

**2005
BUTTE COUNTY
AGRICULTURAL CROP REPORT**

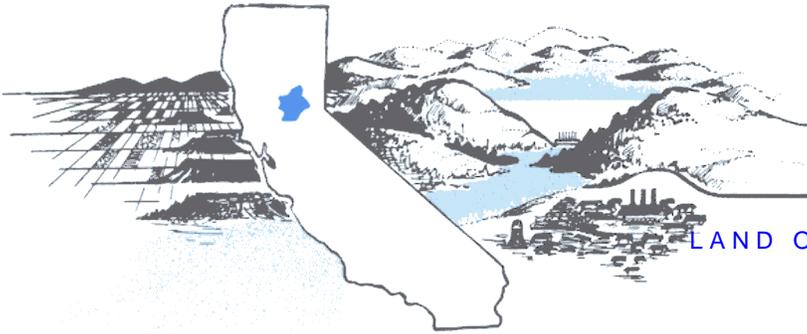
FARM CITY CELEBRATION

The Farm City Celebration is a collaborative effort of the Chico Chamber, California Women for Agriculture, Butte County Cattlemen, Butte County Cattlewomen, Butte County Ag Commissioner's Office, Butte County Farm Bureau, UC Cooperative Extension and the CSU, Chico, College of Agriculture, Farm Staff and CSU, Chico and Butte Community College agricultural student organizations. In recent years the calendar of events included the Farmers' Fair at the Chico Mall, the bus tour, Dog Days of Fall - dog walk at the CSUC Farm, the Progressive Farmer Farm Safety Day Camp & Kids Day at the Farm, the Harvest Dinner Dance, and local restaurants featuring local products.

Over the past 25 years Farm City has grown and events have been added and changed. One of Farm City's first events was free samples of local commodities given out at banks by California Women for Agriculture members. The bus tour has been a long standing and very popular Farm City event for many years. Each year the bus tour focuses on a different geographic section of the north state and visits 4 to 6 farms or agricultural businesses in that area. The Children's Farm Fair at the CSU, Chico College of Agriculture Farm is attended by 500 to 600 local 3rd graders. The students visit eight to ten stations where they learn where their food comes from, what it takes to make the variety of food and fiber that we enjoy. Additionally, for the past couple of years the kids have learned food safety, ATV safety, and animal safety. The Dog Days of Fall event which allows participants to see the different areas and learn about Farm while walking with their best friend. The Harvest Dinner Dance is always a fun way to raise the money needed to fund other worth learning projects of the Farm City Celebration year. The Harvest Dinner Dance is held at the Silver Grounds and is a celebrate the close Celebration year. The Harvest Dinner Dance is always a fun way to raise the money needed to fund other worth learning projects while agricultural and events.



Farm City usually gives out three awards per year; they include Agriculturalist of the Year, Agri-Business of the Year and Agricultural Service of the Year.



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

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AGRICULTURAL DEPT.: OFFICE: (530) 538-7381 FAX: (530) 538-7594

June 1, 2006

RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures
Measures

LOUIE B. MENDOZA, JR.
Assistant Agricultural Commissioner/
Weights and Measures

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

The Honorable Butte County Board of Supervisors

Curt Josiassen, Chairperson
Bill Connelly Jane Dolan
Mary Anne Houx Kim Yamaguchi

Paul McIntosh, Chief Administrative Officer,

In accordance with provisions of section 2279 of the California Food and Agriculture Code, I am submitting the sixty-fourth annual crop report of agricultural production and agricultural value in Butte County for the 2005 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 2005 totaled \$439,690,000. This is an 81.4 million dollar increase over the 2004 gross value total of \$358,274,000. The total increase in gross value of agriculture during 2005 is 35 percent above our county 10-year average of \$326,097,000.

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**

Louie B. Mendoza Jr.	Assistant Agricultural Commissioner/Weights & Measures
Robert C. Hill	Deputy Agricultural Commissioner
Mary E. Daniels	Deputy Agricultural Commissioner

OROVILLE DISTRICT

Dave Sanford	Agricultural Biologist I
Charmaigne Damron	Administrative Assistant, Senior
Friede Violante	Office Specialist, Senior
Janice Wallick	Office Specialist
Matt Albertsen	Wildlife Specialist
Marie Heinemeyer	Agricultural /W&M Inspector
Michael Brown	Agricultural /W&M Inspector
Margarito Santos	Agricultural /W&M Inspector
Jeremy Kenkel	Agricultural /W&M Inspector
Gary Imhoff	Agricultural /W&M Inspector
Kevin Hermansen	Agricultural /W&M Inspector

