

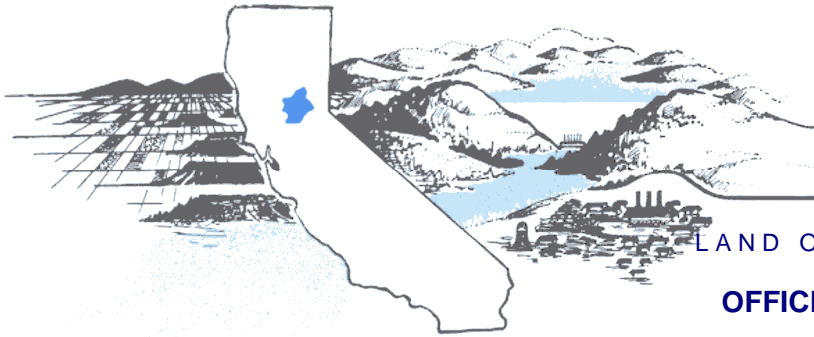
**2008  
BUTTE COUNTY  
AGRICULTURAL CROP REPORT**

The cover picture features a snowy egret standing with the Sierra's as the back drop in a newly flooded field of rice. Rice was the top grossing crop of 2008 produced in Butte County.



Crop Report prepared by Navid A. Khan, Deputy Agricultural Commissioner

Photo by Rob C. Hill Deputy Agricultural Commissioner



# Butte County

LAND OF NATURAL WEALTH AND BEAUTY

## OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

316 NELSON AVENUE OROVILLE, CALIFORNIA 95965-3318  
AGRICULTURAL DEPT OFFICE: (530) 538-7381 FAX: (530) 538-7594

May 18, 2009

**RICHARD B. PRICE**  
Agricultural Commissioner/  
Director of Weights & Measures

**MARY E. DANIELS**  
Assistant Agricultural Commissioner  
/ Weights & Measures

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-sixth annual crop report of agricultural production and agricultural value in Butte County for the 2008 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 2008 totaled **\$579,928,000**. This is a 73 million dollar increase over the 2007 gross value total of \$507,253,000. The total increase in gross value of agriculture during 2008 is 62.0 percent above our county 10-year average of \$356,889,000.

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

**BUTTE COUNTY  
AGRICULTURAL COMMISSIONER'S  
OFFICE PERSONNEL**

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**Richard B. Price**

Agricultural Commissioner/Director of Weights & Measures

Mary E. Daniels	Assistant Agricultural Commissioner/Weights & Measures
Robert C. Hill	Deputy Agricultural Commissioner
Navid A. Khan	Deputy Agricultural Commissioner

