

# **SUTTER COUNTY 2010 CROP REPORT**



**Crop, Livestock &  
Annual Report**

## California Olive Industry

As early as circa 1775, Spanish missionaries are planting olives in California for food and ceremonial use. After several epochs in California's agricultural development, by the mid-1800s, the first commercial olive orchards are planted and oil is being processed. As the demand for olive oil escalates, by the late-1800s over 150 commercial nurseries thrive in California, importing numerous olive varieties from the Mediterranean countries for planting purposes. By the 1900s, California olive oil can no longer compete with imported oil and the industry declines. Table olives in turn grow in popularity.

In early 1900, Freda Ehmann of Oroville perfected the canned, California-style cured black (ripe) olive, creating a national market. The canned olive industry experienced some serious setbacks due to botulism poisoning well into the mid-1900s, when by then combined research by federal, state and private scientists developed safer methods to can olives.

With the advent of World War II Italian and Spanish olive oil imports cease, creating a brief renewal in oil production. Forward to the mid-1980s and a new wave of specialized California olive oil makers begins, utilizing unusual varieties imported from France, Italy and Spain. With olive oil's health benefits touted, and the buy local movement flourishing, olive plantings and oil processing will continue to escalate. Today there are over 33,000 acres in production in California and here locally in Sutter County as well (see page 1). California is the only place where olives are grown in America.



OFFICE OF THE  
**AGRICULTURAL COMMISSIONER**  
**SEALER OF WEIGHTS & MEASURES**

MARK P. QUISENBERRY  
Agricultural Commissioner  
Sealer of Weights and Measures

MARK BROWN  
Assistant Agricultural Commissioner  
Assistant Sealer of Weights and Measures

August 2011

To: Karen Ross, Secretary  
California Department of Food  
and Agriculture

and

The Honorable Board of Supervisors,  
County of Sutter:  
James Gallagher, Chairman, District 5  
Larry Montna, District 1  
Stan Cleveland, District 2  
Larry Munger, District 3  
Jim Whiteaker, District 4

In accordance with Section 2272 and 2279 of the California Food and Agricultural Code, I am pleased to submit the 2010 Sutter County Agricultural Crop Report. Sutter County's gross agricultural production value totaled \$520,992,190 with Rice, Walnuts, Dried Plums (Prunes), Peaches (processing), Tomatoes (processing), Almonds and Nursery Products as the leading agricultural commodities.

Sutter County experienced an unusual, rollercoaster of a season with a wet spring, late-spring frosts, and a cool summer. This was followed by above-average rainfall in the late-summer/early-fall. The cold, wet spring affected planting for field crops, while adequate rainfall and a mild summer set the ideal conditions for fruit and nut crops. Although mired by the weather, growers met the challenge, producing crops that had average to above-average yields and returns, with good quality. A new listing for "olives" has been added to the Fruit and Nut section, as the number of plantings and operators continue to increase.

As summarized in this report, agriculture continues to be an integral part of Sutter County's economic base. Industries such as banking, labor, marketing, transportation, and other services directly or indirectly tied to agriculture benefited appreciably as the agricultural industry returned over \$2.12Billion to our economy in 2010.

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

Respectfully submitted,

A handwritten signature in blue ink, appearing to be "MPQ", followed by a long horizontal line extending to the right.

Mark P. Quisenberry,  
Agricultural Commissioner

# IN MEMORY OF MICHAEL S. FURUTA

*July 5, 1948 – June 14, 2011*

This year's Agricultural Crop Report is dedicated to the memory of Michael S. Furuta who worked for Sutter County Agricultural Commissioner's Office for 35 years. Mike began his career with Sutter County in 1975 working under an EPA Grant on Pesticide Worker Safety. When the program ended Mike was hired as an Ag and Standards Biologist by then Commissioner Alfred Perrin. He worked virtually in every program of the Department and was very knowledgeable and instrumental in providing information to co-workers as well as to the public.



Mike was a native of the Yuba-Sutter area. He attended Yuba College earning an AA degree in 1968. Mike enlisted in the U.S. Army serving our country from 1970-1972. He was a Legal Clerk and received a Bronze Star for Achievement while serving in Vietnam. Upon returning from the service Mike attended California State University Chico where he earned a Bachelor of Science degree in Agriculture. Mike is best described by his co-workers as a "quiet man that gets the job done right." He loved to laugh, enjoy local restaurant cuisine and share fishing stories. We have all been fortunate to have been able to work and learn from Mike. He was an asset to the Department and will be sorely missed.



