

# California Fruit & Nut Review



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## HIGHLIGHTS IN THIS ISSUE:

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## MARCH CROP COMMENTS

Seasonal cultural activities such as weed control, cultivation, and irrigation continued in orchards and vineyards. New orchards and vineyards were being planted where older plantings had been removed. Grape growers irrigated, mowed cover crops, cultivated, and applied herbicides in vineyards. Grape pruning and vine tying was winding down by mid-March. Bud break occurred in grape vineyards; new shoots were

growing rapidly by month's end. Stone fruit orchards went from bloom, to leafing out, to setting fruit by the end of the month. Most almond orchards were fully leafed and developing well by month's end. Freeze damage reportedly occurred in early March in Sacramento Valley almonds orchards. Walnut and pecan trees began pushing buds. Strawberry plants were spreading and blooming; fields were irrigated and weeded. Strong spring growth was noted in citrus orchards due to the warm weather late in March. The Navel orange harvest continued throughout the month. Early variety Valencia oranges were harvested in Fresno, Tulare, and Kern County orchards. Grapefruit picking was ongoing in the desert and 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		
<b>NUT CROPS</b>	Acres		Pounds		1,000 Pounds			
Almonds (Shelled) <sup>1/</sup>	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 <sup>2/</sup>	74,600	78,000	3,260	2,060	243,000	161,000	-34	September 5, 2002
			Tons		1,000 Tons			
Walnuts (In-Shell) <sup>3/</sup>	193,000	196,000	1.24	1.56	239.0	305.0	28	September 5, 2002
<b>FRUIT CROPS</b>								
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 <sup>4/</sup>	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	458,000	480,000	7.34	6.46	3,364.0	3,100.0	-8	July 11, 2002
Grapes, All <sup>4/</sup>	827,000	851,000	8.54	7.32	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) <sup>5/</sup>	86,000	86,000	2.55	1.72	219.0	148.0	-32	May 31, 2002
<b>BERRIES</b>	2001	2002	2001	2002	2001	2002		
			Cwt.		1,000 Cwt.			
Strawberries	26,400	28,500	525	490	13,860	13,965	1	December 10, 2002
<b>CITRUS CROPS <sup>6/</sup></b>	2000-01	2001-02	2000-01	2001-02	2000-01	2001-02		
			Cartons		1,000 Cartons			
Grapefruit	15,400	15,000	844	831	13,000	12,800	-2	July 11, 2002
Lemons	49,500	49,500	917	889	45,400	44,000	-3	July 11, 2002
Oranges, Navel	128,000	128,000	563	500	72,000	64,000	-11	July 11, 2002
Oranges, Valencia	66,500	66,500	632	692	42,000	46,000	10	July 11, 2002
Tangerines <sup>7/</sup>	8,800	9,000	477	523	4,200	4,600	10	July 11, 2002

<sup>1/</sup> Almond Subjective Forecast Report released May 9 at 12:00 PM. Almond Objective Measurement Report released June 27 at 12:00 PM.

<sup>2/</sup> Pistachio Objective Measurement Report released August 29 at 12:00 PM.

<sup>3/</sup> Walnut Objective Measurement Report released September 5 at 12:00 PM.

<sup>4/</sup> The Raisin Industry Diversion Program (RID) had zero acreage enrolled for 2000, but 41,000 acres for 2001.

<sup>5/</sup> Prune Forecast Report released May 31 at 12:00 PM.

<sup>6/</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>7/</sup> Includes tangelos, tangerines and tangors.

**Navel Oranges** - The 2001-02 Navel orange forecast is 64.0 million cartons, unchanged from the January 2002 forecast, but down 11 percent from last season's crop. Harvesting of Navels is expected to reach an early conclusion this season. While overall production is down from last year, the harvested fruit is larger than in previous years.