**OROVILLE DISTRICT**

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

**CHICO DISTRICT**

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

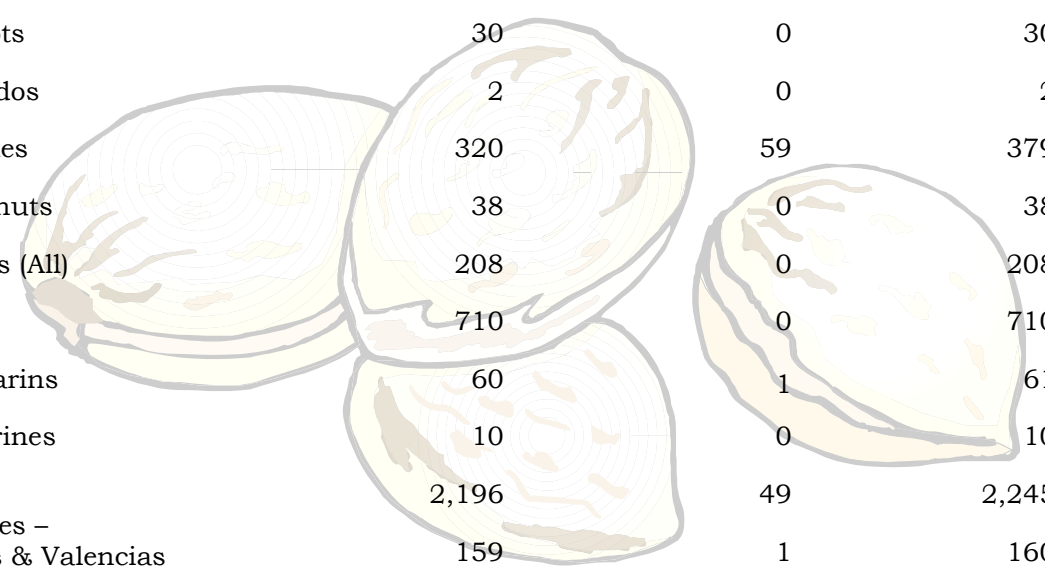
**GRIDLEY DISTRICT**

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, Senior
Dan Shrout	Weights & Measures Inspector III

# 2008 FRUIT & NUT CROPS ACREAGE STATISTICS



<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	37,100	1,835	38,935
Apples	58	0	58
Apricots	30	0	30
Avocados	2	0	2
Cherries	320	59	379
Chestnuts	38	0	38
Grapes (All)	208	0	208
Kiwis	710	0	710
Mandarins	60	1	61
Nectarines	10	0	10
Olives Oranges – Navels & Valencias	2,196 159	49 1	2,245 160
Peaches, Clingstone	2,488	71	2,559
Peaches, Freestone	70	0	70
Pears (All)	15	0	15
Pecans	212	0	212
Persimmons	88	0	88
Pistachios	471	215	686
Plums	156	14	170
Dried Plums	10,227	941	11,168
Walnuts, English	30,055	5,200	35,255
Walnuts, Black	42	0	42
<b>TOTAL</b>	<b>84,715</b>	<b>8,386</b>	<b>93,101</b>

\*Data from California Crop and Livestock Reporting Service and other sources

# 2008 FIELD CROPS

## ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
			<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
<b>Beans,</b> Dry edible	<b>2008</b>	<b>930</b>	<b>1.15</b>	<b>1,070</b>	<b>Ton</b>	<b>\$1,050.00</b>	<b>\$1,123,000</b>
	2007	610	1.30	793	ton	\$820.00	\$650,000
<b>Hay, Alfalfa</b>	<b>2008</b>	<b>1,716</b>	<b>7.20</b>	<b>12,355</b>	<b>Ton</b>	<b>\$175.00</b>	<b>\$2,162,000</b>
	2007	1,602	6.85	10,970	ton	\$138.00	\$1,514,000
<b>Pasture,</b> Irrigated	<b>2008</b>	<b>16,000</b>			<b>Acre</b>	<b>\$160.00</b>	<b>\$2,560,000</b>
	2007	15,500			acre	\$150.00	\$2,325,000
<b>Pasture,</b> Other	<b>2008</b>	<b>240,000</b>			<b>Acre</b>	<b>\$10.00</b>	<b>\$2,400,000</b>
	2007	240,000			acre	\$10.00	\$2,400,000
<b>Rice*</b>	<b>2008</b>	<b>105,301</b>	<b>4.40</b>	<b>463,324</b>	<b>Ton</b>	<b>\$535.00</b>	<b>\$247,878,000</b>
	2007	101,634	4.33	440,075	ton	\$295.00	\$129,822,000
<b>Safflower</b>	<b>2008</b>	<b>222</b>	<b>1.00</b>	<b>222</b>	<b>Ton</b>	<b>\$450.00</b>	<b>\$100,000</b>
	2007	380	1.10	418	ton	\$365.00	\$153,000
<b>Wheat</b>	<b>2008</b>	<b>4,271</b>	<b>2.40</b>	<b>10,250</b>	<b>Ton</b>	<b>\$220.00</b>	<b>\$2,255,000</b>
	2007	3,200	2.60	8,320	ton	\$170.00	\$1,414,000
<b>Misc.**</b>	<b>2008</b>	<b>6,590</b>					<b>\$7,728,000</b>
	2007	5,470					\$6,463,000
<b>Total</b>	<b>2008</b>	<b>375,030</b>					<b>\$266,206,000</b>
	2007	368,396					\$144,741,000

\*Includes government payments.