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## FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE

CROPS	YEAR	PRODUCTION				VALUE	
		HARVESTED ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Almonds, Meats	2010	4,453	1.12	4,987	Tons	\$ 3,484.00	\$ 17,374,000
	2009	2,338	0.96	2,244	Tons	\$ 2,685.00	\$ 6,025,100
Almonds, Hulls	2010			1,241	Tons	83.00	103,000
	2009			561	Tons	80.00	44,900
Kiwifruit	2010	104	6.54	680	Tons	1,460.00	993,000
	2009	107	6.23	667	Tons	897.95	598,900
Olives	2010	200	170.00	33,855	Gallon	15.30	517,974
	2009				Miscellaneous		
Peaches, Cling	2010	7,120	15.80	112,488	Tons	287.00	32,284,100
	2009	6,996	17.15	119,981	Tons	316.94	38,026,800
Pears	2010				Miscellaneous		
	2009	55	14.40	792	Tons	146.45	116,000
Persimmons	2010	193	3.93	759	Tons	759.30	575,900
	2009	224	3.09	692	Tons	768.06	531,500
Dried Plums (Prunes)	2010	18,577	2.05	38,083	Tons	1,282.20	48,830,000
	2009	19,555	2.15	42,043	Tons	1,292.10	54,323,800
Walnuts, English	2010	21,999	1.83	40,258	Tons	1,783.00	71,760,700
	2009	20,710	1.46	30,237	Tons	1,527.57	46,189,100
Miscellaneous Fruit & Nuts <sup>1</sup>	2010	704		1,493	Tons		825,000
	2009	569		939	Tons		1,214,600
Orchard By-Products	2010						15,547,100
	2009						12,585,700
<b>TOTAL</b>	2010	<b>53,350</b>					<b>\$ 188,810,774</b>
	2009	<b>50,554</b>					<b>\$ 159,656,400</b>

<sup>1</sup> Includes Apples, Apricots, Bushberries (Blackberry, Boysenberry & Raspberry), Cherries, Chestnuts, Feijoa (Guava), Figs, Grapefruit, Grapes, Jujubes (Chinese Date), Lemons, Limes, Nectarines, Oranges (Mandarin, Naval & Valencia), Peaches (Freestone), Pecans, Pears, Pistachios, Plums, Pomegranates, Strawberries, Tangerines, Walnuts (Black) 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 <sup>1</sup>**

<b>CROP</b>	<b>BEARING ACRES</b>		<b>NON-BEARING ACRES</b>	
	<b>2010</b>	<b>2009</b>	<b>2010</b>	<b>2009</b>
Almonds	4,553	4,646	217	2,450
Apples	178	176	2	3
Apricots	6	6	0	2
Cherries	5	10	3	2
Chestnuts	4	12	0	0
Grapes	66	48	22	36
Kiwi	104	169	0	1
Nectarines	56	54	6	12
Olives	200	34	789	637
Oranges <sup>2</sup>	43	45	2	4
Peaches, Cling	7,120	6,996	63	2,803
Peaches, Freestone	87	117	29	15
Pears	55	58	0	7
Pecans	40	27	4	19
Persimmons	193	257	0	4
Pistachios	55	48	8	5
Plums	73	78	34	47
Dried Plums (Prunes)	18,577	19,588	548	3,833
Strawberries	15	16	0	0
Walnuts, Black	60	63	0	0
Walnuts, English	21,999	20,710	10,135	10,424
Miscellaneous <sup>3</sup>	129	113	89	69
<b>TOTAL</b>	<b>53,615</b>	<b>53,271</b>	<b>11,951</b>	<b>20,373</b>

<sup>1</sup> Acreage from California Crop and Livestock Reporting Service.

<sup>2</sup> Includes Naval, Valencia and Mandarin.

<sup>3</sup> Includes Bushberries (Blackberry, Boysenberry & Raspberry), Feijoa (Guava), Figs, Grapefruit, Jujubes (Chinese Date), Lemons, Limes, Pluots, Pomegranates and Tangerines.

