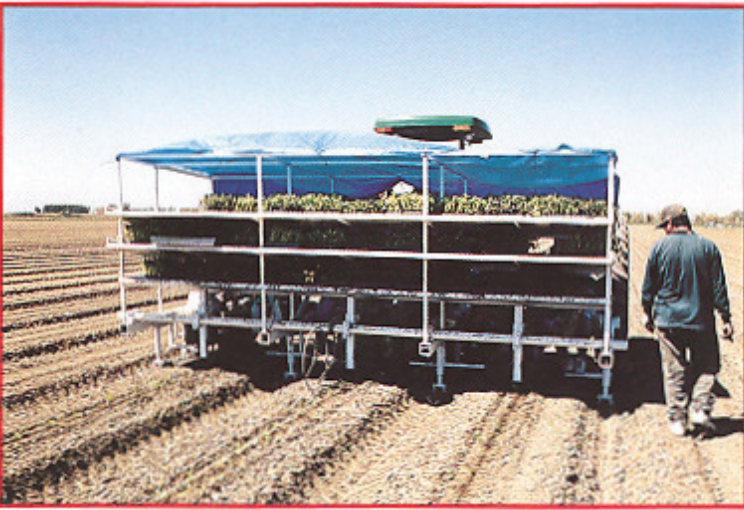


1999 SUTTER COUNTY CROP REPORT





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

June 2000

To: William J. Lyons, Jr., Secretary
California Department of Food
and Agriculture

and The Honorable Board of Supervisors,
County of Sutter:
Joan Bechtel, Chair, District 4
Casey Kroon, District 1
Dennis Nelson, District 2
Larry Munger, District 3
Dick Akin, District 5

In accordance with Section 2272 and 2279 of the California Food and Agricultural Code, I am pleased to submit the 1999 Sutter County Agricultural Crop Report. Sutter County's gross agricultural production value totaled \$347,651,200, with Rice, Prunes, Peaches, Tomatoes and Walnuts continuing as the leading agricultural commodities.

Hit with an unseasonably cool spring and summer, including a late freeze in April and hail in June, orchard crops rebounded and matured into a crop of exceptional quality. Field crops, on the other hand, experienced sporadic decreases in yield. However, the late arrival of fall allowed for an extended harvest of field crops in spite of these difficulties. Increased market demand for many crops resulted in favorable returns for Sutter County growers, where overall, Sutter County production values increased 29 percent in comparison to 1998.

As with other businesses, the vigorous economy strengthened the position of the agricultural industry, continuing the positive financial return to the local economy. Banking, labor, marketing, transportation, and other services directly or in-directly tied to agriculture benefited substantially, making the 1999 economic value worth more than \$1.2 Billion.

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 be "M. Quisenberry", written over a horizontal line.

Mark P. Quisenberry
Agricultural Commissioner

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**FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION			UNIT	VALUE	
		HARVESTED ACRES	PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds, Meats	1999	4,476	0.87	3,894	Tons	1,600.00	\$ 6,230,400
	1998	4,026	0.68	2,738	Tons	3,017.84	8,262,800
Almonds, Hulls	1999			974	Tons	70.00	68,200
	1998			685	Tons	70.00	48,000
Apples	1999	765	7.77	5,944	Tons	233.54	1,388,200
	1998	826	9.46	7,814	Tons	197.59	1,544,000
Cherries	1999	31	1.02	32	Tons	2,003.13	64,100
	1998	NO PRODUCTION					
Kiwifruit	1999	206	0.68	140	Tons	678.19	94,900
	1998	220	3.40	748	Tons	680.51	509,000
Peaches, Cling	1999	9,918	17.53	173,863	Tons	233.00	40,510,100
	1998	9,501	16.12	153,156	Tons	223.76	34,270,200
Peaches, Freestone	1999	MISCELLANEOUS CROP			Tons		
	1998	121	4.80	581	Tons	625.00	363,100
Pears	1999	445	18.35	8,166	Tons	223.22	1,822,800
	1998	432	12.02	5,193	Tons	214.68	1,114,800
Persimmons	1999	128	3.61	462	Tons	385.03	177,900
	1998	126	2.17	273	Tons	454.20	124,000
Prunes, Dried	1999	24,600	1.77	43,542	Tons	941.44	40,992,200
	1998	20,599	1.11	22,865	Tons	742.26	16,971,800
Walnuts, English	1999	15,033	1.89	28,412	Tons	915.78	26,019,100
	1998	14,783	1.21	17,887	Tons	1,115.02	19,944,400
Walnuts, Black	1999	71	0.50	36	Tons	111.11	4,000
	1998	71	0.25	18	Tons	111.11	2,000
Miscellaneous Fruit & Nuts *	1999	392		1,163	Tons		940,100
	1998	306		309	Tons		306,100
Orchard By-Products	1999				Tons		1,387,700
	1998				Tons		1,060,000
TOTAL	1999	56,065					119,699,700
	1998	51,011					\$ 84,520,200

