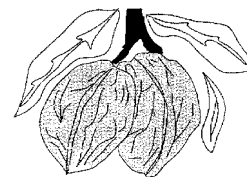


1997 California Walnut Acreage Survey



Released: May 11, 1998
12:00 P.M. PDT



RESULTS

The 1997 California acreage survey results indicate **198,119** total acres of walnuts. Of this total, **177,206** were bearing and **20,913** were non-bearing. The Hartley variety accounted for **27** percent of the total acreage. Survey results show an increase in plantings of the Chandler variety which accounted for **64** percent of non-bearing acreage. **San Joaquin County** shows the largest acreage planted to walnuts with **15** percent of the total acreage, followed by **Tulare County** with **13** percent and **Stanislaus County** with **11** percent.

The Walnut Acreage Survey is part of a larger combined fruit acreage survey. All growers with almond or walnut acreage were surveyed on a bi-annual basis with half the counties in the State surveyed each year. Grape and prune growers in all counties were surveyed. For these four crops, more than 32,000 parcel records were mailed to about 15,000 growers. Overall, 82 percent of the parcels were completed. In addition, about 550 new parcels were added. The new parcels are the result of list building efforts using County Agricultural Commissioners' acreage updates and acreage reported through the California Department of Pesticide Regulations. For the walnut acreage, 8,526 parcels were mailed and approximately 81 percent were completed representing about 90 percent of the acres. Of the total parcels sent, 53 percent were returned by mail, 19 percent by telephone, and 9 percent by personal interview. The current data from our data base are carried forward for the 19 percent not responding.

When interpreting data, please keep in mind that the Walnut Acreage Survey is designed to function on a two-year cycle. Because only half the counties are surveyed each year, and the time lag in receiving information on new plantings and new growers, we expect the actual plantings, particularly for the non-bearing years, to be higher than what this report shows. These will be reflected in future acreage surveys.

Also, based on recommendations from the industry, the bearing years for each variety have been revised. For the major varieties, excluding Chandler, one additional year has been included in bearing acreage. For example, 1997 bearing acreage for the Hartley variety would have included all acreage planted in 1990 and earlier. Under the revised method, 1997 bearing acreage now includes acreage planted in 1991 and earlier. For the Chandler variety, two additional years are brought into bearing acreage.

The attached summary tables show results of the acreage survey. These data are for dissemination to the walnut industry and other interested parties. Only State and county totals have been published; individual reports remain confidential.

OBJECTIVES

The California Agricultural Statistics Service (CASS) conducted an acreage survey to provide the current acreage, variety, and year of plant data.

PROCEDURES

Acreage survey preparation was a cooperative effort between the grape, almond, walnut, and prune industries. The Walnut Acreage Survey is designed to operate on a two-year rotational basis with approximately half the walnut growers contacted each year. This year seventeen counties were surveyed (see table back page).

CASS maintains a fruit data base, which serves as the main source for questionnaire mailing. Growers on this data base were sent a questionnaire with previously reported crop, variety, trees, acreage, and planting information preprinted. Recipients were asked to update the information. The CASS' data base also was compared to the California Department of Pesticide Regulations (DPR) pesticide use permit list and some industry lists. Growers not included in CASS's data base were sent a blank questionnaire and asked to provide specific information on their respective grapes, almond, walnut, and/or prune acreage.

Acreage questionnaires were mailed on December 26, 1997. Respondents were given about six weeks to return a response via mail. CASS personnel then conducted telephone follow-ups on non-respondents. Field personnel made personal visits to large growers and those CASS could not contact by mail or telephone. Survey data received on or before April 30, 1998 was edited and included in the final summary. Final analysis and summary work was completed on May 4, 1998.

ACKNOWLEDGMENTS

A special thanks goes to the many walnut farm operators and owners who provided information on their operations. The support was outstanding and we appreciate the time spent completing questionnaires. Likewise, thanks to the Walnut Marketing Board for providing funding and support of this special acreage update survey.

