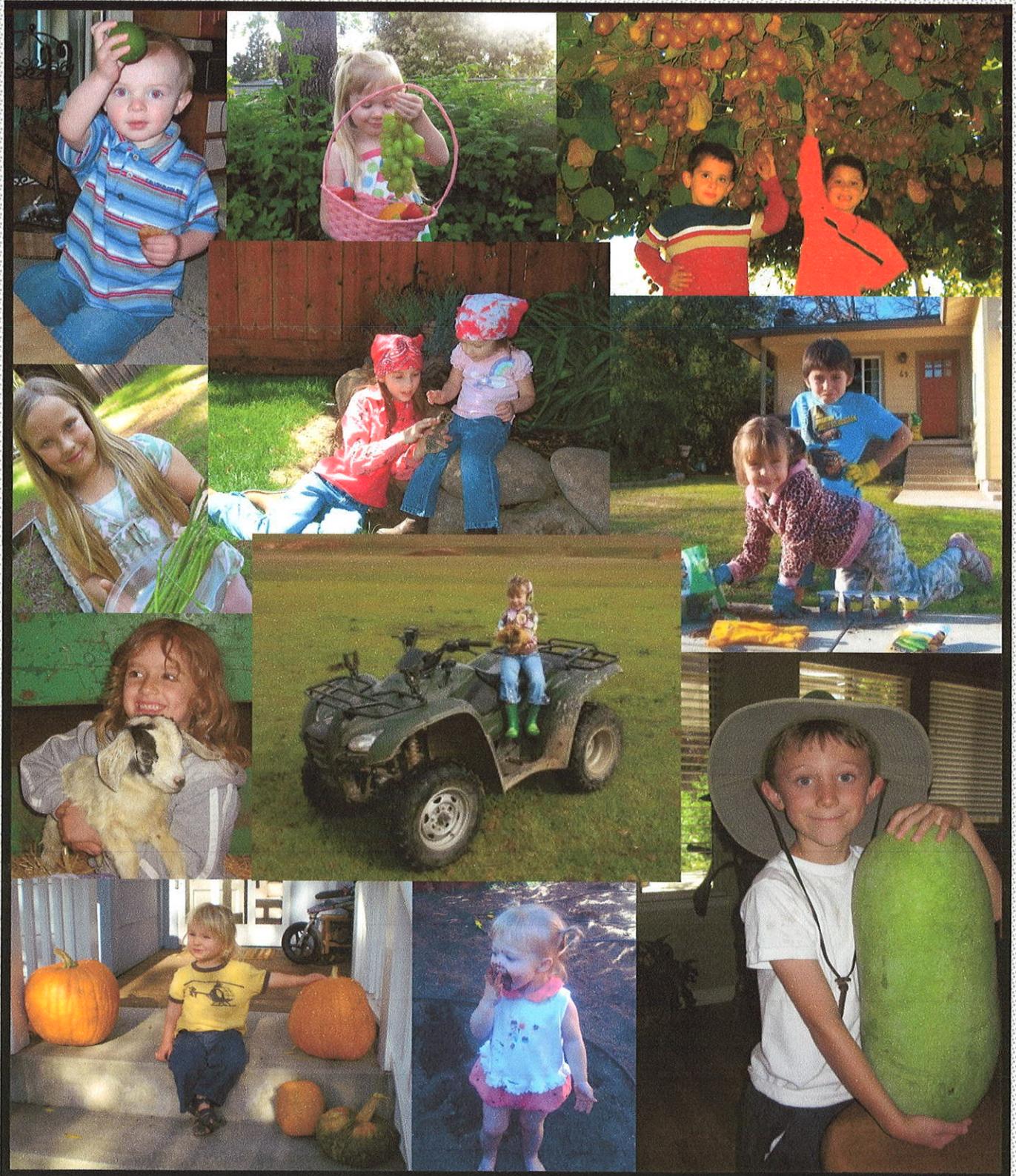


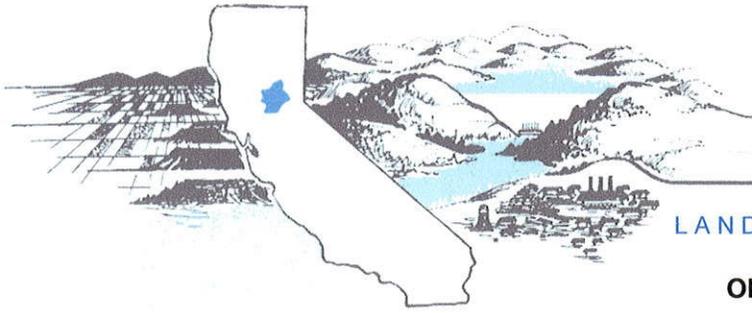
Butte County 2009 Agricultural Crop Report



The 2009 Butte County Crop Report is dedicated to
youth in agriculture.