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

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

CROP	BEARING ACRES		NON-BEARING ACRES	
	1998	1999	1998	1999
Almonds	4,026	4,476	1,250	1,457
Apples	826	765	100	109
Apricots	5	4	0	0
Cherries	33	33	0	0
Chestnuts	21	25	4	0
Grapes	82	83	0	2
Kiwi	220	206	0	0
Nectarines	74	64	5	1
Olives	10	10	0	0
Oranges, Navel	5	7	0	3
Oranges, Valencia	2	2	0	0
Peaches, Cling	9,501	9,918	1,324	3,884
Peaches, Freestone	121	103	29	3
Pears	432	445	13	93
Pecans	11	11	4	4
Persimmons	126	128	52	52
Pistachios	38	38	1	1
Plums	32	30	0	28
Prunes	20,599	24,600	4,487	5,858
Strawberries	23	24	0	0
Walnuts, Black	71	71	8	8
Walnuts, English	14,783	15,033	5,801	5,763
Miscellaneous**	26	27	0	3
TOTAL	51,067	56,103	13,078	17,269

* Acreage from California Crop and Livestock Reporting Service.

**Includes Bushberries, Feijoa/Guava, Fig, Grapefruit, Jujube, Lemon, Lime, Loquat, Oranges (Mandarin), Pomegranates, 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	
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS, DRY:							
Baby Lima	1999	3,648	1.03	3,757	Tons	\$ 547.48	\$ 2,056,900
	1998	1,455	0.89	1,295	Tons	797.54	1,032,800
Blackeye	1999	1,189	0.76	904	Tons	458.15	414,200
	1998	2,758	0.67	1,848	Tons	592.15	1,094,300
Pink	1999	1,164	0.63	733	Tons	476.92	349,600
	1998	2,662	0.84	2,236	Tons	465.46	1,040,800
Kidney	1999	388	0.31	120	Tons	620.00	74,400
	1998	MISCELLANEOUS CROP					
Miscellaneous*	1999	1,943		1,255	Tons		745,000
	1998	1,321		991	Tons		702,900
Corn, field Grain	1999	4,353	5.34	23,245	Tons	81.66	1,898,200
	1998	5,791	4.28	24,785	Tons	107.95	2,675,500
Hay, Alfalfa	1999	5,802	6.30	36,553	Tons	83.40	3,048,500
	1998	6,279	5.50	34,535	Tons	102.80	3,550,200
Hay, Grain	1999	4,968	1.55	7,700	Tons	45.00	346,500
	1998	4,838	1.65	7,983	Tons	39.62	316,300
Hay, Other	1999	2,947	2.70	7,957	Tons	53.00	421,700
	1998	3,048	1.58	4,816	Tons	44.49	214,300
Oats, Grain	1999	UNDER HAY, GRAIN					
	1998	451	1.28	577	Tons	87.00	50,200
Pasture, Irrigated	1999	11,556			Acres	125.00	1,444,500
	1998	21,500			Acres	120.00	2,580,000
Pasture, Range, Dry	1999	57,245			Acres	8.00	458,000
	1998	50,000			Acres	8.00	400,000
Rice**	1999	100,087	3.75	375,326	Tons	292.00	109,595,200
	1998	94,442	3.40	321,103	Tons	255.00	81,881,300
Safflower	1999	15,977	1.28	20,451	Tons	300.00	6,135,300
	1998	17,632	0.96	16,927	Tons	300.00	5,078,100

