



# California Fruit & Nut Review

Cooperating with the California Department of Food and Agriculture

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### MARCH CROP COMMENTS

California's Central Valley experienced near normal precipitation during the past several months. Stone fruits throughout the Central Valley, including plums, prunes, peaches, cherries, and other early varieties, continued to show widespread bloom. Fungicide sprays were applied to blooming stone fruit trees. Pruning of orchards and vineyards was approaching completion. Strawberry and blueberry plantings began blooming and out of State raspberry bushes arrived for planting.

Strawberry fields in the San Joaquin Valley of California were setting fruit, while warmer temperatures along the Central Coast aided budding in wine grape vineyards. Herbicide sprays were applied in Central Valley grape vineyards, while warmer temperatures aided budding of wine grape vineyards along the Central Coast. Widespread bloom continued in almond orchards. Considerable petal fall also occurred. Due to wet weather earlier in the season, some brown rot was observed in almond orchards.

Most growers applied protective sprays to limit the impact of spring diseases. Walnut blight applications began in preparation for the upcoming walnut bloom. Pest traps were placed in almond orchards and irrigation began in drier areas. Citrus trees were being topped. Picking of tangerines, navel oranges, grapefruit, and lemons continued, while harvesting of Valencia oranges began in the San Joaquin Valley.

### FRUIT AND NUT STATISTICS AT A GLANCE

Crop	Bearing Acreage		Yield Per Acre		Estimated Production		Production Percent Change	Next Crop Update
	2008	2009	2008	2009	2008	2009		
<b>NUT CROPS 1/</b>	<i>Acres</i>		<i>Pounds</i>		<i>1,000 Pounds</i>			
Almonds (Shelled) 2/	680,000	710,000	2,400	1,960	1,630,000	1,390,000	-15	May 6, 2010
Pecans	3,100	3,200	1,210	1,200	3,750	3,840	2	July 7, 2010
Pistachio (In-Shell)								
Marketable In-Shell	---	---	---	---	231,000	320,000	39	
Shelling Stock	---	---	---	---	47,000	66,000	40	
Total	118,000	126,000	2,360	3,060	278,000	386,000	39	July 7, 2010
			<i>Tons</i>		<i>1,000 Tons</i>			
Walnuts (In-Shell) 3/	223,000	223,000	1.96	1.86	436.0	415.0	-5	July 7, 2010
<b>FRUIT CROPS 1/</b>								
Apples	19,500	19,000	9.23	7.63	180.0	145.0	-19	July 7, 2010
Apricots	11,100	11,000	6.94	5.41	77.0	59.5	-23	June 10, 2010
Cherries	27,000	28,000	3.19	2.79	86.0	78.0	-9	June 10, 2010
Grapes, Raisin 4/	221,000	221,000	11.40	9.10	2,520.0	2,016.0	-20	July 7, 2010
Grapes, Table	83,000	83,000	11.72	10.30	973.0	855.0	-12	July 7, 2010
Grapes, Wine	482,000	482,000	6.34	7.14	3,055.0	3,440.0	13	July 7, 2010
Grapes, All 4/	786,000	786,000	8.33	8.03	6,548.0	6,311.0	-4	July 7, 2010
Olives	30,000	29,000	2.23	1.48	66.8	42.8	-36	July 7, 2010
Peaches, Clingstone	25,000	24,500	17.00	19.10	426.0	469.0	10	May 11, 2010
Peaches, Freestone	31,000	28,000	14.00	12.50	433.0	349.0	-19	May 11, 2010
Pears, Bartlett	11,000	10,000	17.70	20.00	195.0	200.0	3	June 10, 2010
Pears, Other	4,000	4,000	12.00	13.80	48.0	55.0	15	July 7, 2010
Plums, Dried (Prunes) 5/	64,000	64,000	2.02	2.45	129.0	157.0	22	June 1, 2010
<b>BERRIES</b>	2009	2010	2009	2010	2009	2010		
			<i>Cwt.</i>		<i>1,000 Cwt.</i>			
Strawberries 6/	39,800	37,500	625	615	24,856	23,063	-7	July 9, 2010
<b>CITRUS CROPS 7/</b>	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10		
			<i>Cartons</i>		<i>1,000 Cartons</i>			
Grapefruit 8/	9,600	9,600	1,000	875	9,600	8,400	-13	July 9, 2010
Lemons 8/	47,000	47,000	894	851	42,000	40,000	-5	July 9, 2010
Oranges, Navel 9/	141,000	141,000	489	596	69,000	84,000	22	July 9, 2010
Oranges, Valencia 8/	45,000	43,000	533	791	24,000	34,000	42	July 9, 2010
Tangerines 10/	27,000	30,000	496	607	13,400	18,200	36	July 9, 2010

