

SUTTER COUNTY



2004

CROP REPORT

Sutter County is “Cookin”

A simulated 1950’s kitchen was Sutter County’s Exhibit at the 2004 State Fair. The exhibit took you back in time when life was slower and easier.

Sutter County was awarded a First Place “Gold” Ribbon
and three Blue Ribbons:

Best Content Award

Best Experience Award

Best Use of Live Demonstration Award



OFFICE OF THE
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS & MEASURES

MARK P. QUISENBERRY
Agricultural Commissioner
Sealer of Weights and Measures

May 2005

To: A.G. Kawamura, Secretary
California Department of Food
and Agriculture

and The Honorable Board of Supervisors,
County of Sutter:

Jim Whiteaker, Chair, District 4
Larry Montna, District 1
Dennis Nelson, District 2
Larry Munger, District 3
Dan Silva, District 5

In accordance with Section 2272 and 2279 of the California Food and Agricultural Code, I am pleased to submit the 2004 Sutter County Agricultural Crop Report. Sutter County's gross agricultural production value totaled \$299,219,300, with Rice, Walnuts, Peaches, Almonds and Tomatoes (canning) as the leading agricultural commodities.

2004 weather conditions were uncooperative for some crops, as Cherries were pelted with rain at harvest causing unmarketable fruit, while skyrocketing temperatures during bloom caused Dried Plums yields to plummet; and favorable for others, leading to considerably increased yields for Peaches, Pears, Field Corn and Tomatoes. Market prices were encouraging for many crops such as Almonds, Kiwifruit, Dried Plums (for those who had some to market), Walnuts, Alfalfa Hay, Seed Crops, Nursery Products, and Cattle and Calves. Valley-wide, rice acreage increased substantially driving prices considerably downward.

Although growers experienced some economic impacts tied to the weather as well as new government regulations, overall as reflected in this crop report, agriculture continues to be a valuable asset to Sutter County's economic base. Industries directly or indirectly tied to agriculture benefited appreciably as the agricultural industry returned over \$1.05 Billion to our local economy in 2004.

I would like to express my sincere appreciation to staff and to the many individuals from the agriculture industry who assisted in the compilation of this report.

Respectfully submitted,

A blue ink signature of Mark P. Quisenberry, consisting of stylized initials and 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		TOTAL
		HARVESTED ACRES	PER ACRE			PER UNIT		
Almonds, Meats	2004	4,246	0.91	3,864	Tons	\$	3,883.79	\$ 15,007,000
	2003	4,300	0.91	3,913	Tons		2,317.68	9,069,100
Almonds, Hulls	2004			966	Tons		78.00	75,300
	2003			978	Tons		73.93	72,300
Apples	2004	73	2.85	208	Tons		200.00	41,600
	2003	242	2.00	484	Tons		192.62	93,200
Cherries	2004	14	0.41	6	Tons		1,161.53	7,000
	2003	37	2.22	82	Tons		2,888.89	236,900
Kiwifruit	2004	194	4.50	873	Tons		833.00	727,200
	2003	194	3.91	759	Tons		657.75	499,200
Peaches, Cling	2004	9,263	15.07	139,593	Tons		225.59	31,490,800
	2003	10,046	13.52	135,822	Tons		237.00	32,189,800
Peaches, Freestone	2004	111	3.33	370	Tons		281.00	104,000
	2003	107	3.00	321	Tons		363.00	116,500
Pears	2004	244	12.13	2,960	Tons		191.69	567,400
	2003	243	9.07	2,204	Tons		208.86	460,300
Persimmons	2004	216	4.20	907	Tons		367.74	333,500
	2003	205	4.29	879	Tons		351.79	309,200
Dried Plums (Prunes)	2004	19,587	0.47	9,206	Tons		1,215.04	11,185,700
	2003	22,305	1.60	35,688	Tons		727.91	25,977,700
Walnuts, English	2004	17,871	1.64	29,308	Tons		1,328.13	38,924,800
	2003 ²	17,149	1.66	28,467	Tons		1,040.00	29,605,700
Walnuts, Black	2004	71	0.06	4	Tons		164.66	700
	2003	71	0.06	4	Tons		164.66	700
Miscellaneous Fruit & Nuts ¹	2004	387		885	Tons			717,300
	2003	354		931	Tons			874,200
Orchard By-Products	2004							3,092,100
	2003							2,921,800
TOTAL	2004	52,277						\$ 102,274,400
	2003 ²	55,253						\$ 102,426,600

¹ Includes Apricots, Bushberries (Blackberries, Boysenberries, & Raspberries), Chestnut, Feijoa/Guava, Figs, Fresh Plums (Prunes), Grapefruit, Grapes, Jujube, Lemon, Limes, Nectarines, Oranges (Mandarin, Naval & Valencia), Pecan, Pistachios, Pomegranates, Strawberries, Tangerines, and other miscellaneous fruit and nut crops of a limited number of growers/processors in Sutter County.

