



***SUTTER COUNTY
CROP REPORT***

2000

WALNUTS

The first English, or Persian, Walnut* trees were brought to California around 1770 by the Mission fathers who acquired them in South America. These early trees bore small round nuts with very hard shells and were cultivated to a limited extent by early California pioneers, In 1856, Ozro W. Childs is reported to have planted the first commercial orchard in California. Today 99 percent of the total U.S. walnut crop is produced in California, with Sutter County among the leading walnut producing counties in the State.

*In Medieval days, walnuts were associated with English merchant sailors and were transported in ships around the world. Because of this, Persian walnuts were soon called English walnuts.



OFFICE OF THE
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS & MEASURES

MARK P. QUISENBERRY
Agricultural Commissioner
Sealer of Weights and Measures

Rick Landon
Assistant Agricultural Commissioner

Rallin C. Ahlers
Assistant Sealer

July 2001

To: William J. Lyons, Jr., Secretary and The Honorable Board of Supervisors,
California Department of Food County of Sutter:
and Agriculture Casey Kroon, Chair, District 1
 Dennis Nelson, District 2
 Larry Munger, District 3
 Joan Bechtel, District 4
 Dan Silva, District 5

In accordance with Section 2272 and 2279 of the California Food and Agricultural Code, I am pleased to submit the 2000 Sutter County Agricultural Crop Report. Sutter County's gross agricultural production value totaled \$343,496,100, with Rice, Prunes, Peaches, Walnuts and Tomatoes continuing as the leading agricultural commodities.

The significant issues that affected planted acreage and grower returns this year were the bankruptcy of Tri-Valley Growers, large crop surpluses, and agricultural trade policies that caused commodity prices to drop.

Sutter County (and California) peach and tomato growers were significantly impacted by the Tri-Valley incident. Only eighty-five percent of the (cling) peaches and only one-third of the contracted (canning) tomato acreage were processed. Efforts to limit supply and increase returns were implemented, but Federal trade policies that favor European Union and Asian subsidized crops have and continue to destabilize this and other California agricultural industries. Because of these policies, the peach industry had to remove over 30,000 tons of California processed peaches from the marketplace by implementing a peach tree pull program and dispose of or juice normally marketable peaches.

As summarized in this report, cropping patterns changed considerably in response to the myriad of marketing problems. However, despite all the problems associated with this year, agricultural production returned over \$1.2 Billion to our economy.

I would like to express my sincere appreciation to staff members Mike Furuta and Laura Poma, and to the many individuals involved in the agricultural industry that assisted in the compilation of this report.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "M. P. Quisenberry", with a long horizontal line extending to the right.

Mark P. Quisenberry
Agricultural Commissioner

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FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE

CROPS	YEAR	PRODUCTION		TOTAL	UNIT	VALUE	
		HARVESTED ACRES	PER ACRE			PER UNIT	TOTAL
Almonds, Meats	2000	5,549	0.61	3,385	Tons	\$ 1,837.58	\$ 6,220,200
	1999	4,476	0.87	3,894	Tons	1,600.00	6,230,400
Almonds, Hulls	2000			846	Tons	55.00	46,500
	1999			974	Tons	70.00	68,200
Apples	2000	600	7.23	4,338	Tons	221.86	962,400
	1999	765	7.77	5,944	Tons	233.54	1,388,200
Cherries	2000	31	0.97	30	Tons	2,420.45	72,600
	** 1999	31	4.52	140	Tons	2,513.54	351,900
Kiwifruit	2000	201	3.05	613	Tons	599.50	367,500
	1999	206	0.68	140	Tons	678.19	94,900
Peaches, Cling	2000	10,415	17.62	183,512	Tons	209.39	38,425,600
	1999	9,918	17.53	173,863	Tons	233.00	40,510,100
Peaches, Freestone	2000	31	2.31	72	Tons	510.34	36,700
	1999	MISCELLANEOUS CROP					-
Pears	2000	411	16.80	6,905	Tons	177.17	1,223,400
	1999	445	18.35	8,166	Tons	223.22	1,822,800
Persimmons	2000	128	4.24	543	Tons	361.87	196,500
	1999	128	3.61	462	Tons	385.03	177,900
Prunes, Dried	2000	27,326	1.95	53,286	Tons	816.55	43,510,700
	1999	24,600	1.77	43,542	Tons	941.44	40,992,200
Walnuts, English	2000	15,815	1.35	21,350	Tons	1,243.00	26,538,100
	1999	15,033	1.89	28,412	Tons	915.78	26,019,100
Walnuts, Black	2000	71	0.25	18	Tons	111.11	2,000
	1999	71	0.50	36	Tons	111.11	4,000
Miscellaneous Fruit & Nuts *	2000	288		622	Tons		455,100
	1999	392		1,163	Tons		940,100
Orchard By-Products	2000				Tons		1,618,100
	1999				Tons		1,387,700
TOTAL	2000	60,866				\$	119,675,400
	1999	56,065				\$	119,987,500