1/ Estimate for current year carried forward from previous forecast.

2/ Almond Subjective Forecast Report will be released May 6, 2010 at 12:00 p.m. PDT. Almond Objective Measurement Report will be released June 30, 2010 at 12:00 p.m. PDT.

3/ Walnut Objective Measurement Report will be released September 3, 2010 at 12:00 p.m. PDT.

4/ Raisin Grape Objective Measurement Report will be released August 12, 2010 at 6:30 a.m. PDT.

5/ Dried Plum Forecast reports (Prunes) will be released June 1, 2010 at 12:00 p.m. PDT.

6/ Includes fresh market and processing.

7/ Grapefruit -- 33.5 lbs. per carton; Lemons -- 38.0 lbs. per carton; Oranges -- 37.5 lbs. per carton; Tangerines -- 37.5 lbs. per carton.

8/ Revised 2008-09 data.

9/ Navel Orange Objective Measurement Report will be released September 10, 2010 at 12:00 p.m. PDT.

10/ Includes tangelos, tangerines and tangors.

**CALIFORNIA CITRUS**

**Oranges:** The California all orange forecast is 59.0 million boxes (2.21 million tons), up 4 percent from the previous forecast and up 27 percent from last season's revised final utilization.

The navel orange forecast is 42.0 million boxes (1.58 million tons), up 5 percent from the March 1 forecast and up 22 percent from last season.

The Valencia orange forecast is 17.0 million boxes (638,000 tons), unchanged from the previous forecast, but up 42 percent from last season's revised final utilization. The Valencia orange harvest got underway in March.

**Grapefruit:** California's grapefruit production forecast is 4.20 million boxes (141,000 tons), unchanged from the previous forecast, but 13 percent below last season's revised production.

**Lemon:** California production is forecast at 20.0 million boxes (760,000 tons), unchanged from January 1, but down 5 percent from last season's revised production. The California lemon harvest was complete in the Desert Region, but continued in the Central Valley and began in the Coastal Region.

**Tangerines:** California's tangerine and mandarin crop is forecast at 9.10 million boxes (341,000 tons), up 11 percent from the January 1 forecast, and up 36 percent from last season's final utilization. If realized, this will be a record crop for California.

**FLORIDA CITRUS**

High temperatures in the citrus growing regions ranged between 70 and 80 degrees all month. Low temperatures were mostly in the 40s. The citrus growing area received heavy, soaking rains in March. Harvesting of Murcott tangerines and Valencia oranges continued. Citrus bloom is full and widespread in the southern counties, with more buds and fewer open flowers observed in northern areas.

Processing of early and midseason oranges has finished. Valencia oranges and grapefruit make up the majority of fruit going to processing plants. Grove activities included harvesting, mowing, insecticide and fertilizer applications, psyllid treatment, and brush removal.

**CITRUS FRUIT PRODUCTION FORECAST, BY STATE AND U.S. 1/**

Crop and State	2007-08	2008-09	2009-10
	1,000 Cartons		
<b>ORANGES: 2/</b>			
California, All	124,000	93,000	118,000
Navel & Misc.	90,000	69,000	84,000
Valencia	34,000	24,000	34,000
Florida	340,400	325,000	263,200
Texas	3,592	2,918	3,200
Arizona 3/	760	500	---
U.S. TOTAL	468,752	421,418	384,400
<b>GRAPEFRUIT: 4/</b>			
California, All	10,400	9,600	8,400
Florida	53,200	43,400	38,000
Texas	12,000	11,000	11,000
Arizona 3/	200	50	---
U.S. TOTAL	75,800	64,050	57,400
<b>LEMONS: 5/</b>			
California	29,600	42,000	40,000
Arizona	3,000	6,000	5,000
U.S. TOTAL	32,600	48,000	45,000
<b>TANGERINES: 6/</b>			
California 7/	13,400	13,400	18,200
Florida	11,000	7,700	8,200
Arizona 7/	800	500	900
U.S. TOTAL	25,200	21,600	27,300