² Correction 2003

**FRUIT AND NUT CROPS
BEARING AND NON-BEARING ACREAGE ¹**

CROP	BEARING ACRES		NON-BEARING ACRES	
	2003	2004	2003	2004
Almonds	4,300	4,246	1,760	1,977
Apples	242	233	54	54
Apricots	4	5	1	1
Cherries	37	41	3	1
Chestnuts	25	26	1	1
Grapes	86	86	4	4
Kiwi	194	194	0	0
Nectarines	52	46	6	6
Olives	10	10	22	22
Oranges, Navel	10	12	3	9
Oranges, Valencia	1	1	0	0
Peaches, Cling	10,046	9,263	3,736	3,042
Peaches, Freestone	107	111	11	10
Pears	243	244	37	35
Pecans	11	21	16	6
Persimmons	205	216	30	25
Pistachios	40	45	6	6
Plums	64	69	9	9
Dried Plums (Prunes)	22,305	21,763	2,401	2,161
Strawberries	32	30	0	0
Walnuts, Black	71	71	0	0
Walnuts, English	17,149	17,871	5,650	2,498
Miscellaneous ²	29	56	8	19
TOTAL	55,263	54,660	13,758	9,886

¹ Acreage from California Crop and Livestock Reporting Service.

² Includes Bushberries, Feijoa/Guava, Fig, Grapefruit, Jujube, Lemon, Lime, 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		TOTAL	
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT			
BEANS, DRY:									
Baby Lima	2004	2,108	1.05	2,213	Tons	\$	567.47	\$	1,255,800
	2003	3,606	0.97	3,498	Tons		604.16		2,113,400
Blackeye	2004	120	0.75	90	Tons		596.42		53,700
	2003	875	1.36	1,190	Tons		577.81		687,600
Pink	2004	305	0.66	201	Tons		520.00		104,500
	2003	486	0.77	374	Tons		541.47		202,500
Kidney	2004	515	0.77	397	Tons		652.56		259,100
	2003	739	0.73	539	Tons		657.09		354,200
Miscellaneous ¹	2004	2,040		1,553	Tons				967,000
	2003	948		636	Tons				494,600
Corn, field Grain	2004	6,491	6.45	41,867	Tons		100.83		4,221,400
	2003	2,928	4.30	12,590	Tons		101.44		1,277,100
Hay, Alfalfa	2004	6,935	5.68	39,391	Tons		106.51		4,195,500
	2003	7,247	5.25	38,047	Tons		96.73		3,680,300
Hay, Grain	2004	1,900	3.00	5,700	Tons		71.00		404,700
	2003	4,800	3.87	18,576	Tons		66.50		1,235,300
Hay, Other	2004	2,134	3.75	8,003	Tons		88.44		707,800
	2003	3,558	3.20	11,386	Tons		85.00		967,800
Oats, Grain	2004	400	0.45	180	Tons		100.00		18,000
	2003	500	0.43	215	Tons		138.55		29,800
Pasture, Irrigated	2004	10,989			Acres		135.00		1,483,500
	2003	11,100			Acres		135.00		1,498,500
Pasture, Range, Dry	2004	60,167			Acres		9.00		541,500
	2003	59,571			Acres		9.00		536,100
Rice ²	2004	121,131	4.31	522,075	Tons		195.60		102,117,900
	2003	93,654	4.32	404,585	Tons		314.67		127,310,800
Safflower	2004	4,960	1.42	7,043	Tons		224.72		1,582,700
	2003	14,991	1.18	17,689	Tons		273.21		4,832,800

