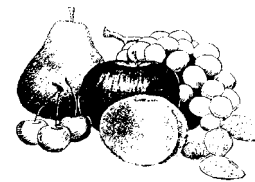


# California Fruit & Nut Review



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## JUNE CROP COMMENTS

Fruit growers conducted summer cultural activities that included weed control, fungicide application, cultivation and irrigation in orchards and vineyards. Stone fruit orchards continued to produce an abundance of fruit for harvesting. Thinning of late season stone fruit varieties was completed during the first week in June. Picking of many fruit crops was active throughout the month. Rose Diamond, Royal Glo and Diamond Bright nectarines, Brittney Lane and Crimson Lady peaches, Red Beaut and Earliqueen plums, Flavorosa pluots, and Patterson apricots were picked and packed. Picking of Clingstone peaches began in the Kingsburg area toward the middle of June. Cherry harvest neared completion by month's end. Tender grape leaves were harvested from a few select vineyards for culinary use. Grapes for fresh use were harvested in the Coachella Valley. Flame Seedless, Black Beauty Seedless and Thompson Seedless were the primary varieties harvested.

Robust growth of raisin, wine, and table grape vineyards continued; vineyards were irrigated, cultivated, and treated with insecticides as needed. Table grape growers continued to thin shoots and fruit clusters. Apple orchards were treated for codling moths. Prune orchards were treated for weeds. Picking of strawberries had ended in most parts of the Central Valley by the end of June. Boysenberries, raspberries, blueberries, and figs were harvested in the San Joaquin Valley. Olive growers treated their orchards to control the olive fruit fly. Bloom was nearly over in pomegranate orchards by mid-month; fruit was rapidly gaining size in the warm weather as the month progressed. Almonds were maturing well throughout the month. Heavily laden branches were propped up in some orchards. Orchard floors were treated to control weeds in a few areas. Walnut and pistachio orchards continued to exhibit good crop development. Irrigation and weed control treatments were ongoing. Growers treated pecan trees for aphids, and walnut trees for codling moths and mites. Foliar feeding, irrigation, and thrip spraying was underway in many citrus orchards. Navel orange harvesting was mostly complete, but a few handlers were still trying to finish up the season. Valencia harvesting continued. Lemons were harvested in Ventura County. Grapefruit were harvested in the southern coastal areas.

## FRUIT AND NUT STATISTICS AT A GLANCE

Crop	Bearing Acreage		Yield Per Acre		Estimated Production		Production Percent Change	Next Crop Update
	2002	2003	2002	2003	2002	2003		
<b>NUT CROPS</b>	Acres		Pounds		1,000 Pounds			
Almonds (Shelled)	530,000	530,000	2,060	1,890	1,090,000	1,000,000	-8	January 2004
Pecans	2,600	---	1,380	---	3,600	---		October 10, 2003
Pistachio (In-Shell)								
Marketable In-Shell	---	---	---	---	240,000	---		
Shelling Stock	---	---	---	---	60,000	---		
Total <sup>1/</sup>	83,000	---	3,610	---	300,000	---		July 31, 2003
			Tons		1,000 Tons			
Walnuts (In-Shell) <sup>2/</sup>	200,000	---	1.41	---	282.0	---		September 3, 2003
<b>FRUIT CROPS</b>	Acres				1,000 Tons			
Apples	26,000	---	8.08	---	210.0	---		August 12, 2003
Apricots	17,000	16,500	5.00	5.15	85.0	85.0	N/C	January 2004
Cherries	26,000	27,000	2.13	2.22	55.5	60.0	8	January 2004
Grapes, Raisin <sup>3/</sup>	246,000	255,000	11.50	9.80	2,833.0	2,500.0	-12	August 12, 2003
Grapes, Table	88,000	89,000	8.40	8.31	739.0	740.0	N/C	August 12, 2003
Grapes, Wine	486,000	479,000	6.48	6.37	3,149.0	3,050.0	-3	August 12, 2003
Grapes, All <sup>3/</sup>	820,000	823,000	8.20	7.64	6,721.0	6,290.0	-6	August 12, 2003
Olives	36,000	---	2.75	---	99.0	---		August 12, 2003
Peaches, Clingstone	31,000	31,300	18.10	18.80	562.0	590.0	5	January 2004
Peaches, Freestone	39,000	39,000	10.20	9.87	398.0	385.0	-3	January 2004
Pears, Bartlett	13,500	12,500	19.60	18.80	264.0	235.0	-11	August 12, 2003
Pears, Other	4,300	---	6.98	---	30.0	---		August 12, 2003
Prunes (Dried Weight) <sup>4/</sup>	74,000	72,000	2.31	2.64	171.0	190.0	11	January 2004
<b>BERRIES</b>			Cwt.		1,000 Cwt.			
Strawberries	28,500	29,600	595	600	16,957	17,760	5	December 11, 2003
<b>CITRUS CROP <sup>5/</sup></b>	2001-02	2002-03	2001-02	2002-03	2001-02	2002-03		
			Cartons		1,000 Cartons			
Grapefruit	14,000	13,000	857	862	12,000	11,200	-7	September 18, 2003
Lemons	49,500	49,000	768	939	38,000	46,000	21	September 18, 2003
Oranges, Navel	128,000	127,500	531	627	68,000	80,000	18	September 18, 2003
Oranges, Valencia	66,500	64,000	617	688	41,000	44,000	7	September 18, 2003
Tangerines <sup>6/</sup>	9,000	9,200	489	543	4,400	5,000	14	September 18, 2003