FIELD CROPS continued

CROPS	YEAR	PRODUCTION			UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL	
Sorghum, Grain	1999	199	2.75	547	Tons	\$	83.84	\$ 45,900
	1998	357	2.40	857	Tons		100.40	86,000
Sugarbeets	1999	1,779	28.00	49,812	Tons		40.95	2,039,800
	1998	2,742	25.00	68,550	Tons		40.95	2,807,100
Wheat, Grain	1999	7,921	2.36	18,694	Tons		89.58	1,674,600
	1998	9,886	2.00	19,772	Tons		102.32	2,023,100
Wild Rice	1999	3,088	0.66	2,038	Tons		1,000.00	2,038,000
	1998	2,859	0.68	1,944	Tons		1,035.82	2,013,600
Miscellaneous***	1999	7,331		28,450	Tons			6,434,900
	1998	6,000		14,992	Tons			3,762,200
Field Crop By-Products	1999			62,461	Tons		12.73	795,100
	1998							714,600
TOTAL	1999	231,585						\$ 140,016,300
	1998	234,021						\$ 112,023,300

* Includes Beans (Cranberry, Pinto, Small White, Red & 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			UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
Melons, Honeydew	1999	5,074	6.34	32,169	Tons	\$ 183.89	\$ 5,915,600
	1998	5,095	7.64	38,926	Tons	181.62	7,069,700
Pumpkins	1999	MISCELLANEOUS CROP			Tons		
	1998	650	10.00	6,500	Tons	30.27	196,800
Squash	1999	MISCELLANEOUS CROP			Tons		
	1998	300	8.07	2,421	Tons	213.04	515,800
Tomatoes, Canning	1999	18,763	34.71	651,264	Tons	58.39	38,027,300
	1998	16,532	29.38	485,710	Tons	54.00	26,228,300
Watermelons	1999	491	14.32	7,031	Tons	102.29	719,200
	1998	548	20.00	10,960	Tons	85.00	931,600
Miscellaneous*	1999	1,323		5,748	Tons		2,798,900
	1998	852		2,573	Tons		1,736,700
TOTAL	1999	25,651				\$	47,461,000
	1998	23,977				\$	36,678,900

*Includes the following crops:

Arugula, Artichoke, Asparagus, Beans (Purple, Yellow, Hmong, Pinto, Blue Lake, Bush, Fava, Green, Kentucky Wonder & Long), Beets, Broccoli, Cabbage, Cantaloupe, Carrots, Cauliflower, Chard (Swiss & Red), Chayote, Choy (Bok & Hann), Cilantro, Corn (Indian & Sweet), Cucumber, Diakon, Eggplant, Feeno (Greek), Gai-Lon, Garlic, Gourds, Greens (Bitter, Butter, Chinese & Mustard), Herbs, Kai Lann, Kohlrabi, Leeks, Lettuce, Luffa, Melons (Mixed & Bitter), Okra, Onion, Peas (Blackeye, Snow & Sugar Snap), Peppers (Bell, Red & Chili), Potatoes, Pumpkins (Farmers Market, Processing & Wholesale), Radish, Spinach, Squash, Strawberries, Tomatoes (Fresh & Greenhouse), Turnips, Yams and other miscellaneous vegetables of a limited number of growers/processors in Sutter County.