*Includes Apricots, Bushberries (Boysenberries, Blackberries & Raspberries), Chestnut, Feijoa/Guava, Figs, Grapefruit, Grapes, Jujube, Lemon, Limes, Loquat, Nectarines, Oranges (Mandarin, Naval & Valencia), Pecan, Pistachios, Plums, Pomegranates, Tangerines, and other miscellaneous fruit and nut crops of a limited number of growers/processors in Sutter County.

**1999 Corrected Figure

**FRUIT AND NUT CROPS
BEARING AND NON-BEARING ACREAGE***

CROP	BEARING ACRES		NON-BEARING ACRES	
	1999	2000	1999	2000
Almonds	4,476	5,549	1,457	1,511
Apples	765	724	109	109
Apricots	4	4	0	0
Cherries	33	31	0	2
Chestnuts	25	25	0	0
Grapes	83	83	2	2
Kiwi	206	201	0	0
Nectarines	64	65	1	14
Olives	10	10	0	0
Oranges, Navel	7	7	3	3
Oranges, Valencia	2	2	0	0
Peaches, Cling	9,918	10,415	3,884	2,921
Peaches, Freestone	103	103	3	3
Pears	445	411	93	92
Pecans	11	11	4	13
Persimmons	128	128	52	54
Pistachios	38	38	1	1
Plums	30	26	28	31
Prunes	24,600	27,326	5,858	1,337
Strawberries	24	25	0	0
Walnuts, Black	71	71	8	8
Walnuts, English	15,033	15,815	5,763	5,943
Miscellaneous**	27	8	3	0
TOTAL	56,103	61,078	17,269	12,044

* Acreage from California Crop and Livestock Reporting Service.

**Includes Bushberries, Chestnut, Feijoa/Guava, Fig, Grapefruit, Jojoba, Jujube, Lemon, Lime, Loquat, Oranges (Mandarin), Pomegranates, Tangelos, Tangerines, and other miscellaneous fruit and nut crops of a limited number of growers/processors in Sutter County.