FIELD CROPS continued

CROPS	YEAR	PRODUCTION		TOTAL	UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE			PER UNIT		
Sorghum, Grain	2004	560	2.81	1,574	Tons	\$	69.00	\$ 108,600
	2003	953	2.31	2,201	Tons		97.82	215,300
Straw, Grain ⁴	2004	2,000	2.92	6,214	Tons		25.50	158,500
	2003	1,200	2.92	3,504	Tons		25.50	89,400
Wheat, Grain	2004	12,950	2.92	37,814	Tons		109.09	4,125,100
	2003	14,246	1.18	16,810	Tons		110.99	1,865,700
Wild Rice	2004	1,720	0.73	1,256	Tons		911.47	1,144,800
	2003	2,261	0.57	1,289	Tons		840.00	1,082,800
Miscellaneous ³	2004	2,736		8,269	Tons			1,972,900
	2003	2,377		4,528	Tons			2,457,600
Field Crop By-Products	2004			89,277	Tons		16.64	1,485,600
	2003			64,587	Tons		16.98	1,096,700
TOTAL	2004	240,161						\$ 126,908,600
	2003 ⁵	224,840						\$ 152,028,300

¹ Includes Beans (Carnario, Black Turtle, Garbanzo, Black & Pinto) and other miscellaneous beans of a limited number of growers/processors in Sutter County.

² Includes USDA Support Price.

³ Includes Barley, Corn (Silage), Cotton Flax, Millet, Popcorn, Soybean, and other miscellaneous field crops of a limited number of growers/processors in Sutter County.

⁴ Includes Rice Straw

⁵ Correction 2003

**VEGETABLE CROPS
ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION		TOTAL	UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE			PER UNIT	UNIT	
Melons, Honeydew	2004	2,111	9.70	20,477	Tons	\$ 313.18	\$	6,413,000
	2003	2,251	10.29	23,163	Tons	225.30		5,218,600
Tomatoes, Canning	2004	6,300	41.14	259,182	Tons	45.66		11,834,300
	2003	8,000	26.34	210,720	Tons	47.07		9,918,600
Watermelons	2004	46	14.64	673	Tons	212.00		142,700
	2003	52	13.61	708	Tons	242.00		171,300
Miscellaneous ¹	2004	578		3,274	Tons			2,843,000
	2003	650		3,246	Tons			2,683,500
TOTAL	2004	9,035					\$	21,233,000
	2003	10,953					\$	17,992,000

¹ Includes the following crops:
Artichoke, Asparagus, Beans (Blue Lake, Green Jade, Chinese Long, Kentucky Wonder), Beet, Bok Choy, Broccoli, Brussel Sprouts, Cabbage, Cantaloupe, Carrot, Chard (Swiss/Red), Cilantro, Corn (Sweet), Cucumber, Diakon, Eggplant, Garlic, Gourds, Herbs, Jicama, Lettuce, Melons (Mixed & Bitter), Mustard (Chinese), Okra, Onion, Parsley, Peppers (Bell, Red & Chili), Potatoes, Pumpkin (Farmers Market, Wholesale/Retail), Squash, Tomatoes (Fresh & Greenhouse) 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, ¹ Dry	2004	484	1,574	761,816	Lbs	\$ 0.33	\$ 251,400
	2003	1,281	1,464	1,875,384	Lbs	0.35	656,400
Cantaloupe & Honeydew	2004	4	805	3,220	Lbs	2.40	7,700
	2003	87	472	41,064	Lbs	2.64	108,400
Cucumber	2004	1,377	239	329,103	Lbs	9.10	2,994,800
	2003	976	225	219,600	Lbs	6.36	1,396,700
Pumpkin & Squash	2004	463	392	181,496	Lbs	4.72	856,700
	2003	622	520	323,440	Lbs	2.80	905,600
Rice	2004	6,582	9,188	60,475,416	Lbs	0.15	9,071,300
	2003	5,586	7,143	39,900,798	Lbs	0.13	5,187,100
Safflower	2004	614	3,600	2,210,400	Lbs	0.12	265,200
	2003	1,649	3,019	4,978,331	Lbs	0.15	746,700
Sunflower	2004	3,310	1,209	4,001,790	Lbs	0.75	3,001,300
	2003	3,685	532	1,960,420	Lbs	0.70	1,372,300
Watermelon	2004	1,061	230	244,030	Lbs	5.48	1,337,300
	2003	1,225	315	385,875	Lbs	2.85	1,099,700
Wheat	2004	975	5,500	5,362,500	Lbs	0.05	268,100
	2003	1,020	5,500	5,610,000	Lbs	0.05	280,500
Miscellaneous ²	2004	1,905		1,742,528	Lbs		1,058,500
	2003	611		299,265	Lbs		1,039,100
TOTAL	2004	16,775					\$ 19,112,300
	2003	16,742					\$ 12,792,500

¹ Includes Beans (Black Turtle, Garbanzo, Light Red Kidney) and other bean seed crops of a limited number of growers/processors in Sutter County.