The cover features, "The Future Crop of Ag Commissioners."
Each picture was submitted by personnel of the
Butte County Agricultural Commissioner's Office.

Butte County Agricultural Commissioner's Office website
www.buttecounty.net/ag



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

316 NELSON AVENUE OROVILLE, CALIFORNIA 95965-3318
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RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures

MARY E. DANIELS
Assistant Agricultural Commissioner
Weights and Measures

June 29, 2010

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

The Honorable Butte County Board of Supervisors

Bill Connelly, Chairperson

Jane Dolan Steve Lambert
Maureen Kirk Kim Yamaguchi

Greg Iturria, Interim Chief Administrative Officer,

In accordance with provisions of section 2279 of the California Food and Agriculture Code, I am submitting the sixty-eighth annual crop report of agricultural production and agricultural value in Butte County for the 2009 calendar year.

This report is a summary estimate of the acreage, production and gross value of Butte County agricultural products. The values presented in this report are gross values only, and do not reflect net farm income or costs of production and marketing.

The estimated gross value of agricultural production in Butte County for 2009 totaled \$544,013,257. This is a 36 million dollar decrease over the 2008 gross value total of \$579,928,000. The total increase in gross value of agriculture during 2009 is 72.0 percent above our county 10-year average of \$389,396,300.

I wish to extend my appreciation to the many producers, processors and agencies, both private and governmental, and to all the staff for their efforts in the compilation of this report.

Respectfully submitted,

Richard B. Price
Richard B. Price, Agricultural Commissioner

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Butte County Agricultural Commissioner's Office

Richard Price
Agricultural Commissioner / Director of Weights & Measures

Mary Daniels
Assistant Agricultural Commissioner / Weights & Measures

Robert C. Hill
Deputy Agricultural Commissioner

Navid A. Khan
Deputy Agricultural Commissioner

Oroville Office

Randy Hartman—Agricultural Biologist III
Charmaine Damron—Administrative Assistant, Senior
Friede Violante—Office Specialist
Janice Wallick—Office Specialist
Michael Brown—Agricultural / W&M Inspector I
Apolinar Barrales—Agricultural / W&M Inspector
Gary Imhoff—Agricultural / W&M Inspector
Sally Loker—GIS Technician
Matt Albertson—Wildlife Specialist

Chico District Office

Helmut Bloo—Agricultural Biologist, Supervisor
Eric Pittman—Agricultural Biologist, Senior
Dave Sanford—Agricultural Biologist, Senior
Paul Weliver—Agricultural Biologist III

Gridley District Office

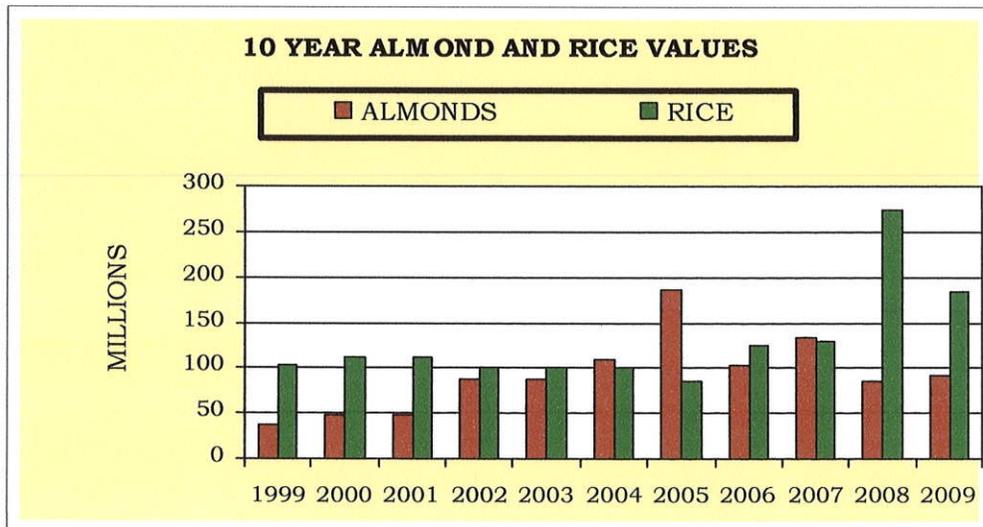
Mike Stewart—Agricultural Biologist, Supervisor
Ramon Jauregui—Agricultural Biologist III
Katharine Quist—Agricultural Biologist III