**Valencia Oranges** - The 2001-02 Valencia orange forecast is 46.0 million cartons, up 10 percent from the 2000-01 production and up 5 percent from the January 2002 forecast. Recent Santa Ana winds caused scarring on some of the southern crop. Production in the Central Valley is well underway, and fruit quality is reported to be good.

**Grapefruit** - The 2001-02 California grapefruit forecast is estimated at 12.8 million cartons, down 2 percent from the 2000-01 production, but up 3 percent from the January 2002 forecast. Harvest of Rio Red and Marsh Ruby grapefruit continued in the desert. The Rio Red exterior quality is excellent, with a uniform shape, and smooth texture in nearly all sizes. The Marsh Ruby exterior quality is good-to-excellent, with a normal shape, while texture is smooth-to-pebbly in the larger sizes.

**Lemons** - The 2001-02 California lemon forecast is 44.0 million cartons, down 3 percent from the 2000-01 season, but unchanged from the January 2002 forecast. Harvest continued in the Central Valley, but is winding down. Quality and color remained good. Fruit growth has been hampered as reported sizes were medium-to-small due to lack of rain this season. The Southern Coastal harvest is approximately 40 percent complete, with predominating colors of silver and light green. Quality has diminished due to Santa Ana winds and spotty frost damage. The Desert Valley harvest was virtually complete for the season and packed grades have been very good.

**Tangerines** - The 2001-02 California tangerine forecast is 4.60 million cartons, up 10 percent from last season's crop, but unchanged from the January forecast. The season has progressed well with no major problems to date. The Central Valley harvest continued, with Minneola the dominant variety harvested; quality and color were good. The Desert Valley harvest neared completion.

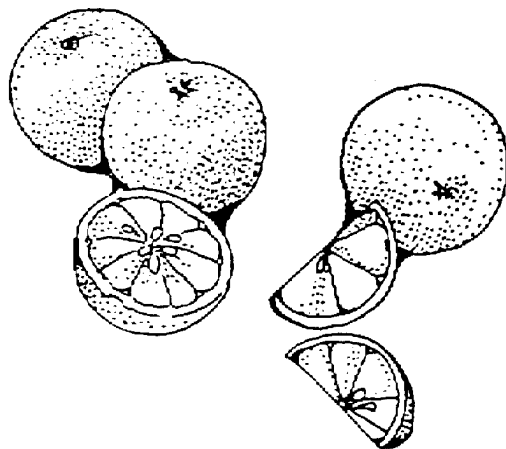
**FLORIDA CITRUS**

March was generally drier, windier, and warmer than normal. Only a few coastal counties had average rainfall. However, virtually every other location reported below normal rainfall during the month. Growers have been using all types of irrigation equipment to try to keep their trees in good condition during March's bloom cycle. By the end of the month, the bloom had been completed. Most well cared for groves and trees are in very good condition. Many older groves having sour orange rootstock had a lot of dead trees infected with the citrus Tristeza virus. This disease has been very active in the older citrus growing locations of Florida, where sour orange rootstock was widely used. Harvest of early and mid-season oranges was completed by the last of the month. As the early oranges were running out, movement of the late-type Valencia rapidly increased with most of these going to the processors. Grapefruit movement also increased during March, as there was additional labor available from the completed early orange crews. Temple, tangerine, and tangelo harvests slowed by the end of the month as supplies were running low. Caretakers have been active cutting cover crops, hedging, topping, pushing, and burning dead trees. Resets are being planted in some of the larger groves.

