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2007

AGRICULTURAL CROP REPORT

The cover pictures feature the top three crops of 2007  
produced in Butte County.

Almonds



Rice

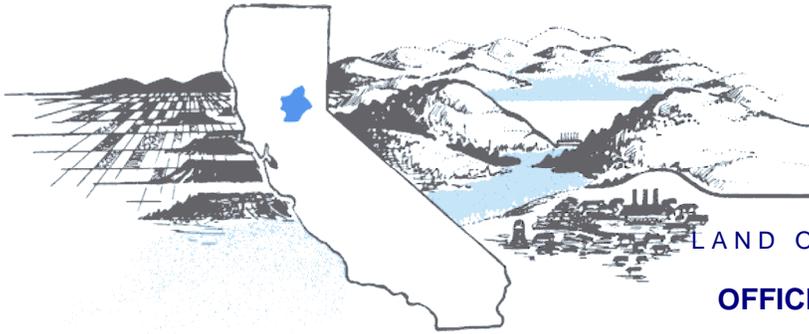


Walnuts



Crop Report prepared by Navid Khan, Deputy Agricultural Commissioner

Photos by Katharine Quist, Agricultural Biologist III



# 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

June 12, 2008

**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

Jane Dolan, Chairperson

Bill Connelly

Curt Josiassen

Maureen Kirk

Kim Yamaguchi

Brian Haddix, 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 2007 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 2007 totaled \$507,253,000. This is a 53 million dollar increase over the 2006 gross value total of \$454,212,000. The total increase in gross value of agriculture during 2007 is 30.0 percent above our county 10-year average of \$356,103,000.

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**



## **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**

Katharine Quist	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
Randy Hartman	Agricultural Biologist III
Paul Weliver	Agricultural Biologist I

## **GRIDLEY DISTRICT**

Mike Stewart	Agricultural Biologist, Supervisor
Ramon Jauregui	Agricultural Biologist III

## **WEIGHTS & MEASURES**

Tom Pisani	Deputy Director of Weights & Measures
Ron Hunt	Weights & Measures, Senior
Dan Shrout	Weights & Measures Inspector III
Joe Salopek	Agricultural /W&M Inspector

# 2007 FRUIT & NUT CROPS ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	39,156	2,264	41,420
Apples	62	0	62
Apricots	41	0	41
Avocados	2	0	2
Cherries	254	125	379
Chestnuts	38	0	38
Grapes (All)	185	0	185
Kiwis	724	0	724
Mandarins	60	0	60
Nectarines	10	0	10
Olives	2,424	506	2,930
Oranges – Navels & Valencias	162	0	162
Peaches, Clingstone	2,487	71	258
Peaches, Freestone	70	0	70
Pears (All)	16	0	16
Pecans	212	123	335
Persimmons	88	0	88
Pistachios	624	61	685
Plums	156	14	170
Dried Plums	10,890	1,414	12,304
Walnuts, English	29,420	5,804	35,224
Walnuts, Black	42	0	42
<b>TOTAL</b>	<b>86,909</b>	<b>10,596</b>	<b>97,505</b>

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

# 2007 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>2007</b>	<b>610</b>	<b>1.30</b>	<b>793</b>	<b>ton</b>	<b>\$820.00</b>	<b>\$650,000</b>
	2006	600	1.19	714	ton	\$761.00	\$543,000
<b>Hay, alfalfa</b>	<b>2007</b>	<b>1,602</b>	<b>6.85</b>	<b>10,970</b>	<b>ton</b>	<b>\$138.00</b>	<b>\$1,514,000</b>
	2006	1,944	5.30	10,303	ton	\$123.00	\$1,267,000
<b>Pasture,</b> Irrigated	<b>2007</b>	<b>15,500</b>			<b>acre</b>	<b>\$150.00</b>	<b>\$2,325,000</b>
	2006	15,500			acre	\$127.00	\$1,968,500
<b>Pasture,</b> Other	<b>2007</b>	<b>240,000</b>			<b>acre</b>	<b>\$10.00</b>	<b>\$2,400,000</b>
	2006	240,000			acre	\$10.00	\$2,400,000
<b>Rice*</b>	<b>2007</b>	<b>101,634</b>	<b>4.33</b>	<b>440,075</b>	<b>ton</b>	<b>\$295.00</b>	<b>\$129,822,000</b>
	2006	105,673	4.12	435,373	ton	\$288.00	\$125,387,000
<b>Safflower</b>	<b>2007</b>	<b>380</b>	<b>1.10</b>	<b>418</b>	<b>ton</b>	<b>\$365.00</b>	<b>\$153,000</b>
	2006	150	.94	141	ton	\$267.00	\$37,600
<b>Wheat</b>	<b>2007</b>	<b>3,200</b>	<b>2.60</b>	<b>8,320</b>	<b>ton</b>	<b>\$170.00</b>	<b>\$1,414,000</b>
	2006	2,700	2.20	5,940	ton	\$110.00	\$653,000
<b>Misc.**</b>	<b>2007</b>	<b>5,470</b>					<b>\$6,463,000</b>
	2006	4,690					\$4,441,000
<b>Total</b>	<b>2007</b>	<b>368,396</b>					<b>\$144,741,000</b>
	2006	371,257					\$136,697,000