\*\*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.



# 2008 FRUIT AND NUT ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>				<u>VALUE</u>	
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>YEAR</u>
<b>Almonds</b>	<b>2008</b>	<b>37,100</b>	<b>.89</b>	<b>33,019</b>	<b>Ton</b>	<b>\$2,614.00</b>	<b>\$86,312,000</b>
	2007	39,156	.95	37,198	ton	\$3,580.00	\$133,170,000
<b>Hulls</b>	<b>2008</b>			<b>41,273</b>	<b>Ton</b>	<b>\$90.00</b>	<b>\$3,715,000</b>
	2007			46,487	ton	\$90.00	\$4,184,000
<b>Citrus, All Oranges</b>	<b>2008</b>	<b>159</b>	<b>3.15</b>	<b>500</b>	<b>Ton</b>	<b>\$1,200.00</b>	<b>\$600,000</b>
	2007	162	4.76	771	ton	\$700.00	\$540,000
<b>Kiwis</b>	<b>2008</b>	<b>710</b>	<b>6.00</b>	<b>4,260</b>	<b>Ton</b>	<b>\$1,380.00</b>	<b>\$5,879,000</b>
	2007	724	6.00	4,344	ton	\$1,540.00	\$6,690,000
<b>Olives*</b>	<b>2008</b>	<b>2,196</b>	<b>2.49</b>	<b>5,468</b>	<b>Ton</b>	<b>\$911.00</b>	<b>\$4,981,000</b>
	2007	1,957	2.50	4,893	Ton	\$1,100.00	\$5,382,000
<b>Peaches, Clingstone</b>	<b>2008</b>	<b>2,488</b>	<b>16.0</b>	<b>39,808</b>	<b>Ton</b>	<b>\$305.00</b>	<b>\$12,141,000</b>
	2007	2,487	15.0	37,305	ton	\$288.00	\$10,744,000
<b>Pistachios</b>	<b>2008</b>	<b>471</b>	<b>1.30</b>	<b>612</b>	<b>Ton</b>	<b>\$4,360.00</b>	<b>\$2,668,000</b>
	2007	624	1.50	936	ton	\$3,150.00	\$2,948,000
<b>Plums, Dried</b>	<b>2008</b>	<b>10,227</b>	<b>2.02</b>	<b>20,658</b>	<b>Ton</b>	<b>\$1,507.00</b>	<b>\$31,132,000</b>
	2007	10,590	1.20	12,708	ton	\$1,600.00	\$20,333,000
<b>Walnuts, English</b>	<b>2008</b>	<b>30,055</b>	<b>2.16</b>	<b>64,918</b>	<b>Ton</b>	<b>\$1,165.00</b>	<b>\$75,629,000</b>
	2007	29,420	1.70	50,014	ton	\$2,100.00	\$105,029,000
<b>**Misc.</b>	<b>2008</b>	<b>3,266</b>					<b>\$9,924,000</b>
	2007	3,254					\$9,264,000
<b>TOTAL</b>	<b>2008</b>	<b>86,672</b>					<b>\$232,981,000</b>
	2007	88,374					\$298,284,000

\*Data includes olives grown for canning, specialty products and oil.

\*\*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.

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

# 2008 SEED ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
			<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>YEAR</u>
Rice	2008	4,329	8,500	36,796,500	Lbs.	\$0.33	\$12,143,000
	2007	5,113	8,200	41,926,600	Lbs.	\$0.18	\$7,547,000
Misc.*	2008	1,373					\$2,710,000
	2007	558					\$724,000
Total	2008	5,702					\$14,853,000
	2007	5,671					\$8,271,000

\*Beans (other), cucurbits, melons, pumpkins, safflower, squash, sunflower, watermelon, etc...