² Includes Cabbage, Carrot, Clover, Corn, Cowpea, Kale, Onion, Parsley, Sudan, Triticale-Juan, Tomato, 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 Trees & Vines	2004	168	2,411,945	Each	\$ 11,657,200
	2003	189	1,559,304	Each	7,167,500
Ornamental Trees, Shrubs and other Nursery Stock	2004	15			482,500
	2003	96			390,900
	2004	183			\$ 12,139,700
TOTAL	2003	285			\$ 7,558,400

**APIARY PRODUCTS
PRODUCTION AND VALUE**

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
Honey	2004	197,870	Pounds	\$ 1.25	\$ 247,300
	2003	236,907	Pounds	1.22	289,000
Beeswax	2004	4,246	Pounds	1.00	4,200
	2003	935	Pounds	1.00	900
Package Bees	2004	8,740	Package	22.00	192,300
	2003 ¹	4,950	Package	22.00	108,900
Queen Bees	2004	56,100	Each	12.50	701,300
	2003	66,000	Each	12.50	825,000
Pollination	2004	43,026	Colony	20.84	896,700
	2003	71,289	Colony	17.85	1,272,500
	2004				\$ 2,041,800
TOTAL	2003				\$ 2,496,300

¹ Correction 2003
(Conversion to price per package)

LIVESTOCK PRODUCTS PRODUCTION AND VALUE

ITEM	YEAR	PRODUCTION			UNIT	VALUE		TOTAL
		NUMBER	TOTAL LIVEWEIGHT	PER UNIT		PER UNIT		
Cattle & Calves	2004	13,056	117,664	Cwt.	\$ 97.39	\$	11,459,300	
	2003	10,847	104,251	Cwt.	88.23		9,198,100	
Sheep & Lambs	2004	16,125	19,426	Cwt.	84.50		1,641,500	
	2003	15,357	18,935	Cwt.	82.33		1,558,900	
Wool	2004	96,188		Lbs.	0.97		93,300	
	2003	94,496		Lbs.	0.80		75,600	
Miscellaneous ¹	2004						2,646,300	
	2003						1,190,200	
Livestock By-Products	2004						5,700	
	2003						5,400	
TOTAL	2004					\$	15,846,100	
	2003					\$	12,028,200	

¹ Includes Angora Fur, Aquaculture, Bait Products, Chickens, Chicken Eggs, Ducks, Geese, Goats, Milk (Market), Hogs, 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>2003</u>		<u>2004</u>
FRUIT & NUT CROPS ²	\$ 102,426,600	FRUIT & NUT CROPS	\$ 102,274,400
FIELD CROPS	\$ 152,028,300	FIELD CROPS	\$ 126,908,600
SEED CROPS	\$ 12,792,500	SEED CROPS	\$ 19,112,300
VEGETABLE CROPS	\$ 17,992,000	VEGETABLE CROPS	\$ 21,233,000
NURSERY PRODUCTS	\$ 7,558,400	NURSERY PRODUCTS	\$ 12,139,700
APIARY PRODUCTS ²	\$ 2,496,300	APIARY PRODUCTS ²	\$ 2,041,800
LIVESTOCK PRODUCTS	\$ 12,028,200	LIVESTOCK PRODUCTS	\$ 15,509,500
TOTAL ²	\$ 307,322,300		\$ 299,219,300

TEN LEADING CROPS AND VALUE¹

(Excluding By-Products)

	<u>2003</u>		<u>2004</u>
RICE	\$ 132,497,900	RICE	\$ 111,189,200
PEACHES	\$ 32,306,300	WALNUTS	\$ 38,925,500
WALNUTS ²	\$ 29,606,400	PEACHES	\$ 31,594,800
DRIED PLUMS (PRUNES)	\$ 25,977,700	ALMONDS	\$ 15,082,300
TOMATOES	\$ 10,213,900	TOMATOES	\$ 12,535,600
NURSERY PRODUCTS	\$ 9,198,900	NURSERY PRODUCTS	\$ 12,139,700
MELONS	\$ 9,141,400	CATTLE & CALVES	\$ 11,459,300
CATTLE & CALVES	\$ 7,558,400	DRIED PLUMS (PRUNES)	\$ 11,185,700
ALMONDS	\$ 6,600,900	CORN	\$ 4,478,200
ALFALFA HAY	\$ 5,579,500	WHEAT	\$ 4,393,200

¹ Includes Seed. Rice does not include Wild Rice.

