



SUTTER COUNTY CROP REPORT 1997



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 1998

To: Ann Veneman, Secretary
California Department of Food
and Agriculture

and

The Honorable Board of Supervisors,
County of Sutter:

Larry Munger, Chairman, District 3

Casey Kroon, District 1

Dennis Nelson, District 2

Joan Bechtel, District 4

Dick Akin, District 5

In accordance with Section 2272 and 2279 of the California Food and Agricultural Code, I am pleased to submit the 1997 Agricultural Crop Report. Sutter County's gross agricultural production value totaled \$277,169,700, with Rice, Walnuts, Prunes, Peaches and Tomatoes continuing as the leading agricultural commodities.

In comparison to the 1996 production year, Nursery Products, Seed Crops, Apiary Products and Livestock & Poultry realized a significant increase in value. However, overall crop production values actually decreased 8 percent due to the Meridian flood and market supply/demand. Agricultural losses alone amounted to over sixteen-million dollars in the flood area, where the winter wheat crop was a virtual loss and tomato growers were forced to lease acreage outside of Sutter County. Rice and prune prices were depressed in response to a saturated market.

It must be emphasized that the dollar amounts shown in this report are averages of gross production values and do not reflect actual net income or loss to producers. For every dollar of value of an agricultural product, three and one-half dollars can be applied, thereby making the 1997 economic impact worth more than \$970 million.

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 who assisted in the compilation of this report.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "M. Quisenberry", is written over a large, light-colored scribble.

Mark P. Quisenberry
Agricultural Commissioner

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

CROPS	YEAR	PRODUCTION			VALUE		
		BEARING ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Almonds, Meats	1997	3,450	0.71	2,450	Tons	\$ 2,983.53	\$ 7,309,600
	1996	3,258	0.50	1,629	Tons	4,119.30	6,710,300
Almonds, Hulls	1997			612	Tons	70.00	42,800
	1996			407	Tons	70.00	28,500
Apples	1997	709	15.67	11,110	Tons	326.27	3,624,900
	1996	712	8.45	6,016	Tons	235.00	1,413,800
Bushberries*	1997	2	0.75	2	Tons	468.00	900
	1996	2	0.75	2	Tons	520.00	1,000
Cherries	1997	34	1.06	36	Tons	1,603.86	57,700
	1996	34	0.72	24	Tons	2,361.95	56,700
Kiwifruit	1997	299	1.16	347	Tons	648.10	224,900
	1996	299	2.82	843	Tons	826.96	697,100
Peaches, Cling	1997	8,154	15.27	124,512	Tons	224.07	27,899,400
	1996	8,443	15.89	134,159	Tons	199.92	26,821,100
Peaches, Freestone	1997	68	6.13	417	Tons	179.06	74,700
	1996	61	6.50	397	Tons	218.14	86,600
Pears	1997	462	16.35	7,554	Tons	252.87	1,910,200
	1996	478	14.49	6,926	Tons	219.71	1,521,700
Persimmons	1997	134	2.38	319	Tons	501.90	160,100
	1996	144	3.04	438	Tons	471.96	206,700
Prunes, Dried	1997	19,053	1.88	35,820	Tons	785.45	28,134,800
	1996	25,032	2.55	63,832	Tons	829.56	52,952,500
Walnuts, English	1997	14,787	1.53	22,624	Tons	1,320.03	29,864,400
	1996	16,502	1.10	18,152	Tons	1,389.66	25,225,100
Walnuts, Black	1997	71	0.80	57	Tons	111.11	6,300
	1996	71	0.88	62	Tons	111.11	6,900
Miscellaneous Fruit & Nuts **	1997	306		762	Tons		726,900
	1996	317		661	Tons		631,900
TOTAL	1997	47,529					\$ 100,037,600
	1996	55,353					\$ 116,359,900