## 2008 VEGETABLE VALUE



	<u>YEAR</u>	<u>TOTAL VALUE</u>
Misc.*	2008	\$720,000
	2007	\$588,000

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



## 2008 ORGANIC CROP STATISTICS

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>	<u>TOTAL VALUE</u>
Registered Organic Producers*	78	16,082	\$9,413,000

\*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.

## 2008 NURSERY ACREAGE & VALUE



<u>CROP</u>	<u>YEAR</u>	<u>TOTAL ACREAGE</u>	<u>TOTAL VALUE</u>
Misc.*	2008	228	\$30,748,000
	2007	214	\$18,832,000

\*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.





# 2008 APIARY PRODUCTS PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
<b>Pollination</b>	<b>2008</b>	<b>43,740</b>	<b>Colony</b>	<b>\$149.00</b>	<b>\$6,517,000</b>
	2007	45,232	Colony	\$145.00	\$6,559,000
<b>Other Apiary Products*</b>	<b>2008</b>				<b>\$680,000</b>
	2007				\$741,000
<b>TOTAL</b>	<b>2008</b>				<b>\$7,197,000</b>
	2007				\$7,300,000

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

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



# 2008 HARVESTED TIMBER PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>VALUE</u>
		<u>BOARD FEET*</u>	
<b>Harvested Timber**</b>	<b>2008</b>	<b>92,484,000</b>	<b>\$15,998,000</b>
	2007	65,964,000	\$16,550,000
<b>Other Timber Products</b>	<b>2008</b>		<b>\$7,000</b>
	2007		\$8,000
<b>TOTAL</b>	<b>2008</b>		<b>\$16,005,000</b>
	2007		\$16,558,000

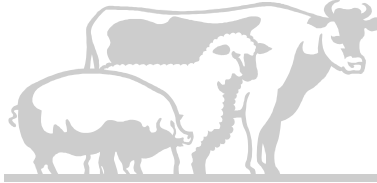
\*Board feet is the quantity of timber cut and scaled.

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



# 2008 LIVESTOCK AND POULTRY PRODUCTION AND VALUE

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
		<u>NO. OF HEAD</u>	<u>TOTAL LIVE WEIGHT</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
<b>Cattle &amp; Calves</b>	<b>2008</b>	<b>16,000</b>	<b>90,400</b>	<b>Cwt.</b>	<b>\$92.90</b>	<b>\$8,398,000</b>
	2007	18,000	107,100	cwt.	\$101.00	\$10,817,000
<b>Sheep, All</b>	<b>2008</b>	<b>1,500</b>	<b>2,070</b>	<b>Cwt.</b>	<b>\$65.00</b>	<b>\$135,000</b>
	2007	1,700	2,346	cwt.	\$71.18	\$167,000
<b>Hogs, All</b>	<b>2008</b>	<b>600</b>	<b>1,440</b>	<b>Cwt.</b>	<b>\$48.00</b>	<b>\$69,000</b>
	2007	700	1680	cwt.	\$48.40	\$81,300
<b>Misc.*</b>	<b>2008</b>					<b>\$1,628,000</b>
	2007					\$985,000
<b>TOTAL</b>	<b>2008</b>					<b>\$10,230,000</b>
	2007					\$12,050,000



