



United States Department of Agriculture
National Agricultural Statistics Service

**Pacific Region
Fruit & Nut Review**



The Pacific Region Includes the States of CA, HI and NV

Pacific Regional Office · P.O. Box 1258 · Sacramento, CA 95812 · (916) 498-5161 · (916) 498-5186 Fax · www.nass.usda.gov/ca

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AUGUST CROP COMMENTS

Fruit growers irrigated trees and vines to reduce heat stress. Grape growers trained grapevines and pruned to increase light penetration. Wine grapes continued to size and increase sugar. Harvest of wine grapes began across the State. Raisin grapes, including Zante Currant and Fiesta varieties, were dried either on the vine or on trays. Fantasy, Flame Seedless, Princess, Red Globe, Scarlet Royal, Summer Royal, Sugarone, Sweet Sunshine, and Thompson Seedless grape varieties were harvested for fresh use. Gala apple harvest continued, while Fuji and Granny Smith apple harvest began. European and Asian pear harvests were ongoing. Prune harvest began. The harvest of freestone peaches, nectarines, and plums continued. Growers topped harvested stone fruit trees. A few late variety apricots were harvested.

Clingstone peach harvest was nearing finish. Pomegranate harvest began in the San Joaquin Valley. Kiwifruit and persimmons continued to develop. Blueberry bushes were pruned. Olives were sprayed for Olive Fruit Fly; fruits continued to size on trees, with some heavy sets reported. Avocado growers monitored trees for heat stress. Almond harvest increased; harvest of the nonpareil variety began. Pistachio nuts started to split. Pistachios continued to be sprayed for Navel orangeworm. Walnut and pistachio growers irrigated, mowed, and cleaned orchards in preparation for harvest. Walnuts continued to be sprayed for husk fly, codling moth, and mites. Walnut growers in the northern part of the State applied growth regulator to help finish ripening.

Citrus growers continued to irrigate, hedge and skirt groves. Valencia orange harvest was ongoing. Re-greening continued to be an issue due to high temperatures. Ruby Red grapefruit and lemons were harvested. New orange and mandarin groves were planted.

FRUIT AND NUT STATISTICS AT A GLANCE

Crop	Bearing Acreage		Yield Per Acre		Estimated Production		Production Percent Change	Next Crop Update
	2012	2013	2012	2013	2012	2013		
NUT CROPS	<i>Acres</i>		<i>Pounds</i>		<i>1,000 Pounds</i>			
Almonds (Shelled)	790,000	810,000	2,390	2,280	1,890,000	1,850,000	-2	
Pecans	---	---	---	---	4,800	---		1/
Pistachio (In-Shell)								
Marketable In-Shell	---	---	---	---	464,000	---		
Shelling Stock	---	---	---	---	87,000	---		
Total	178,000	---	3,100	---	551,000	---		1/
			<i>Tons</i>		<i>1,000 Tons</i>			
Walnuts (In-Shell)	245,000	255,000	2.03	1.94	497	495	(Z)	
FRUIT CROPS								
Apples	17,500	---	8.57	---	150	---		1/
Apricots	10,800	---	4.98	---	53.8	---		1/
Cherries	31,000	---	2.98	---	92.3	---		1/
Grapes, Raisin	205,000	200,000	9.33	12.00	1,912	2,400	26	
Grapes, Table	85,000	---	11.60	---	987	---		1/
Grapes, Wine	506,000	---	7.39	---	3,740	---		1/
Grapes, All	796,000	---	8.34	---	6,639	---		1/
Table Olives	---	---	---	---	78.5	75.0	-4	
Peaches, Clingstone 2/	23,000	---	16.00	---	369	---		1/
Peaches, Freestone	24,000	---	14.30	---	344	---		1/
Pears, Bartlett	10,000	---	16.50	---	165	---		1/
Pears, Other	4,000	---	12.50	---	50.0	---		1/
Plums, Dried (Prunes)	55,000	51,000	2.51	2.06	138	105	-24	
BERRIES			<i>Cwt.</i>		<i>1,000 Cwt.</i>			
Strawberries 3/	38,500	---	720	---	27,637	---		
CITRUS CROPS 4/	2012-13	2013-14	2012-13	2013-14	2012-13	2013-14		
			<i>Cartons</i>		<i>1,000 Cartons</i>			
Grapefruit	---	---	---	---	8,200	---		September 19, 2013
Lemons	---	---	---	---	40,000	---		September 19, 2013
Oranges, Navel	---	---	---	---	90,000	88,000	-2	September 19, 2013
Oranges, Valencia	39,000	---	641	---	25,000	---		September 19, 2013
Mandarins & Mandarin Hybrids 5/	---	---	---	---	26,000	---		September 19, 2013