*Includes Boysenberries, Blackberries and Raspberries

**Includes Apricots, 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.

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

CROP	BEARING ACRES		NON-BEARING ACRES	
	1996	1997	1996	1997
Almonds	3,258	3,450	602	456
Apples	712	709	254	261
Apricots	6	6	0	0
Cherries	34	34	0	0
Chestnuts	26	21	0	4
Grapes	86	83	50	50
Kiwi	299	299	0	32
Nectarines	81	77	5	5
Olives	10	10	0	0
Oranges, Navel	5	5	4	3
Oranges, Valencia	2	2	0	0
Peaches, Cling	8,443	8,154	955	678
Peaches, Freestone	61	68	55	55
Pears	478	462	13	13
Pecans	11	11	4	4
Persimmons	144	134	6	46
Pistachios	40	40	1	1
Plums	37	37	0	0
Prunes	25,032	19,053	3,793***	4,695
Strawberries	16	13	0	0
Walnuts, Black	71	71	8	8
Walnuts, English	16,502	14,787	2,170	2,752
Miscellaneous**	37	27	12	0
TOTAL	55,391	47,553	7,932	9,063

*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.

***Correction 1996 Crop Year

**FIELD CROPS
ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION			UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS, DRY:							
Baby Lima	1997	7,668	1.21	9,278	Tons	\$ 546.00	\$ 5,067,800
	1996	4,452	0.94	4,185	Tons	827.92	3,464,800
Blackeye	1997	1,883	0.68	1,280	Tons	574.81	735,800
	1996	2,024	0.82	1,660	Tons	632.54	1,050,000
Kidney	1997	Miscellaneous					
	1996	No Production					
Pink	1997	2,443	0.63	1,539	Tons	594.35	914,700
	1996	2,937	0.68	1,997	Tons	625.91	1,249,900
Pinto	1997	69	0.82	57	Tons	728.99	41,600
	1996	77	0.71	55	Tons	812.00	44,700
Miscellaneous*	1997	924		632	Tons		452,100
	1996	227		121	Tons		88,400
Corn, field Grain	1997	4,500	5.10	22,950	Tons	113.65	2,608,300
	1996	3,500	5.06	17,710	Tons	128.18	2,270,100
Corn, field Silage	1997	76	26.00	1,976	Tons	26.00	51,400
	1996	122	16.07	1,961	Tons	33.87	66,400
Hay, Alfalfa	1997	5,118	6.22	31,834	Tons	114.75	3,653,000
	1996	5,972	6.20	37,026	Tons	102.63	3,800,000
Hay, Grain	1997	6,668	1.64	10,936	Tons	42.94	469,600
	1996	6,381	1.34	8,551	Tons	45.20	386,500
Hay, Other	1997	4,201	1.55	6,512	Tons	50.00	325,600
	1996	4,020	1.45	5,829	Tons	42.50	247,700
Oats, Grain	1997	131	1.12	147	Tons	85.00	12,500
	1996	662	1.20	794	Tons	150.00	119,100
Pasture, Irrigated	1997	21,500			Acres	110.00	2,365,000
	1996	21,500			Acres	110.00	2,365,000
Pasture, Range, Dry	1997	50,000			Acres	7.00	350,000
	1996	50,000			Acres	7.00	350,000

FIELD CROPS continued

CROPS	YEAR	PRODUCTION			UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL	
Rice	1997	90,437	4.18	378,027	Tons	\$ 168.01	\$	63,512,300
	1996	93,164	3.75	349,365	Tons	195.00		68,126,200
Safflower	1997	16,647	1.34	22,307	Tons	328.58		7,329,600
	1996	15,192	1.09	16,559	Tons	353.87		5,859,700
Sorghum, Grain	1997	1,579	2.82	4,453	Tons	95.49		425,200
	1996	2,110	2.41	5,085	Tons	100.00		508,500
Sugarbeets	1997	2,353	24.00	56,472	Tons	39.12		2,209,200
	1996	2,596	26.00	67,496	Tons	40.55		2,737,000
Wheat, Grain	1997	11,168	2.87	32,052	Tons	147.06		4,713,600
	1996	23,003	2.10	48,306	Tons	147.46		7,123,200
Wild Rice	1997	1,920	0.87	1,670	Tons	1,008.39		1,684,000
	1996	2,296	0.39	895	Tons	2,123.26		1,900,300
Miscellaneous**	1997	1,268		3,583	Tons			1,222,800
	1996	1,242		3,217	Tons			806,600
Field Crop, By-Products	1997			64,658	Tons	12.73		823,100
	1996			62,250	Tons	12.73		792,400
TOTAL	1997	230,553					\$	98,967,200
	1996	241,477					\$	103,356,500