**FIELD CROPS
ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION			UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL	
BEANS, DRY:								
Baby Lima	2000	3,800	0.89	3,382	Tons	\$	509.71	\$ 1,723,800
	1999	3,648	1.03	3,757	Tons		547.48	2,056,900
Blackeye	2000	815	0.97	791	Tons		491.41	388,700
	1999	1,189	0.76	904	Tons		458.15	414,200
Pink	2000	300	0.68	204	Tons		460.00	93,800
	1999	1,164	0.63	733	Tons		476.92	349,600
Kidney	2000	730	0.76	555	Tons		679.55	377,200
	1999	388	0.31	120	Tons		620.00	74,400
Miscellaneous*	2000	1,623		1,196	Tons			754,600
	1999	1,943		1,255	Tons			745,000
Corn, field Grain	2000	6,992	5.90	41,253	Tons		90.05	3,714,800
	1999	4,353	5.34	23,245	Tons		81.66	1,898,200
Hay, Alfalfa	2000	6,571	6.55	43,040	Tons		98.89	4,256,200
	1999	5,802	6.30	36,553	Tons		83.40	3,048,500
Hay, Grain	2000	3,805	2.42	9,208	Tons		55.00	506,400
	1999	4,968	1.55	7,700	Tons		45.00	346,500
Hay, Other	2000	2,445	2.90	7,091	Tons		50.00	354,600
	1999	2,947	2.70	7,957	Tons		53.00	421,700
Oats, Grain	2000	518	1.32	684	Tons		84.00	57,500
	1999	UNDER HAY, GRAIN						-
Pasture, Irrigated	2000	11,556			Acres		130.00	1,502,300
	1999	11,556			Acres		125.00	1,444,500
Pasture, Range, Dry	2000	57,245			Acres		9.00	515,200
	1999	57,245			Acres		8.00	458,000
Rice**	2000	107,704	4.37	470,666	Tons		271.00	127,550,500
	1999	100,087	3.75	375,326	Tons		292.00	109,595,200
Safflower	2000	12,914	1.15	14,851	Tons		236.19	3,507,700
	1999	15,977	1.28	20,451	Tons		300.00	6,135,300

FIELD CROPS continued

CROPS	YEAR	PRODUCTION			UNIT		VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE	TOTAL			PER UNIT	UNIT	
Sorghum, Grain	2000	616	2.91	1,793	Tons	\$	85.00	\$	152,400
	1999	199	2.75	547	Tons		83.84		45,900
Sugarbeets	2000	NONE							-
	1999	1,779	28.00	49,812	Tons		40.95		2,039,800
Wheat, Grain	2000	9,003	2.15	19,356	Tons		87.72		1,697,900
	1999	7,921	2.36	18,694	Tons		89.58		1,674,600
Wild Rice	2000	2,716	0.74	2,010	Tons		988.19		1,986,300
	1999	3,088	0.66	2,038	Tons		1,000.00		2,038,000
Miscellaneous***	2000	5,187		18,796	Tons				3,712,700
	1999	7,331		28,450	Tons				6,434,900
Field Crop By-Products	2000			79,296	Tons		14.00		1,110,100
	1999			62,461	Tons		12.73		795,100
TOTAL	2000	234,540						\$	153,962,700
	1999	231,585						\$	140,016,300

* Includes Beans (Cranberry, Pinto & Black Turtle) and other miscellaneous beans of a limited number of growers/processors in Sutter County.

** Includes Production Flexibility Contract (PFC) and Market Loss Assistance Payment.

***Includes Barley, Corn (Silage), Cotton, Millet, Popcorn, Sweet Rice and other miscellaneous field crops of a limited number of growers/processors in Sutter County.

**VEGETABLE CROPS
ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION		TOTAL	UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE			PER UNIT		
Melons,	2000	4,356	7.33	31,929	Tons	\$ 257.61	\$	8,225,200
Honeydew	1999	5,074	6.34	32,169	Tons	183.89		5,915,600
Tomatoes,	2000	9,700	34.22	331,934	Tons	51.84		17,207,500
Canning	1999	18,763	34.71	651,264	Tons	58.39		38,027,300
Watermelons	2000	20	9.82	196	Tons	236.00		46,300
	1999	491	14.32	7,031	Tons	102.29		719,200
Miscellaneous*	2000	550		3,026	Tons			1,928,800
	1999	1,323		5,748	Tons			2,798,900
TOTAL	2000	14,626					\$	27,407,800
	1999	25,651					\$	47,461,000

*Includes the following crops:

Asparagus, Beans (Yellow, Blue Lake, Favo, Green, Kentucky Wonder & Long) Beets, Broccoli, Brussel Sprouts, Cabbage, Cantaloupe, Carrots, Cauliflower, Chard (Swiss), Chayote, Cilantro, Corn (Sweet), Cucumber, Diakon, Eggplant, Gai-Lon, Garlic, Gourds, Greens (Mustard), Herbs, Jicama, Lettuce, Melons (Mixed & Bitter), Okra, Onion, Peas (Blackeye, Snap & Sugar), Peppers (Bell, Red & Chili), Potatoes, Potato (Sweet), Pumpkin (Farmers Market, Processing, Wholesale/Retail), Radish, Spinach, Squash, Tomatoes (Fresh & Greenhouse), Tomatillo, Turnips, Watercress, and other miscellaneous vegetables of a limited number of growers/processors in Sutter County.

**SEED CROPS
ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION		TOTAL	UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE			PER UNIT	UNIT	
Beans, Dry	2000	1,543	1,173	1,809,939	Lbs	\$	0.34	\$ 615,400
	1999	1,334	1,508	2,011,672	Lbs		0.32	643,700
Cantaloupe & Honeydew	2000	143	479	68,497	Lbs		2.40	164,400
	1999	215	409	87,935	Lbs		3.40	299,000
Cucumber	2000	720	288	207,360	Lbs		6.87	1,424,600
	1999	1,098	270	296,460	Lbs		7.30	2,164,200
Pumpkin & Squash	2000	479	508	243,332	Lbs		3.04	739,700
	1999	823	640	526,720	Lbs		3.19	1,680,200
Rice	2000	10,453	8,400	87,805,200	Lbs		0.17	14,926,900
	1999	4,207	7,130	29,995,910	Lbs		0.16	4,799,300
Safflower	2000	3,164	2,428	7,682,192	Lbs		0.11	845,000
	1999	1,984	2,223	4,410,432	Lbs		0.15	661,600
Sunflower	2000	1,765	1,344	2,372,160	Lbs		0.50	1,186,100
	1999	1,370	1,569	2,149,530	Lbs		0.60	1,289,700
Watermelon	2000	1,088	227	246,976	Lbs		6.29	1,553,500
	1999	1,254	220	275,880	Lbs		4.20	1,158,700
Wheat	2000	497	6,000	2,982,000	Lbs		0.05	149,100
	1999	1,771	2,360	4,179,560	Lbs		0.05	209,000
Miscellaneous*	2000	1,653		330,748	Lbs			1,831,600
	1999	3,253		1,316,735	Lbs			1,576,700
TOTAL	2000	21,505						\$ 23,436,300
	1999	17,309						\$ 14,482,100

*Includes Brussel Sprouts, Cabbage, Carrot, Clover, Collard, Kale, Onion, Tomato, Turnip, and other miscellaneous seed crops of a limited number of growers/processors in Sutter County.

**NURSERY PRODUCTS
ACREAGE, PRODUCTION AND VALUE**

NURSERY PRODUCTS	YEAR	FIELD ACRES	QUANTITY SOLD	UNIT	TOTAL
Fruit & Nut	2000	224	1,747,000	Each	\$ 6,430,300
Trees & Vines	1999	284	2,278,070	Each	9,776,300
Ornamental Trees, Shrubs and other Nursery Stock	2000	46			1,594,400
	1999	22			2,042,800
	2000	270			\$ 8,024,700
TOTAL	1999	306			\$ 11,819,100

**APIARY PRODUCTS
PRODUCTION AND VALUE**

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
Honey	2000	144,000	Pounds	\$ 0.51	\$ 73,400
	1999	160,276	Pounds	0.45	72,100
Beeswax	2000	2,160	Pounds	1.00	2,200
	1999	2,404	Pounds	1.75	4,200
Package Bees	2000	6,930	Pounds	5.25	36,400
	1999	7,700	Pounds	5.50	42,400
Queen Bees	2000	32,400	Each	8.00	259,200
	1999	36,000	Each	9.50	342,000
Pollination	2000	44,541	Colony	15.71	699,700
	1999	42,988	Colony	16.98	729,900
	2000				\$ 1,070,900
TOTAL	1999				\$ 1,190,600