Weights & Measures

Tom Pisani—Deputy Director of Weights & Measures
Ron Hunt—Weights & Measures Inspector, Senior
Dan Shrout—Weights & Measures Inspector III

2009 Million Dollar Crops

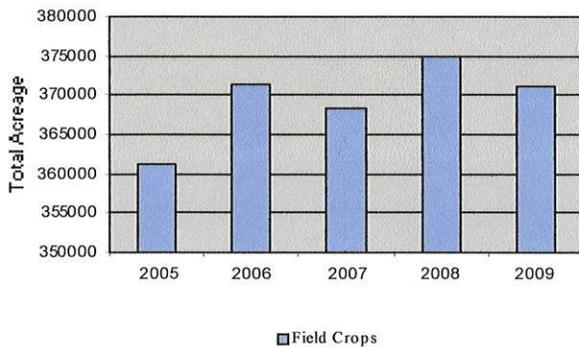
	<u>CROP</u>	<u>VALUE</u>
1	RICE	\$184,214,845
2	WALNUTS	\$116,721,000
3	ALMONDS	\$90,817,600
4	DRIED PLUM	\$36,924,668
5	NURSERY STOCK	\$26,750,760
6	RICE SEED	\$12,208,296
7	PEACHES—CLINGSTONE	\$10,590,620
8	FRUIT & NUT, Misc.	\$10,399,868
9	CATTLE/CALVES	\$7,647,840
10	APIARY POLLINATION	\$6,484,142
11	KIWIS	\$5,473,578
12	FIELD CROPS, Misc.	\$5,379,414
13	TIMBER	\$4,428,550
14	OLIVES, ALL	\$3,831,767
15	ALMOND HULLS	\$3,515,520
16	DRYLAND PASTURES & RANGE	\$3,480,000
17	BEANS	\$2,926,000
18	SEED, MISC.	\$2,656,727
19	PASTURE, IRRIGATED	\$2,560,000
20	WHEAT	\$1,464,000
21	PISTACHIOS	\$1,370,150



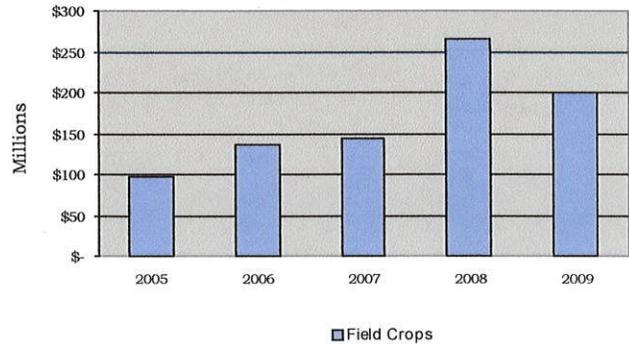
Five Year Summary of Plant Crop Acres

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>
Field Crops	361,082	371,257	368,396	375,030	371,082
Fruit & Nut Crops	82,178	86,933	88,373	86,672	90,842
Seed Crops	6,453	5,438	5,671	5,702	5,482
Vegetable Crops	680	680	685	690	740
Grand Total	450,393	464,308	463,125	468,094	468,146