- 1/ Revised 2008-09 data.
- 2/ ORANGES: California and Arizona, 1 carton = 37.5 lbs.; Florida, 1 carton = 45 lbs.; Texas, 1 carton = 42.5 lbs.
- 3/ Estimates discontinued beginning with the 2009-2010 crop year.
- 4/ GRAPEFRUIT: California and Arizona, 1 carton = 33.5 lbs.; Florida, 1 carton = 42.5 lbs.; Texas, 1 carton = 40 lbs.
- 5/ LEMONS: 1 carton = 38 lbs.
- 6/ TANGERINES: California and Arizona, 1 carton = 37.5 lbs.; Florida, 1 carton = 47.5 lbs.
- 7/ Includes tangelos, tangerines, and tangors.

**STRAWBERRIES**

The 2010 California strawberry production is expected to be 23.1 million cwt., down 7 percent from last year. The area for harvest is forecast at 37,500 acres, down 6 percent from 2009. Heavy rainfall in February delayed field work, but warm temperatures later in the season allowed strawberry fields to get back on track.

FRESH FRUIT: UNITED STATES PER CAPITA CONSUMPTION, 1986 TO DATE 1/

Year 2/	CITRUS FRUIT					TOTAL 3/	NON-CITRUS FRUIT					
	Oranges & Temples	Tangerines, Tangelos, & Mandarins	Lemons	Limes	Grapefruit	Citrus	Apples	Apricots	Avocados	Bananas	Blueberries	Cherries
Pounds												
1987	12.8	1.8	2.5	0.5	6.4	23.9	20.8	0.1	1.6	25.0	0.5	0.7
1988	13.9	1.8	2.5	0.6	6.7	25.4	19.8	0.2	1.6	24.3	0.5	0.5
1989	12.2	1.7	2.4	0.7	6.6	23.6	21.2	0.1	1.1	24.7	0.5	0.5
1990	12.4	1.3	2.6	0.7	4.4	21.4	19.6	0.2	1.4	24.3	0.4	0.4
1991	8.4	1.4	2.6	0.8	5.9	19.0	18.1	0.1	1.4	25.0	0.5	0.4
1992	12.8	1.9	2.5	1.0	5.9	24.2	19.1	0.2	2.2	27.1	0.6	0.5
1993	14.1	1.9	2.6	1.0	6.2	25.8	19.0	0.1	1.3	26.6	0.8	0.4
1994	12.9	2.1	2.7	1.0	6.1	24.7	19.4	0.2	1.4	27.8	0.8	0.5
1995	11.8	2.0	2.8	1.2	6.0	23.8	18.7	0.1	1.6	27.1	0.8	0.3
1996	12.6	2.2	2.9	1.1	5.8	24.6	18.7	0.1	1.6	27.6	0.7	0.4
1997	13.9	2.5	2.8	1.2	6.2	26.5	18.1	0.1	1.7	27.1	0.6	0.6
1998	14.6	2.2	2.5	1.4	5.9	26.6	19.0	0.1	1.5	28.0	0.7	0.5
1999	8.4	2.3	2.6	1.3	5.8	20.4	18.5	0.1	1.9	30.7	0.7	0.6
2000	11.7	2.9	2.4	1.4	5.1	23.5	17.5	0.2	2.2	28.5	0.6	0.6
2001	11.9	2.7	3.0	1.5	4.9	23.9	15.6	0.1	2.5	26.6	0.7	0.8
2002	11.7	2.6	3.3	1.1	4.6	23.4	16.0	0.1	2.3	26.8	0.7	0.7
2003	11.9	2.7	3.3	1.8	4.1	23.8	16.9	0.1	2.8	26.2	0.8	0.9
2004	10.8	2.8	3.1	1.9	4.1	22.7	18.8	0.1	3.1	25.8	0.8	1.0
2005	11.4	2.5	3.0	2.1	2.7	21.6	16.7	0.1	3.5	25.2	0.9	0.9