**SEED CROPS
ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION			UNIT	VALUE			
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL		
Beans, Dry	1999	1,334	1,508	2,011,672	Lbs	\$	0.32	\$	643,700
	1998	1,134	1,147	1,300,698	Lbs		0.33		429,200
Cantaloupe & Honeydew	1999	215	409	87,935	Lbs		3.40		299,000
	1998	134	413	55,342	Lbs		2.65		146,700
Cucumber	1999	1,098	270	296,460	Lbs		7.30		2,164,200
	1998	750	359	269,250	Lbs		5.82		1,567,000
Pumpkin & Squash	1999	823	640	526,720	Lbs		3.19		1,680,200
	1998	808	588	475,104	Lbs		2.73		1,297,000
Rice	1999	4,207	7,130	29,995,910	Lbs		0.16		4,799,300
	1998	3,310	7,600	25,156,000	Lbs		0.14		3,521,800
Safflower	1999	1,984	2,223.00	4,410,432	Lbs		0.15		661,600
	1998	3,710	1,625.00	6,028,750	Lbs		0.15		904,300
Sunflower	1999	1,370	1,569	2,149,530	Lbs		0.60		1,289,700
	1998	1,688	1,147.00	1,936,136	Lbs		0.55		1,064,900
Watermelon	1999	1,254	220	275,880	Lbs		4.20		1,158,700
	1998	1,028	369.00	379,332	Lbs		3.51		1,331,500
Wheat	1999	1,771	2,360	4,179,560	Lbs		0.05		209,000
	1998	1,579	1,531	2,417,449	Lbs		0.07		169,200
Miscellaneous*	1999	3,253		1,316,735	Lbs				1,576,700
	1998	898		751,520	Lbs				1,017,800
TOTAL	1999	17,309						\$	14,482,100
	1998	15,039						\$	11,449,400

*Includes Cabbage, Carrot, Clover, Cowpeas, Kale, Kohlrabi, Onion, Tomato, Turnip, Wild Rice, 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	1999	284	2,278,070	Each	\$ 9,776,300
Trees & Vines	1998	230	2,256,372	Each	9,461,800
Ornamental Trees, Shrubs and other Nursery Stock	1999	22			2,042,800
	1998	61			429,100
	1999	306			\$ 11,819,100
TOTAL	1998	291			\$ 9,890,900

**APIARY PRODUCTS
PRODUCTION AND VALUE**

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
Honey	1999	160,276	Pounds	\$ 0.45	\$ 72,100
	1998	336,580	Pounds	0.60	201,900
Beeswax	1999	2,404	Pounds	1.75	4,200
	1998	8,554	Pounds	1.74	14,900
Package Bees	1999	7,700	Pounds	5.50	42,400
	1998	7,700	Pounds	9.00	69,300
Queen Bees	1999	36,000	Each	9.50	342,000
	1998	22,420	Each	5.50	123,300
Pollination	1999	42,988	Colony	16.98	729,900
	1998	46,148	Colony	21.63	998,200
	1999				\$ 1,190,600
TOTAL	1998				\$ 1,407,600

**LIVESTOCK AND POULTRY
PRODUCTS
PRODUCTION AND VALUE**

ITEM	YEAR	PRODUCTION			UNIT	VALUE PER UNIT	TOTAL
		NUMBER	TOTAL LIVEWEIGHT				
Cattle & Calves	1999	15,875	131,721	Cwt.	\$ 62.37	\$ 8,215,400	
	1998	16,760	146,397	Cwt.	52.87	7,740,000	
Sheep & Lambs	1999	20,148	24,289	Cwt.	70.48	1,711,900	
	1998	19,848	24,533	Cwt.	62.45	1,532,100	
Wool	1999	120,268		Lbs.	0.35	42,100	
	1998	122,532		Lbs.	0.40	49,000	
Miscellaneous*	1999					3,007,800	
	1998					3,026,700	
Livestock By-Products	1999					5,200	
	1998					5,000	
TOTAL	1999					\$ 12,982,400	
	1998					\$ 12,352,800	