Field Crops Five Year Acreage Comparison



Field Crops Five Year Value Comparison



Five Year Summary of Crop Values

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>
Apiary Products	\$4,213,000	\$6,726,000	\$7,300,000	\$7,197,000	\$7,153,942
Field Crops	\$96,874,000	\$136,697,000	\$144,741,000	\$266,206,000	\$201,062,334
Fruit & Nut Crops	\$300,111,000	\$252,358,000	\$298,284,000	\$232,981,000	\$280,076,771
Livestock, All	\$11,925,000	\$11,815,000	\$12,679,000	\$11,218,000	\$8,904,077
Nursery Stock	\$11,099,000	\$19,905,000	\$18,832,000	\$30,748,000	\$26,750,760
Seed Crops	\$7,256,000	\$6,479,000	\$8,271,000	\$14,853,000	\$14,861,023
Vegetable Crops	\$550,000	\$570,000	\$588,000	\$720,000	\$770,400
Subtotal	\$432,028,000	\$434,550,000	\$490,695,000	\$563,923,000	\$539,579,307
Timber, All	\$7,662,000	\$19,662,000	\$16,558,000	\$16,005,000	\$4,433,950
Grand Total	\$439,690,000	\$454,212,000	\$507,253,000	\$579,928,000	\$544,013,257

2009 Field Crop Acreage, Production & Value

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>UNIT PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>VALUE PER UNIT</u>	<u>TOTAL VALUE</u>
Beans, Dry Edible	2009	1,672	1.75	2,926	Ton	\$1,000.00	\$2,926,000
	2008	930	1.15	1,070	Ton	\$1,050.00	\$1,123,000
Hay, Alfalfa	2009	1,508	6.4	9,651	Ton	\$103.00	\$994,053
	2008	1,716	7.2	12,355	Ton	\$175.00	\$2,162,125
Pasture, Irrigated	2009	16,000			Acre	\$160.00	\$2,560,000
	2008	16,000			Acre	\$160.00	\$2,560,000
Pasture, Other	2009	240,000			Acre	\$14.50	\$3,480,000
	2008	240,000			Acre	\$10.00	\$2,400,000
Rice*	2009	103,416	4.7	486,055	Ton	\$379.00	\$184,214,845
	2008	105,301	4.4	463,324	Ton	\$535.00	\$247,878,000
Safflower	2009	120	1.15	138	Ton	\$319.00	\$44,022
	2008	222	1	222	Ton	\$450.00	\$100,000
Wheat	2009	3,704	2.16	8,000	Ton	\$183.00	\$1,464,000
	2008	4,271	2.4	\$10,250	Ton	\$220.00	\$2,255,000
Misc.**	2009	4,662					\$5,379,414
	2008	6,590					\$7,728,000
Total	2009	371,082					\$201,062,334
	2008	375,030					\$266,206,000

*Includes government payment.

**Alfalfa silage, barley, beans (other), corn, corn silage, cotton, lavender, oats, pumpkin, sorghum, sunflower, wild rice, sweet rice, organic field crops, crop by products, etc.

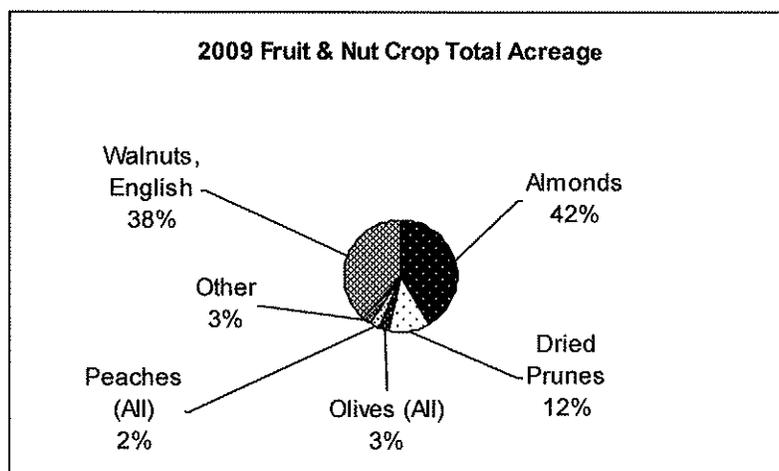
2009 Seed Acreage, Production & Value

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>TOTAL VALUE</u>
Rice	2009	4,304	9,150	39,381,600	Lbs.	\$0.31	\$12,208,296
	2008	4,329	8,500	36,796,500	Lbs.	\$0.33	\$12,143,000
Misc.*	2009	1,432					\$2,652,727
	2008	1,373					\$2,710,000
Total	2009	5,736					\$14,861,023
	2008	5,702					\$14,853,000

*Beans (other), cucurbits, melons, pumpkins, safflower, squash, sunflower, wild rice, organic field crops, crop by products, etc.