\*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.

# 2007 FRUIT AND NUT 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>
<b>Almonds</b>	<b>2007</b>	<b>39,156</b>	<b>.95</b>	<b>37,198</b>	<b>ton</b>	<b>\$3,580.00</b>	<b>\$133,170,000</b>
	2006	38,137	.66	25,170	ton	\$4,150.00	\$104,456,000
<b>Hulls</b>	<b>2007</b>			<b>46,487</b>	<b>ton</b>	<b>\$90.00</b>	<b>\$4,184,000</b>
	2006			31,463	ton	\$80.00	\$2,517,000
<b>Citrus, all oranges</b>	<b>2007</b>	<b>162</b>	<b>4.76</b>	<b>771</b>	<b>ton</b>	<b>\$700.00</b>	<b>\$540,000</b>
	2006	162	5.29	857	ton	\$750.00	\$643,000
<b>Kiwis</b>	<b>2007</b>	<b>724</b>	<b>6.00</b>	<b>4,344</b>	<b>ton</b>	<b>\$1,540.00</b>	<b>\$6,690,000</b>
	2006	860	5.41	4,653	Ton	\$797.00	\$3,708,000
<b>Olives*</b>	<b>2007</b>	<b>1,957</b>	<b>2.50</b>	<b>4,893</b>	<b>Ton</b>	<b>\$1,100.00</b>	<b>\$5,382,000</b>
	2006	1,907	.75	1,430	ton	\$1,000.00	\$1,430,000
<b>Peaches, Clingstone</b>	<b>2007</b>	<b>2,487</b>	<b>15.0</b>	<b>37,305</b>	<b>ton</b>	<b>\$288.00</b>	<b>\$10,744,000</b>
	2006	2,388	9.0	21,492	ton	\$276.00	\$5,932,000
<b>Pistachios</b>	<b>2007</b>	<b>624</b>	<b>1.50</b>	<b>936</b>	<b>ton</b>	<b>\$3,150.00</b>	<b>\$2,948,000</b>
	2006	624	1.26	786	ton	\$3,840.00	\$3,018,000
<b>Plums, Dried</b>	<b>2007</b>	<b>10,590</b>	<b>1.20</b>	<b>12,708</b>	<b>ton</b>	<b>\$1,600.00</b>	<b>\$20,333,000</b>
	2006	10,230	3.19	32,634	ton	\$1,350.00	\$44,056,000
<b>Walnuts, English</b>	<b>2007</b>	<b>29,420</b>	<b>1.70</b>	<b>50,014</b>	<b>ton</b>	<b>\$2,100.00</b>	<b>\$105,029,000</b>
	2006	29,400	1.74	51,156	ton	\$1,560.00	\$79,803,000
<b>**Misc.</b>	<b>2007</b>	<b>3,254</b>					<b>\$9,264,000</b>
	2006	3,225					\$6,795,000
<b>TOTAL</b>	<b>2007</b>	<b>88,374</b>					<b>298,284,000</b>
	2006	86,933					\$252,358,000

\*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.

# 2007 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	2007	5,113	8,200	41,926,600	Lbs.	\$0.18	\$7,547,000
	2006	4,500	7,656	34,452,000	Lbs.	\$0.16	\$5,512,000
Misc.*	2007	558					\$724,000
	2006	567					\$643,000
Total	2007	5,671					\$8,271,000
	2006	5,438					\$6,479,000

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

## 2007 VEGETABLE VALUE



	<u>YEAR</u>	<u>TOTAL VALUE</u>
Misc.*	2007	\$588,000
	2006	\$570,000

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



## 2007 ORGANIC CROP STATISTICS

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>	<u>TOTAL VALUE</u>
Registered Organic Producers*	81	18,082	\$10,365,000

\*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.