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1997 WALNUT ACREAGE BY COUNTY, BY YEAR PLANTED

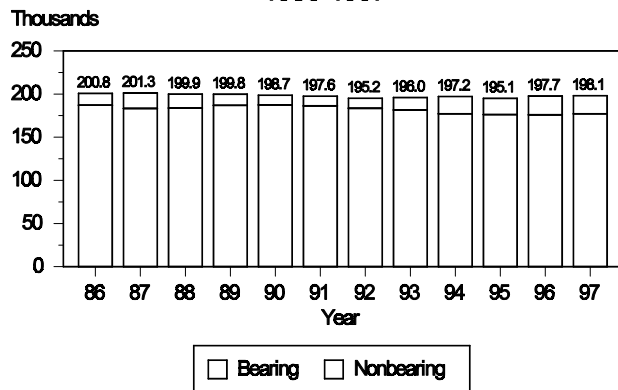
County	1985 & Earlier	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	Acres Standing in 1997		
														Bearing	Non-Bearing	Total
ALAMEDA	92.6	0.4	0.0	0.0	0.0	0.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0	94.4	0.0	94.4
AMADOR	519.8	2.0	0.0	0.0	0.0	27.0	8.5	0.9	8.6	1.0	18.2	5.8	1.7	563.6	29.9	593.5
BUTTE	13,947.6	356.4	311.2	421.7	570.9	385.7	362.0	431.2	403.6	1,093.6	230.3	227.9	269.0	17,108.1	1,903.0	19,011.1
CALAVERAS	634.7	67.2	4.4	0.0	7.5	2.6	0.0	0.0	0.0	5.4	0.0	12.4	0.0	716.4	17.8	734.2
COLUSA	4,146.8	41.9	35.6	140.3	23.6	76.9	19.3	29.3	134.7	28.1	54.8	38.2	10.0	4,640.5	139.0	4,779.5
CONTRA COSTA	770.6	39.8	78.9	67.4	37.3	7.8	7.3	25.4	14.8	1.9	5.5	7.8	39.0	1,034.6	68.9	1,103.5
EL DORADO	260.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	260.2	0.9	261.1
FRESNO	2,454.1	68.7	28.2	87.1	163.4	59.4	72.0	109.7	53.4	67.4	102.1	152.4	89.0	3,089.0	417.9	3,506.9
GLENN	4,917.1	124.5	55.0	4.7	147.9	183.9	103.7	145.5	418.5	406.2	409.6	437.9	251.3	6,020.8	1,585.0	7,605.8
KERN	1,379.1	0.0	0.0	19.2	0.0	14.1	15.9	11.9	0.0	0.2	0.1	17.0	0.2	1,440.2	17.5	1,457.7
KINGS	4,459.5	59.9	86.2	70.8	134.3	180.5	125.2	178.6	251.3	479.2	204.7	311.9	45.3	5,450.1	1,137.3	6,587.4
LAKE	6,131.1	30.2	43.3	9.2	115.8	12.1	22.3	24.9	2.2	26.7	29.3	7.7	3.1	6,364.0	93.9	6,457.9
LOS ANGELES	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
MADERA	804.4	0.0	17.1	10.1	0.0	48.9	0.0	16.9	88.2	5.0	7.4	32.8	0.0	967.7	63.1	1,030.8
MARIN	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	13.3
MENDOCINO	81.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	2.9	83.5	2.9	86.4
MERCED	4,276.5	94.1	35.6	17.1	107.3	90.3	263.0	239.1	265.3	180.9	254.8	104.3	70.2	5,325.4	673.1	5,998.5
MONTEREY	169.0	5.6	37.7	61.9	33.1	0.0	20.0	0.0	0.0	0.0	0.0	0.4	0.0	327.3	0.4	327.7
NAPA	191.5	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.5	0.0	28.9	0.0	192.1	29.4	221.5
NEVADA	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2
ORANGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLACER	1,527.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	0.0	0.0	1,551.8	0.0	1,551.8