*Includes Cranberry Beans, Kidney Beans and Black Turtle Beans.

**Includes Cotton, 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
Corn, Sweet	1997	47	2.00	94	Tons	\$ 336.00	\$ 31,600
	1996	50	2.00	100	Tons	352.00	35,200
Melons, Honeydew	1997	6,173	7.94	49,014	Tons	243.00	11,910,400
	1996	5,108	8.47	43,265	Tons	212.12	9,177,400
Pumpkins	1997	1,351	14.70	19,860	Tons	31.75	630,600
	1996	966	11.74	11,341	Tons	50.68	574,800
Squash	1997	220	8.65	1,903	Tons	252.54	480,600
	1996	231	5.79	1,337	Tons	334.84	447,700
Tomatoes, Canning	1997	14,135	30.57	432,107	Tons	51.41	22,214,600
	1996	23,423	31.30	733,140	Tons	53.06	38,900,400
Watermelons	1997	998	15.07	15,040	Tons	83.32	1,253,100
	1996	757	15.63	1,832	Tons	132.38	1,566,300
Miscellaneous*	1997	664		3,546	Tons		1,905,000
	1996	985		4,703	Tons		2,227,000
TOTAL	1997	23,588					\$ 38,425,900
	1996	31,520					\$ 52,928,800

*Includes the following crops:

Arugula, Asparagus, Beans (Bush, Blue Lake, Green, Kentucky Wonder, Long, & String), Beets, Bok Choy, Broccoli, Cabbage, Cantaloupe, Carrots, Cauliflower, Chard, Cilantro, Corn (Indian), Diakon, Eggplant, Gai-Lon, Garlic, Gourds, Herbs, Kale, Kohlrabi, Lettuce, Melons (Mixed), Mustard Greens, Okra, Onions, Parsnip, Parsley, Peas (Blackeye, Snap, Snow & Sugar), Peppers (Bell, Red & Chili), Potatoes, Radish, Shallots, Spinach, Sprouts (Brussel, Bean, Alfalfa & Clover), Strawberries, Sunchokes, Tomatillo, Tomatoes (Fresh), 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			UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
Beans, Dry	1997	1,643	1,235	2,029,105	Lbs	\$ 0.33	\$ 669,600
	1996	1,176	991	1,165,416	Lbs	0.35	407,900
Cantaloupe & Honeydew	1997	55	366	20,130	Lbs	3.14	63,200
	1996	46	323	14,858	Lbs	3.29	48,900
Cucumber	1997	785	245	192,325	Lbs	6.66	1,280,900
	1996	606	159	96,354	Lbs	6.86	661,000
Pumpkin & Squash	1997	1,146	417	477,882	Lbs	3.69	1,763,400
	1996	464	322	149,408	Lbs	3.94	588,700
Rice	1997	2,612	9,000	23,508,000	Lbs	0.10	2,350,800
	1996	2,656	7,500	19,920,000	Lbs	0.15	2,988,000
Safflower	1997	3,522	3,008	10,594,176	Lbs	0.15	1,589,100
	1996	5,326	2,131	11,349,706	Lbs	0.17	1,929,500
Sunflower	1997	2,813	1,148	3,229,324	Lbs	0.53	1,711,500
	1996	528	994	524,832	Lbs	0.59	309,700
Watermelon	1997	1,548	261	404,028	Lbs	6.00	2,424,200
	1996	1,055	268	282,740	Lbs	3.12	882,100
Wheat	1997	1,416	2,870	4,063,920	Lbs	0.08	325,100
	1996	997	2,100	2,093,700	Lbs	0.08	167,500
Miscellaneous*	1997	504		431,701	Lbs		473,200
	1996	2,934		398,072	Lbs		442,500
TOTAL	1997	16,044				\$	12,651,000
	1996	15,788				\$	8,425,800

*Includes Cabbage, Carrot, Coriander, Cowpeas, Ladino Clover and other miscellaneous seed crops of a limited number of growers/processors in Sutter County.