*Includes Angora Fur, Aquaculture, Bait Products, Chickens, Chicken Eggs, Ducks, Geese, Goats, Milk (Market), Chukar, 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>1998</u>		<u>1999</u>
FRUIT & NUT CROPS	\$ 84,520,200	FRUIT & NUT CROPS	\$ 119,699,700
FIELD CROPS	112,023,300	FIELD CROPS	140,016,300
SEED CROPS	11,449,400	SEED CROPS	14,482,100
VEGETABLE CROPS	36,678,900	VEGETABLE CROPS	47,461,000
NURSERY PRODUCTS	9,890,900	NURSERY PRODUCTS	11,819,100
APIARY PRODUCTS	1,407,600	APIARY PRODUCTS	1,190,600
LIVESTOCK & POULTRY PRODUCTS	12,352,800	LIVESTOCK & POULTRY PRODUCTS	12,982,400
TOTAL	\$ 268,323,100		\$ 347,651,200

TEN LEADING CROPS AND VALUE*

	<u>1998</u>		<u>1999</u>
RICE	\$ 87,963,300	RICE	\$ 119,256,600
WALNUTS	\$ 34,270,200	PRUNES	\$ 40,992,200
PRUNES	\$ 26,332,600	PEACHES	\$ 40,697,600
PEACHES	\$ 19,944,400	TOMATOES	\$ 38,142,000
TOMATOES	\$ 16,971,800	WALNUTS	\$ 26,023,100
MELONS	\$ 9,890,900	NURSERY PRODUCTS	\$ 11,819,100
NURSERY PRODUCTS	\$ 9,760,900	MELONS	\$ 8,226,500
SAFFLOWER	\$ 8,310,800	CATTLE & CALVES	\$ 8,215,400
CATTLE & CALVES	\$ 7,740,000	SAFFLOWER	\$ 6,796,900
BEANS	\$ 5,982,400	ALMONDS	\$ 6,298,600

*Includes Seed. Rice does not include Wild Rice.

**GROSS VALUE
OF
AGRICULTURAL PRODUCTION**

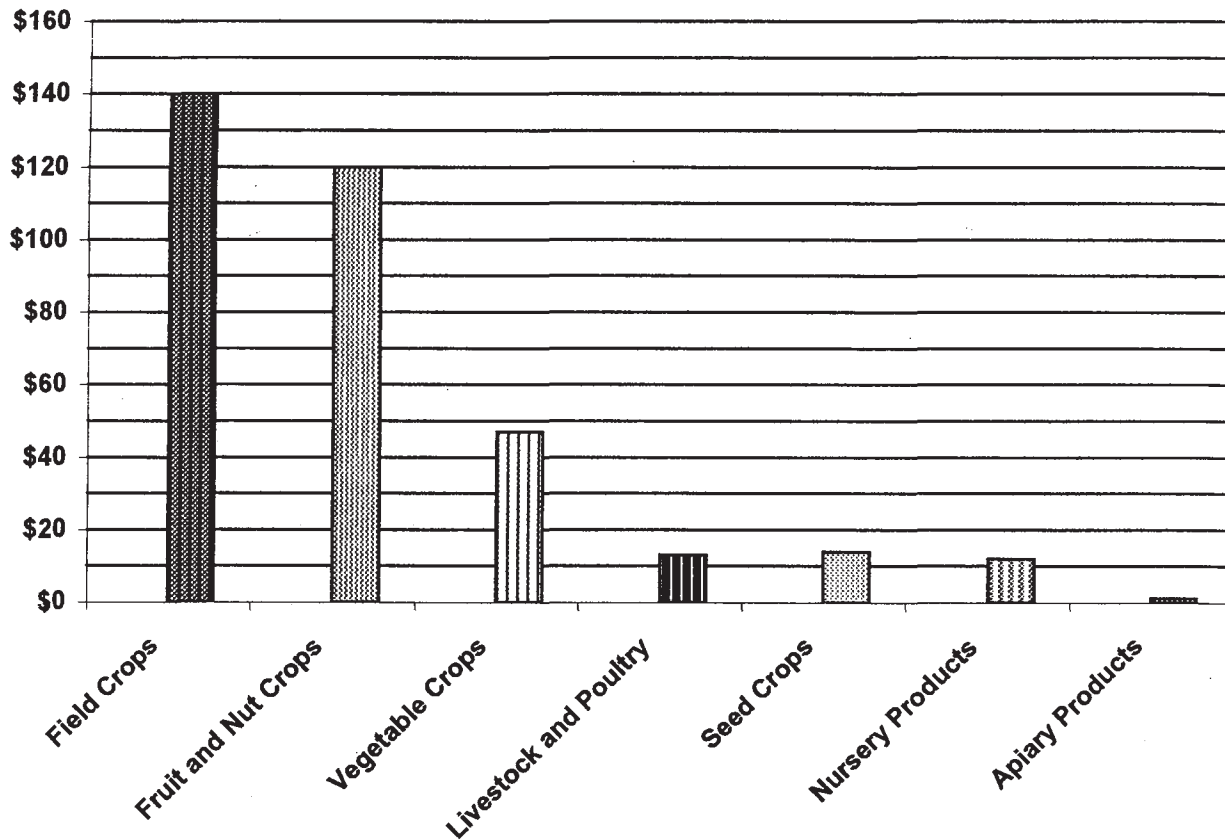
<u>YEAR</u>	<u>VALUE</u>	<u>YEAR</u>	<u>VALUE</u>
1945	\$ 33,381,000	1973	\$ 159,204,000
1946	\$ 41,347,000	1974	\$ 179,719,000
1947	\$ 41,291,000	1975	\$ 187,517,000
1948	\$ 39,684,000	1976	\$ 178,554,000
1949	\$ 36,731,000	1977	\$ 200,878,000
1950	\$ 41,930,000	1978	\$ 220,502,000
1951	\$ 52,003,000	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	\$ 347,651,200
1972	\$ 95,118,000		