2009 Fruit & Nut Crops Acreage Statistics

<u>ORCHARD CROPS</u>	<u>BEARING ACREAGE*</u>	<u>NON-BEARING ACREAGE*</u>	<u>TOTAL ACREAGE</u>
Almonds	38,548	1,703	40,251
Apples	58	0	58
Apricots	30	0	30
Avocados	2	0	2
Cherries	329	59	388
Chestnuts	38	0	38
Grapes (All)	208	0	208
Kiwis	513	0	513
Mandarins	60	1	61
Nectarines	7	0	7
Olives (Oil)	2,055	115	2,170
Olives (Table)	868	0	868
Oranges – Navels & Valencias	94	1	95
Peaches, Clingstone	2,224	48	2,272
Peaches, Freestone	70	0	70
Pears (All)	5	0	5
Pecans	188	123	311
Persimmons	101	0	101
Pistachios	475	275	750
Plums	151	14	165
Dried Plums	10,718	620	11,338
Walnuts, English	32,022	5,200	37,222
Walnuts, Black	42	0	42
TOTAL	88,806	8,159	90,842



2009 Fruit & Nut Acreage, Production & Value

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>TOTAL VALUE</u>
Almonds	2009	38,548	0.76	29,296	Ton	\$3,100.00	\$90,817,600
	2008	37,100	0.89	33,019	Ton	\$2,614.00	\$86,312,000
Citrus, All Oranges	2009	94	4.79	450	Ton	\$960.00	\$432,000
	2008	159	3.15	500	Ton	\$1,200.00	\$600,000
Hulls, Almond	2009			43,944	Ton	\$80.00	\$3,515,520
	2008			41,273	Ton	\$90.00	\$3,715,000
Kiwis	2009	513	7.44	3,817	Ton	\$1,434.00	\$5,473,578
	2008	710	6	4,260	Ton	\$1,380.00	\$5,879,000
Olives (Oil)	2009	2055	3.3	6,782	Ton	\$481.00	\$3,262,142
	2008	—	—	—	—	—	—
Olives (Table)	2009	868	0.75	651	Ton	\$875.00	\$569,625
	2008	—	—	—	—	—	—
Olives** (All)	2008	2,196	2.49	5,468	Ton	\$911.00	\$4,981,000
Peaches, Clingstone	2009	2,224	15.9	35,361	Ton	\$299.50	\$10,590,620
	2008	2,488	16	39,808	Ton	\$305.00	\$12,141,000
Pistachios	2009	475	0.86	409	Ton	\$3,350.00	\$1,370,150
	2008	471	1.3	612	Ton	\$4,360.00	\$2,668,000
Plums, Dried	2009	10,718	2.81	30,118	Ton	\$1,226.00	\$36,924,668
	2008	10,227	2.02	20,658	Ton	\$1,507.00	\$31,132,000
Walnuts, English	2009	32,022	2.25	72,050	Ton	\$1,620.00	\$116,721,000
	2008	30,055	2.16	64,918	Ton	\$1,165.00	\$75,629,000
*Misc.	2009	3,325					\$10,399,868
	2008	3,266					\$9,924,000
TOTAL	2009	90,842					\$280,076,771
	2008	86,672					\$232,981,000

*Apples, apricots, avocados, blueberries, misc. berries, black walnuts, cherries, chestnuts, grapes, mandarins, peaches (Freestone), crop by-products, pears, pecans, persimmons, plums, fresh prunes, organic tree crops, etc.

**2008 Olive data included totals from both oil and table production.

Acres may vary from state report. Figures are based on harvested acres only.