**FIELD CROPS**  
**ACREAGE, PRODUCTION AND VALUE**

CROPS	YEAR	PRODUCTION			UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL	
BEANS, DRY:								
Lima	2010	1,965	1.21	2,378	Tons	\$	746.00	\$ 1,774,000
	2009	2,183	1.06	2,314	Tons	\$	890.58	\$ 2,060,800
Miscellaneous, <sup>1</sup>	2010	4,765		3,951	Tons			3,178,500
Beans	2009	5,521		3,813	Tons			3,023,400
Corn, field	2010	4,317	5.60	24,175	Tons		163.00	3,940,600
Grain	2009	3,477	5.69	19,784	Tons		166.27	3,289,500
Hay,	2010	5,759	6.25	35,994	Tons		120.88	4,360,000
Alfalfa	2009	7,250	7.32	53,070	Tons		123.97	6,579,100
Hay,	2010	2,058	3.49	7,181	Tons		90.40	649,200
Grain	2009	2,636	3.08	8,119	Tons		82.73	671,700
Hay,	2010	681	3.62	2,465	Tons		136.50	336,500
Other	2009	870	3.65	3,176	Tons		136.14	432,400
Pasture, <sup>2</sup>	2010	10,500			Acres		140.00	1,470,000
Irrigated	2009	10,240			Acres		140.00	1,433,600
Pasture, <sup>2</sup>	2010	64,500			Acres		10.00	645,000
Range, Dry	2009	64,496			Acres		10.00	645,000
Rice <sup>3</sup>	2010	115,449	4.30	496,431	Tons		408.81	202,945,800
	2009	109,766	4.30	471,994	Tons		406.80	192,007,200
Safflower	2010	1,938	1.12	1,931	Tons		326.00	629,500
	2009	1,965	1.24	2,437	Tons		308.80	752,500
Sorghum,	2010	145	2.45	355	Tons		156.29	55,500
Grain	2009	150	2.90	435	Tons		147.57	64,200
Straw, Grain	2010	6,696	1.45	9,709	Tons		37.00	359,200
	2009	6,377	1.41	8,992	Tons		37.00	332,700

Continued



**FIELD CROPS  
ACREAGE, PRODUCTION AND VALUE  
CONTINUED**

CROPS	YEAR	PRODUCTION			UNIT	VALUE		TOTAL
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	UNIT	
Wheat, Grain	2010	12,490	2.45	30,600	Tons	\$ 195.00	\$	5,967,000
	2009	14,045	2.29	32,163	Tons	\$ 219.54	\$	7,061,100
Wild Rice	2010	550	1.00	550	Tons	875.00		481,300
	2009	1,371	0.75	1,028	Tons	1,044.00		1,073,200
Miscellaneous <sup>4</sup>	2010	5,356		20,386	Tons			3,451,900
	2009	2,961		19,080	Tons			1,699,100
Field Crop By-Products	2010			81,661	Tons	44.33		3,620,000
	2009			77,608	Tons	42.22		3,276,600
	2010	<b>237,169</b>					\$	<b>233,864,000</b>
	2009	<b>233,308</b>					\$	<b>224,402,100</b>

<sup>1</sup> Includes Beans (Black, Blackeye, Garbanzo, Kidney) and other miscellaneous beans of a limited number of growers/processors in Sutter County.

<sup>2</sup> The valuation is not an animal production figure, but a land value (rental equivalent).

<sup>3</sup> Includes USDA Support Price.

<sup>4</sup> Includes Barley, Corn (Silage), Cotton, Oat (Silage), Popcorn, Triticale, Vetch 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		TOTAL
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	UNIT	
Melons, Honeydew	2010	2,639	8.60	22,695	Tons	\$ 338.33	\$	7,678,500
	2009	1,563	8.66	13,536	Tons	\$ 338.64	\$	4,583,800
Tomatoes, Processing	2010	7,331	45.00	329,895	Tons	67.87		22,390,000
	2009	9,000	36.34	327,060	Tons	80.00		26,164,800
Miscellaneous <sup>1</sup>	2010	103		1,122	Tons			1,105,700
	2009	61		630	Tons			678,300
<b>TOTAL</b>	<b>2010</b>	<b>10,073</b>					\$	<b>31,174,200</b>
	<b>2009</b>	<b>10,624</b>					\$	<b>31,426,900</b>

