



# California Fruit & Nut Review

Cooperating with the California Department of Food and Agriculture

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Blueberries and strawberries were being picked in the San Joaquin Valley. Cherry orchards were pruned. Dried-plum growers prepared for harvest. Apples, kiwis, and pomegranates were growing well. Weed control continued in orchards.

### AUGUST CROP COMMENTS

The table grape harvest continued in the San Joaquin Valley with the main varieties of Summer Royals, Crimson, Princess, and Flame Seedless being picked. The wine grape harvest was underway in some areas, while the raisin grapes continued to develop. Mildew continued to be a problem in grape and berry fields. Peaches, nectarines, plums, pears, and pluots continued to be harvested throughout the State. Prunes were reported to be developing well. Scale treatments were applied in olive orchards as the crop progressed well. Olive set was reported to be extremely light. Stone fruit harvest continued at a steady pace.

Shaking and harvesting in a few orchards of Nonpareil almond varieties began as hull splitting continued and final hull split sprays were applied in later varieties. Codling moth and husk fly sprays were ongoing in walnut orchards as the crop continued to develop. Pistachio and pecan orchards showed good development.

Packing of Valencia oranges, tangelos, grapefruits, and lemons continued. The development of the new Navel crop was reported to be slightly behind normal. Oranges were exported from Fresno County to areas in the Caribbean and Asia. Fertilizing and irrigating dominated the grove activities during the month.

### FRUIT AND NUT STATISTICS AT A GLANCE

Crop	Bearing Acreage		Yield Per Acre		Estimated Production		Production Percent Change	Next Crop Update
	2010	2011	2010	2011	2010	2011		
<b>NUT CROPS</b>	<i>Acres</i>		<i>Pounds</i>		<i>1,000 Pounds</i>			
Almonds (Shelled) 1/	740,000	750,000	2,220	2,600	1,640,000	1,950,000	19	January 2012
Pecans 1/	---	---	---	---	5,700	---		October 12, 2011
Pistachio (In-Shell) 1/	---	---	---	---	378,000	---		
Marketable In-Shell	---	---	---	---	144,000	---		
Shelling Stock	---	---	---	---	---	---		
Total	137,000	---	3,810	---	522,000	---		January 2012
			<i>Tons</i>		<i>1,000 Tons</i>			
Walnuts (In-Shell)	227,000	227,000	2.22	2.14	503	485	-4	January 2012
<b>FRUIT CROPS 1/</b>								
Apples	18,000	---	7.78	---	140	140	(NC)	January 2012
Apricots	10,800	---	5.48	---	59.2	55.0	-7	January 2012
Cherries	29,000	---	3.34	---	97.0	85.0	-12	January 2012
Grapes, Raisin	210,000	210,000	9.90	9.76	2,079	2,050	-1	October 12, 2011
Grapes, Table	85,000	---	11.90	---	1,008	1,000	-1	October 12, 2011
Grapes, Wine	497,000	---	7.30	---	3,629	3,400	-6	October 12, 2011
Grapes, All	792,000	---	8.48	---	6,716	6,450	-4	October 12, 2011
Olives	33,000	36,000	5.91	1.81	195	65.0	-67	January 2012
Peaches, Clingstone 2/	23,000	---	18.80	---	432	430	(Z)	January 2012
Peaches, Freestone	27,000	---	14.30	---	385	385	(NC)	January 2012
Pears, Bartlett	10,000	---	17.00	---	170	190	12	January 2012
Pears, Other	4,000	---	12.50	---	50.0	57.0	14	January 2012
Plums, Dried (Prunes)	61,000	58,000	2.08	2.10	127	122	-4	October 12, 2011
<b>BERRIES</b>			<i>Cwt.</i>		<i>1,000 Cwt.</i>			
Strawberries 1/ 3/	38,600	38,000	670	655	25,829	24,890	-4	January 2012
<b>CITRUS CROPS 4/</b>								
	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12		
	<i>Cartons</i>		<i>Cartons</i>		<i>1,000 Cartons</i>			
Grapefruit 1/	9,400	---	745	---	7,000	---		September 22, 2011
Lemons 1/	45,000	---	933	---	42,000	---		September 22, 2011
Oranges, Navel	139,000	---	691	---	96,000	88,000	-8	September 22, 2011
Oranges, Valencia 1/	41,000	---	634	---	26,000	---		September 22, 2011
Mandarins & Mandarin Hybrids 1/ 5/	33,000	---	600	---	19,800	---		September 22, 2011

(Z) Less than one half of one percent.

(NC) No change.

1/ Estimates for current year carried forward from an earlier forecast.

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

3/ Includes fresh market and processing.

4/ 2010-11 Season: All Citrus Fruit-- 40.0 lbs per carton; 2009-10 Season (and previous years): Grapefruit -- 33.5 lbs per carton; Lemons -- 38 lbs per carton; Oranges -- 37.5 lbs per carton; Mandarins -- 37.5 lbs per carton.

5/ Includes tangelos, tangerines, and tangors.