**LIVESTOCK AND POULTRY
PRODUCTS
PRODUCTION AND VALUE**

ITEM	YEAR	PRODUCTION		UNIT	VALUE		TOTAL
		NUMBER	TOTAL LIVEWEIGHT		PER UNIT	UNIT	
Cattle & Calves	2000	9,440	69,241	Cwt.	\$ 76.23	\$	5,278,200
	1999	15,875	131,721	Cwt.	62.37		8,215,400
Sheep & Lambs	2000	16,118	19,922	Cwt.	74.25		1,479,200
	1999	20,148	24,289	Cwt.	70.48		1,711,900
Wool	2000	99,504		Lbs.	0.18		17,900
	1999	120,268		Lbs.	0.35		42,100
Miscellaneous*	2000						3,138,000
	1999						3,007,800
Livestock By-Products	2000						5,000
	1999						5,200
TOTAL	2000					\$	9,918,300
	1999					\$	12,982,400

*Includes Angora Fur, Aquaculture, Bait Products, Chickens, Chicken Eggs, Chukar, Ducks, Geese, Goats, Milk (Market) Hogs & Pigs, Pheasants, Pigeons, Rabbits, Rabbit Hides, Turkeys and other miscellaneous livestock and poultry of a limited number of growers/processors in Sutter County.

SUMMARY
FARM VALUE OF AGRICULTURAL PRODUCTION

	<u>1999</u>		<u>2000</u>
FRUIT & NUT CROPS *	\$ 119,987,500	FRUIT & NUT CROPS	\$ 119,675,400
FIELD CROPS	140,016,300	FIELD CROPS	153,962,700
SEED CROPS	14,482,100	SEED CROPS	23,436,300
VEGETABLE CROPS	47,461,000	VEGETABLE CROPS	27,407,800
NURSERY PRODUCTS	11,819,100	NURSERY PRODUCTS	8,024,700
APIARY PRODUCTS	1,190,600	APIARY PRODUCTS	1,070,900
LIVESTOCK PRODUCTS	12,982,400	LIVESTOCK PRODUCTS	9,918,300
TOTAL *	\$ 347,939,000		\$ 343,496,100

TEN LEADING CROPS AND VALUE**

	<u>1999</u>		<u>2000</u>
RICE	\$ 119,256,600	RICE	\$ 144,556,300
PRUNES	\$ 40,992,200	PRUNES	\$ 43,510,700
PEACHES	\$ 40,697,600	PEACHES	\$ 38,462,300
TOMATOES	\$ 38,142,000	WALNUTS	\$ 26,540,100
WALNUTS	\$ 26,023,100	TOMATOES	\$ 17,544,100
NURSERY PRODUCTS	\$ 11,819,100	MELONS	\$ 10,137,006
MELONS	\$ 8,226,500	NURSERY PRODUCTS	\$ 8,024,700
CATTLE & CALVES	\$ 8,215,400	ALMONDS	\$ 6,266,700
SAFFLOWER	\$ 6,796,900	CATTLE & CALVES	\$ 5,278,200
ALMONDS	\$ 6,298,600	ALFALFA HAY	\$ 4,256,200

