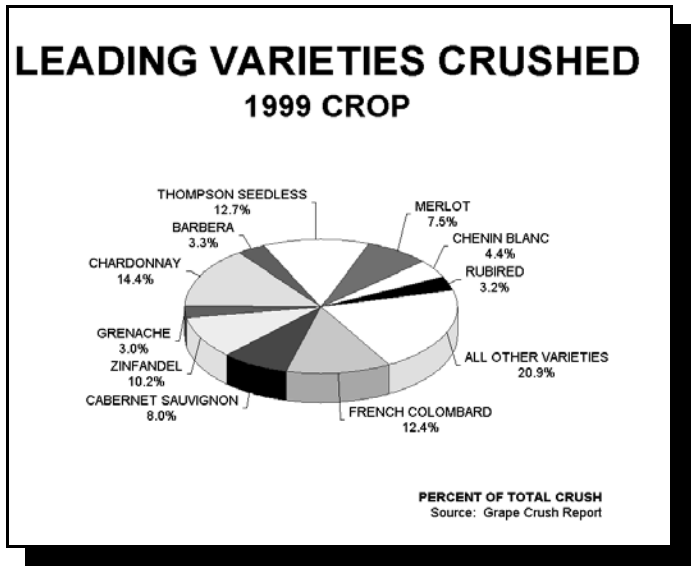
Beginning this 1999 season, the Grape Crush Report includes the total number of tons crushed that will be marketed as grape concentrate. In determining grape tonnage crushed for concentrate production, each processor was required to report the estimated equivalent tons of grapes crushed that are expected to be marketed as grape concentrate. For the 1999 season, this total was 762,171 tons, nearly one-quarter of the 1999 grape crush total. This report provides only the aggregate figure for grapes crushed for concentrate production and shall not include information by district, type, or variety.

California grape growers received prices in 1999 that were, on average, slightly above the 1998 prices. The 1999 average price of all varieties was \$524.83, up 5 percent from 1998. Average prices for the 1999 crop by type were as follows: red wine grapes, \$648.71, up slightly from 1998; white wine grapes, \$518.32, down slightly; raisin grapes, \$200.32, up 22 percent; and table grapes, \$187.15, up 24 percent. These price levels have not been adjusted for inflation.

In 1999, Chardonnay accounted for the largest percentage of crush volume, 14 percent. Thompson Seedless, a raisin grape variety, accounted for the second leading percentage of crush with 13 percent of the total crush. The remaining top ten were all wine varieties.

Grapes produced in District 4 (Napa County) received the highest average price of \$2,142.55 per ton, up 12 percent from 1998. District 3 (Sonoma and Marin counties) received the second highest return of \$1,880.89, up 8 percent from 1998. Of the grapes grown Statewide, the top five varieties receiving the highest average price were all wine grape varieties. Scheurebe received the highest average price of \$2,629.89 1/ per ton. Petite Verdot received the second highest average price of \$2,159.75 per ton followed by Teroldego with \$1,905.04 1/ per ton, Negrette at \$1,847.38 1/ per ton, and Malbec at \$1,772.21 per ton. The 1999 Chardonnay price of \$995.68 was down 8 percent from 1998, while the 1999 Cabernet Sauvignon price of \$1,063.60 was down 10 percent from 1998. The 1999 average price for Zinfandel grapes increased to \$494.23, 7 percent higher than 1998.

1/ These purchases involved less than 100 tons.



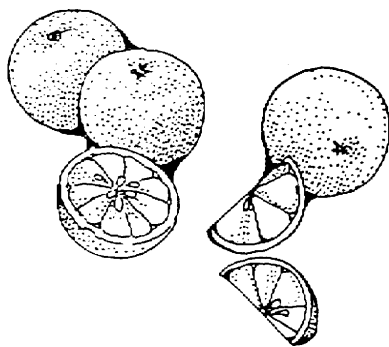
### CALIFORNIA GRAPE CRUSH, TONNAGE, AND PRICE, 1988-1999