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

## 2008 LIVESTOCK PRODUCTS

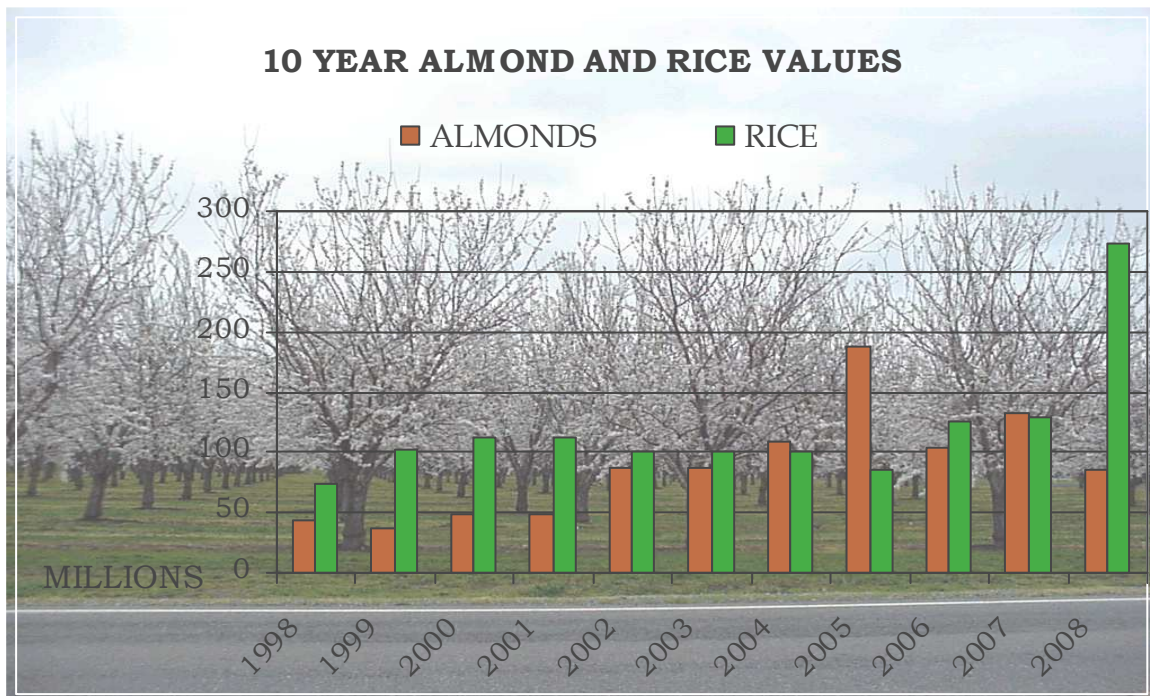
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
<b>Milk, Market*</b>	<b>2008</b>	<b>51,132</b>	<b>Cwt.</b>	<b>\$18.01</b>	<b>\$921,000</b>
	2007	40,683	cwt.	\$14.33	\$583,000
<b>Milk, Manufacturing*</b>	<b>2008</b>	<b>3,697</b>	<b>Cwt.</b>	<b>\$18.12</b>	<b>\$67,000</b>
	2007	3,619	cwt.	\$12.71	\$46,000
<b>TOTAL</b>	<b>2008</b>	<b>54,829</b>	<b>Cwt.</b>		<b>\$988,000</b>
	2007	44,302	cwt.		\$629,000

\*California Agricultural Statistics Service



# 2008 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	RICE	\$247,878,000
2	ALMONDS	\$86,312,000
3	WALNUTS	\$75,629,000
4	DRIED PLUM	\$31,132,000
5	NURSERY STOCK	\$30,748,000
6	TIMBER	\$16,005,000
7	RICE SEED	\$12,143,000
8	PEACHES-CLINGSTONE	\$12,141,000
9	CATTLE/CALVES	\$10,230,000
10	FRUIT & NUT ,Misc.	\$9,924,000
11	FIELD CROPS, Misc.	\$7,728,000
12	APIARY POLLINATION	\$7,197,000
13	KIWIS	\$5,879,000
14	OLIVES, ALL	\$4,981,000
15	ALMOND HULLS	\$3,715,000
16	SEED, MISC.	\$2,710,000
17	PISTACHIOS	\$2,668,000
18	PASTURE, IRRIGATED	\$2,560,000
19	DRYLAND PASTURES & RANGE	\$2,400,000
20	WHEAT	\$2,255,000
21	HAY, ALFALFA	\$2,162,000
22	BEANS	\$1,123,000