RIVERSIDE	39.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.2	0.0	39.2
SACRAMENTO	117.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	117.1	1.7	118.8
SAN BENITO	2,418.4	55.3	41.2	18.6	103.8	46.5	31.2	8.3	59.7	16.1	43.5	23.2	8.3	2,739.1	135.0	2,874.1
SAN BERNARDINO	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9
SAN DIEGO	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	0.0	19.9
SAN JOAQUIN	22,707.4	564.3	542.3	476.7	411.6	657.1	727.7	676.5	768.0	1,063.1	794.3	576.5	504.9	27,143.3	3,327.1	30,470.4
SAN LUIS OBISPO	2,463.0	20.4	86.7	107.4	12.1	43.4	113.9	57.4	5.4	5.7	7.0	13.1	0.0	2,822.5	113.0	2,935.5
SAN MATEO	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1
SANTA BARBARA	707.9	0.0	20.7	0.0	0.0	24.8	0.0	0.0	0.0	0.0	4.8	2.8	5.6	753.4	13.2	766.6
SANTA CLARA	492.0	11.3	12.8	16.2	7.8	5.8	4.7	12.4	1.4	16.5	2.4	2.2	1.5	563.0	24.0	587.0
SANTA CRUZ	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5
SHASTA	896.5	4.1	0.0	1.0	14.2	22.1	0.0	0.3	1.0	0.0	0.0	0.0	35.0	937.9	36.3	974.2
SOLANO	2,778.2	47.8	393.4	108.9	527.8	132.6	108.2	170.3	67.3	104.6	145.5	141.6	160.8	4,199.4	687.6	4,887.0
SONOMA	217.7	1.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	19.4	0.0	224.5	19.5	244.0
STANISLAUS	15,183.0	487.2	594.6	533.8	501.7	723.8	266.4	676.4	684.4	747.5	957.8	565.1	410.6	19,346.0	2,986.3	22,332.3
SUTTER	11,012.4	409.4	369.4	300.3	264.6	473.8	499.3	425.3	672.2	456.9	385.2	565.6	205.5	14,316.0	1,723.9	16,039.9
TEHAMA	9,638.9	419.7	347.7	141.7	118.5	187.1	327.6	139.4	141.1	275.3	180.4	402.7	195.5	11,390.8	1,124.8	12,515.6
TULARE	18,973.5	351.0	206.7	533.3	214.6	422.0	490.8	676.4	639.3	805.2	918.0	741.0	523.5	22,451.1	3,044.2	25,495.3
TUOLUMNE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
VENTURA	249.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	249.7	0.0	249.7
YOLO	6,198.3	167.4	170.1	238.5	495.7	323.3	284.2	115.9	156.3	308.5	274.2	92.2	164.2	8,044.1	944.7	8,988.8
YUBA	5,431.4	182.9	127.5	229.0	130.0	177.4	141.0	135.3	182.5	23.9	92.0	89.9	204.6	6,595.3	552.1	7,147.4
STATE TOTAL	146,332.0	3,622.2	3,646.3	3,620.7	4,144.1	4,329.1	4,014.2	4,307.3	5,037.2	6,121.2	5,121.9	4,621.6	3,201.7	177,206.1	20,913.4	198,119.5