## 2007 NURSERY ACREAGE & VALUE

<u>CROP</u>	<u>YEAR</u>	<u>TOTAL ACREAGE</u>	<u>TOTAL VALUE</u>
Misc.*	2007	214	\$18,832,000
	2006	198	\$19,905,000

\*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.



# 2007 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>2007</b>	<b>45,232</b>	<b>Colony</b>	<b>\$145.00</b>	<b>\$6,559,000</b>
	2006	40,029	Colony	\$145.00	\$5,804,000
<b>Other Apiary Products*</b>	<b>2007</b>				<b>\$741,000</b>
	2006				\$922,000
<b>TOTAL</b>	<b>2007</b>				<b>\$7,300,000</b>
	2006				\$6,726,000

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



# 2007 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>2007</b>	<b>65,964,000</b>	<b>\$16,550,000</b>
	2006	62,797,000	\$19,653,000
<b>Other Timber Products</b>	<b>2007</b>		<b>\$8,000</b>
	Other Timber Products	2006	\$9,000
<b>TOTAL</b>	<b>2007</b>		<b>\$16,558,000</b>
	2006		\$19,662,000

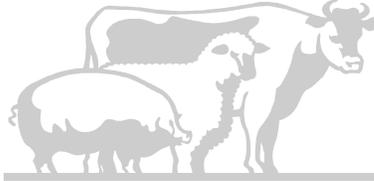
\*Board feet is the quantity of timber cut and scaled.

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



# 2007 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>2007</b>	<b>18,000</b>	<b>107,100</b>	<b>cwt.</b>	<b>\$101.00</b>	<b>\$10,817,000</b>
	2006	14,500	86,275	cwt.	\$110.00	\$9,490,000
<b>Sheep, all</b>	<b>2007</b>	<b>1,700</b>	<b>2,346</b>	<b>cwt.</b>	<b>\$71.18</b>	<b>\$167,000</b>
	2006	1,700	1,850	cwt.	\$84.00	\$155,000
<b>Hogs, all</b>	<b>2007</b>	<b>700</b>	<b>1680</b>	<b>cwt.</b>	<b>\$48.40</b>	<b>\$81,300</b>
	2006	690	1,380	cwt.	\$47.90	\$66,100
<b>Misc.*</b>	<b>2007</b>					<b>\$985,000</b>
	2006					\$950,000
<b>TOTAL</b>	<b>2007</b>					<b>\$12,050,000</b>
	2006					\$10,661,000



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

## 2007 LIVESTOCK PRODUCTS

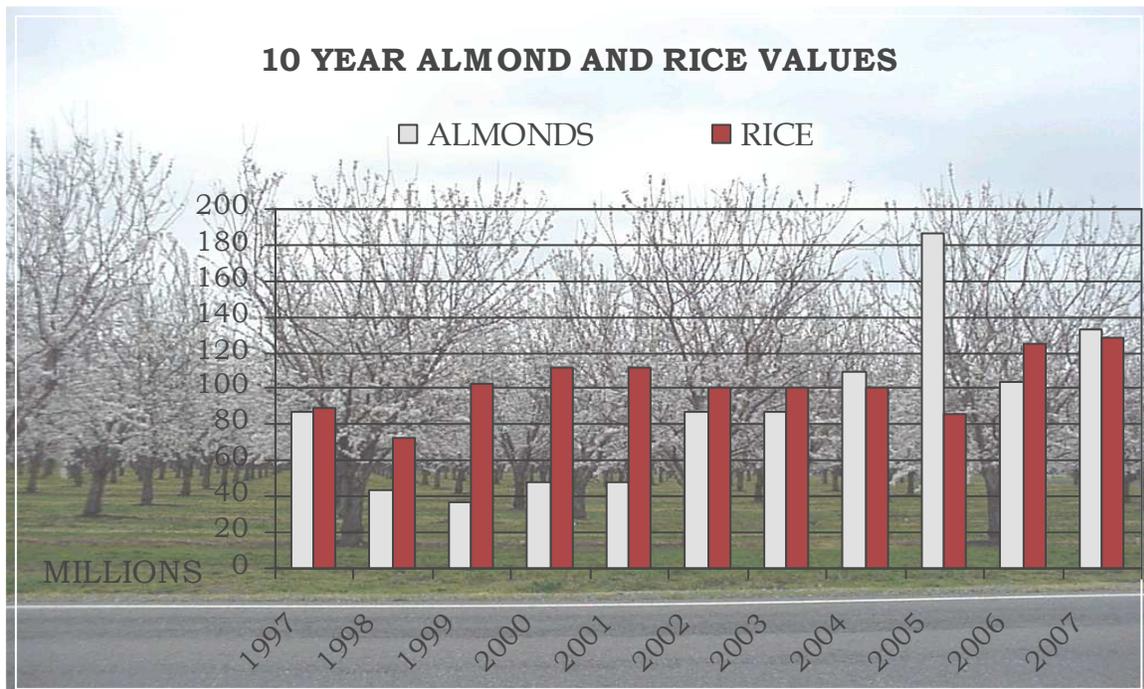
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
<b>Milk, Market*</b>	<b>2007</b>	<b>40,683</b>	<b>cwt.</b>	<b>\$14.33</b>	<b>\$583,000</b>
	2006	86,477	cwt.	\$12.81	\$1,108,000
<b>Milk, Manufacturing*</b>	<b>2007</b>	<b>3,619</b>	<b>cwt.</b>	<b>\$12.71</b>	<b>\$46,000</b>
	2006	3,619	cwt.	\$12.71	\$46,000
<b>TOTAL</b>	<b>2007</b>	<b>44,302</b>			<b>\$629,000</b>
	2006	90,096			\$1,154,000