# FIVE-YEAR SUMMARY OF CROP VALUES



	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>
Field Crops	\$112,402,000	\$96,874,000	\$136,697,000	\$144,741,000	\$266,206,000
Seed Crops	\$8,080,000	\$7,256,000	\$6,479,000	\$8,271,000	\$14,853,000
Vegetable Crops	\$550,000	\$550,000	\$570,000	\$588,000	\$720,000
Fruit & Nut Crops	\$196,487,000	\$300,111,000	\$252,358,000	\$298,284,000	\$232,981,000
Nursery Stock	\$10,786,000	\$11,099,000	\$19,905,000	\$18,832,000	\$30,748,000
Apiary Products	\$2,578,000	\$4,213,000	\$6,726,000	\$7,300,000	\$7,197,000
Livestock, all	\$12,359,000	\$11,925,000	\$11,815,000	\$12,679,000	\$11,218,000
Subtotal	\$343,242,000	\$432,028,000	\$434,550,000	\$490,695,000	\$563,923,000
Timber, all	\$15,032,000	\$7,662,000	\$19,662,000	\$16,558,000	\$16,005,000
<b>Grand Total</b>	<b>\$358,274,000</b>	<b>\$439,690,000</b>	<b>\$454,212,000</b>	<b>\$507,253,000</b>	<b>\$579,928,000</b>

# 2008 FIVE-YEAR SUMMARY OF PLANT CROP ACRES



	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>
Field Crops	371,000	361,082	371,257	368,396	375,030
Seed Crops	6,050	6,453	5,438	5,671	5,702
Vegetable Crops	685	680	680	685	690
Fruit & Nut Crops	79,700	82,178	86,933	88,373	86,672
<b>Grand Total</b>	<b>457,435</b>	<b>450,393</b>	<b>464,308</b>	<b>463,125</b>	<b>468,094</b>



# **2008 BUTTE COUNTY**

## **International**

## **Trading Partners**

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### **Commodities Exported:**

Almonds	Kiwi	Seeds, other
Almond Shells	Plums, fresh	Sunflower Seeds
Air Plants	Plums, dried	Timber
Figs	Rice, all	Tomatoes, sun dried
		Walnuts

### **Destination Countries:**



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

# 2008 SUSTAINABLE AGRICULTURAL REPORT

This report summarizes the varied activities conducted 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.

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Program</u>
<u>PEST EXCLUSION</u> Exotic Pests	11,982 Shipments inspected for live pests, including Glassy-winged Sharp Shooter and Sudden Oak Death.	3 Notices of rejections issued.
<u>PEST DETECTION</u> Med, Oriental, Melon Flies; Japanese & Khapra beetles; Light Brown Apple Moth & GWSS	782 Traps placed throughout the County to detect the presence of these pests.	
Spotted Knapweed Diffuse Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Skeleton Weed Dyer's Woad	Controlled by a combination of mechanical and chemical methods.	52 Sites spread throughout the county
<u>PEST MANAGEMENT</u> Glassy Winged Sharpshooter <u>Homalodisca coagulata</u>	Controlled by chemical method	Eradicated January 17, 2006
<u>PEST MANAGEMENT</u> & Yellowstar Thistle <u>Centaurea solstitialis</u>	<u>BIOLOGICAL CONTROL</u> Seed Weevils / Gall Fly / Seed Fly <u>Bangasternus</u> / <u>Chaetoriella</u> / <u>Eustenopus</u> / <u>Larinus</u> / <u>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>	Seed head Weevils <u>Rhinocyllus conicus</u>	Generally distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	A parasitic wasp <u>Encarsia partenopea</u>	Generally distributed
Purple loosestrife <u>Lythrum salicaria</u>	Root & seed Weevils / Leaf Beetles <u>Hylobius</u> / <u>Nanophyes</u> / <u>galerucella</u>	Nursery sites
Eucalyptus Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic wasp <u>Psyllaephagus bliteus</u>	Nursery sites