<sup>1</sup> Includes Asparagus, Basil, Beets, Broccoli, Cabbage, Cantaloupe, Carrots, Cauliflower, Cilantro, Corn (Sweet), Cucumber, Eggplant, Garlic, Gourds, Green Beans, Herbs, Kale, Melons (Mixed), Okra, Onions, Peas, Peppers, Potatoes, Pumpkins, Squash, Sweet Potatoes, Tomatoes (Fresh, Greenhouse), Watermelon 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, <sup>1</sup> (Dry)	2010	614	2,225	1,366,150	Lbs	\$	0.44	\$	601,100
	2009	1,534	2,020	3,098,680	Lbs	\$	0.53	\$	1,642,300
Cucumber	2010	1,576	304	479,104	Lbs		11.28		5,404,300
	2009	855	148	126,540	Lbs		11.95		1,512,200
Pumpkin & Squash	2010	440	844	371,383	Lbs		2.79		1,036,100
	2009	492	637	313,404	Lbs		2.97		930,800
Rice	2010	5,542	8,176	45,311,392	Lbs		0.33		14,952,800
	2009	5,269	8,600	45,313,400	Lbs		0.25		11,328,400
Safflower	2010	1,023	1,038	1,061,048	Lbs		0.18		191,000
	2009	1,146	1,333	1,527,618	Lbs		0.15		229,100
Sunflower	2010	7,740	953	7,376,220	Lbs		1.18		8,703,900
	2009	9,041	1,041	9,411,681	Lbs		1.22		11,482,300
Watermelon	2010	1,610	325	523,250	Lbs		6.15		3,218,000
	2009	919	300	275,700	Lbs		6.17		1,701,100
Wheat	2010	607	5,000	3,035,000	Lbs		0.10		303,500
	2009	995	4,706	4,682,470	Lbs		0.10		468,200
Miscellaneous <sup>2</sup>	2010	1,173		875,525	Lbs				3,460,200
	2009	1,084		388,721	Lbs				6,038,200
<b>TOTAL</b>	<b>2010</b>	<b>20,325</b>						<b>\$</b>	<b>37,870,900</b>
	<b>2009</b>	<b>21,335</b>						<b>\$</b>	<b>35,332,600</b>

<sup>1</sup> Includes Beans (Blackeye, Cowpea, Cranberry, Lima, Dark Red Kidney, Light Red Kidney) and other bean seed crops of a limited number of growers/processors in Sutter County.

<sup>2</sup> Includes Alfalfa, Arugula, Basil, Cabbage, Cantaloupe, Carrots, Cauliflower, Coriander, Lettuce, Mixed Melons, Okra, Onions, Peppers, Radish, Sugar Peas, Swiss Chard, Tomatoes and other miscellaneous seed crops of a limited number of growers/processors in Sutter County.

**NURSERY PRODUCTS  
ACREAGE, PRODUCTION AND VALUE**

<b>NURSERY PRODUCTS</b>	<b>YEAR</b>	<b>FIELD ACRES</b>	<b>QUANTITY SOLD</b>	<b>UNIT</b>	<b>TOTAL</b>
Fruit & Nut (Bareroot & Potted)	2010	165	2,580,656	Each	\$ 13,304,200
Trees and Vines <sup>1</sup>	2009	158	2,158,000	Each	\$ 9,664,700
Miscellaneous <sup>2</sup>	2010	6	1,792	Each	4,571
	2009	11	2,427	Each	48,000
<b>TOTAL</b>	<b>2009</b>	<b>171</b>			<b>\$ 13,308,771</b>
	<b>2010</b>	<b>169</b>			<b>\$ 9,712,700</b>

<sup>1</sup> Correction to 2009 potted pistochios were reported as ornamentals, should have been reported in Fruit & Nut

<sup>2</sup> Includes Ornamental Trees, Shrubs and other Nursery Stock

**APIARY PRODUCTS  
PRODUCTION AND VALUE**

<b>ITEM</b>	<b>YEAR</b>	<b>PRODUCTION</b>	<b>UNIT</b>	<b>VALUE PER UNIT</b>	<b>TOTAL</b>
Pollination	2010	39,563	Colony	\$ 57.95	\$ 2,292,845
	2009	49,733	Colony	\$ 33.42	\$ 1,662,100
Miscellaneous <sup>1</sup>	2010	175,743			966,200
	2009 <sup>2</sup>	174,183			899,900
<b>TOTAL</b>	<b>2010</b>	<b>215,306</b>			<b>\$ 3,259,045</b>
	<b>2009</b>	<b>223,916</b>			<b>\$ 2,562,000</b>

<sup>1</sup> Includes Package Bees, Queen Bees and Honey

<sup>2</sup> Correction 2009 to include honey in miscellaneous

## LIVESTOCK PRODUCTS PRODUCTION AND VALUE

ITEM	YEAR	PRODUCTION			VALUE		TOTAL
		NUMBER	TOTAL LIVE WEIGHT	UNIT	PER UNIT	UNIT	
Cattle & Calves	2010	10,570	79,022	Cwt.	\$ 80.10	\$	6,329,700
	2009	9,609	71,838	Cwt.	\$ 71.17	\$	5,112,700
Sheep & Lambs	2010	15,733	25,173	Cwt.	86.50		2,177,400
	2009	15,577	19,190	Cwt.	82.94		1,591,600
Wool <sup>1</sup>	2010	94,779		Lbs.	0.97		91,900
	2009	95,736		Lbs.	0.89		85,200
Miscellaneous <sup>2</sup>	2010						4,101,900
	2009						4,283,300
Livestock By-Products	2010						3,600
	2009						3,400
<b>TOTAL</b>	<b>2010</b>	<b>121,082</b>				<b>\$</b>	<b>12,704,500</b>
	<b>2009</b>	<b>120,922</b>				<b>\$</b>	<b>11,076,200</b>