AGRICULTURAL PRODUCTION COMPARISON

COUNTY	1998 RANK	GROSS VALUE	TOTAL COUNTY ACRES	FARMABLE ACRES	PERCENT FARMLAND	AG VALUE PER COUNTY ACRES
Fresno	1	\$ 3,431,940,000 *	3,840,000	2,134,726	56%	\$ 893.73
Tulare	2	\$ 2,896,726,000 *	3,158,400	1,607,352	51%	\$ 917.15
Monterey	3	\$ 2,267,323,000 *	2,127,359	1,380,000	65%	\$ 1,065.79
Kern	4	\$ 2,239,280,000 *	5,223,000	2,835,671	54%	\$ 428.73
<i>Sutter</i>	<i>23</i>	<i>\$ 277,170,000 *</i>	<i>389,440</i>	<i>355,965</i>	<i>91%</i>	<i>\$ 711.71</i>

* 1998 County Crop Report

1999 SUTTER COUNTY AGRICULTURAL PRODUCTION (VALUE IN MILLIONS OF DOLLARS)



SUTTER COUNTY EXPORTS**VEGETABLE SEEDS**

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

Africa	Haiti	Pakistan
Argentina	Honduras	Panama
Australia	Hong Kong	Peru
Bolivia	India	Philippines
Brazil	Indonesia	Portugal
Canada	Israel	Russia
Chile	Italy	Saudi Arabia
Colombia	Jamaica	Senegal
Costa Rica	Japan	Sri Lanka
Czech Republic	Korea	South Africa
Dominican Republic	Martinique	Spain
Ecuador	Mauritius	Thailand
Egypt	Mexico	Trinidad & Tobago
France	Morocco	Turkey
Ghana	Netherlands	United Arab Emirates
Greece	New Zealand	Uruguay
Grenada	Nicaragua	Venezuela
Guatemala	Oman	Vietnam
		Yemen

PADDY RICE/WILD RICE

Argentina	Germany	Turkey
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DRIED PRUNES

Aruba	Germany	Nicaragua
Australia	Hong Kong	Norway
Austria	Honduras	Panama
Brazil	India	Peru
Canada	Indonesia	Philippines
Colombia	Israel	Poland
Costa Rica	Italy	Russia
Czech Republic	Jamaica	Saudi Arabia
Dominican Republic	Japan	Spain
Ecuador	Korea	Sweden
Egypt	Malaysia	Trinidad/Tabogo
El Salvador	Malta	Turkey
Finland	Mexico	United Arab Emirates
French Polynesia	Netherlands	United Kingdom
Greece	New Zealand	Venezuela

