



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

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Gingerfold varieties picked. Later apple varieties were ripening. Bartlett, Bosc, and Asian pear harvests were ongoing throughout the State. The Nonpareil almond harvest began in Sutter and Yuba Counties with nuts on the ground and other varieties coming in as harvest-ready. Shaking for the Nonpareil almond continued in Tulare, Fresno, Merced, and Kern Counties. Hull rot was reported in some areas. Reports of spider mites flaring in scattered almond blocks, as well as in walnuts, continued. With hull split at 100 percent in some fields in Modesto, Kings, and Kern Counties, the almond harvest was in full swing during the latter portion of August. Scattered reports of mites in some walnut orchards prompted spraying in Merced County. Overall, walnut maturation was 2 weeks ahead of schedule. Pistachio sprays were started in Kern County, with scattered alternaria outbreaks. In Kern and Kings Counties, pistachios experienced some early pea splits. The pistachio harvest started by the end of the month.

The harvest of Valencia oranges continued. Citrus groves were skirted and pruned for insect control. Tangelo, grapefruit, and lemon harvests remained active.

AUGUST CROP COMMENTS - CALIFORNIA

Clingstone peach harvest was ahead of schedule in Sutter and Yuba Counties. Grape harvest continued. The harvest of low sugar Thompson Seedless grapes and other low sugar grape varieties used for champagne started in Madera County. Other wine grapes were showing Veraison (onset of ripening). Sulfur applications were ongoing. Raisin grape harvest began in some areas. Stone fruit harvest continued. Pomegranate growth continued with some pomegranates harvested early in Tulare County. Olive, fig, and kiwi continued to grow well. Apple harvest continued with Gala and

CALIFORNIA FRUIT AND NUT STATISTICS AT A GLANCE

Crop	Bearing Acreage		Yield Per Acre		Estimated Production		Production Percent Change	Next Crop Update
	2013	2014	2013	2014	2013	2014		
NUT CROPS	<i>Acres</i>		<i>Pounds</i>		<i>1,000 Pounds</i>			
Almonds (Shelled)	840,000	860,000	2,390	2,440	2,010,000	2,100,000	4	January, 2015 October 10, 2014 January, 2015
Pecans	---	---	---	---	5,000	---		
Pistachio (In-Shell)	---	---	---	---	---	---		
Marketable In-Shell	---	---	---	---	379,000	---		
Shelling Stock	---	---	---	---	91,000	---		
Total	203,000	---	2,320	---	470,000	---		
Walnuts (In-Shell)	280,000	290,000	1.76	1.88	492	545	11	January, 2015
FRUIT CROPS								
Apples	15,200	---	8.88	---	135	130	-4	January, 2015
Apricots	9,500	---	5.73	---	54.4	55.0	1	January, 2015
Cherries	33,000	---	2.48	---	82.0	30.0	-63	January, 2015
Grapes, Raisin	200,000	---	11.2	---	2,246	1,950	-13	January, 2015
Grapes, Table	95,000	---	12.90	---	1,226	1,200	-2	January, 2015
Grapes, Wine	525,000	---	8.09	---	4,245	3,900	-8	January, 2015
Grapes, All	820,000	---	9.41	---	7,717	7,050	-9	January, 2015
Table Olives	40,000	---	4.15	---	166.0	---	---	January, 2015
Peaches, Clingstone 1/	22,000	---	16.70	---	368	325	-12	January, 2015
Peaches, Freestone	24,000	---	11.70	---	280	300	7	January, 2015
Pears, Bartlett	8,800	---	20.1	---	177	155	-12	January, 2015
Pears, Other	2,800	---	15.40	---	43.0	38.0	-12	January, 2015
Plums, Dried (Prunes)	50,000	---	1.70	---	85	95	12	January, 2015
BERRIES			<i>Cwt.</i>		<i>1,000 Cwt.</i>			
Strawberries 2/	41,500	41,500	665	680	27,573	28,220	2	January, 2015
CITRUS CROPS 3/	2013-14	2014-15	2013-14	2014-15	2013-14	2014-15		
			<i>Cartons</i>		<i>1,000 Cartons</i>			
Grapefruit	10,000	---	800	---	8,000	---		October 10, 2014 October 10, 2014 October 10, 2014 October 10, 2014 October 10, 2014
Lemons	46,000	---	826	---	38,000	---		
Oranges, Navel	133,000	---	609	---	78,000	81,000	4	
Oranges, Valencia	36,000	---	611	---	22,000	---		
Mandarins & Mandarin Hybrids 4/	45,000	---	644	---	29,000	---		

(NC) No Change

1/ Over-the-scale tonnage and includes culls and cannery diversions.