<sup>1</sup> Includes USDA Support Price

<sup>2</sup> Includes Alpaca, Angora Fur, Aquaculture, Chickens, Chicken Eggs, Duck, Fish Bait, Geese, Goats, Hogs, Milk (Market), Game Birds, Musk Oxen, Pheasants, Pigeons, Rabbits, Rabbit Hides, Turkeys, Water Buffalo and other miscellaneous livestock and poultry of a limited number of growers/processors in Sutter County.

**SUMMARY**  
**FARM VALUE OF AGRICULTURAL PRODUCTION**

	<u>2009</u>		<u>2010</u>
FRUIT & NUT CROPS	\$ 159,656,400	FRUIT & NUT CROPS	\$ 188,810,774
FIELD CROPS	\$ 224,402,100	FIELD CROPS	\$ 233,864,000
SEED CROPS	\$ 35,332,600	SEED CROPS	\$ 37,870,900
VEGETABLE CROPS	\$ 31,426,900	VEGETABLE CROPS	\$ 31,174,200
NURSERY PRODUCTS <sup>1</sup>	\$ 9,712,700	NURSERY PRODUCTS	\$ 13,308,771
APIARY PRODUCTS	\$ 2,562,000	APIARY PRODUCTS	\$ 3,259,045
LIVESTOCK PRODUCTS	\$ 11,076,200	LIVESTOCK PRODUCTS	\$ 12,704,500
<b>TOTAL</b>	<b>\$ 474,168,900</b>		<b>\$ 520,992,190</b>

<sup>1</sup> Potted pistachios were reported as ornamentals, should be Fruit & Nut

**TEN LEADING CROPS AND VALUE<sup>1</sup>**

(Excluding By-Products)

	<u>2009</u>		<u>2010</u>
RICE	\$ 203,335,600	RICE	\$ 217,898,600
DRIED PLUMS (PRUNES)	\$ 54,323,800	WALNUTS	\$ 71,761,378
WALNUTS	\$ 46,189,800	DRIED PLUMS (PRUNES)	\$ 48,830,000
PEACHES	\$ 38,112,700	PEACHES	\$ 32,356,656
TOMATOES	\$ 26,731,300	TOMATOES	\$ 23,214,374
NURSERY PRODUCTS	\$ 11,234,900	ALMONDS	\$ 17,477,000
WHEAT	\$ 7,529,300	NURSERY PRODUCTS	\$ 13,308,771
BEANS	\$ 6,727,500	WHEAT	\$ 6,270,500
ALFALFA	\$ 6,579,100	BEANS	\$ 5,554,400
ALMONDS	\$ 6,070,000	ALFALFA	\$ 4,360,000

<sup>1</sup> 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>
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
1976	\$ 178,554,000	2005	\$ 305,190,190
1977	\$ 200,878,000	2006	\$ 358,845,200
1978	\$ 220,502,000	2007	\$ 377,940,800
1979	\$ 258,666,900	2008	\$ 498,195,200
1980	\$ 299,014,700	2009	\$ 475,691,100
1981	\$ 316,465,900	2010	\$ 520,992,190