**NURSERY PRODUCTS
ACREAGE, PRODUCTION AND VALUE**

NURSERY CROPS	YEAR	FIELD ACRES	QUANTITY SOLD	UNIT	TOTAL
Fruit & Nut	1997	285	2,754,000	Each	\$ 11,252,600
Trees & Vines	1996	120	1,652,606	Each	6,967,900
Ornamental Trees, Shrubs and other Nursery Stock	1997	58			586,700
	1996	89			534,200
	1997	343			\$ 11,839,300
TOTAL	1996	209			\$ 7,502,100

**APIARY PRODUCTS
PRODUCTION AND VALUE**

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
Honey	1997	320,552	Pounds	\$ 0.69	\$ 221,200
	1996	405,350	Pounds	0.90	364,800
Beeswax	1997	8,147	Pounds	1.74	14,200
	1996	5,720	Pounds	2.00	11,400
Package Bees	1997	7,150	Pounds	10.00	71,500
	1996	7,700	Pounds	8.50	65,500
Queen Bees	1997	36,770	Each	6.50	239,000
	1996	20,900	Each	5.50	115,000
Pollination	1997	39,760	Colony	17.87	710,500
	1996	30,205	Colony	19.54	590,200
	1997				\$ 1,256,400
TOTAL	1996				\$ 1,146,900

LIVESTOCK AND POULTRY PRODUCTS PRODUCTION AND VALUE

ITEM	YEAR	PRODUCTION		UNIT	VALUE PER UNIT	TOTAL
		NUMBER	TOTAL LIVEWEIGHT			
Cattle & Calves	1997	17,630	151,621	Cwt.	54.75	\$ 8,301,200
	1996	17,083	148,851	Cwt.	54.40	8,097,500
Sheep & Lambs	1997	18,044	22,302	Cwt.	56.81	1,267,000
	1996	13,632	16,849	Cwt.	55.46	934,400
Hogs & Pigs	1997	2,112	5,069	Cwt.	54.70	277,300
	1996	2,240	5,394	Cwt.	52.00	280,500
Rabbits	1997	15,015	75,075	Lbs.	0.69	51,800
	1996	11,220	53,850	Lbs.	0.68	36,600
Chickens	1997	4,455	4,544	Lbs.	0.39	1,800
	1996	4,950	5,049	Lbs.	0.40	2,000
Wool	1997	93,348		Lbs.	0.65	60,700
	1996	63,117		Lbs.	0.65	41,000
Eggs, Chicken	1997	1,583		Doz.	0.61	1,000
	1996	2,110		Doz.	0.65	1,400
Miscellaneous*	1997					4,031,500
	1996					3,593,000
TOTAL	1997					\$ 13,992,300
	1996					\$ 12,986,400

*Includes Angora Fur, Aquaculture, Bait Products, Ducks, Geese, Goats, Milk (Market), Milk (Manufacturing), Chaker, Quail, Quail Eggs, Pheasants, Pigeons, Purebred 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>1996</u>		<u>1997</u>
FRUIT & NUT CROPS	\$ 116,359,900	FRUIT & NUT CROPS	\$ 100,037,600
FIELD CROPS	103,356,500	FIELD CROPS	98,967,200
SEED CROPS	8,425,800	SEED CROPS	12,651,000
VEGETABLE CROPS	52,928,800	VEGETABLE CROPS	38,425,900
NURSERY PRODUCTS	7,502,100	NURSERY PRODUCTS	11,839,300
APIARY PRODUCTS	1,146,900	APIARY PRODUCTS	1,256,400
LIVESTOCK & POULTRY PRODUCTS	12,986,400	LIVESTOCK & POULTRY PRODUCTS	13,992,300
TOTAL	\$ 302,706,400		\$ 277,169,700