² Correction 2003

**GROSS VALUE
OF
AGRICULTURAL PRODUCTION**

<u>YEAR</u>	<u>VALUE</u>	<u>YEAR</u>	<u>VALUE</u>
1947	\$ 41,291,000	1976	\$ 178,554,000
1948	\$ 39,684,000	1977	\$ 200,878,000
1949	\$ 36,731,000	1978	\$ 220,502,000
1950	\$ 41,930,000	1979	\$ 258,666,900
1951	\$ 52,003,000	1980	\$ 299,014,700
1952	\$ 49,494,000	1981	\$ 316,465,900
1953	\$ 44,815,000	1982	\$ 247,784,100
1954	\$ 38,783,000	1983	\$ 205,335,300
1955	\$ 43,224,000	1984	\$ 262,285,500
1956	\$ 49,381,000	1985	\$ 255,449,600
1957	\$ 41,313,000	1986	\$ 229,364,800
1958	\$ 38,786,000	1987	\$ 216,183,600
1959	\$ 50,707,000	1988	\$ 201,345,800
1960	\$ 50,536,000	1989	\$ 243,940,200
1961	\$ 55,585,000	1990	\$ 217,400,000
1962	\$ 57,322,000	1991	\$ 268,941,900
1963	\$ 55,155,000	1992	\$ 285,622,700
1964	\$ 66,740,000	1993	\$ 292,108,300
1965	\$ 64,564,000	1994	\$ 340,171,300
1966	\$ 71,627,000	1995	\$ 330,170,500
1967	\$ 69,313,000	1996	\$ 302,706,400
1968	\$ 80,275,000	1997	\$ 277,169,700
1969	\$ 74,006,000	1998	\$ 268,323,100
1970	\$ 77,238,000	1999	\$ 347,939,000
1971	\$ 82,209,000	2000	\$ 340,176,000
1972	\$ 95,118,000	2001	\$ 264,673,000
1973	\$ 159,204,000	2002	\$ 291,061,100
1974	\$ 179,719,000	2003 *	\$ 307,322,300
1975	\$ 187,517,000	2004	\$ 299,219,300

