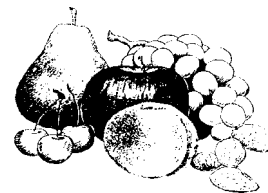


California Fruit & Nut Review



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CALIFORNIA AGRICULTURAL
STATISTICS SERVICE

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out blooms on early and mid-season tree fruit varieties. Almond orchards were in bloom; weather conditions were optimal for pollination. Bloom sprays were applied in a few orchards by month's end. Bloom began in some avocado orchards during the last week in February. Strawberry fields in some locations were blooming.

FEBRUARY CROP COMMENTS

Seasonal cultural activities such as pruning, grafting, cultivating, irrigating, and dormant spraying continued in orchards and vineyards. New orchards and vineyards were being planted where older plantings had been removed. Crews continued to prune and tie vines throughout the month. Grape growers irrigated, shredded brush, mowed cover crops, fertilized, cultivated, and applied herbicide applications to vineyards. Unseasonably warm weather throughout the month pushed

The Navel orange harvest continued throughout February; sprays to control fungus were applied in some areas. The early variety Valencia orange harvest began mid-February in some orchards. Grapefruit picking was ongoing in the desert and the San Joaquin Valley. Lemons and Minneola tangelos were picked throughout the month.

FRUIT AND NUT STATISTICS AT A GLANCE

Crop	Bearing Acreage		Yield Per Acre		Estimated Production		Production Percent Change	Next Crop Update
	2000	2001	2000	2001	2000	2001		
	Acres		Pounds		1,000 Pounds			
NUT CROPS								
Almonds (Shelled) ^{1/}	500,000	525,000	1,410	1,620	703,000	850,000	21	May 9, 2002
Pecans	2,600	2,600	1,310	1,310	3,400	3,400	N/C	October 11, 2002
Pistachio (In-Shell)								
Marketable In-Shell	---	---	---	---	190,000	127,000		
Shelling Stock	---	---	---	---	53,000	34,000		
Total ^{2/}	74,600	78,000	3,260	2,060	243,000	161,000	-34	August 29, 2002
			Tons		1,000 Tons			
Walnuts (In-Shell) ^{3/}	193,000	196,000	1.24	1.56	239.0	305.0	28	September 5, 2002
FRUIT CROPS								
Apples	31,000	29,000	10.50	9.48	325.0	275.0	-15	August 12, 2002
Apricots	19,000	18,000	4.74	4.28	90.0	77.0	-14	June 12, 2002
Cherries	19,000	20,000	2.47	2.77	47.0	55.3	18	June 12, 2002
Grapes, Raisin	280,000	280,000	10.40	8.92	2,921.0	2,133.0	-27	July 11, 2002
Grapes, Table	89,000	91,000	8.70	7.66	774.0	697.0	-10	July 11, 2002
Grapes, Wine ^{4/}	458,000	480,000	7.34	6.46	3,364.0	3,100.0	-8	July 11, 2002
Grapes, All	827,000	851,000	8.54	6.97	7,059.0	5,930.0	-16	July 11, 2002
Olives	36,000	36,000	1.47	3.72	53.0	134.0	153	August 12, 2002
Peaches, Clingstone	28,200	28,800	18.90	16.50	532.0	476.0	-11	May 10, 2002
Peaches, Freestone	39,000	39,000	10.10	9.91	395.5	386.5	-2	May 10, 2002
Pears, Bartlett	15,000	14,000	18.80	16.90	282.0	237.0	-16	June 12, 2002
Pears, Other	4,300	4,300	6.98	6.98	30.0	30.0	N/C	August 12, 2002
Prunes (Dried Weight) ^{5/}	86,000	86,000	2.55	1.72	219.0	148.0	-32	May 31, 2002
BERRIES								
	2000	2001	2000	2001	2000	2001		
			Cwt.		1,000 Cwt.			
Strawberries	27,600	26,400	590	525	16,284	13,860	-15	December 10, 2002
CITRUS CROPS ^{6/}								
	2000-01	2001-02	2000-01	2001-02	2000-01	2001-02		
			Cartons		1,000 Cartons			
Grapefruit	15,400	15,000	844	805	13,000	12,400	-5	April 10, 2002
Lemons	49,500	49,500	917	889	45,400	44,000	-3	April 10, 2002
Oranges, Navel	128,000	128,000	563	500	72,000	64,000	-11	April 10, 2002
Oranges, Valencia	66,500	66,500	692	662	46,000	44,000	-4	April 10, 2002
Tangerines ^{7/}	8,800	9,000	477	523	4,200	4,600	10	April 10, 2002