TEN LEADING CROPS AND VALUE*

	<u>1996</u>		<u>1997</u>
RICE	\$ 71,114,200	RICE	\$ 66,492,100
PRUNES	\$ 52,952,500	WALNUTS	\$ 29,870,700
TOMATOES	\$ 39,020,800	PRUNES	\$ 28,134,800
PEACHES	\$ 26,907,700	PEACHES	\$ 27,974,100
WALNUTS	\$ 25,232,000	TOMATOES	\$ 22,214,600
MELONS	\$ 12,201,600	MELONS	\$ 16,339,900
CATTLE & CALVES	\$ 8,097,500	NURSERY PRODUCTS	\$ 11,839,300
SAFFLOWER	\$ 7,789,200	SAFFLOWER	\$ 8,918,700
NURSERY PRODUCTS	\$ 7,502,100	CATTLE & CALVES	\$ 8,301,200
WHEAT	\$ 7,290,700	BEANS	\$ 7,883,800

*Includes Seed. Rice does not include Wild Rice.

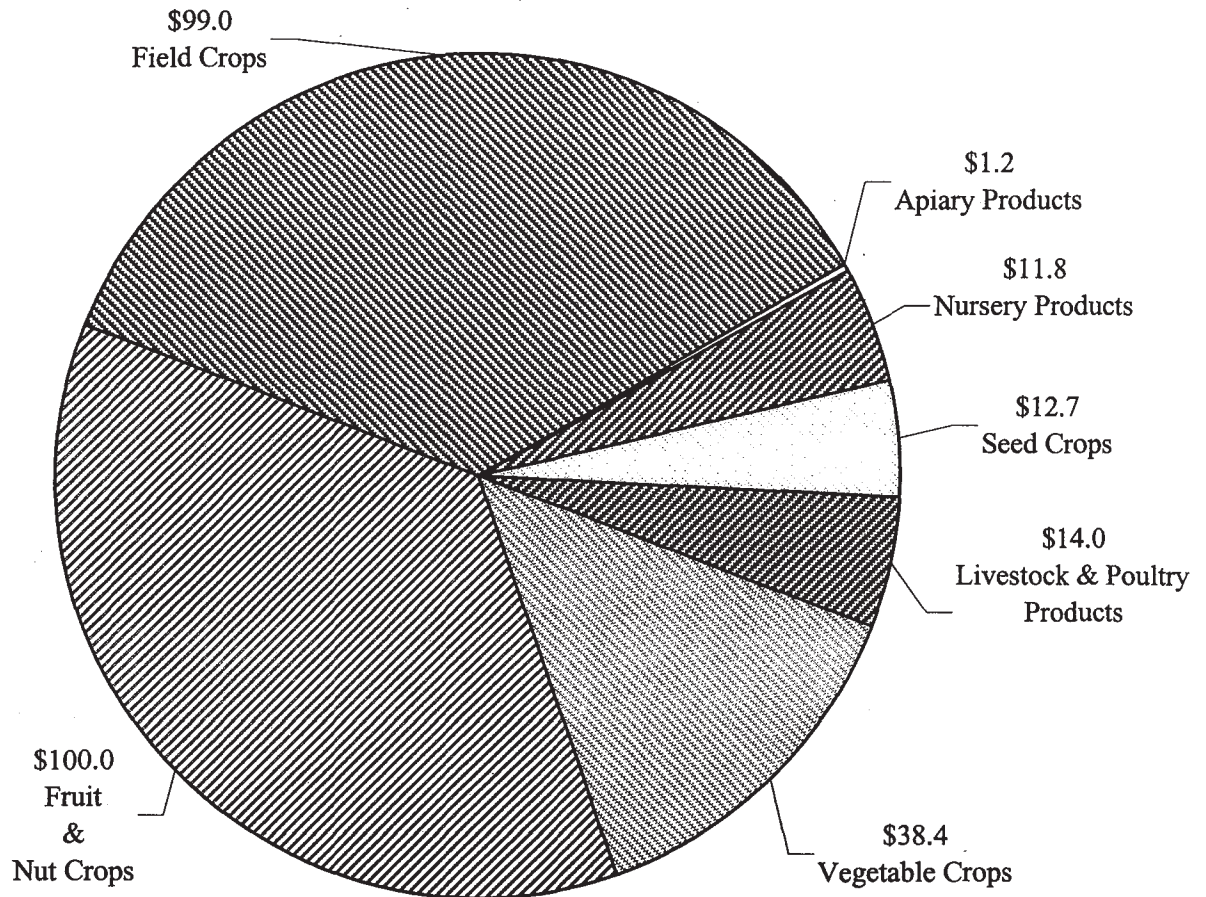
**GROSS VALUE
OF
AGRICULTURAL PRODUCTION**