**WALNUT ACREAGE AS OF 1997 -- VARIETIES AND AGE GROUPS -- STATE SUMMARY
ACREAGE PLANTED DURING YEARS SHOWN AND STANDING IN 1997**

Variety	1985 & Earlier	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	Acres Standing in 1997 a/		
														Bearing	Non-Bearing	Total
AMIGO	319.2	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	320.8	0.0	320.8
ASHLEY	8,632.5	28.0	88.2	0.8	16.8	4.7	71.1	56.3	15.7	1.2	3.7	35.9	6.4	8,898.4	62.9	8,961.3
BLACKMER/ MAUTNER/ VAUGHN	1,176.2	0.0	3.7	0.0	0.0	5.0	0.0	0.0	0.0	0.5	4.0	0.6	0.0	1,184.9	5.1	1,190.0
CHANDLER	7,420.2	1,240.8	1,396.0	1,736.4	1,873.8	2,225.6	2,355.5	2,810.5	3,799.8	4,725.8	3,570.8	3,139.0	1,847.4	24,858.6	13,283.0	38,141.6
CHICO	3,195.0	83.2	15.9	99.4	34.1	32.0	200.1	12.6	1.9	22.7	45.7	0.5	4.0	3,674.2	72.9	3,747.1
CISCO	0.3	0.0	0.0	0.0	1.7	9.0	6.1	4.1	19.2	18.4	3.9	13.2	3.1	21.2	57.8	79.0
CONCORD	61.9	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.8	0.0	62.8
EUREKA	6,152.3	44.1	41.4	26.9	6.1	42.6	51.4	33.6	30.7	22.9	24.8	23.5	20.5	6,364.8	156.0	6,520.8
FRANQUETTE	13,256.9	84.0	62.0	93.9	101.2	96.0	85.0	23.9	55.7	82.4	52.9	44.7	33.6	13,694.0	378.2	14,072.2
FRANQUETTE SCHARSCH	23.6	14.3	7.0	5.7	18.7	2.1	0.3	4.0	18.4	3.1	1.4	17.6	0.0	71.4	44.8	116.2
GROVE	115.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	7.3	115.8	7.4	123.2
GUSTINE	545.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	547.4	0.0	547.4
HARTLEY	45,245.0	1,425.6	1,376.8	1,036.2	1,192.5	978.0	598.7	678.3	283.3	208.5	300.1	293.6	383.7	51,852.8	2,147.5	54,000.3
HOWARD	270.9	46.3	16.0	1.0	161.7	15.7	0.0	40.9	80.8	6.4	91.6	98.2	204.3	633.3	400.5	1,033.8
LOMPOC	85.3	42.2	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.5	0.0	147.5
MARCHETTI	538.1	1.9	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0	542.0	13.4	555.4
MAYETTE	928.3	0.1	0.0	0.0	0.0	6.0	1.2	6.5	3.0	0.0	0.0	0.0	0.0	934.4	10.7	945.1
MIDLAND	257.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.8	0.0	257.7	7.0	264.7
NUGGETT	767.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	40.0	0.8	2.4	768.1	43.2	811.3
PAYNE	14,307.2	63.9	116.5	59.7	145.7	128.3	118.2	57.0	119.2	159.4	102.0	49.3	51.1	14,996.5	481.0	15,477.5
PEDRO	675.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	675.6	0.0	675.6
PIONEER	46.6	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	35.8	0.0	0.0	48.0	35.8	83.8
PLACENTIA	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.9	0.0	35.9
POE	578.6	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	579.4	0.2	579.6
ROOTSTOCK/ SEEDLINGS	31.0	3.7	4.4	24.3	6.6	3.0	1.4	0.0	1.0	68.2	17.9	25.3	38.3	74.4	150.7	225.1
SERR	21,292.4	76.7	112.0	79.1	61.7	123.0	123.4	136.5	77.7	283.0	249.9	468.3	67.3	22,004.8	1,146.2	23,151.0
SUNLAND	984.2	109.7	17.6	117.1	61.8	126.9	135.9	16.1	23.5	4.8	0.0	7.0	3.8	1,569.3	39.1	1,608.4
TEHAMA	5,620.7	7.0	0.0	13.9	0.0	54.7	10.0	0.0	1.8	0.8	9.3	30.2	0.0	5,706.3	42.1	5,748.4
TRINTA	1,133.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,133.8	0.0	1,133.8
TULARE	12.3	0.0	0.0	10.0	34.3	13.1	5.8	12.1	161.8	158.4	315.5	169.1	309.3	249.4	952.3	1,201.7
VINA	10,882.8	336.6	308.0	299.9	396.1	434.2	228.4	391.6	331.8	308.9	212.1	161.7	187.6	13,277.6	1,202.1	14,479.7
WATERLOO	818.7	0.3	17.9	14.1	0.3	0.0	21.7	0.0	2.8	0.0	15.8	0.0	0.0	873.0	18.6	891.6
WESTSIDE	88.9	7.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	96.1	0.1	96.2
WOODLAND	144.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	145.0	2.5	147.5
4946	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	55.0	8.3	63.3
59-124	34.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	54.0
ALL OTHERS	598.7	6.8	62.5	0.1	9.6	4.2	0.0	21.3	6.6	45.6	10.1	28.9	31.5	681.9	144.0	825.9
VARIETY TOTAL	146,332.0	3,622.2	3,646.3	3,620.7	4,144.1	4,329.1	4,014.2	4,307.3	5,037.2	6,121.2	5,121.9	4,621.6	3,201.7	177,206.1	20,913.4	198,119.5

a/ Shaded area represents non-bearing years and includes plantings of the following: Chandler, Chico, Howard, Tulare (1994-97); 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 (1993-97); Franquette, Franquette Scharsch, Mayette, Placentia, Poe, Willsons/Willsons Wonder, Woodland (1991-97); all other varieties not specified (1992-97).

California Walnut Acreage 1986-1997



COUNTIES SURVEYED IN 1998

- | | |
|-----------------|-------------|
| Butte | Santa Clara |
| Contra Costa | Shasta |
| Glenn | Solano |
| Mendocino | Sonoma |
| Placer | Stanislaus |
| Sacramento | Tehama |
| San Joaquin | Yolo |
| San Luis Obispo | Yuba |
| Santa Barbara | |