\* Revised

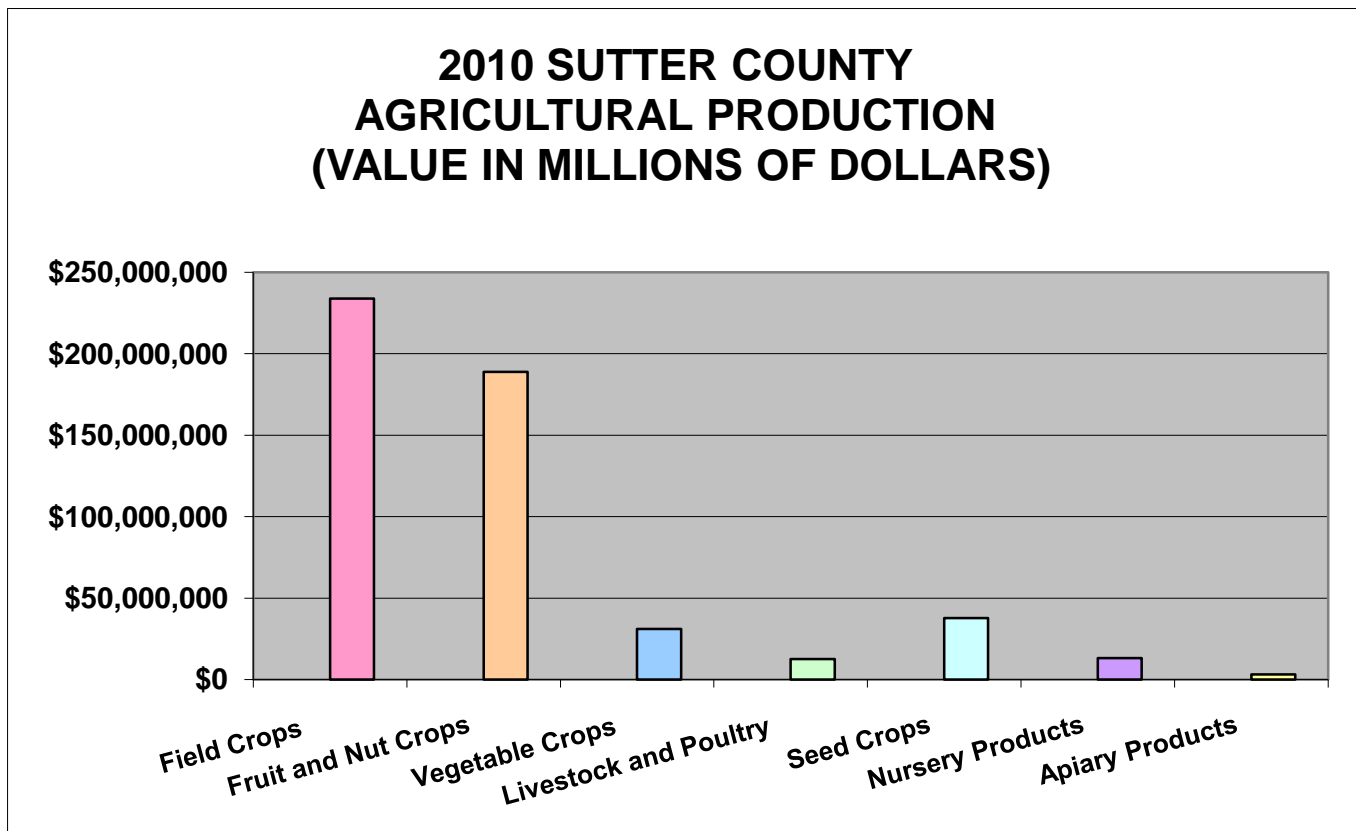
## AGRICULTURAL PRODUCTION COMPARISON

COUNTY	2009 RANK	GROSS VALUE *	TOTAL COUNTY ACRES **	AGRICULTURAL LAND ***	AGRICULTURAL LAND PERCENT	AG VALUE PER COUNTY ACRES
Fresno	1	\$ 5,372,009,000	3,816,320	1,636,224	43%	\$ 1,407.64
Tulare	2	\$ 4,046,355,000	3,158,400	1,168,684	37%	\$ 1,281.14
Monterey	3	\$ 4,033,718,000	2,127,359	1,327,972	62%	\$ 1,896.12
Kern	4	\$ 3,606,356,000	5,229,440	2,361,765	45%	\$ 689.63
<b>Sutter</b>	<b>22</b>	<b>\$ 475,691,000</b>	<b>389,402</b>	<b>359,802</b>	<b>92%</b>	<b>\$ 1,221.59</b>

\* County Crop Report

\*\* State of California Public Land Survey

\*\*\* 2007 Census of Agriculture



## 2010 SUTTER COUNTY EXPORTS

### VEGETABLE/GRASS SEEDS

Seeds include the following: Alfalfa, apricot, artichoke, asparagus, bean, beet, bermuda grass, blackberry, broccoli, cabbage, cauliflower, carrot, celery, chard (swiss), cherry, coriander, cucumber, dichondra, eggplant, kernel, Kohlrabi, leek, lettuce, melon, mustard, okra, onions, parsley, peas, peppers, pumpkin, radish, safflower, spinach, squash, tomatoes, turnips, watermelon & zucchini

Algeria	Fiji	Jamaica	Panama	Syria Arab Republic
Argentina	France	Japan	Paraguay	Taiwan
Australia	Ghana	Jordan	Peru	Thailand
Bolivia	Greece	Kenya	Philippines	Trinidad & Tobago
Brazil	Guatemala	Lebanon	Poland	Turkey
Chile	Guyana	Mauritius	Portugal	Ukraine
China	Haiti	Mexico	Republic of Yemen	United Arab Emirates
Colombia	Hong Kong	Morocco	Saudi Arabia	United Kingdom
Costa Rica	Honduras	Mozambique	Sri Lanka	Uruguay
Denmark	India	Netherlands	South Africa	Venezuela
Dominican Republic	Iran	Nicaragua	Spain	Vietnam
Ecuador	Iraq	Oman	Suriname	Yemen
Egypt	Italy	Pakistan	Switzerland	