CHICO DISTRICT

Helmut Bloo	Agricultural Biologist, Supervisor
Navid Khan	Agricultural Biologist, Senior
Eric Pittman	Agricultural Biologist, Senior
Katharine Padgett	Agricultural Biologist I
Randy Hartman	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 Inspector III
Dan Shrout	Weights & Measures Inspector III

2005 FRUIT & NUT CROPS ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	40,084	1,394	41,478
Apples	198	0	198
Apricots	40	0	40
Avocados	3	0	3
Cherries	254	0	254
Chestnuts	35	0	35
Grapes (All)	223	0	223
Kiwis	1014	0	1014
Mandarins	60	0	60
Nectarines	7	0	7
Olives	2,424	0	2,424
Oranges – Navels & Valencias	162	0	162
Peaches, Clingstone	2,855	48	2,903
Peaches, Freestone	70	14	84
Pears (All)	16	0	16
Pecans	200	113	313
Persimmons	65	10	75
Pistachios	581	37	618
Plums	140	58	198
Dried Plums	11,179	1,118	12,297
Walnuts, English	27,080	5,000	32,080
Walnuts, Black	28	14	42
TOTAL	80,551	7,806	94,524

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

2005 FIELD CROPS 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>PER UNIT</u>	<u>TOTAL</u>
Beans, Dry edible	2005	756	.86	650	ton	\$705.00	\$458,000
	2004	600	1.10	660	ton	\$660.00	\$436,000
Hay, alfalfa	2005	1,885	6.10	11,500	ton	\$109.00	\$1,254,000
	2004	2,400	6.00	14,400	ton	\$104.00	\$1,498,000
Pasture, Irrigated	2005	15,500			acre	\$115.00	\$1,783,000
	2004	15,500			acre	\$115.00	\$1,783,000
Pasture, Other	2005	240,000			acre	\$9.00	\$2,160,000
	2004	240,000			acre	\$9.00	\$2,160,000
Rice	2005	96,400	3.80	366,320	ton	\$235.00	86,085,000
	2004	105,000	4.57	479,850	ton	\$210.00	\$100,769,000
Safflower	2005	210	1.3	273	ton	\$240.00	\$66,000
	2004	267	0.90	240	ton	\$220.00	\$53,000
Wheat	2005	1,600	2.74	4,384	ton	\$92.00	\$403,000
	2004	2,147	2.50	5,368	ton	\$90.00	\$483,000
Misc.**	2005	4,731					\$4,665,000
	2004	5,071					\$5,220,000
Total	2005	361,082					\$96,874,000
	2004	370,985					\$112,402,000

*Includes government payments.

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

2005 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>PER UNIT</u>	<u>TOTAL</u>
Almonds	2005	40,084	.85	34,071	ton	\$5,500.00	\$187,391,000
	2004	40,129	.67	26,886	ton	\$4,045.00	\$108,754,000
Hulls	2005			42,589	ton	\$84.00	\$3,577,000
	2004			33,608	ton	\$78.00	\$2,621,000
Citrus, all oranges	2005	162	7.06	1,144	ton	\$540.00	\$618,000
	2004	162	9.71	1,573	ton	\$632.00	\$994,000
Kiwis	2005	860	9.02	7,757	ton	\$869.00	\$6,741,000
	2004	886	4.40	3,810	ton	\$833.00	\$3,174,000
*Olives	2005	1,882	2.44	4,592	ton	\$364.00	\$1,671,000
	2004	1,686	3.19	5,378	ton	\$460.00	\$2,474,000
Peaches, Clingstone	2005	2,855	15.0	42,825	ton	\$236.00	\$10,107,000
	2004	2,425	14.9	36,133	ton	\$237.00	\$8,564,000
Pistachios	2005	581	.55	320	ton	\$4,060.00	\$1,297,000
	2004	500	1.11	555	ton	\$2,535.00	\$1,407,000
Plums, Dried	2005	7,310	1.0	7,310	ton	\$1,000.00	\$7,310,000
	2004	9,547	.89	8,497	ton	\$1,154.00	\$9,805,000
Walnuts, English	2005	27,080	2.0	54,160	ton	\$1,416.00	\$76,691,000
	2004	22,972	1.72	39,512	ton	\$1,361.00	\$53,776,000
**Misc.	2005	1,364					\$4,708,000
	2004	1,392					\$4,918,000
TOTAL	2005	82,178					\$300,111,000
	2004	79,699					\$196,487,000

*2004/2005 Data includes olives grown for canning, specialty products and oil.

**Apricots, avocados, black walnuts, cherries, chestnuts, grapes, mandarins, peaches (Freestone), crop by-products, pears, pecans, persimmons, plums, fresh prunes, etc.