\*California Agricultural Statistics Service



# 2007 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	ALMONDS	\$133,170,000
2	RICE	\$129,822,000
3	WALNUTS	\$105,029,000
4	DRIED PLUMS	\$20,330,000
5	NURSERY STOCK	\$18,832,000
6	TIMBER	\$16,550,000
7	CATTLE/CALVES	\$10,817,000
8	PEACHES -CLINGSTONE	\$10,744,000
9	FRUIT&NUT CROPS, misc.	\$9,264,000
10	RICE SEED	\$7,547,000
11	APIARY POLLINATION	\$6,559,000
12	KIWIS	\$6,690,000
13	FIELD CROPS, misc	\$6,463,000
14	OLIVES, All	\$5,382,000
15	AMONDS HULLS	\$4,184,000
16	PISTACHIOS	\$2,948,000
17	DRYLAND PASTURE & RANGE	\$2,400,000
18	PASTURE, Irrigated	\$2,325,000
19	HAY, Alfalfa	\$1,514,000
20	WHEAT	\$1,414,000



# FIVE-YEAR SUMMARY OF CROP VALUES



	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>
Field Crops	\$124,279,000	\$112,402,000	\$96,874,000	\$136,697,000	\$144,741,000
Seed Crops	\$7,459,000	\$8,080,000	\$7,256,000	\$6,479,000	\$8,271,000
Vegetable Crops	\$510,000	\$550,000	\$550,000	\$570,000	\$588,000
Fruit & Nut Crops	\$175,611,000	\$196,487,000	\$300,111,000	\$252,358,000	\$298,284,000
Nursery Stock	\$11,985,000	\$10,786,000	\$11,099,000	\$19,905,000	\$18,832,000
Apiary Products	\$2,624,000	\$2,578,000	\$4,213,000	\$6,726,000	\$7,300,000
Livestock, all	\$9,678,000	\$12,359,000	\$11,925,000	\$11,815,000	\$12,679,000
Subtotal	\$332,146,000	\$343,242,000	\$432,028,000	\$434,550,000	\$490,695,000
Timber, all	\$13,264,000	\$15,032,000	\$7,662,000	\$19,662,000	\$16,558,000
<b>Grand Total</b>	<b>\$345,410,000</b>	<b>\$358,274,000</b>	<b>\$439,690,000</b>	<b>\$454,212,000</b>	<b>\$507,253,000</b>

# 2007 FIVE-YEAR SUMMARY OF PLANT CROP ACRES



	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>
Field Crops	361,982	371,000	361,082	371,257	368,396
Seed Crops	5,978	6,050	6,453	5,438	5,671
Vegetable Crops	685	685	680	680	685
Fruit & Nut Crops	77,764	79,700	82,178	86,933	88,373
<b>Grand Total</b>	<b>446,409</b>	<b>457,435</b>	<b>450,393</b>	<b>464,308</b>	<b>463,125</b>



# **2007 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	Tomatoes, sun dried
Figs	Rice, all	Walnuts

## **Destination Countries:**



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

# 2007 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.	
<u>PEST DETECTION</u> Gypsy Moth, Med. Fly, Japanese & Khapra Beetle, Oriental, Melon & Glassy-winged sharpshooter.	993 Traps placed throughout the County to detect the presence of these pests.	
<u>PEST ERADICATION</u> 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/ Chaetoriella/ Eustenpus/ 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/ 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/Nanophyes/galerucella</u>	Nursery sites
Eucalyptus Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic wasp <u>Psyllaephagus bliteus</u>	Nursery sites