(Z) Less than one half of one percent.

- 1/ Estimates for these crops have been discontinued until further notice.
- 2/ Over-the-scale tonnage and includes culls and cannery diversions.
- 3/ Includes fresh market and processing.
- 4/ All citrus fruit-- 40.0 lbs per carton.
- 5/ Includes tangelos, tangerines, and tangors.

FLORIDA CITRUS

High temperatures for the month were in the mid 90s. Rainfall was widespread and generally heavy, adding more water to already wet groves, and maintaining the drought-free conditions in all of the citrus producing regions. Groves were saturated in places with some groves reporting very full main canals and ditches.

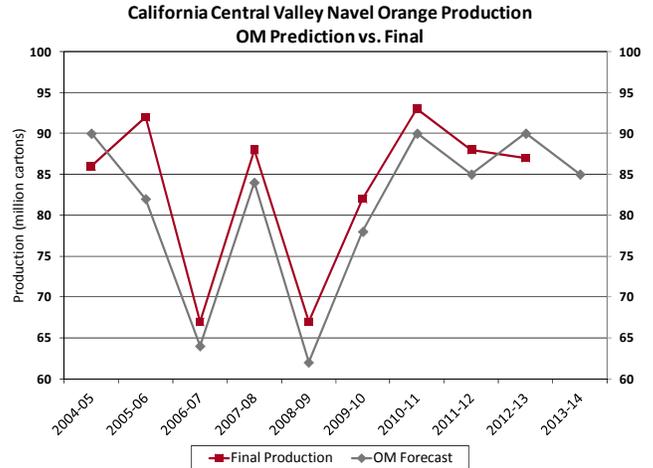
Overflowing was also reported in some areas. Field workers reported that trees and fruit in cared-for-groves looked very good due to rainfall over the past months. Production practices in all areas included heavy insecticide and herbicide spraying, limited mowing, and psyllid control.

NAVEL ORANGE PRODUCTION FORECAST

The initial 2013-14 Navel orange forecast is 88.0 million cartons, down 2 percent from the previous season. Of the total Navel orange forecast, 85.0 million cartons are estimated in the Central Valley. This forecast is based on the results of the 2013-14 Navel Orange Objective Measurement (O.M.) Survey, which was conducted from July 13 to September 2, 2013. Estimated fruit set per tree, fruit diameter, trees per acre, bearing acreage, and oranges per carton were used in the statistical models estimating production.

The varieties forecast in this report include conventional, organic, and specialty Navel oranges (including Cara Cara and Blood orange varieties).

Survey data indicated a fruit set per tree of 265, below the five-year average of 315. The average September 1 diameter was 2.338, above the five-year average of 2.244, and the largest since the 2004-05 season.