2009 Butte County International Trading Partners

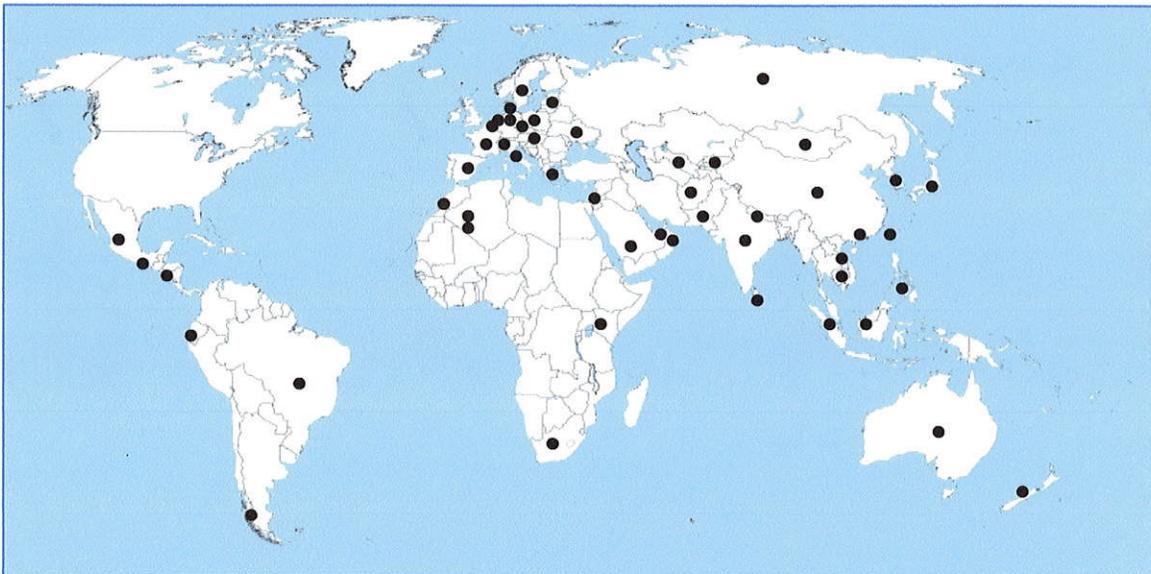
Butte County experienced a steady growth in Agricultural Exports in 2009. The Agricultural export business continues to be a bright spot for Butte County's Agricultural Production.

Commodities Exported

Almonds
Almond Shells
Air Plants
Figs

Kiwi Rice, All
Plums, Fresh
Plums, Dried
Rice, All

Seeds, Other
Sunflower Seeds
Timber
Tomatoes
Walnuts



Destination Countries

Afghanistan	Greece	Mongolia	Singapore
Algeria	Guatemala	Morocco	South Africa
Austria	Hong Kong	Nepal	Spain
Belgium	Hungary	Netherlands	Sri Lanka
Brazil	India	New Zealand	Sweden
Cambodia	Israel	Oman	Switzerland
Chile	Italy	Pakistan	Taiwan
China	Japan	Philippines	Ukraine
Czech Republic	Kenya	Peoples Republic of China	United Arab Emirates
Denmark	Kyrgyzstan	Poland	United Kingdom
Ecuador	Latvia	Republic of Korea	Uzbekistan
France	Malaysia	Russian Federation	Vietnam
Germany	Mexico	Saudi Arabia	

2009 Organic Crop Statistics

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>	<u>TOTAL VALUE</u>
Registered Organic Producers	69	18,355	\$7,460,700

*Includes alfalfa, almonds, apples, berries, cherries, cut flowers, grapes, herbs, kiwi fruit, livestock, dairy, mandarins, nursery stock, olives, peaches, persimmons, prunes, rice, safflower, tomatoes, vegetables, vetch, walnuts and wild rice.

2009 Vegetable Value

<u>CROP</u>	<u>YEAR</u>	<u>TOTAL VALUE</u>
Misc.*	2009	\$770,400
	2008	\$720,000

*Asparagus, broccoli, corn, cucumbers, melons, onions, oriental vegetables, pumpkins, squash, tomatoes, etc.

2009 Nursery Acreage & Value

<u>CROP</u>	<u>YEAR</u>	<u>TOTAL ACREAGE</u>	<u>TOTAL VALUE</u>
Misc.*	2009	250	\$26,750,760
	2008	228	\$30,748,000

*Includes broad leaved evergreens, coniferous evergreens, deciduous fruit, nut and shade trees, shrubs, kiwi vines, herbaceous perennials, indoor decorative plants, bulbs, rhizomes, bedding plants, specimen trees.

2009 Apiary Products, Production & Value

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>VALUE</u> <u>PER UNIT</u>	<u>TOTAL</u>
Pollination	2009	43,084		Colony	\$ 150.50	\$6,484,142
	2008	43,740		Colony	\$149.00	\$6,517,000
Other Apiary Products*	2009					\$669,800
	2008					\$680,000
TOTAL	2009					\$7,153,942
	2008					\$7,197,000

* Pollination includes all required to pollinate crops grown in Butte County.