<sup>1/</sup> Pistachio Acreage and Pistachio Objective Measurement reports will be released July 31, 2003 at 12:00 p.m.

<sup>2/</sup> Walnut Objective Measurement Report will be released September 3, 2003 at 12:00 p.m.

<sup>3/</sup> The Raisin Industry Diversion Program (RID) had 27,000 acres enrolled for 2002, but zero acreage in 2003. RID acreage is deducted from bearing acreage.

<sup>4/</sup> Estimated production was revised for 2002.

<sup>5/</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>6/</sup> Includes tangelos, tangerines and tangors.

**Grapes** - California all grape production is forecast at 6.29 million tons, down 6 percent from last year. Specifically, the wine grape production is estimated at 3.05 million tons, down 3 percent from last season's crop. The expected table grape production is 740 thousand tons, up slightly from 2002, while the raisin grape production is forecast at 2.50 million tons, down 12 percent from last year. Mild May temperatures helped the crop get off to a good start. Production outlook of the crop varies depending on variety and location. Overall, quality and color are expected to be very good.

**Apricots** - California's apricot production is forecast at 85,000 tons. This is unchanged from both the June 2003 forecast and last year's crop. Cooler weather hampered fruit growth and maturity of early apricots. However, late rains increased the size of later apricots compared to last year. Warmer weather early in the harvest period helped apricots gain color. Cooler temperatures throughout harvesting helped to slow fruit maturation. Harvesting will be finished by the middle of July.

**Peaches** - The 2003 California Freestone peach crop is forecast at 385,000 tons, unchanged from the June 2003 forecast, but down 3 percent from the 2002 crop. Freestone peach harvest is progressing well with approximately 35 percent of the harvest completed by the end of June. The California Clingstone peach crop is forecast at 575,000 tons, up 2 percent from last year. The July forecast excludes tonnage that will not be harvested because of a green-drop program initiated by the peach industry. Clingstone peach harvest began in the Kingsburg area on June 19.

**Grapefruit** - The 2002-03 California grapefruit forecast is estimated at 11.2 million cartons, unchanged from the April forecast, but down 7 percent from the 2001-02 production. The Star Ruby and Marsh Ruby grapefruit harvests were ongoing in the coastal areas of the State. Shape is normal and uniform. Texture is smooth in all but the largest sizes. Flavor and eating quality are excellent.

**Lemons** - The 2002-03 California lemon forecast is 48.0 million cartons, up 4 percent from April and up 26 percent from the 2001-02 production. Quality and color of fruit remain good. Harvest remains active in the Southern Coastal regions while storage levels remain high.

**Oranges** - The 2002-03 California Navel orange forecast is 80.0 million cartons, up 18 percent from the 2001-02 production. Harvesting of the 2002-03 Navel crop has all but ended, though a few shippers were still moving late varieties at the end of June. Overall crop quality was good, though smaller fruit sizes were noted. Puff, staining, rind breakdown, and internal drying were among the defects observed recently. The Valencia orange forecast is 42.0 million cartons, up 2 percent from last season. Valencia orange harvesting continues, but had been slow due to low demand and a lack of adequately sized fruit. Overall crop quality has thus far been good, but smaller fruit sizes have been reported in many areas. In addition, some instances of re-greening have been noted, and the Southern California crop has suffered wind scarring.