^{1/} Almond Subjective Forecast Report released May 9 at 12:00 PM. Almond Objective Measurement Report released June 27 at 12:00 PM.

^{2/} Pistachio Objective Measurement Report released August 29 at 12:00 PM.

^{3/} Walnut Objective Measurement Report released September 5 at 12:00 PM.

^{4/} The Raisin Industry Diversion Program (RID) had zero acreage enrolled for 2000, but 41,000 acres for 2001.

^{5/} Prune Forecast Report released May 31 at 12:00 PM.

^{6/} Grapefruit -- 33.5 lbs. per carton; Lemons -- 38.0 lbs. per carton; Oranges -- 37.5 lbs. per carton; Tangerines -- 37.5 lbs. per carton.

^{7/} 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	
	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
	Acres				Cwt.		1,000 Cwt.		Dollars		1,000 Dollars	
California	27,600	26,400	27,600	26,400	590	525	16,284	13,860	51.60	60.70	839,926	841,031
Florida	6,300	6,500	6,300	6,500	350	260	2,205	1,690	76.00	99.00	167,580	167,310
Michigan	1,200	1,000	1,200	1,000	69	58	83	58	74.00	94.50	6,145	5,482
New Jersey	500	500	450	400	36	45	16	18	94.00	72.20	1,504	1,300
New York	1,700	1,700	1,600	1,600	41	38	65	60	105.00	118.00	6,825	7,080
North Carolina	1,800	1,800	1,700	1,700	135	115	231	196	75.00	85.00	17,325	16,660
Ohio	1,200	1,200	1,000	1,000	44	46	44	46	108.00	105.00	4,752	4,830
Oregon	4,100	3,800	3,500	3,100	100	130	353	402	49.50	37.70	17,491	15,164
Pennsylvania	1,300	1,300	1,300	1,300	50	66	65	86	108.00	110.00	7,020	9,460
Virginia	500	500	500	500	110	82	54	41	105.00	124.00	5,670	5,084
Washington	1,500	1,600	1,500	1,600	86	100	129	160	52.50	43.43	6,776	6,944
Wisconsin	1,200	1,100	1,000	1,000	44	46	44	46	104.00	110.00	4,576	5,060
U.S. Total	48,900	47,400	47,650	46,100	411	361	19,573	16,663	55.50	65.10	1,085,590	1,085,405

BERRIES: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE BY CROP, STATE AND UNITED STATES, 1999-01

Crop, State and Year		Area Harvested	Yield Per Acre ^{1/}	Total Production	Price Per Pound	Total Value of Production
		Acres	Pounds	1,000 Lbs.	Dollars	\$1,000
Boysenberries						
California	1999	300	9,330	2,800	0.824	2,308
	2000	260	9,620	2,500	0.824	2,061
	2001	230	8,260	1,900	0.816	1,550
Oregon	1999	1,400	5,000	7,000	0.658	4,609
	2000	1,450	4,480	6,500	0.487	3,164
	2001	1,380	2,970	4,170	0.630	2,583
United States	1999	1,700	5,760	9,800	0.706	6,917
	2000	1,710	5,260	9,000	0.581	5,225
	2001	1,610	3,730	6,070	0.689	4,133
Black Raspberries						
Oregon	1999	1,100	2,640	2,900	1.890	5,486
	2000	1,150	3,330	3,830	1.480	5,687
	2001	1,200	3,180	3,950	0.452	1,724
Red Raspberries						
Oregon	1999	3,000	4,550	13,650	0.706	9,636
	2000	2,900	5,000	14,500	0.532	7,712
	2001	2,700	5,890	15,900	0.513	8,156
Washington	1999	9,500	7,300	71,350	0.696	48,291
	2000	9,500	7,500	72,150	0.363	25,888
	2001	9,500	7,900	76,050	0.503	37,784
United States	1999	12,500	6,640	85,000	0.698	57,927
	2000	12,400	6,920	86,650	0.392	33,600
	2001	12,200	7,450	91,950	0.505	45,940
All Raspberries						
California	1999	1,800	11,600	20,800	1.470	30,604
	2000	2,000	10,800	21,600	1.870	40,392
	2001	2,300	9,220	21,200	2.130	45,156

^{1/} Yields based on utilized production.