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

2005 SEED ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
				<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Beans,	2005	1,413	2,414	3,411,000	lbs.	\$0.40	\$1,364,000
Dry Kidney	2004	800	2,198	1,758,400	lbs	\$0.39	\$686,000
Rice	2005	3,443	7,831	26,962,000	lbs.	\$0.16	\$4,314,000
	2004	4,050	8,400	34,020,000	lbs	\$0.17	\$5,783,000
*Misc.	2005	1,597					\$1,578,000
	2004	1,202					\$1,611,000
Total	2005	6,453					\$7,256,000
	2004	6,052					\$8,080,000

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

2005 VEGETABLE VALUE



	<u>YEAR</u>	<u>TOTAL VALUE</u>
*Misc.	2005	\$550,000
	2004	\$550,000

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



2005 ORGANIC CROP STATISTICS

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>	<u>TOTAL VALUE</u>
Registered Organic Producers*	69	15,426	\$6,541,000

*Includes 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.

2005 NURSERY ACREAGE & VALUE

<u>CROP</u>	<u>YEAR</u>	<u>TOTAL ACREAGE</u>	<u>TOTAL VALUE</u>
*Misc.	2005	183	\$11,099,000
	2004	151	\$10,786,000

*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.



2005 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>
Pollination	2005	42,136	Colony	\$80.00	\$3,371,000
	2004	39,000	Colony	\$52.00	\$2,028,000
*Other Apiary Products	2005				\$842,000
	2004				\$550,000
TOTAL	2005				\$4,213,000
	2004				\$2,578,000

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



2005 HARVESTED TIMBER PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
Harvested Timber	**2005	29,936,000	\$7,662,000
	**2004	52,479,000	\$15,032,000

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

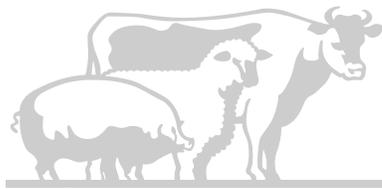
**Timber production and value data provided by State Board of Equalization, Timber Tax Division.



2005 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>
Cattle and Calves	2005	12,500	74,375	cwt.	\$121.00	\$8,999,000
	2004	13,500	80,325	cwt.	\$111.00	\$8,916,000
Sheep, all	2005	1,700	1,860	cwt.	\$98.90	\$184,000
	2004	1,700	1,860	cwt.	\$90.40	\$168,000
Hogs, all	2005	700	1,553	cwt.	\$50.70	\$79,000
	2004	700	1,553	cwt.	\$49.50	\$77,000
*Misc.	2005					\$950,000
	2004					\$950,000
TOTAL	2005					\$10,212,000
	2004					\$10,111,000



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

2005 LIVESTOCK PRODUCTS

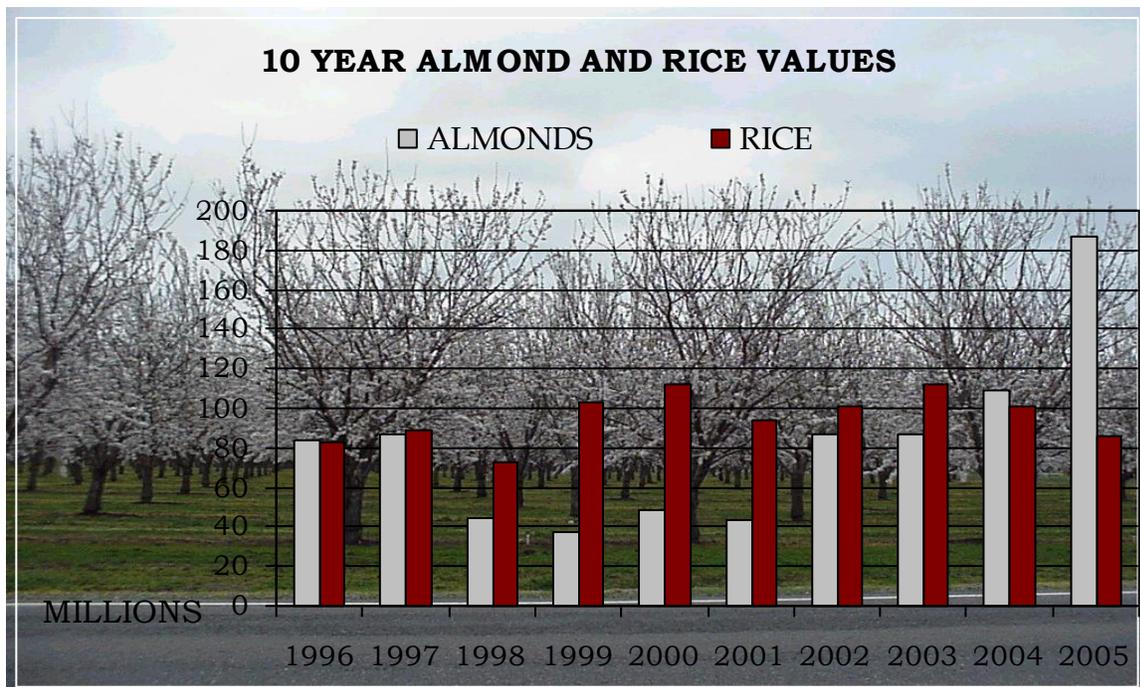
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Milk, Market*	2005	107,354	cwt.	\$15.42	\$1,655,000
	2004	134,258	cwt.	\$16.17	\$2,171,000
Milk, Manufacturing*	2005	4,828	cwt.	\$12.01	\$58,000
	2004	5,057	cwt.	\$15.20	\$77,000
TOTAL	2005	112,182			\$1,713,000
	2004	139,315			\$2,248,000