**CITRUS FRUITS PRODUCTION BY STATE AND U.S.**

Crop and State	1999-00	2000-01	2001-02 Forecast
	1,000 Cartons		
<b>ORANGES: 1/</b>			
California, All	128,000	114,000	110,000
Navel and Misc.	80,000	72,000	64,000
Valencia	48,000	42,000	46,000
Florida	466,000	446,600	456,000
Texas	3,320	4,470	3,500
Arizona	2,200	1,800	1,300
ALL U.S. ORANGES	599,520	566,870	570,800
<b>GRAPEFRUIT: 2/</b>			
California, All	14,400	13,000	12,800
Florida	106,800	92,000	94,000
Texas	11,860	14,400	14,200
Arizona	900	500	400
ALL U.S. GRAPEFRUIT	133,960	119,900	121,400
<b>LEMONS: 3/</b>			
California	38,000	45,400	44,000
Arizona	6,200	7,200	6,200
ALL U.S. LEMONS	44,200	52,600	50,200
<b>TANGERINES: 4/</b>			
California 5/	5,000	4,200	4,600
Florida	14,000	11,200	13,200
Arizona	1,700	1,300	1,300
ALL U.S. TANGERINES	20,700	16,700	19,100

- 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/ LEMONS: All, 1 carton = 38 lbs.
- 4/ TANGERINES: California and Arizona, 1 carton = 37.5 lbs.; Florida, 1 carton = 47.5 lbs.
- 5/ Includes tangelos, tangerines, and tangors.



**Strawberries** - The 2002 California strawberry production forecast is 14.0 million cwt., up 1 percent from the 2001 crop of 13.9 million cwt. Harvested acreage is estimated at 28,500, with a resulting yield of 490 cwt. per acre.