FINAL GRAPE CRUSH REPORT

The 2001 crush totaled 3,369,505.2 tons, down 15 percent from the record 2000 crush of 3,951,185 tons. Red wine varieties accounted for the largest share of all grapes crushed, at 1,708,403 tons, down 6 percent from 2000. The 2001 white wine variety crush totaled 1,299,737 tons, down 14 percent from 2000. Tons crushed of raisin type varieties totaled 261,263, down 49 percent from 2000, while tons crushed of table type varieties totaled 100,103 down 16 percent from 2000. (See chart to the right.)

Beginning with the 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 2001 season, this total was 536,614 tons, approximately 16 percent of the 2001 grape crush total. This report provides only the aggregate figure for grapes crushed for concentrate production and does not include information by district, type, or variety.

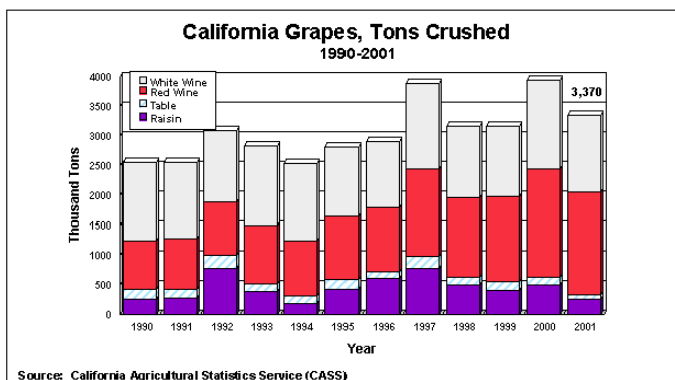
California grape growers received prices in 2001 for raisin, table, and white wine grapes that were, on average, less than the 2000 prices, while the prices received for red were, on average, above the 2000 prices. The 2001 average price of all varieties was \$553.49, up 10 percent from 2000. Average prices for the 2001 crop by type were as follows: red wine grapes, \$678.50, up 8 percent from 2000; white wine grapes, \$490.88, down 2 percent from 2000; raisin grapes, \$85.65, down 32 percent; and table grapes, \$87.16, down 26 percent. These price levels have not been adjusted for inflation.

LEADING GRAPE VARIETIES AND DISTRICTS

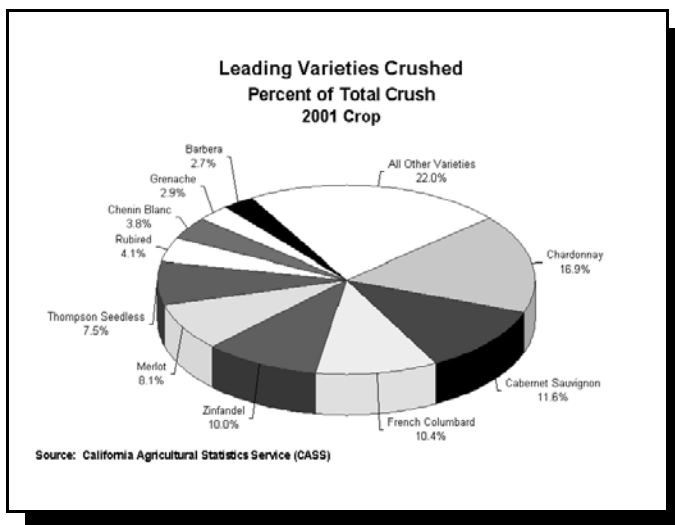
In 2001, Chardonnay accounted for the largest percentage of crush volume with 17 percent. Cabernet Sauvignon accounted for the second leading percentage of crush with 12 percent of the total crush. The next eight highest percentages of grapes crushed, with the exception of Thompson Seedless, were all wine varieties