**Includes beeswax, honey, beeswax, nuclei, packaged bees and queens.

2009 Livestock & Poultry Production & Value

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>UNIT</u>	<u>VALUE PER UNIT</u>	<u>TOTAL VALUE</u>
		<u>NO. OF HEAD</u>	<u>TOTAL LIVE WT.</u>			
Cattle & Calves	2009	18,000	90,400	Cwt.	\$84.60	\$7,647,840
	2008	16,000	90,400	Cwt.	\$92.90	\$8,398,000
Sheep, All	2009	1,400	1,925	Cwt.	\$60.00	\$115,500
	2008	1,500	2,070	Cwt.	\$65.00	\$135,000
Hogs, All	2009	570	1,494	Cwt.	\$42.30	\$63,192
	2008	600	1,440	Cwt.	\$48.00	\$69,000
Misc.*	2009					\$425,647
	2008					\$1,628,000
TOTAL	2009					\$8,252,179
	2008					\$10,230,000

*Fish, Poultry, Pheasant, Quail, Rabbits, Worms, Organic, etc.

2009 Livestock Products

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>VALUE PER</u>	<u>TOTAL</u>
				<u>UNIT</u>	
Milk, Market*	2009	50,445	Cwt	\$12.09	\$609,880
	2008	51,132	Cwt.	\$18.01	\$921,000
Milk, Manufacturing*	2009	3,579	Cwt	\$11.74	\$42,018
	2008	3,697	Cwt.	\$18.12	\$67,000
TOTAL	2009	54,024	Cwt.		\$651,898
	2008	54,829	Cwt.		\$988,000

*California Agricultural Statistics Service

2009 Harvested Timber Production & Value

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>VALUE</u>
		<u>BOARD FEET*</u>	
Harvested Timber**	2009	70,688,000	\$4,428,550
	2008	92,484,000	\$15,998,000
Other Timber Products	2009		\$5,400
	2008		\$7,000
TOTAL	2009		\$4,433,950
	2008		\$16,005,000

*Board feet is the quantity of timber cut and scaled.

**Timber production and value data provided by State Board of Equalization, Timber Tax Division.

2009 Sustainable Agricultural Report

This report summarizes the varied activities and the methods used to prevent and control the spread of exotic pests in Butte County.

The pest detection, pest exclusion, and pest eradication programs serve to protect the county from infestation of introduced pests. Through monitoring and quick response to small infestations, damaging pest populations can be controlled before they require a large-scale response.

Biological control provides a method of sustainable pest control with a minimum impact to the environment.

Pest Detection

Approximately 782 traps were placed throughout the County to detect the presence of these pests: Mediterranean, Oriental, Melon Fruit Flies; Japanese & Khapra beetles; Light Brown Apple Moth & Glassy Winged Sharpshooter

Fifty-five pest detection sites spread throughout the County were controlled by a combination of

Pest Exclusion

Approximately 9,339 shipments were inspected for live exotic pests including the Glassy Winged Sharpshooter and Sudden Oak Death resulting in 3 Notice of Rejections issued.

Pest Management

Glassy Winged Sharpshooter <u>Homalodisca coagulata</u>	Controlled by chemical method	Eradicated January 17, 2006
PEST MANAGEMENT	BIOLOGICAL CONTROL	
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevils / Gall Fly / Seed Fly <u>Bangasternus/ Chaetoriella/ Eusten- pus / Larinus / Urophora</u>	Generally distributed
Klamath Weed <u>Hypericum perforatum</u>	Klamath Beetle <u>Chrysoline gemellata</u>	Generally distributed
Puncture Vine <u>Tribulus terrestris</u>	Stem & Seed Weevils <u>Microlarinus lypriformis</u>	Generally distributed
Italian Thistle <u>Carduus tenuiflorus/</u> <u>Carduus pycnocephalus</u>	Seedhead Weevils <u>Rhinocyllus conicus</u>	Generally distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic wasp <u>Encarsia partenopea</u>	Generally distributed
Purple loosestrife <u>Lythrum salicaria</u>	Root & seed Weevils/Leaf Beetles <u>Hylobius/Nanophyes/galerucella</u>	Nursery sites
Eucalyptus Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic wasp <u>Psyllaephagus bliteus</u>	Nursery sites