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

AGRICULTURAL PRODUCTION COMPARISON

COUNTY	1996 RANK	GROSS VALUE	TOTAL COUNTY ACRES	FARMLAND ACRES	PERCENT FARMLAND	AG VALUE PER COUNTY ACRES
Fresno	1	\$ 3,313,426,000	4,080,000	2,134,762	52%	\$ 812.11
Tulare	2	\$ 2,801,021,000	3,158,400	1,512,589	48%	\$ 886.85
Kern	3	\$ 2,067,028,000	5,223,000	3,037,068	58%	\$ 395.75
Monterey	4	\$ 1,934,907,558	2,127,360	1,426,212	67%	\$ 909.53
<i>Sutter</i>	<i>22</i>	<i>\$ 302,706,400</i>	<i>388,480</i>	<i>320,000</i>	<i>82%</i>	<i>\$ 779.21</i>

1997 SUTTER COUNTY AGRICULTURAL PRODUCTION (VALUE IN MILLIONS OF DOLLARS)



1997
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, and watermelon

Costa Rica	Syria	Jordan
Uruguay	People's Republic of China	Chile
Mauritius	Trinidad & Tobago	India
Guyana	Greece	Honduras
Spain	Philippines	Thailand
Martinique	Netherlands	Peru
Colombia	Saudi Arabia	Argentina
Sri Lanka	Venezuela	France
Portugal	Guatemala	Lebanon
Japan	Dominican Republic	Hong Kong
Brazil	United Arab Emirates	Pakistan
South Africa	Mexico	Turkey
Italy	Ecuador	Jamaica
Paraguay	Australia	Morocco
Bolivia	Haiti	

PADDY RICE/WILD RICE

France	Germany	Switzerland
Mexico	United Kingdom	Republic of Korea

DRIED PRUNES

Sweden	Barbados	Singapore
Germany	Switzerland	Greece
Canada	Colombia	France
Israel	Italy	Norway
Venezuela	United Arab Emirates	Denmark
Brazil	United Kingdom	Jamaica
Egypt	French Polynesia	Latvia
Taiwan	Spain	Finland
Poland	Mexico	Japan
Panama	Belgium	Australia

FRESH CHERRIES

Japan

FRESH PRUNES

Taiwan

DRY BEANS/PEAS/POPCORN

Martinique	French Guiana	Saudi Arabia
Costa Rica	United Arab Emirates	New Zealand
Panama	Trinidad & Tobago	Jamaica
Guadeloupe	Italy	Australia
New Caledonia	French Polynesia	Hong Kong
Venezuela	Antigua/Barbuda	Cypress
Colombia	Bahrain	Phillippines
South Africa	Barbados	
Kuwait	Portugal	

FRESH GARLIC

Mexico

FRESH KIWI

Republic of Korea	Taiwan	Mexico
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WALNUTS - MEATS AND IN SHELL