Grapes produced in District 4 (Napa County) received the highest average price of \$2,827.27 per ton, up 15 percent from 2000. District 3 (Sonoma and Marin counties) received the second highest return of \$2,156.83, up 6 percent from 2000. Of the grapes grown Statewide, Negrette received the highest average price of \$2,142.58 ^{1/} per ton followed by Vernaccia with \$2,033.32 ^{1/} per ton. Marechal Foch, Blaufrankisch, and De Chaunac rounded out the top five highest average prices with \$2,000.00 ^{1/} per ton each. The 2001 Chardonnay price of \$845.60 was down 6 percent from 2000, while the 2001 Cabernet Sauvignon price of \$1,070.97 was up 2 percent from 2000. The 2001 average price for Merlot and Zinfandel grapes increased to \$1,002.40 and \$520.87, up 5 percent and 12 percent from 2000, respectively.

^{1/} These purchases involved less than 50 tons.



Source: California Agricultural Statistics Service (CASS)



Source: California Agricultural Statistics Service (CASS)

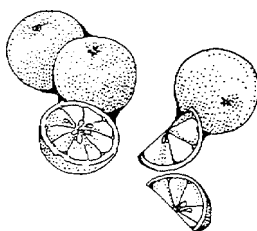
CALIFORNIA GRAPE CRUSH TONNAGE AND PRICE, 1988-01

Crop Year	Raisin Type		Table Type		Red Wine Type		White Wine Type		All Types	
	Tons (1,000)	Dollars Per Ton	Tons (1,000)	Dollars Per Ton	Tons (1,000)	Dollars Per Ton	Tons (1,000)	Dollars Per Ton	Tons (1,000)	Dollars Per Ton
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
2000	513	125	120	118	1,816	628	1,503	500	3,951	504
2001	261	86	100	87	1,708	679	1,300	491	3,370	553

Source: California Agricultural Statistics Service (CASS)

FLORIDA CITRUS COMMENTS

February was wetter than normal in Florida's Citrus Belt. These moist conditions provided almost ideal conditions for the upcoming bloom period. Temperatures were cool with a few mornings in the lower thirties. There was no serious damage to citrus from the cold. Currently the citrus trees are covered with feathery new growth and bloom buds of all sizes. A few trees in the southern part of the State are in full open bloom. Harvest of early and mid-season oranges slowed toward the end of the month as supplies were running low. Picking crews rapidly shifted to the late season Valencia oranges, which are being utilized for both fresh and processing. Grapefruit, Temples and Honey tangerines are also being shipped and sent to the juice plants. Caretakers have been busy fertilizing prior to the bloom period. Hedging and topping of harvested groves continues in all areas. Dead trees are being pushed out and burned. There have been many reports of new trees being planted in the southern counties.



CITRUS FRUIT PRODUCTION

Crop & State	1999-00	2000-01	Forecast 2001-02
	1,000 Cartons		
ORANGES: 1/			
California, All	128,000	118,000	108,000
Navel & Misc.	80,000	72,000	64,000
Valencia	48,000	46,000	44,000
Florida	466,000	446,600	456,000
Texas	3,320	4,470	3,800
Arizona	2,200	1,800	1,400
ALL U.S. ORANGES	599,520	570,870	569,200
GRAPEFRUIT: 2/			
California, All	14,400	13,000	12,400
Florida	106,800	92,000	94,000
Texas	11,860	14,400	14,600
Arizona	900	500	400
ALL U.S. GRAPEFRUIT	133,960	119,900	121,400
LEMONS: 4/			
California	38,000	45,400	44,000
Arizona	6,200	7,200	6,200
ALL U.S. LEMONS	44,200	52,600	50,200
TANGERINES: 5/			
California 6/	5,000	4,200	4,600
Florida	14,000	11,200	12,800
Arizona	1,700	1,300	1,300
ALL U.S. TANGERINES	20,700	16,700	18,700

- 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.