*California Agricultural Statistics Service



2005 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	ALMONDS	\$187,391,000
2	RICE	\$86,085,000
3	WALNUTS	\$76,691,000
4	NURSERY STOCK	\$11,099,000
5	PEACHES, Clingstone	\$10,107,000
6	CATTLE/CALVES	\$8,999,000
7	TIMBER	\$7,662,000
8	DRIED PLUMS	\$7,310,000
9	KIWIS	\$6,741,000
10	FRUIT & NUT CROPS, misc.	\$4,708,000
11	FIELD CROPS, misc.	\$4,665,000
12	RICE SEED	\$4,314,000
13	ALMOND HULLS	\$3,577,000
14	APIARY POLLINATION	\$3,371,000
15	DRYLAND PASTURE & RANGE	\$2,160,000
16	PASTURE, Irrigated	\$1,783,000
17	OLIVES, All	\$1,671,000
18	MILK, Market	\$1,655,000
19	HAY, Alfalfa	\$1,498,000
20	BEANS, (seed) Dry kidney	\$1,364,000
21	PISTACHIOS	\$1,297,000
22	SEED CROPS, misc.	\$1,254,000



FIVE-YEAR SUMMARY OF CROP VALUES

	2001	2002	2003	2004	2005
Field Crops	\$106,642,000	\$112,987,000	\$124,279,000	\$112,402,000	\$96,874,000
Seed Crops	5,755,000	\$6,877,000	\$7,459,000	\$8,080,000	\$7,256,000
Vegetable Crops	505,000	\$490,000	\$510,000	\$550,000	\$550,000
Fruit & Nut Crops	121,991,000	\$149,687,000	\$175,611,000	\$196,487,000	\$300,111,000
Nursery Stock	8,555,000	\$7,178,000	\$11,985,000	\$10,786,000	\$11,099,000
Apiary Products	2,377,000	\$2,260,000	\$2,624,000	\$2,578,000	\$4,213,000
Livestock, all	8,800,000	\$8,018,000	\$9,678,000	\$12,359,000	\$11,925,000
Subtotal	\$254,625,000	\$287,497,000	\$332,146,000	\$343,242,000	\$432,028,000
Timber	32,878,000	\$18,056,000	\$13,264,000	\$15,032,000	\$7,662,000
Grand Total	\$287,503,000	\$305,553,000	\$345,410,000	\$358,274,000	\$439,690,000

2005 FIVE-YEAR SUMMARY OF PLANT CROP ACRES

	2001	2002	2003	2004	2005
Field Crops	391,368	398,599	361,982	371,000	361,082
Seed Crops	5,699	6,020	5,978	6,050	6,453
Vegetable Crops	700	675	685	685	680
Fruit & Nut Crops	75,835	75,222	77,764	79,700	82,178
Grand Total	473,602	480,516	446,409	457,435	450,393



2005 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> Klamath Weed <u>Hypericum perforatum</u> Puncture Vine <u>Tribulus terrestris</u> Italian Thistle <u>Carduus tenuiflorus/</u> <u>Carduus pycnocephalus</u> Ash Whitefly <u>Siphoninus phillyreae</u> Purple loosestrife <u>Lythrum salicaria</u> Eucalyptus Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	<u>BIOLOGICAL CONTROL</u> Seed Weevils / Gall Fly / Seed Fly <u>Bangasternus/ Chaetoriella/ Eustenpus/ Larinus/ Urophora</u> Klamath Beetle <u>Chrysoline gemellata</u> Stem & Seed Weevils <u>Microlarinus lypriformis</u> Seed head Weevils <u>Rhinocyllus conicus</u> A parasitic wasp <u>Encarsia partenopea</u> Root & seed Weevils/Leaf Beetles <u>Hylobius/Nanophyes/galerucella</u> Parasitic wasp <u>Psyllaephagus bliteus</u>	Generally distributed Generally distributed Generally distributed Generally distributed Generally distributed Nursery sites Nursery sites