### DRIED PLUMS (PRUNES)

Algeria	Japan
Australia	Jordan
Brazil	Malaysia
Chile	Malta
China	Netherlands
Costa Rica	New Zealand
Dominican Republic	Philippines
Ecuador	Poland
Egypt	Republic of Korea
el Salvador	Russian Federation
France	Singapore
Germany	Spain
Greece	Taiwan
Hong Kong	Thailand
India	Ukraine
Indonesia	United Arab Emirates
Israel	United Kingdom
Italy	Vietnam

### KIWIFRUIT

Mexico

### WALNUT - MEATS AND IN SHELL

Argentina, Australia, Bosnia, China, Egypt, Germany  
Hong Kong, India, Israel, Italy, Japan, Jordan  
Morocco, Netherlands, Republic of Korea, Spain  
Turkey, United Arab Emirates, Venezuela, Vietnam

### PADDY RICE/WILD RICE

Germany, Hungary, Turkey

### DRY BEANS/PEAS

Angola, Argentina, Australia, Bahamas, Bolivia, Columbia,  
Costa Rica, Ecuador, Italy, Jamaica, Japan,  
New Zealand, Oman, Panama, Taiwan



# SUSTAINABLE AGRICULTURE

## JANUARY - DECEMBER 2010

<p style="text-align: center;"><b><u>REGISTERED ORGANIC FARMING</u></b></p> <p>Thirty three (33) Organic Producers (farming 12,643 Acres) Two (2) Handlers and Two (2) Processors</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b><u>PEST EXCLUSION</u></b></td> <td style="width: 20%; text-align: center;"><b><u>Total Units Inspected</u></b></td> <td style="width: 20%; text-align: center;"><b><u>Total Acres Inspected</u></b></td> </tr> <tr> <td>Interstate, Intrastate</td> <td style="text-align: center;">4,560</td> <td></td> </tr> <tr> <td>Phytosanitary Field Inspection</td> <td></td> <td style="text-align: center;">11,502</td> </tr> </table>	<b><u>PEST EXCLUSION</u></b>	<b><u>Total Units Inspected</u></b>	<b><u>Total Acres Inspected</u></b>	Interstate, Intrastate	4,560		Phytosanitary Field Inspection		11,502
<b><u>PEST EXCLUSION</u></b>	<b><u>Total Units Inspected</u></b>	<b><u>Total Acres Inspected</u></b>								
Interstate, Intrastate	4,560									
Phytosanitary Field Inspection		11,502								

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

<b><u>PEST DETECTION</u></b>	<b><u>Visual Hours</u></b>	<b><u>Number of Properties</u></b>	<b><u>Traps in Operation (Seasonal High)</u></b>	<b><u>Total Number of Services</u></b>
Public Contact	98	91		
Khapra Beetle			114	228
McPhail			12	348
Vine Mealy Bug			7	55
Light Brown Apple Moth			110	1,443
European Pine Shoot Moth			5	24
Glassy-Winged Sharpshooter			115	2,001
Gypsy Moth			61	325
Japanese Beetle			42	238
Mediterranean Fruit Fly			110	1,428
Melon Fruit Fly			2	441
Oriental Fruit Fly			42	554

<b><u>VERTEBRATE PEST CONTROL</u></b>	
<b><u>CONTROL AGENTS</u></b>	<b><u>Units Used/Sold</u></b>
Anticoagulant Bait	1,265
Anticoagulant, Paraffin Blocks	241
Zinc Phosphide Bait	650

<b><u>NURSERY INSPECTION</u></b>	<b><u>Visual Hours</u></b>	<b><u>Number of Properties</u></b>	<b><u>Number of Acres</u></b>
	32	36	79

<b><u>WEED MANAGEMENT AREA PROGRAMS</u></b>			
	<b><u>Sites</u></b>	<b><u>Hours</u></b>	<b><u>Acreage</u></b>
<i>Arundo donax</i> L.	16	685	3

\*Represents number of sites or crop control agents incorporated into program.

**SUTTER COUNTY AGRICULTURAL COMMISSIONERS OFFICE  
SEALER OF WEIGHTS AND MEASURES  
DIRECTOR of UNDERGROUND STORAGE of HAZARDOUS MATERIALS (CUPA)**

*2010 Department Statistics*

**Pest Exclusion**

This program provides the first line of defense for California agriculture and the environment against the invasion of exotic pests. Inspections provide protection from the introduction of plant and animal insect and disease pests that may be introduced into the state through the movement of legal or illegal trade. This program also involves inspections of plant material being delivered to other states and countries and the issuance of certificates documenting compliance with their entry requirements.