CALIFORNIA CENTRAL VALLEY NAVAL ORANGE DATA

Crop Year 1/	Number of Sampled Groves	Final Utilized Production (Cartons) 2/	Forecast Utilized Production (Cartons) 2/	Bearing Acres	Average Trees Per Acre	Average Set Per Tree	Average September 1 Diameter 3/ (Inches)
1987-88	300	53,588,000	46,000,000	96,110	126	361	2.343
1988-89	350	58,326,000	61,000,000	98,766	126	570	2.195
1989-90	350	79,242,000	61,000,000	101,525	125	541	2.250
1990-91	431	25,514,000	70,000,000	104,560	124	498	2.213
1991-92	---	60,406,000	---	102,000	124	---	---
1992-93	398	81,034,000	66,000,000	102,612	121	572	2.296
1993-94	488	63,800,000	68,000,000	106,381	121	452	2.365
1994-95	480	66,358,000	65,000,000	107,049	121	457	2.232
1995-96	498	69,750,000	68,000,000	113,000	121	460	2.258
1996-97	498	71,700,000	66,000,000	115,000	121	359	2.470
1997-98	531	81,000,000	80,000,000	116,500	121	407	2.481
1998-99	498	37,000,000	61,000,000	118,000	121	380	2.184
1999-00	478	76,000,000	75,000,000	119,000	122	458	2.224
2000-01	478	68,000,000	65,000,000	122,000	122	347	2.311
2001-02	527	62,000,000	60,000,000	122,000	122	264	2.483
2002-03	510	82,000,000	77,500,000	129,000	122	466	2.200
2003-04	498	77,000,000	76,000,000	129,000	124	358	2.410
2004-05	526	86,000,000	90,000,000	131,000	125	392	2.495
2005-06	569	92,000,000	82,000,000	133,000	127	461	2.230
2006-07	539	67,000,000	64,000,000	135,000	129	294	2.268
2007-08	543	88,000,000	84,000,000	135,000	130	390	2.245
2008-09	527	67,000,000	62,000,000	135,000	131	202	2.276
2009-10	533	82,000,000	78,000,000	134,500	132	294	2.336
2010-11	519	93,000,000	90,000,000	133,500	133	418	2.143
2011-12	535	88,000,000	85,000,000	132,000	133	318	2.270
2012-13 4/	539	87,000,000	90,000,000	131,000	134	344	2.195
2013-14 5/	542		85,000,000	131,000	134	265	2.338

1/ Data for 1990-91, 1998-99, and 2006-07 (freeze years) were not used in forecasting the 2013-14 crop. An objective measurement survey was not conducted for the 1991-92 season due to lack of funding.

2/ Prior to the 2010-11 season, cartons had a standard equivalent weight of 37.5 lbs. Beginning in the 2010-11 season, cartons have a standard equivalent weight of 40 lbs.

3/ Size data for 1984-85 through 1993-94 are from the Navel Orange Administrative Committee, while the data from 1993-94 through 2006-07 are from the orange industry. Size data beginning 2007-08 are from the USDA-NASS, California Field Office objective measurement survey.

4/ Subject to revision September 19, 2013.

5/ USDA, NASS, California Field Office preliminary forecast for 2013-14.

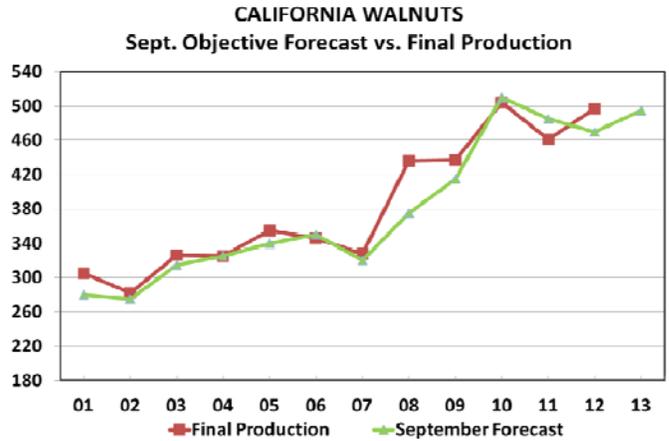
WALNUT PRODUCTION FORECAST DOWN SLIGHTLY

The 2013 California walnut production is forecast at 495,000 tons, down less than 1 percent from 2012's production of 497,000 tons. This forecast is based on the 2013 Walnut Objective Measurement (O.M.) Survey, which was officially conducted August 1 through August 23, 2013. There were a few samples completed before August 1 for training and scheduling purposes.