**FRUIT PRODUCTION FORECAST, BY STATE AND U.S.**

Crop and State	2001	2002	Forecast 2003
	Tons		
<b>APRICOTS</b>			
California	77,000	85,000	85,000
Utah	260	140	100
Washington	5,200	4,900	5,300
U.S. TOTAL	82,460	90,040	90,400
<b>CHERRIES, SWEET</b>			
California	55,300	55,500	60,000
Michigan	23,000	2,700	9,000
Oregon	40,000	31,000	40,000
Washington	106,000	86,000	95,000
Other States <sup>1/</sup>	6,080	5,025	7,340
U.S. TOTAL	230,380	180,225	211,340
<b>PEACHES</b>			
California			
Freestone	387,500	398,000	385,000
Clingstone <sup>2/</sup>	476,000	562,000	575,000
Illinois	8,900	8,600	9,350
Michigan	21,000	7,000	21,000
New Jersey	37,500	31,000	40,000
Pennsylvania	37,500	30,000	35,000
Virginia	4,000	3,500	4,000
Washington	27,500	33,000	30,000
Southern States <sup>3/</sup>	160,950	160,750	152,250
Other States <sup>4/</sup>	55,800	53,850	59,950
U.S. TOTAL	1,216,650	1,287,700	1,311,550

<sup>1/</sup> ID, MT NY, PA, and UT.

<sup>2/</sup> California Clingstone is over the scale tonnage and includes culls and cannery diversions.

<sup>3/</sup> AL, AR, GA, LA, NC, OK, SC, and TX.

<sup>4/</sup> CO, CT, ID, IN, KY, MD, MA, MO, NY, OH, OR, TN, UT. and WV.

**CITRUS FRUIT PRODUCTION FORECAST, BY STATE AND U.S.**

Crop and State	2000-01	2001-02	Forecast 2002-03
	1,000 Cartons		
<b>ORANGES: <sup>1/</sup></b>			
California, All	109,000	109,000	122,000
Navel and Misc.	71,000	68,000	80,000
Valencia	38,000	41,000	42,000
Florida	446,600	460,000	405,400
Texas	4,470	3,480	3,140
Arizona	1,800	1,040	900
U.S. TOTAL	561,870	573,520	531,440
<b>GRAPEFRUIT: <sup>2/</sup></b>			
California	12,600	12,000	11,200
Florida	92,000	93,400	77,400
Texas	14,400	11,800	11,300
Arizona	500	320	200
U.S. TOTAL	119,500	117,520	100,100
<b>LEMONS: <sup>3/</sup></b>			
California	45,200	38,000	48,000
Arizona	7,200	5,600	6,000
U.S. TOTAL	52,400	43,600	54,000
<b>TANGERINES: <sup>4/</sup></b>			
California <sup>5/</sup> <sup>6/</sup>	4,400	4,400	5,000
Florida <sup>7/</sup>	11,200	13,200	11,000
Arizona <sup>5/</sup>	1,300	1,240	800
U.S. TOTAL	16,900	18,840	16,800

<sup>1/</sup> ORANGES: California and Arizona, 1 carton = 37.5 lbs.; Florida, 1 carton = 45 lbs.; Texas, 1 carton = 42.5 lbs.

<sup>2/</sup> GRAPEFRUIT: Arizona, 1 carton=32 lbs.; California, 1 carton = 33.5 lbs.; Florida, 1 carton = 42.5 lbs.; Texas, 1 carton = 40 lbs.

<sup>3/</sup> LEMONS: All, 1 carton = 38 lbs.

<sup>4/</sup> TANGERINES: California and Arizona, 1 carton = 37.5 lbs.; Florida, 1 carton = 47.5 lbs.

<sup>5/</sup> Includes tangelos, tangerines, and tangors.

<sup>6/</sup> Estimate for current year carried forward from earlier forecast.

<sup>7/</sup> Data for 2000-01 through 2001-02 includes Robinson, Fallglo, Sunburst, Dancy, and Honey varieties. Data for 2002-03 includes Fallglo, Sunburst, and Honey varieties only.