*Total Hours Expended 2010: 7,716*

**Pest Detection**

This program provides the second line of defense against exotic pests through the early detection of new introductions before they become widely established. Through early detection the likelihood of these pests becoming established in the state is lessened and the cost and environmental impact of eradication is minimized.

*Total Hours Expended 2010: 1,794*

**Pest Management**

The county Ag Commissioner is charged with the responsibility of managing nuisance pests of agriculture and human health. Many of these pests are introduced species that have become established despite our best pest exclusion efforts. If promising, programs are established to distribute biological agents for troublesome pests.

*Total Hours Expended 2010: 5,275*

**Pesticide Use Enforcement**

This is a complex legislatively mandated program that provides for the proper, safe, and effective use of pesticides essential for production of food and fiber and for protection of the public health and safety. It also protects the environment from potentially harmful pesticides by prohibiting, regulating or ensuring proper stewardship of pesticides. An important component of the program focuses on agricultural and pest control workers, ensuring safe working conditions, use of proper protective equipment and training for employees who work with or around pesticides. Other components of the program include pesticide use reporting, incident investigations, outreach activities promoting best management practices, and monitoring applications in the field.

*Total Hours Expended 2010: 12,344*

### **Consumer Protection and Services**

**Seed Certification:** Inspections are performed at retail and wholesale establishments that sell seed. Samples are drawn for germination and purity testing, and labeling is inspected for compliance with state requirements. Through this program certification services are also available for growers and processors in cooperation with the California Crop Improvement Association.

*Total Hours Expended 2010: 185*

**Nursery Inspection:** Through this program inspections are performed at the growing, propagation, production and sales site to assure cleanliness from pests, varietal trueness and stock vigor prior to consumer sales.

*Total Hours Expended 2010: 60*

**Fruit, Nut, and Vegetable Standardization:** This program ensures compliance with California's minimum standards regarding quality and marketing of all produce commercially grown and/or marketed in the state. Direct Marketing regulation and Organic law enforcement are part of a program that provides for local protection to growers, marketers and consumers.

*Total Hours Expended 2010: 374*

**Apiary Inspection:** A program that emphasizes the registration and site location of honeybee colonies in the county. At the request of beekeepers or growers, the county Ag Commissioner inspects colonies for strength and health to ensure effective pollination.

*Total Hours Expended 2010: 45*

**Crop Statistics:** As required by the California Food and Agricultural Code, the gross production and value of the county's commodities are compiled and recorded in the annual crop report. This valuable information helps associated businesses while promoting the production and prosperity of agriculture in California.

*Total Hours Expended 2010: 303*

**Predatory Animal Damage Control:** In cooperation with USDA's Animal and Plant Health Inspection Service-Wildlife Services, this program responds to requests by the public and agencies in need of assistance in managing wildlife damage. The program has the authority to assist in solving problems that are created when wildlife causes damage to agricultural property or natural resources. The program also assists with wildlife problems involving threats to human health and safety and threatened or endangered species.

*Total Hours Expended 2010: 2,112*

**Measurement Standards:** County weights and measures officials ensure the accuracy of commercial weighing and measuring devices, verify the quantity of both bulk and packaged commodities; and enforce the quality, advertising and labeling standards for most petroleum products.

***Total Hours Expended 2010: 3,328***

**Certified Unified Program Agency (CUPA):** The Unified Program is the consolidation of six state environmental programs into one program under the authority of a Certified Unified Program Agency. This program was established under the amendments to the California Health and Safety Code made by SB 1082 in 1994. A CUPA, or Certified Unified Program Agency is a local agency that has been certified by Cal-EPA to implement the six state environmental programs within the local agency's jurisdiction. The six programs include inspecting farms subject to the Hazardous Materials Business Plan, Hazardous Waste Generator/Tiered Permitting Program, and Aboveground Storage Tank Program. SCAD will inspect all farms subject to these programs on a three-year basis. SCAD will incorporate any previously unidentified farms subject to these requirements into the three-year inspection cycle

***Total Hours Expended 2010: 275***

***Program Details can be found at:***

**[www.suttercounty.org/cropreport](http://www.suttercounty.org/cropreport)**

AGRICULTURAL COMMISSIONER  
SEALER OF WEIGHTS AND MEASURES  
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SEALER OF WEIGHTS AND MEASURES  
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SECRETARY  
OFFICE ASSISTANT II