*1999 Corrected Figure

**Includes Seed. Rice does not include Wild Rice.

**GROSS VALUE
OF
AGRICULTURAL PRODUCTION**

<u>YEAR</u>	<u>VALUE</u>	<u>YEAR</u>	<u>VALUE</u>
1945	\$ 33,381,000	1973	\$ 159,204,000
1946	\$ 41,347,000	1974	\$ 179,719,000
1947	\$ 41,291,000	1975	\$ 187,517,000
1948	\$ 39,684,000	1976	\$ 178,554,000
1949	\$ 36,731,000	1977	\$ 200,878,000
1950	\$ 41,930,000	1978	\$ 220,502,000
1951	\$ 52,003,000	1979	\$ 258,666,900
1952	\$ 49,494,000	1980	\$ 299,014,700
1953	\$ 44,815,000	1981	\$ 316,465,900
1954	\$ 38,783,000	1982	\$ 247,784,100
1955	\$ 43,224,000	1983	\$ 205,335,300
1956	\$ 49,381,000	1984	\$ 262,285,500
1957	\$ 41,313,000	1985	\$ 255,449,600
1958	\$ 38,786,000	1986	\$ 229,364,800
1959	\$ 50,707,000	1987	\$ 216,183,600
1960	\$ 50,536,000	1988	\$ 201,345,800
1961	\$ 55,585,000	1989	\$ 243,940,200
1962	\$ 57,322,000	1990	\$ 217,400,000
1963	\$ 55,155,000	1991	\$ 268,941,900
1964	\$ 66,740,000	1992	\$ 285,622,700
1965	\$ 64,564,000	1993	\$ 292,108,300
1966	\$ 71,627,000	1994	\$ 340,171,300
1967	\$ 69,313,000	1995	\$ 330,170,500
1968	\$ 80,275,000	1996	\$ 302,706,400
1969	\$ 74,006,000	1997	\$ 277,169,700
1970	\$ 77,238,000	1998	\$ 268,323,100
1971	\$ 82,209,000	1999*	\$ 347,939,000
1972	\$ 95,118,000	2000	\$ 343,496,100