Malta	Cypress	Spain
Brazil	Canada	Italy

FRESH SQUASH

Japan

FRESH MELONS

Japan	Mexico	Taiwan
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APRICOT KERNELS

Morocco

STRAWBERRY PLANTS

Mexico	Lebanon
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ASPARAGUS

Japan

SUSTAINABLE AGRICULTURE
JANUARY - DECEMBER 1997

ORGANIC PRODUCERS

Ten (10) 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>	1 release
Yellow Starthistle (YST) <i>Centaurea solstitialis</i>	Flower Head Weevils <i>Bangasternus orientalis</i> <i>Larinus curtus</i>	5 sites; 5 releases 2 sites; no releases
	YST Hairy Weevil <i>Eustenopus villosus</i>	6 sites; 6 releases
	YST Gall Fly <i>Urophora sirunaseva</i>	3 sites; no releases
Whitefly (all species)	<i>Encarsia spp.</i>	5 sites; 8 releases

PEST DETECTION

	<u>Visual Hours</u>	<u>Number of Properties</u>	<u>Number of Acres</u>
Commercial Crops	138	10	1,218
Public Contact	90	12	3
Special Survey:			
Apple Maggot	79	17	526
Jointedvetch	2.5	2	2

EXOTIC PEST DETECTION

	<u>Traps in Operation (Seasonal High)</u>	<u>Total Number of Services</u>
Mediterranean Fruit Fly	110	1,098
Oriental Fruit Fly	21	215
Melon Fruit Fly	21	201
Gypsy Moth	62	295
Japanese Beetle	41	196
European Pine Shoot Moth	5	36

PEST ERADICATION

	<u>Properties</u>
White Horsenettle	4
Purple Starthistle	1
Artichoke Thistle	9
Diffuse Knapweed	Eradicated 1995
Scotch Thistle	Eradicated 1995
Hydrilla	Eradicated 1992
Rice Root Nematode	Eradicated 1989
Barb Goatgrass	Eradicated 1968

PEST EXCLUSION

	<u>Total Units Inspected</u>
Interstate, Intrastate, & Foreign Shipments	33,565

VERTEBRATE PEST CONTROL

	<u>Properties</u>	<u>Control Agents</u>	<u>Units Used/Sold</u>
Ground Squirrels, Gophers, Jackrabbits, Rats & Mice	573	Anticoagulant Bait Anticoagulant, Paraffin Blocks Zinc Phosphide Bait Maki Strychnine (Below ground use only)	2,089 Lbs. 767 Lbs. 2,560 Lbs. 58 Pkgs. 129 Lbs.
Muskrats, Skunks, Opossums, Raccoons, Fox, Beavers & Coyotes	460	Live Trapping and Other Methods	

AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS MEASURES
MARK P. QUISENBERRY

ASSISTANT AGRICULTURAL COMMISSIONER
David L. Wilson

ASSISTANT DIRECTOR OF WEIGHTS & MEASURES
Rallin C. Ahlers

DEPUTY AGRICULTURAL COMMISSIONER
Stan Anderson

SUPERVISING AGRICULTURAL & STANDARDS BIOLOGIST
Michael S. Furuta

AGRICULTURAL & STANDARDS BIOLOGIST III
Harold Dirks Mark Brown Harkirat Hothi Daniel Prakash

AGRICULTURAL & STANDARDS BIOLOGIST II
Lisa Flores Margaret Stelmok

AGRICULTURAL & STANDARDS BIOLOGIST I
Kurt Schoenwald Jeff Citron David Karnegas

AGRICULTURAL FIELD ASSISTANT II
Paul Schwall Kenneth Woolery Dennis Hanna

ANIMAL DAMAGE CONTROL SPECIALIST
Jim Kincaide

SUPPORT STAFF

Marguerite "Sue" Habel
Anna Anderson
Laura Poma
Rebecca Hill
Debbie Faria

EXECUTIVE SECRETARY I
CLERICAL SPECIALIST
OFFICE ASSISTANT III
OFFICE ASSISTANT II
OFFICE ASSISTANT I