* Correction 2003

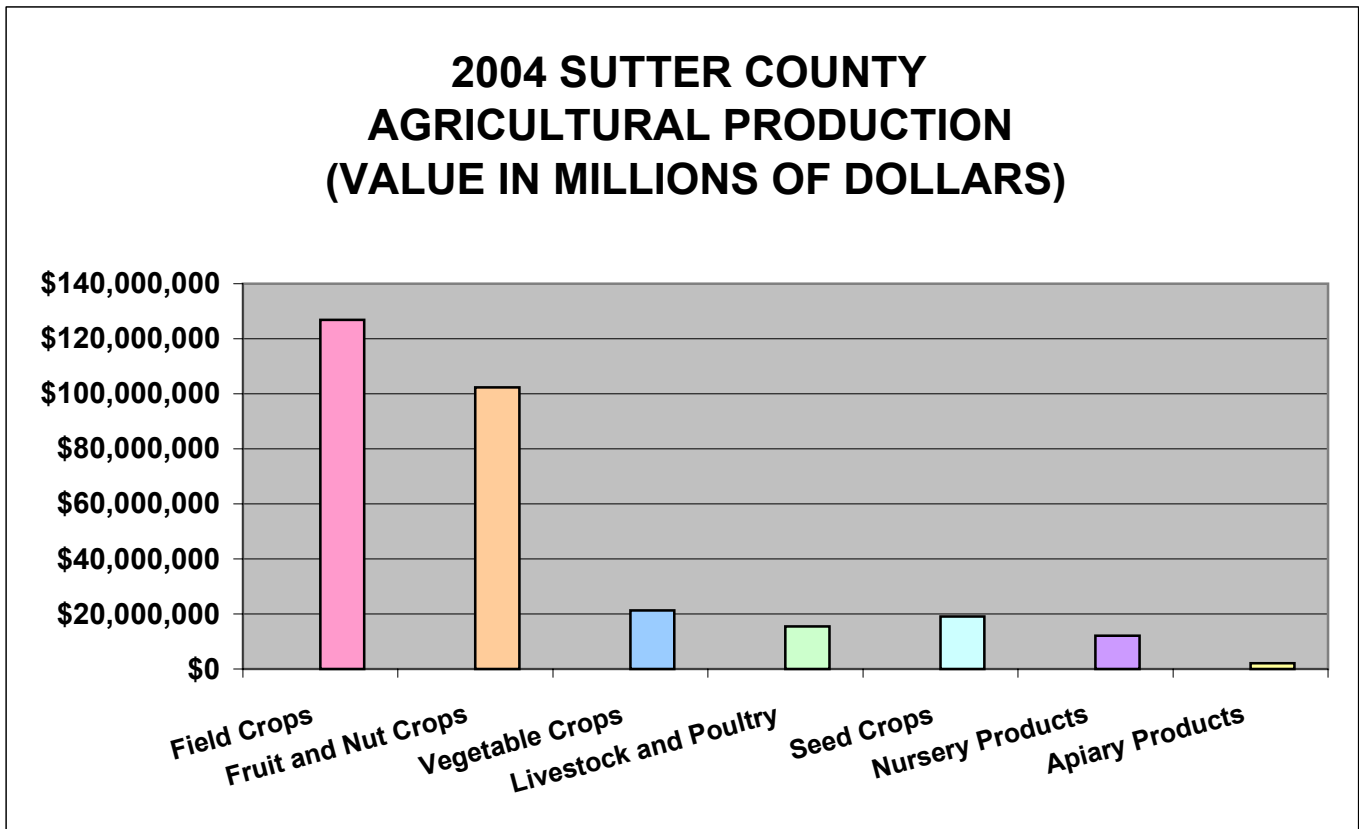
AGRICULTURAL PRODUCTION COMPARISON

COUNTY	2003 RANK	GROSS VALUE *	TOTAL COUNTY ACRES **	AGRICULTURAL LAND ***	AGRICULTURAL LAND PERCENT	AG VALUE PER COUNTY ACRES
Fresno	1	\$ 4,055,963,500	3,816,320	2,233,915	59%	\$ 1,062.79
Tulare	2	\$ 3,296,522,000	3,158,400	1,313,461	42%	\$ 1,043.73
Monterey	3	\$ 3,287,164,770	2,127,359	1,298,301	61%	\$ 1,545.19
Kern	4	\$ 2,477,716,000	5,229,440	1,595,673	31%	\$ 473.80
<i>Sutter</i>	<i>22</i>	<i>\$ 307,322,300</i>	<i>389,440</i>	<i>346,013</i>	<i>89%</i>	<i>\$ 789.14</i>

* County Crop Report

**County Assessor's Office

*** California Department of Conservation, Division of Land Resource Protection Land Use (2002)



2004
SUTTER COUNTY EXPORTS

VEGETABLE/GRASS SEEDS

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

Argentina	Hong Kong	Peru
Australia	India	Philippines
Belize	Israel	Portugal
Bolivia	Italy	Republic of Yemen
Brazil	Jamaica	People's Rep. of China
Canada	Japan	Saudi Arabia
Chile	Jordan	Sri Lanka
Colombia	Kenya	South Africa
Costa Rica	Lebanon	Spain
Denmark	Malaysia	Suriname
Dominican Republic	Mauritius	Switzerland
Ecuador	Mexico	Syria
Fiji	Morocco	Thailand
Germany	Netherlands	Trinidad & Tobago
Greece	Nicaragua	Turkey
Guatemala	Oman	Uruguay
Guyana	Pakistan	Venezuela
Haiti	Panama	Viet Nam

PADDY RICE/WILD RICE

Singapore, Turkey

DRY BEANS/PEAS

Argentina	Jamaica	Spain
Australia	Netherlands	Taiwan
Belize	Mexico	Trinidad & Tobago
Dominican Republic	Panama	Venezuela
Guatemala	New Zealand	
Italy	People's Rep. of China	

FRESH KIWI

Republic of Korea

REDWOOD/WALNUT WOOD BURLS

Italy, Switzerland

DRIED PLUMS (PRUNES)