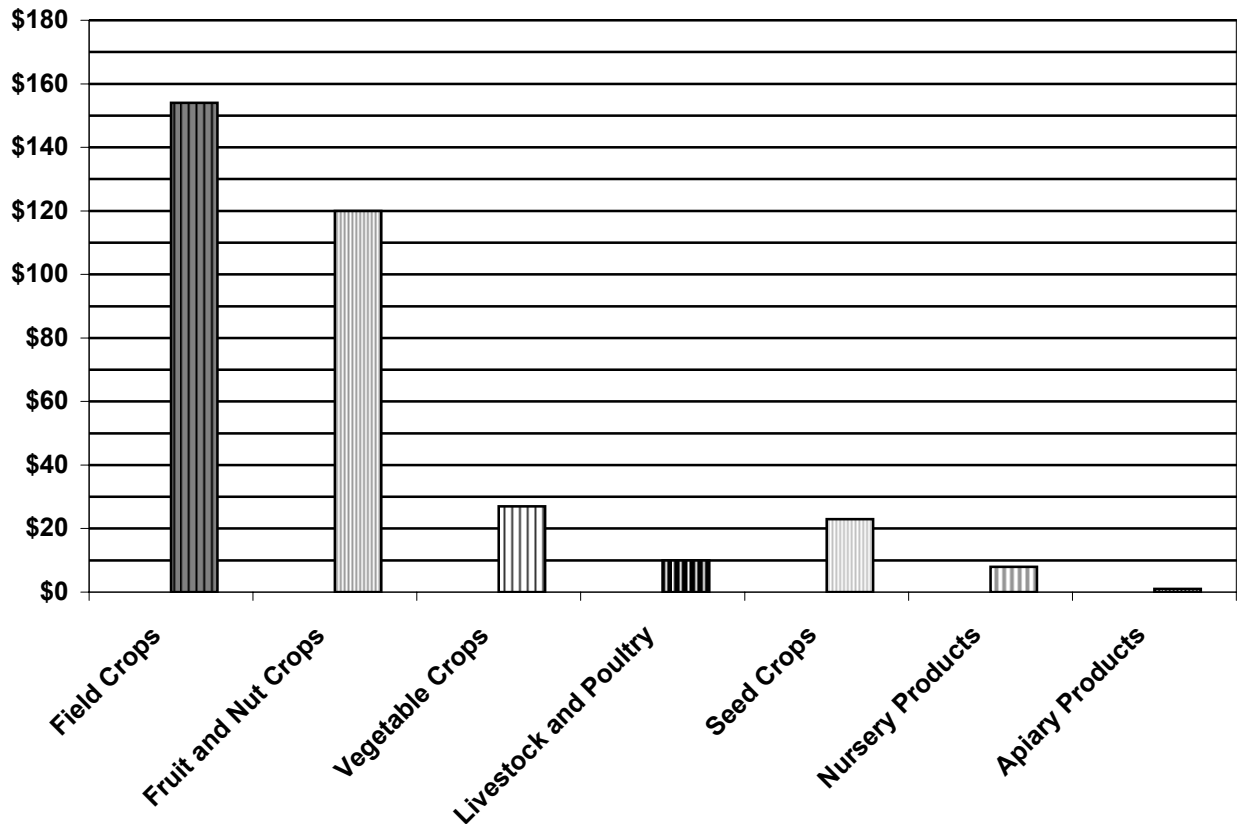
*Corrected Figure

AGRICULTURAL PRODUCTION COMPARISON

COUNTY	1999 RANK	GROSS VALUE	TOTAL COUNTY ACRES	FARMLAND ACRES	PERCENT FARMLAND	AG VALUE PER COUNTY ACRES
Fresno	1	\$ 3,565,510,600 *	3,840,000	2,106,555	55%	\$ 928.52
Tulare	2	\$ 3,078,186,000 *	3,158,400	1,578,952	50%	\$ 974.60
Monterey	3	\$ 2,441,795,450 *	2,127,359	1,426,031	67%	\$ 1,147.81
Kern	4	\$ 2,129,569,400 *	5,223,000	2,832,390	54%	\$ 407.73
Sutter	19	\$ 347,651,200 *	389,440	348,223	89%	\$ 892.70

* County Crop Report

2000 SUTTER COUNTY AGRICULTURAL PRODUCTION (VALUE IN MILLIONS OF DOLLARS)



2000 SUTTER COUNTY EXPORTS

VEGETABLE SEEDS

Seeds include the following: Artichoke, asparagus, bean, beet, broccoli, cabbage, cantaloupe, carrot, cauliflower, celery, chard (swiss), collard, coriander, corn, cucumber, eggplant, endive, flower, garlic, leek, lettuce, melon, mustard, okra, onion, parsley, pea, pepper, pumpkin, radicchio, radish, spinach, squash, sunflower, tomato, turnip, watermelon, grass seed

Argentina	Honduras	Peru
Australia	Hong Kong	Philippines
Bolivia	India	Portugal
Brazil	Italy	Russia Federation
Chile	Jamaica	Saudi Arabia
Colombia	Japan	Sri Lanka
Czech Republic	Kenya	South Africa
Dominican Republic	Rep. of Korea	Spain
Ecuador	Martinique	Thailand
Egypt	Mexico	Trinidad & Tobago
France	Morocco	Turkey
Germany	Netherlands	United Arab Emirates
Ghana	New Zealand	Uruguay
Greece	Nicaragua	Venezuela
Guatemala	Pakistan	
Haiti	Panama	

PADDY RICE/WILD RICE

Taiwan

DRIED PRUNES

Argentina	Hong Kong	People's Republic of China
Australia	India	Poland
Belgium	Israel	Russian Republic
Brazil	Italy	Spain
Colombia	Japan	Sweden
Czech Republic	Rep. of Korea	Switzerland
Denmark	Lativa	Taiwan
Ecuador	Lebanon	Turkey
Egypt	Malaysia	United Arab Emirates
Finland	Mexico	United Kingdom
French Polynesia	Netherlands	Ukraine
Greece	New Zealand	Venezuela
Germany	Norway	
Holland	Panama	

DRY BEANS/PEAS

Austria	Republic of Korea
Australia	Netherlands
Belize	Pakistan
India	Panama
Italy	Taiwan
Jamaica	Trinidad & Tobago
Jordan	Uruguay