Crop Year	Raisin Type		Table Type		Red Wine Type		White Wine Type		All Types	
	Tons (000)	Price	Tons (000)	Price	Tons (000)	Price	Tons (000)	Price	Tons (000)	Price
1988	415	\$116	312	\$131	760	\$409	1,356	\$238	2,843	\$253
1989	370	\$132	211	\$128	872	\$410	1,272	\$297	2,725	\$297
1990	268	\$126	170	\$127	804	\$355	1,331	\$277	2,573	\$276
1991	284	\$150	157	\$141	840	\$383	1,289	\$319	2,570	\$310
1992	785	\$182	217	\$170	888	\$438	1,209	\$364	3,099	\$325
1993	452	\$152	137	\$147	979	\$430	1,327	\$316	2,895	\$323
1994	239	\$118	123	\$136	936	\$462	1,242	\$317	2,540	\$344
1995	432	\$164	170	\$162	1,052	\$515	1,175	\$351	2,829	\$372
1996	618	\$191	117	\$188	1,079	\$611	1,094	\$469	2,908	\$452
1997	786	\$185	212	\$169	1,461	\$656	1,433	\$546	3,891	\$497
1998	506	\$164	135	\$150	1,333	\$643	1,194	\$521	3,169	\$502
1999	419	\$200	149	\$187	1,422	\$649	1,195	\$518	3,185	\$525

Source: California Agricultural Statistics Service (CASS)

**FLORIDA CITRUS COMMENTS**

February was a very dry month in Florida's Citrus Belt. Growers on the high sand hills and flat woods soils have been constantly irrigating to maintain good tree condition for the upcoming bloom period. By the end of the month, most groves in the southern part of the state had new growth and pin head bloom buds. Also, many Navel and Valencia trees in well cared for groves in the south have open bloom. Fruit loss from droppage continues to be below average in all areas. Fruit sizes are progressing well with the help of a lot of irrigation in most counties. Harvest of early and mid-season oranges was very active during February with average weekly movement exceeding 8.00 million boxes per week. Movement of all grapefruit was also very active as several processors were receiving grove run fruit. Honey tangerines and Temples were being picked for both fresh and processed utilization. Caretakers were kept busy operating their irrigation equipment and cutting cover crops for fire protection. Hedging and topping were reported in all areas. Very few burn permits were being issued due to the extreme dry conditions.



**CITRUS FRUIT PRODUCTION**

Crop & State	1997-98	1998-99	Forecast 1999-00
	1,000 Cartons		
<b>ORANGES: 1/</b>			
California, All	138,000	76,000	134,000
Navel & Misc.	88,000	42,000	80,000
Valencia	50,000	34,000	54,000
Florida	488,000	371,400	452,000
Texas	3,050	2,860	3,400
Arizona	2,000	2,300	2,100
<b>ALL U.S. ORANGES</b>	<b>631,050</b>	<b>452,560</b>	<b>591,500</b>
<b>GRAPEFRUIT: 2/</b>			
California, All	16,000	15,000	16,000
Florida	99,100	94,100	92,000
Texas	9,600	12,200	11,000
Arizona	1,600	1,500	1,600
<b>ALL U.S. GRAPEFRUIT</b>	<b>126,300</b>	<b>122,800</b>	<b>120,600</b>
<b>LEMONS: 4/</b>			
California	42,000	32,400	42,000
Arizona	5,200	6,900	6,200
<b>ALL U.S. LEMONS</b>	<b>47,200</b>	<b>39,300</b>	<b>48,200</b>
<b>TANGERINES: 5/</b>			
California 6/	4,800	3,000	4,600
Florida	10,400	9,900	13,600
Arizona	1,200	1,900	2,200
<b>ALL U.S. TANGERINES</b>	<b>16,400</b>	<b>14,800</b>	<b>20,400</b>

1/ ORANGES: California and Arizona, 1 carton = 37.5 lbs.; Florida, 1 carton = 45 lbs.; Texas, 1 carton = 42.5 lbs.  
 2/ GRAPEFRUIT: Arizona, 1 carton=32 lbs.; California, 1 carton = 33.5 lbs.; Florida, 1 carton = 42.5 lbs.; Texas, 1 carton = 40 lbs.  
 3/ Desert and Other Area Grapefruit forecasts combined to All Grapefruit beginning in 1995-96.  
 4/ LEMONS: All, 1 carton = 38 lbs.  
 5/ TANGERINES: California and Arizona, 1 carton = 37.5 lbs.; Florida, 1 carton = 47.5 lbs.  
 6/ Includes tangelos, tangerines, and tangors.