**FLORIDA CITRUS**

Rainfall during June was above average in virtually all citrus growing areas. Some areas had too much rainfall, making removal of excess amounts a high priority. The rains were spread over most of the month with the middle two weeks providing the most. Lower West coast and interior areas received the most rain with some areas recording up to 20 inches in the two-week period. Many growers and caretakers were able to discontinue use of their irrigation equipment during most of the month. Trees in the well-cared-for groves are in very good condition because of the frequent rains. The spring flush of new growth has hardened up and the older trees are ready to produce their summer flush. Some younger trees are flush with new growth now. New crop fruit is progressing very well with good sizes reported. Harvest of Valencia oranges declined through most of June

with most processing plants now closed. Grapefruit harvest was finished near the first of the month as most of the fresh fruit packing houses were closing. Honey Tangerine harvest was over for the year by the beginning of the month. Caretakers were very active during June mowing, chopping, and discing cover crops that are growing vigorously because of the rains. Hedging and topping had slowed during the month. Summer sprays and fertilizations are currently being applied. Dead trees are being pushed out and burned. New resets are being planted in larger groves with permanent irrigation. Summer herbicides are being applied where weed growth has gotten out of hand. Growers are cutting vines out of their trees where they have grown out of control.



**CALIFORNIA ALMOND O.M. FORECAST, 2003**

California's 2003 almond production is forecast at 1.00 billion meat pounds, up 9 percent from May's subjective forecast, but down 8 percent from last year's record crop. The forecast is based on 530 thousand bearing acres. Production for the Nonpareil variety is forecast at 350 million meat pounds, down 20 percent from last season. The Nonpareil variety represents 35 percent of California's total almond production.

Weather during the bloom was less than ideal this year due to continued instances of rain and cool temperatures, but overall the bloom weather was better than initially expected. The sets for most almond varieties are generally in good condition, but the Nonpareil variety displayed a very weak bloom with spotty and uneven sets throughout the State. The almond crop has progressed well recently due to warm temperatures in late May and early June, but is still slightly behind normal progress.

**TABLE 1: COMPARISON OF NUT ESTIMATES AND ORCHARDS SAMPLED BY DISTRICT AND VARIETY, JUNE OBJECTIVE MEASUREMENT SURVEY COUNTS**

District and Variety	1998		1999		2000		2001		2002		2003	
	Nuts Per Tree	Orchards Sampled	Nuts Per Tree	Orchards Sampled	Nuts Per Tree	Orchards Sampled	Nuts Per Tree	Orchards Sampled	Nuts Per Tree	Orchards Sampled	Nuts Per Tree	Orchards Sampled
<b>ALL DISTRICTS</b> (All Varieties)	5,314	979	7,568	838	5,298	686	6,672	798	8,100	786	7,002	777
<b>BY DISTRICTS</b>												
<u>District I</u>												
Sacramento Valley	6,257	200	8,158	188	6,167	126	7,189	165	7,849	141	7,648	149
<u>District II</u>												
San Joaquin Valley	5,116	772	7,440	645	5,111	559	6,537	633	8,128	645	6,849	628
<b>BY VARIETIES</b>												
Butte <u>1/</u>	---	---	---	---	---	---	---	---	8,741	99	8,904	110
California Types <u>2/</u>	5,497	201	7,602	167	5,332	140	6,850	167	7,615	177	6,815	183
Carmel <u>3/</u>	5,645	118	6,716	99	5,275	84	6,832	99	7,146	99	6,727	97
Mission	5,722	79	6,844	58	4,975	31	5,928	41	8,235	29	8,055	28
Ne Plus Ultra	2,116	27	4,992	24	5,709	4	6,859	14	3,232	7	3,574	2
Nonpareil	5,129	491	8,054	403	4,959	359	6,449	386	8,043	373	6,110	358
Padre <u>1/</u>	---	---	---	---	---	---	---	---	8,268	48	9,729	57

1/ Butte and Padre variety breakdowns were initiated in 2002.

2/ For survey purposes, the California classification includes the following varieties: Aldrich, Ballico, Carmel, Davey, Fritz, Harvey, Le Grand, Mono, Monterey, Norman, Price Cluster, Ruby, Tokoyo and Yosemite.

3/ Carmel breakdown was first provided in 1988. Carmel variety is also included in California Types.