FRESH KIWI

Japan, Republic of Korea, Taiwan

WALNUTS - MEATS AND IN SHELL

Italy, Spain, Netherlands, Venezuela

WALNUT SHELLS

Germany,
People's Republic of China

WALNUT BURLS

Switzerland

WALNUT TREES

Argentina

PEAT MOSS

China

FRESH MELONS

Japan, Mexico

PEACHES

Taiwan

APRICOT KERNELS

Mexico

PEACH SEED

Australia

FRESH PRUNES

Taiwan

STRAWBERRY PLANTS

Argentina, Columbia, Cyprus, Ecuador, Egypt, France, Mexico, Spain, Tunisia, Uruguay,

**SUSTAINABLE AGRICULTURE
JANUARY - DECEMBER 2000**

ORGANIC PRODUCERS

Twenty-eight (28) Organic Producers Registered in Sutter County

BIOLOGICAL CONTROL

<u>Pest</u>	<u>Control Agent</u>	<u>Program Scope</u>
Puncture Vine <i>Tribulus terrestris</i>	Seed & Stem Weevils <i>Microlarinus lareynii</i> <i>Microlarinus lypriformis</i>	Survey Countywide Countywide
Yellow Starthistle (YST) <i>Centaurea solstitialis</i>	Flower & Head Weevils <i>Bangasternus orientalis</i> <i>Larinus curtus</i> YST Hairy Weevil <i>Eustenopus villosus</i> YST Gall Fly <i>Urophora sirunaseva</i>	Survey 10 sites; no releases 2 sites; no releases 11 sites; 2 releases Countywide

PEST DETECTION

	<u>Visual Hours</u>	<u>Number of Properties</u>	<u>Number of Acres</u>	<u>Number of Trees</u>
Commercial	8	1	80	
Public Contact	140	10	5	
Nursery Inspection	7		250	
Certification	1,092	213	5,369	
Special Survey:				
Apple Maggot	96.5	9	615	
Jointedvetch	0	2	2	
Purple Loosestrife	42	12	12	
Cherry-Mediterranean Fruit Fly	9.5	4	33	
Khapra Beetle	41.5	28	28	
Exotic Fruit Pests-McPhail	45	12	12	
Olive Fruit Fly	178	16	34	
Glassy-Winged Sharpshooter	1,112	186	1,696	
Plum Pox	40	1	-	7,450

EXOTIC PEST DETECTION

	<u>Traps in Operation (Seasonal High)</u>	<u>Total Number of Services</u>
Mediterranean Fruit Fly	110	1,210
Oriental Fruit Fly	21	208
Melon Fruit Fly	21	178
Gypsy Moth	61	356
Japanese Beetle	42	277
European Pine Shoot Moth	5	24
Khapra Beetle	176	323
Olive Fruit Fly	18	179
Cherry-Mediterranean Fruitfly	9	36
Apple Maggot	72	504
Medfly-McPhail	12	144
Glassy-Winged Sharpshooter	251	1,767

PEST ERADICATION

	<u>Properties</u>
White Horsenettle	5
Purple Starthistle	1
Purple Loosestrife	3

PEST EXCLUSION

	<u>Total Units Inspected</u>
Interstate, Intrastate, & Foreign Shipments	24,725

VERTEBRATE PEST CONTROL

	<u>Properties</u>	<u>Control Agents</u>	<u>Units Used/Sold</u>
Ground Squirrels, Gophers, Jackrabbits, Rats & Mice	554	Anticoagulant Bait Anticoagulant, Paraffin Blocks Zinc Phosphide Bait Strychnine (Below ground use only)	1,895 3,010 1,505 8
Muskrats, Skunks, Opossums, Raccoons, Fox, Beavers & Coyotes	736	13	

AGRICULTURAL COMMISSIONER
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ASSISTANT DIRECTOR OF WEIGHTS & MEASURES
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