2/ Includes fresh market and processing.

3/ All citrus fruit-- 40.0 lbs per carton.

4/ Includes tangelos, tangerines, and tangors.

FLORIDA CITRUS

High temperatures for the month ranged in the mid 90s in the citrus producing areas of the State. Rainfall was widespread and generally heavy as drought-free condition ratings covered all of the citrus

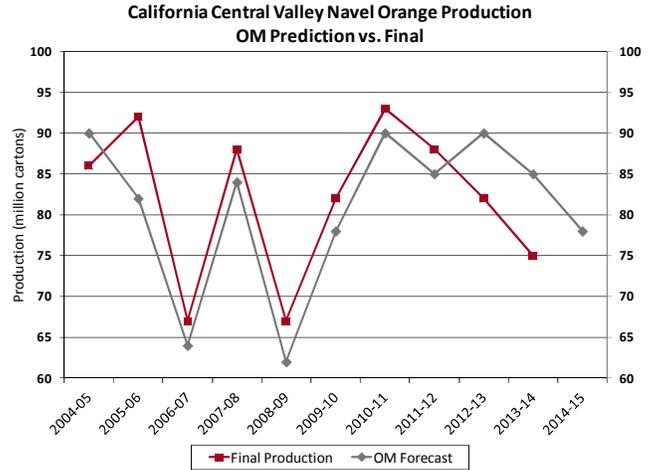
producing regions for the entire month of July. Growers and caretakers were applying summer oil, fertilizing, irrigating, and in some cases, resetting new trees.

NAVEL ORANGE PRODUCTION FORECAST

The initial 2014-15 Navel orange forecast is 81.0 million cartons. Of the total Navel orange forecast, 78.0 million cartons are estimated to be in the Central Valley. This forecast is based on the results of the 2014-15 Navel Orange Objective Measurement (O.M.) Survey, which was conducted from July 13 to September 2, 2014. Estimated fruit set per tree, fruit diameter, trees per acre, bearing acreage, and oranges per box 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 333, above the five-year average of 328. The average September 1 diameter was low at 2.205, below the five-year average of 2.256.



CALIFORNIA CENTRAL VALLEY NAVEL 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	539	82,000,000	90,000,000	131,000	134	344	2.195
2013-14 4/	542	75,000,000	85,000,000	128,000	134	265	2.338
2014-15 5/	534	78,000,000	78,000,000	126,000	134	333	2.205

- 1/ Data for 1990-91, 1998-99, and 2006-07 (freeze years) were not used in forecasting the 2014-15 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 before the 1993-94 season were from the Navel Orange Administrative Committee. Size data from 1993-94 through 2006-07 are from the orange industry. Size data beginning 2007-08 are from the USDA-NASS, Pacific Regional Field Office objective measurement survey.
- 4/ Subject to revision September 18, 2014.
- 5/ USDA, NASS, Pacific Regional Field Office preliminary forecast for 2014-15.

RECORD WALNUT PRODUCTION FORECAST

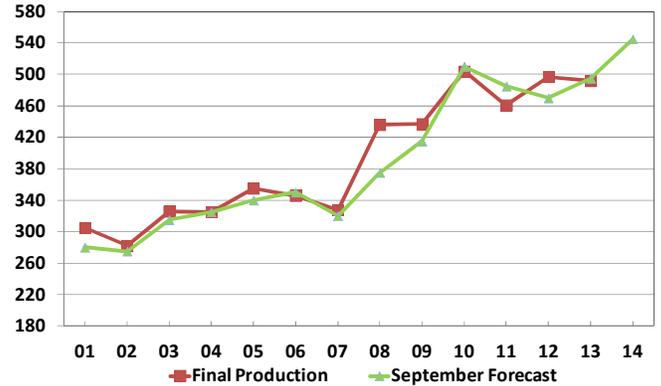
The 2014 California walnut production is forecast at a record 545,000 tons, up 11 percent from 2013's production of 492,000 tons. This forecast is based on the 2014 Walnut Objective Measurement (O.M.) Survey, officially conducted by the National Agricultural Statistics Service August 1 through August 22, 2014. There were a few samples completed before August 1 for training and scheduling purposes.

Despite a lack of chilling hours and a drought that has hit California, the 2014 walnut crop is forecast at a record level. Growers used surface water where available and groundwater when necessary to provide adequate water supply to the trees. Weather conditions during the growing season were mild thus benefitting the crop. Crop quality is excellent with low disease and insect pressures. Overall, the 2014 crop is developing faster than last year and harvest is expected to start early.