**FRESH FRUIT: UNITED STATES PER CAPITA CONSUMPTION, 1979 TO DATE 1/**

Year 2/	CITRUS FRUIT					TOTAL CITRUS 3/	NON-CITRUS FRUIT					
	Oranges & Temples	Tangerines, Tangelos, & Mandarins	Lemons	Limes	Grapefruit		Apples	Apricots	Avocados	Bananas	Cherries	Cranberries
Pounds												
1979	11.5	2.0	1.9	0.3	7.3	23.0	17.1	0.1	1.3	21.0	0.7	0.1
1980	14.3	2.2	1.9	0.4	7.3	26.1	19.2	0.1	0.8	20.8	0.7	0.1
1981	12.4	2.0	2.0	0.4	6.7	23.5	16.8	0.1	2.1	21.5	0.5	0.2
1982	11.7	2.1	2.1	0.4	7.2	23.4	17.5	0.1	1.5	22.5	0.5	0.2
1983	15.0	2.2	2.3	0.5	7.8	28.0	18.3	0.1	1.8	21.3	0.7	0.1
1984	11.9	2.1	2.2	0.5	6.0	22.5	18.4	0.1	2.2	22.2	0.7	0.1
1985	11.6	1.5	2.3	0.6	5.5	21.5	17.3	0.2	1.8	23.5	0.4	0.1
1986	13.4	1.6	2.5	0.6	6.1	24.2	17.8	0.1	1.5	25.8	0.5	0.1
1987	12.8	1.8	2.5	0.5	6.3	23.9	20.8	0.1	2.3	25.0	0.7	0.1
1988	13.9	1.8	2.5	0.6	6.7	25.4	19.8	0.2	1.6	24.3	0.5	0.1
1989	12.2	1.7	2.4	0.7	6.6	23.6	21.2	0.1	1.6	24.7	0.5	0.1
1990	12.4	1.3	2.6	0.7	4.4	21.4	19.6	0.2	1.1	24.4	0.4	0.1
1991	8.4	1.4	2.6	0.8	5.9	19.0	18.1	0.1	1.4	25.0	0.4	0.1
1992	12.8	1.9	2.5	1.0	5.9	24.2	19.1	0.2	1.4	27.1	0.5	0.1
1993	14.1	1.9	2.6	1.0	6.2	25.8	19.0	0.1	2.2	26.6	0.4	0.1
1994	12.9	2.1	2.7	1.0	6.1	24.7	19.4	0.1	1.3	27.8	0.5	0.1
1995	11.8	2.0	2.8	1.2	6.0	23.8	18.7	0.1	1.4	27.1	0.3	0.1
1996	12.6	2.2	2.9	1.1	5.8	24.6	18.6	0.1	1.6	27.6	0.4	0.1
1997	13.9	2.5	2.7	1.1	6.2	26.5	18.1	0.1	1.6	27.2	0.6	0.1
1998	14.6	2.2	2.5	1.4	5.9	26.6	19.0	0.1	1.7	28.0	0.5	0.1
1999	8.4	2.2	2.6	1.3	5.8	20.3	18.5	0.1	1.5	30.7	0.6	0.1
2000	11.7	2.8	2.4	1.3	5.1	23.4	17.4	0.2	1.9	28.4	0.6	0.1
Year 2/	NON-CITRUS FRUIT CONTINUED										TOTAL NON-CITRUS 3/	TOTAL FRUIT 3/
	Grapes	Kiwifruit 4/	Mangos	Peaches & Nectarines	Pears	Pineapples	Papayas	Plums & Prunes	Strawberries			
Pounds												
1979	3.4	N/A	0.2	6.7	2.3	1.5	0.2	1.6	1.9	58.0	81.0	
1980	4.0	N/A	0.3	7.1	2.6	1.5	0.2	1.5	2.0	60.8	86.9	
1981	4.1	N/A	0.2	6.9	2.8	1.5	0.2	1.7	2.2	60.8	84.3	
1982	5.7	0.1	0.3	5.3	2.8	1.7	0.2	1.1	2.4	61.9	85.3	
1983	5.6	0.1	0.4	5.4	3.0	1.7	0.2	1.4	2.3	62.4	90.4	
1984	6.1	0.2	0.4	6.7	2.5	1.5	0.3	1.8	3.0	66.1	88.7	
1985	6.8	0.1	0.4	5.5	2.8	1.5	0.2	1.4	3.0	65.0	86.5	
1986	7.1	0.1	0.5	5.8	3.0	1.7	0.2	1.3	2.9	68.5	92.7	
1987	7.0	0.3	0.6	6.0	3.5	1.6	0.2	1.9	3.1	73.3	97.2	
1988	7.7	0.2	0.4	6.7	3.2	1.8	0.2	1.7	3.3	71.7	97.1	
1989	7.9	0.3	0.5	5.9	3.2	2.0	0.1	1.4	3.3	72.8	96.4	
1990	7.9	0.5	0.5	5.5	3.2	2.1	0.2	1.5	3.2	70.3	91.7	
1991	7.2	0.4	0.9	6.4	3.1	1.9	0.2	1.4	3.6	70.3	89.3	
1992	7.1	0.4	0.7	6.0	3.1	2.0	0.2	1.8	3.6	73.4	97.6	
1993	7.0	0.6	0.9	5.8	3.3	2.0	0.3	1.3	3.6	73.3	99.1	
1994	7.2	0.6	1.0	5.4	3.4	2.0	0.3	1.6	4.0	74.8	99.6	
1995	7.4	0.6	1.1	5.3	3.4	1.9	0.4	0.9	4.1	72.7	96.5	
1996	6.8	0.5	1.3	4.4	3.0	1.9	0.5	1.4	4.3	72.6	97.2	
1997	7.9	0.5	1.4	5.5	3.4	2.3	0.5	1.5	4.1	74.8	101.3	
1998	7.1	0.6	1.5	4.8	3.3	2.8	0.5	1.2	3.9	75.0	101.6	
1999	8.0	0.6	1.6	5.4	3.3	3.0	0.6	1.3	4.4	79.8	100.1	
2000	7.3	0.6	1.8	5.4	3.2	3.2	0.7	1.2	4.7	76.6	100.1	

1/ All non-citrus fruit data are on calendar-year basis, except apples (year begins in August of year shown), grapes, and pears (year begins in July). For oranges, Temples, tangerines, tangelos, and Mandarins the year begins in July; grapefruit, lemons, and limes begin in January.

2/ Preliminary 2000 figures.

3/ Some figures may not add due to rounding.

4/ Reporting began in 1982.

**SOURCE:** Economic Research Service, USDA.