FRESH PRUNES

Taiwan	Mexico	Spain
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STRAWBERRY PLANTS

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DRY BEANS/PEAS/POPCORN

Australia	Korea
Bahrain	Mexico
Belize	Netherlands
Colombia	New Caledonia
Cyprus	Panama
French Polynesia	Portugal
Holland	Taiwan
Italy	United Arab Emirates
Jamaica	Venezuela
Jordan	

APPLES

Taiwan	Japan
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FRESH SQUASH**FRESH KIWI**

Korea	Mexico	Philippines	Taiwan
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WALNUTS - MEATS AND IN SHELL

Belgium	Germany	Spain
Brazil	Italy	Venezuela
China	Netherlands	
Greece	Singapore	

WALNUT SHELLS**WALNUT BURLS**

China	Singapore	Switzerland
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PEACHES**FRESH SQUASH**

Taiwan	Japan
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FRESH MELONS

Japan	Mexico	Portugal
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APRICOT KERNELS

Mexico

DRIED MIXED FRUIT

French Polynesia

MILLET

Mexico

**SUSTAINABLE AGRICULTURE
JANUARY - DECEMBER 1999**

ORGANIC PRODUCERS

Twenty-four (24) 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>Microlarinas lypriformis</i>	None: countywide None; countywide
Yellow Starthistle (YST) <i>Centaurea solstitialis</i>	Flower & Head Weevils <i>Bangasternus orientalis</i> <i>Larinus curtus</i>	10 sites; no releases 2 sites; no releases
	YST Hairy Weevil <i>Eustenopus villosus</i>	9 sites; no releases
	YST Gall Fly <i>Urophora sirunaseva</i>	8 sites; countywide

PEST DETECTION

	<u>Visual Hours</u>	<u>Number of Properties</u>	<u>Number of Acres</u>
Commercial Crops	25	15	1,800
Public Contact	70	7	25
Special Survey:			
Apple Maggot	94	12	681
Jointedvetch	2	2	2
Purple Loosestrife	138	12	12
Cherry-Mediterranean Fruit Fly	3	4	33
Red Imported Fire Ant	26	26	15
Khapra Beetle	48	16	22
Exotic Fruit Pests-McPhail	41	5	Residential
Olive Fruit Fly	33	12	15

EXOTIC PEST DETECTION

	<u>Traps in Operation (Seasonal High)</u>	<u>Total Number of Services</u>
Mediterranean Fruit Fly	122	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	158	158
Olive Fruit Fly	5	50
Cherry-Mediterranean Fruitfly	9	27
Apple Maggot	76	684
Medfly-McPhail	5	50

PEST ERADICATION

	<u>Properties</u>
White Horsenettle	4
Purple Starthistle	1
Artichoke Thistle	9
Purple Loosestrife	3
Italian Thistle	2

PEST EXCLUSION

	<u>Total Units Inspected</u>
Interstate, Intrastate, & Foreign Shipments	36,433

VERTEBRATE PEST CONTROL

	<u>Properties</u>	<u>Control Agents</u>	<u>Units Used/Sold</u>
Ground Squirrels, Gophers, Jackrabbits, Rats & Mice	633	Anticoagulant Bait Anticoagulant, Paraffin Blocks Zinc Phosphide Bait Strychnine (Below ground use only)	2,460 Lbs 1,469 Lbs 5,582 Lbs 17 Lbs
Muskrats, Skunks, Opossums, Raccoons, Fox, Beavers & Coyotes	683	Live Trapping and Other Methods	

AGRICULTURAL COMMISSIONER
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ASSISTANT AGRICULTURAL COMMISSIONER
Rick Landon

ASSISTANT DIRECTOR OF WEIGHTS & MEASURES
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Debbie Faria

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ACCOUNT CLERK III
CLERICAL SPECIALIST
OFFICE ASSISTANT II
OFFICE ASSISTANT I