## FLORIDA CITRUS

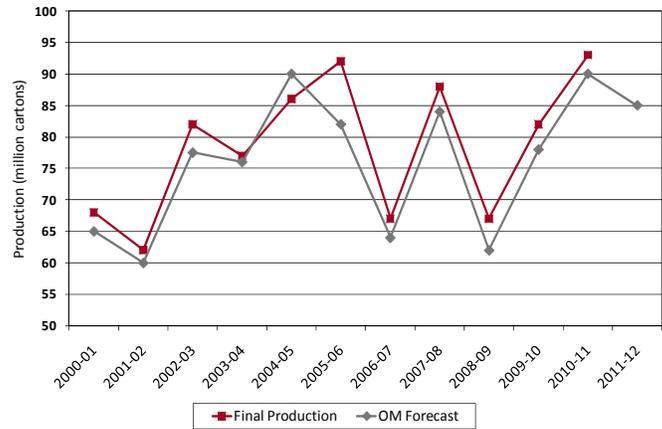
In the citrus growing areas, weather stations reported highs in the 90s and lows mostly in the 70s. Summer weather patterns brought thunderstorms and scattered showers to the citrus producing region throughout the month. Weekly rainfall totals in most areas ranged from less than one to more than five inches. Drought conditions improved with severe drought conditions only present on the northeastern shore of Lake Okeechobee. In well cared for groves, next year's citrus crop was in good condition. Next season's oranges were almost baseball sized, and next season's grapefruit were approaching softball sized.

Production practices included marking and pushing unproductive trees, irrigation, herbicide spraying, mowing, some hedging and topping, and brush removal. Growers are now focusing on psyllid control using both aerial and ground spraying.

## CALIFORNIA NAVEL ORANGE FORECAST

The initial 2011-12 Navel orange forecast is 88.0 million cartons. Beginning in the 2010-11 marketing season, NASS has used 40 pound equivalent cartons for all California citrus crops. Of the total Navel orange forecast, 85.0 million cartons are estimated to be in the Central Valley. This forecast is based on the results of the 2011-12 Navel Orange Objective Measurement (O.M.) Survey, which was conducted from July 15 to September 2, 2011. Estimated fruit set per tree, fruit diameter, trees per acre, bearing acreage, and oranges per box were used in the statistical models estimating production.

California Central Valley Navel Orange Production  
OM Prediction vs. Final



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 318, below the five-year average of 353. The average September 1 diameter was at 2.27, above the five-year average of 2.246.

## 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)
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 4/	535	---	85,000,000	133,500	133	318	2.270

- 1/ Data for 1990-91, 1998-99, and 2006-07 (freeze years) were not used in forecasting the 2011-12 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/ USDA, NASS, California Field Office preliminary forecast for 2011-12.

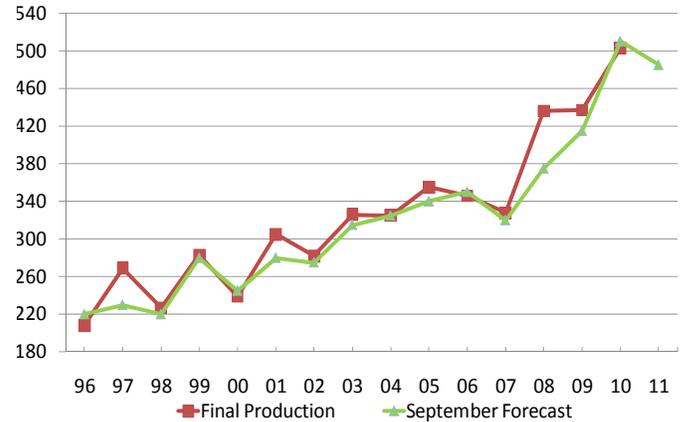
## WALNUT PRODUCTION FORECAST DOWN

The 2011 California walnut production is forecast at 485 thousand tons, down 4 percent from 2010's production of 503 thousand tons. This forecast is based on the 2011 Walnut Objective Measurement (O.M.) Survey, which was conducted August 1 through August 24, 2011.

This year's growing season was very similar to the 2010 growing season with adequate chilling hours, above average rainfall, and a generally mild summer. Bloom was approximately one week behind last year due to rain and cool weather. Bloom timing was also compressed into a shorter bloom period due to the cooler spring temperatures in March and April. Mild weather during the growing season has resulted in a crop of excellent quality. Harvesting is expected to start a few days later than last year, and about two weeks behind normal.

The 2011 Walnut O.M. Survey utilized a total of 730 blocks with two sample trees per block. Survey data indicated an average nut set of 1,388 per tree, down 18 percent from 2010's average of 1,690. Percent of sound kernels in-shell was 98.7 percent Statewide. In-shell weight per nut was 23.6 grams, while the average in-shell suture measurement was 32.7 millimeters. The in-shell cross-width measurement was 33.1 millimeters and the average length in-shell was 39.4 millimeters.

**CALIFORNIA WALNUTS**  
**Sept. Objective Forecast vs. Final Production**



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

Year	Coast 1/	Sacramento Valley 2/	San Joaquin Valley 3/	State 4/
2000	1,195	1,812	1,204	1,483
2001	937	2,020	1,478	1,719
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

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 ENGLISH 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>		
2000	200,000	239,000	96.9	21.2	32.2	32.8	38.2
2001	204,000	305,000	97.8	21.5	31.7	31.6	38.3
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 1/	227,000	503,000	97.8	21.3	32.1	32.1	38.5
2011	227,000	485,000	98.7	23.6	32.7	33.1	39.4

1/ Bearing years include plantings of the following: Chandler, Chico, Howard, Tulare (2005 & 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 (2005 and Earlier); Franquette, Franquette Scharsch, Mayette, Placentia, Poe, Willsons/Willsons Wonder, Woodland (2003 & Earlier); all other varieties not specified (2004 & Earlier).



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