Austria	Israel	People's Rep. of China
Australia	Indonesia	Nicaragua
Brazil	Italy	Poland
Canada	Japan	Republic of Korea
Czech Republic	Kuwait	Russian Federation
Denmark	Lativa	Saudia Arabia
Ecuador	Lebanon	Scotland
Egypt	Lithuania	Spain
France	Maita	Switzerland
Greece	Malaysia	Taiwan
Germany	Mexico	Thailand
Hong Kong	Netherlands	Turkey
India	New Zealand	United Kingdom

ALMOND MEATS

Greece, Spain

ALMOND TREES

Portugal, Spain

WALNUT - MEATS AND IN SHELL

Italy, Spain, Netherlands, Germany, Greece, United Kingdom

WALNUT SEED

Argentina, Spain

APRICOT KERNELS

Mexico

DRIED APRICOTS

Hong Kong, Italy

FRESH MELONS

Mexico

**SUSTAINABLE AGRICULTURE
JANUARY - DECEMBER 2004**

ORGANIC PRODUCERS
Thirty-six (36) Organic Registered in Sutter County

PEST EXCLUSION	Total Units Inspected
Interstate, Intrastate	3,469

BIOLOGICAL CONTROL

<u>Pest</u>	<u>Control Agent</u>	<u>Botanical Name</u>	<u>Program Scope*</u>	<u>Distribution*</u>
Puncture Vine (<i>Tribulus terrestris</i>)	Puncture vine Seed Weevil Puncture vine Stem Weevil	(<i>Microlarinus lareynii</i>) (<i>M. lypriformis</i>)	Countywide Countywide	General General
Yellow Starthistle (<i>Centaurea solstitialis</i>)	Yellow Starthistle Bud Weevil Yellow Starthistle Hairy Weevil Yellow Starthistle Flower Weevil	(<i>Bangasternus orientalis</i>) (<i>Eustenopus villosus</i>) (<i>Larinus curtus</i>)	10 sites 10 sites 2 sites	Locally established Locally established Locally established
	False Peacock Fly Peacock Fly Gall Fly	(<i>Chaetorellia succinea</i>) (<i>C. australis</i>) (<i>Urophora sirunaseva</i>)	Countywide Countywide Countywide	General General General
Red Gum Lerp Psyllid (<i>Glycaspis brimblecombei</i>)	Lerp Psyllid Wasp	(<i>Psyllaephagus bliteus</i>)	2 sites	Locally established

<u>PEST DETECTION</u>	<u>Visual Hours</u>	<u>Number of Properties</u>	<u>Number of Acres</u>
Public Contact	140	113	-
Nursery Inspection	133	22	325
Phytosanitary Field Inspection	2,729	272	7,170
Special Survey:			
Glassy-Winged Sharpshooter	1,218	99	29
Import Fire Ant	16	2	-
Khapra Beetle	18	27	-
McPhail	120	12	4
Rice Disease	44	20	3,157

<u>VERTEBRATE PEST CONTROL</u>	<u>Properties</u>
Ground Squirrels, Gophers, Jackrabbits, Rats & Mice	2
<u>CONTROL AGENTS</u>	<u>Units Used/Sold</u>
Anticoagulant Bait	1,727
Anticogulant, Paraffin Blocks	792
Zinc Phosphide Bait	589
Strychnine (Below ground use only)	4

<u>EXOTIC PEST DETECTION</u>	<u>Traps in Operation (Seasonal High)</u>	<u>Total Number of Services</u>
European Pine Shoot Moth	5	18
Glassy-Winged Sharpshooter	115	2,015
Gypsy Moth	61	274
Khapra Beetle	168	168
Japanese Beetle	42	191
Mediterranean Fruit Fly	110	972
Melon Fruit Fly	42	343
Oriental Fruit Fly	42	363

WEED MANAGEMENT AREA PROGRAMS (WMA)

	<u>Hours</u>	<u>Sites</u>	<u>Acreage</u>	<u>Mileage</u>
Johnsongrass (<i>Sorghum halepense (L.) Pers.</i>), Yellow Starthistle (<i>Centaurea solstitialis L.</i>), Russian Thistle (<i>Salsola tragus L.</i>), and Puncture Vine (<i>Tribulus terrestris L.</i>):	1,775	-	2,672	8,774
Special Project (Live Oak Blvd)	79	1	65	183

*Represents number of sites or individuals incorporated into program surveys

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