The 2014 Walnut O.M. Survey utilized a total of 746 blocks with two sample trees per block. Survey data indicated an average nut set of 1,372 per tree, up 11 percent from 2013's record low average of 1,239. Percent of sound kernels in-shell was 98.7 percent Statewide. In-shell weight per nut was 21.2 grams, and the average in-shell suture measurement was 32.5 millimeters. The in-shell cross-width measurement was 32.4 and the average length in-shell was 38.1

millimeters. All of the sizing measurements were above average levels.

CALIFORNIA WALNUTS
Sept. Objective Forecast vs. Final Production



WALNUT OBJECTIVE MEASUREMENT SURVEY DATE, BY DISTRICT

Year	Coast 1/	Sacramento Valley 2/	San Joaquin Valley 3/	State 4/
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
2014	1,021	1,509	1,214	1,372

- 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	230,000	436,000	98.0	22.2	32.6	32.9	39.3
2009	240,000	437,000	97.9	22.0	32.5	33.0	39.3
2010	255,000	504,000	97.8	21.3	32.1	32.1	38.5
2011	265,000	461,000	98.7	23.6	32.7	33.1	39.4
2012	270,000	497,000	98.0	22.1	32.1	32.6	38.5
2013	280,000	492,000	98.8	23.3	33.1	33.1	39.0
2014 1/	290,000	545,000	98.7	21.2	32.5	32.4	38.1

1/ Bearing years include plantings of the following: Chandler, Chico, Howard, Tulare (2010 & 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 (2009 and Earlier); Franquette, Franquette Scharsch, Mayette, Placentia, Poe, Willsons/Willsons Wonder, Woodland (2007 & Earlier); all other varieties not specified (2008 & Earlier).

**HAWAII MACADAMIA NUTS
SMALLER CROP, HIGHER PRICES ESTIMATED FOR 2013-2014 SEASON**

Hawaii 2013-2014 macadamia nut utilized production is estimated at 41.0 million pounds (net, wet-in-shell basis), down 7 percent from the previous season. Ongoing dry weather and pest problems affected crop progress and output. For the 2013-2014 season, both total crop acreage and harvested acreage were up 1,000 acres from 2012-2013 to 18,000 acres and 16,000 acres, respectively. Yields averaged 2,560 pounds per acre (net, wet-in-shell basis) this season, 370 pounds lighter than last season. Average moisture content for the

2013-2014 overall crop was 20.3 percent compared with 19.4 percent from the previous crop year. Farm value for the 2013-2014 crop is estimated at \$35.7 million (net, wet-in-shell basis), up 1 percent from last season. The average farm price was up 7.0 cents per pound from the previous season to 87.0 cents this season and marking the sixth consecutive year of increase. The last time prices were this high was in 1989-1990 at 89.0 cents per pound (net, wet-in-shell basis).

**MACADAMIA NUTS: NUMBER OF FARMS, ACREAGE, YIELD, PRODUCTION, MOISTURE, PRICE, AND VALUE,
STATE OF HAWAII, 2009-2013 CROP YEARS**

Crop year ¹	Farms	Acreage		Yield per acre ²	Utilized Production ³		Average moisture		Farm prices ³		Farm value ⁶
		In crop	Harvested		Gross	Net ⁴	Entire crop	Purchases only	Gross ⁵	Net	
	<i>Number</i>	<i>-----Acres -----</i>	<i>-----Acres -----</i>	<i>--pounds --</i>	<i>----1,000 pounds ----</i>	<i>----1,000 pounds ----</i>	<i>-----Percent -----</i>	<i>-----Percent -----</i>	<i>Cents per pound</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>
2009-10	570	17,000	15,000	2,800	50,000	42,000	20.1	20.8	58.8	70.0	29,400
2010-11	570	17,000	15,000	2,670	47,000	40,000	20.3	20.6	63.8	75.0	30,000
2011-12	570	17,000	15,000	3,270	58,000	49,000	19.5	20.1	65.9	78.0	38,220
2012-13	570	17,000	15,000	2,930	52,000	44,000	19.4	20.2	67.7	80.0	35,200
2013-14	620	18,000	16,000	2,560	49,000	41,000	20.3	20.7	72.8	87.0	35,670

¹ Season begins July 1st and ends June 30th of the following year. ² Net production divided by acreage harvested. ³ Wet in-shell basis. ⁴ Gross pounds less total spoilage. ⁵ Farm value divided by gross production. ⁶ Net production multiplied by net farm price.

Source: Hawaii Department of Agriculture, Hawaii Macadamia Nuts, Final Season Estimates, August 4, 2014