23.3 grams, while the average in-shell suture measurement was 33.1 millimeters. The in-shell cross-width measurement was 33.1 and the average length in-shell was 39.0 millimeters. All of the sizing measurements were above average levels.

Growers in the Sacramento Valley received above average rainfall during November and December, which helped the trees build a more vigorous root system. Weather during the spring was unusually dry and warm, which contributed to a longer bloom. Favorable weather conditions and dense foliage have helped limit sunburn damage. California experienced several short periods of hot weather; however the healthy conditions of many orchards helped the trees withstand the heat.

The 2013 Walnut O.M. Survey utilized a total of 740 blocks with two sample trees per block. Survey data indicated an average record low nut set of 1,239 per tree, down 10 percent from 2012's average of 1,375. Percent of sound kernels in-shell was 98.8 percent Statewide. In-shell weight per nut was



CALIFORNIA WALNUT OBJECTIVE MEASUREMENT SURVEY DATA – NUTS SET PER TREE BY DISTRICT

Year	Coast 1/	Sacramento Valley 2/	San Joaquin Valley 3/	State 4/
2002	1,254	1,982	1,142	1,572
2003	640	1,846	1,429	1,599
2004	924	1,943	1,168	1,526
2005	818	1,854	1,372	1,575
2006	1,316	1,660	1,267	1,458
2007	1,221	1,548	1,162	1,357
2008	973	1,592	1,270	1,416
2009	1,531	1,758	1,250	1,523
2010	1,263	2,047	1,313	1,690
2011	1,594	1,606	1,119	1,388
2012	1,461	1,582	1,120	1,375
2013	857	1,402	1,050	1,239

- 1/ Coast includes: Contra Costa, Lake, Monterey, Napa, San Benito, San Luis Obispo, Santa Clara, and Sonoma counties.
- 2/ Sacramento Valley includes: Butte, Colusa, El Dorado, Glenn, Sacramento, Solano, Sutter, Tehama, Yolo, and Yuba counties.
- 3/ San Joaquin Valley includes: Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare counties.
- 4/ District and State averages are derived by weighting county averages by county bearing acreage figures.

CALIFORNIA WALNUT OBJECTIVE MEASUREMENT SURVEY DATA -- STATE TOTALS

Year	Bearing Acres	Total Production <i>Tons</i>	Kernel Grade - Percent Sound	In-Shell			
				Weight	Width	Cross-Width	Length
				<i>gm</i>		<i>mm</i>	
2002	210,000	282,000	96.3	22.0	32.4	32.7	38.5
2003	213,000	326,000	97.0	22.4	32.5	32.4	39.1
2004	214,000	325,000	98.2	22.5	32.6	32.5	39.0
2005	215,000	355,000	97.5	20.0	31.7	31.6	38.6
2006	216,000	346,000	98.0	22.7	31.4	33.6	39.5
2007	218,000	328,000	98.4	20.3	31.9	32.6	37.6
2008	223,000	436,000	98.0	22.2	32.6	32.9	39.3
2009	227,000	437,000	97.9	22.0	32.5	33.0	39.3
2010	237,000	504,000	97.8	21.3	32.1	32.1	38.5
2011	245,000	461,000	98.7	23.6	32.7	33.1	39.4
2012 1/	245,000	497,000	98.0	22.1	32.1	32.6	38.5
2013 2/	255,000	495,000	98.8	23.3	33.1	33.1	39.0

- 1/ Production based on California Walnut Board receipts from handlers.
- 1/ Bearing years include plantings of the following: Chandler, Chico, Howard, Tulare (2009 & Earlier); 50-55, 59-124, 4946, Amigo, Ashley, Bardoni, Cisco, Earhorn, Grove, Gustine, Honeycutt, Houston, Jensen, Lompoc, Marchetti, Nuggett, Payne, Pedro, Serr, Sunland, Tehama, Trinta, UCD 67-13, Vina, Westside (2008 and Earlier); Franquette, Franquette Scharsch, Mayette, Placentia, Poe, Willsons/Willsons Wonder, Woodland (2006 & Earlier); all other varieties not specified (2007 & Earlier).