2006	10.3	2.7	4.2	2.3	2.3	21.7	17.7	0.1	3.6	25.1	0.9	1.1
2007	7.5	2.6	2.8	2.3	2.8	18.0	16.4	0.2	3.5	26.0	1.0	1.2
2008	9.9	3.1	2.0	2.5	3.2	20.6	16.2	0.1	3.9	25.1	1.2	1.0
Year 2/	NON-CITRUS FRUIT CONTINUED										TOTAL 3/	
	Cranberries	Grapes	Kiwifruit	Mangos	Peaches & Nectarines	Pears	Pineapples	Papayas	Plums & Prunes	Strawberries	Non-Citrus	Fruit
Pounds												
1987	0.1	7.1	0.3	0.6	6.1	3.5	1.6	0.2	1.9	3.1	73.1	97.0
1988	0.1	7.7	0.3	0.4	6.8	3.2	1.8	0.2	1.7	3.3	72.3	97.7
1989	0.1	7.9	0.5	0.5	5.9	3.2	2.0	0.1	1.4	3.3	73.0	96.6
1990	0.1	7.8	0.5	0.5	5.5	3.2	2.1	0.2	1.5	3.2	70.9	92.3
1991	0.1	7.3	0.3	0.9	6.4	3.1	1.9	0.2	1.4	3.6	70.7	89.7
1992	0.1	7.1	0.5	0.7	6.0	3.1	2.0	0.2	1.8	3.6	74.7	99.0
1993	0.1	7.0	0.5	0.9	5.8	3.4	2.0	0.3	1.3	3.6	73.1	98.8
1994	0.1	7.0	0.5	1.0	5.4	3.4	2.0	0.3	1.6	4.0	75.3	100.0
1995	0.1	7.5	0.5	1.1	5.3	3.4	1.9	0.4	0.9	4.1	73.6	97.4
1996	0.1	6.7	0.5	1.3	4.4	3.1	1.9	0.5	1.4	4.3	73.2	97.7
1997	0.1	7.8	0.5	1.4	5.5	3.4	2.3	0.5	1.5	4.1	75.4	101.9
1998	0.1	7.2	0.5	1.5	4.7	3.4	2.8	0.5	1.2	3.9	75.5	102.1
1999	0.1	8.0	0.5	1.6	5.3	3.5	3.0	0.6	1.3	4.6	81.1	101.5
2000	0.1	7.4	0.6	1.8	5.3	3.4	3.2	0.7	1.2	4.9	78.0	101.5
2001	0.1	7.4	0.4	1.8	5.2	3.3	3.2	0.8	1.3	4.2	74.0	97.9
2002	0.1	8.4	0.4	2.0	5.2	3.1	3.8	0.8	1.3	4.7	76.3	99.6
2003	0.1	7.7	0.4	2.1	5.2	3.1	4.4	0.9	1.2	5.3	77.9	101.7
2004	0.1	7.8	0.4	2.0	5.2	3.0	4.4	1.0	1.1	5.5	80.1	102.7
2005	0.1	8.6	0.5	1.9	4.8	2.9	4.9	0.9	1.1	5.8	78.8	100.4
2006	0.1	7.6	0.5	2.1	4.6	3.2	5.2	1.0	1.0	6.1	80.0	101.7
2007	0.1	8.0	0.4	2.1	4.5	3.1	5.0	1.1	1.0	6.3	79.9	97.8
2008	0.1	8.5	0.5	2.1	5.1	3.1	5.1	1.0	0.9	6.5	80.3	100.9

1/ All non-citrus fruit data are on calendar-year basis, except apples (year begins in August of year shown), grapes (year begins in May for 1990-2007 and in July for 1986-1989), and pears (year begins in July). The year begins as follows for citrus fruit: November for oranges, tangerines, tangelos and temples; September for grapefruit; August of prior year for lemons; and April of year shown for limes.

2/ Preliminary 2008 figures.

3/ Some figures may not add due to rounding.

Source: Economic Research Service, USDA.

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