

**BUTTE COUNTY
AGRICULTURAL
COMMISSIONER'S
OFFICE**



**2003
AGRICULTURAL
CROP REPORT**

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

Steven Scheer	Agricultural Biologist III
Charmagne Damron	Administrative Services Assistant
Friede Violante	Office Assistant III
Janice Wallick	Office Assistant II
Jim Coleman	Wildlife Specialist
Marie Heinemeyer	Agricultural /W&M Inspector
Michael Brown	Agricultural /W&M Inspector
Stan Everett	Agricultural /W&M Inspector
Margarito Santos	Agricultural /W&M Inspector
Bill Kienzle	Engineering Aide

CHICO DISTRICT

Robert Voorhees	Supervisor-Agricultural Biologist
Helmut Bloo	Agricultural Biologist III
Navid Khan	Agricultural Biologist III
Matt Bozzo	Agricultural Biologist III
Eric Pittman	Agricultural Biologist III

GRIDLEY DISTRICT

Mike Stewart	Supervisor-Agricultural Biologist
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

2003 FRUIT & NUT CROPS ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	39,168	967	40,135
Apples	209	0	209
Apricots	41	0	41
Avocados	3	0	3
Cherries	250	0	250
Chestnuts	29	0	29
Grapes (All)	223	0	223
Kiwis	1,078	0	1,078
Mandarins	60	0	60
Nectarines	7	0	7
Olives	2,855	0	2,855
Oranges – Navels & Valencias	162	0	162
Peaches, Clingstone	2,425	228	2,653
Peaches, Freestone	70	14	84
Pears (All)	14	0	14
Pecans	210	22	232
Persimmons	53	17	70
Pistachios	500	0	500
Plums	140	58	198
Dried Plums	9,873	916	10,789
Walnuts, English	21,670	1,724	23,394
Walnuts, Black	<u>20</u>	<u>22</u>	<u>44</u>
TOTAL	79,060	3,968	83,028

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

2003 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	2003	500	1.19	595	ton	\$660.00	\$393,000
	2002	500	1.10	550	ton	\$663.00	\$365,000
Hay, alfalfa	2003	2,900	5.61	16,269	ton	\$94.00	\$1,529,000
	2002	3,171	5.18	16,426	ton	\$104.00	\$1,708,000
Pasture, Irrigated	2003	16,000			acre	\$115.00	\$1,840,000
	2002	18,400			acre	\$115.00	\$2,116,000
Pasture, Other	2003	240,000			acre	\$9.00	\$2,160,000
	2002	268,000			acre	\$7.20	\$1,930,000
Rice	2003	92,500	4.05	374,625	ton	*\$300.00	\$112,388,000
	2002	94,700	4.30	427,210	ton	*\$248.50	\$101,192,000
Safflower	2003	700	0.80	560	ton	\$270.00	\$151,000
	2002	891	0.79	704	ton	\$240.00	\$169,000
Wheat	2003	4440	2.11	9,368	ton	\$95.00	\$890,000
	2002	4000	1.96	7,840	ton	\$90.00	\$706,000
Misc.**	2003	4,942					\$4,928,000
	2002	8,937					\$4,801,000
Total	2003	361,982					\$124,279,000
	2002	398,599					\$112,987,000

*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.

2003 FRUIT AND NUT 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>
Almonds	2003	39,168	.80	31,334	ton	\$2,778.00	\$87,046,000
	2002	36,605	.86	31,480	ton	\$2,089.00	\$65,762,000
Hulls	2003			39,167	ton	\$70.00	\$2,742,000
	2002			39,350	ton	\$70.00	\$2,755,000
Kiwis	2003	1,078	6.54	7,050	ton	\$647.00	\$4,561,000
	2002	1,164	4.40	5,122	ton	\$626.00	\$3,206,000
*Olives	2003	1,550	2.24	3,472	ton	\$450.00	\$1,562,000
	2002	2,300	2.14	4,922	ton	\$590.00	\$2,904,000
Oranges	2003	162	10.15	1,644	ton	\$468.00	\$769,000
	2002	145	6.25	906	ton	\$500.00	\$453,000
Peaches, Clingstone	2003	2,425	17.36	42,098	ton	\$229.00	\$9,640,000
	2002	2,436	13.60	33,130	ton	\$215.00	\$7,123,000
Pistachios	2003	500	.43	215	ton	\$2,600.00	\$559,000
	2002	495	1.40	693	ton	\$2,040.00	\$1,414,000
Plums, Dried	2003	9,873	2.41	23,794	ton	\$675.00	\$16,061,000
	2002	10,851	2.20	23,872	ton	\$766.00	\$18,286,000
Walnuts, English	2003	21,670	1.89	40,956	ton	\$1,160.00	\$47,509,000
	2002	20,113	1.90	38,214	ton	\$1,179.00	\$45,055,000
**Misc.	2003	1368					\$5,162,000
	2002	891					\$2,729,000
TOTAL	2003	77,764					\$175,611,000
	2002	75,000					\$149,687,000

*2002/2003 Data includes olives grown for canning, specialty products and oil.

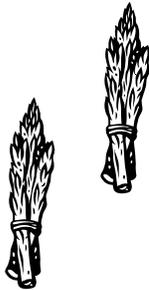
**Apricots, avocados, black walnuts, bushberries, cherries, chestnuts, grapes, mandarins, nectarines, olives (oil and specialty), peaches (Freestone), crop by-products, pears, pecans, persimmons, plums, fresh prunes, etc.

Acres may vary from state report.

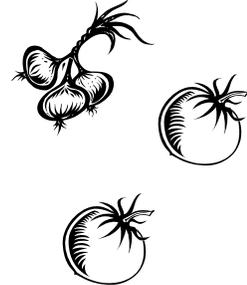
2003 SEED ACREAGE, PRODUCTION AND VALUE

<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,	2003	444	1,924	854,256	lbs	\$0.36	\$308,000
Dry Kidney	2002	450	2,200	990,000	lbs	\$0.33	\$327,000
Rice	2003	4,055	7,900	32,034,500	lbs	\$0.18	\$5,766,000
	2002	4,031	8,400	33,860,400	lbs	\$0.14	\$4,740,000
*Misc.	2003	1,479					\$1,385,000
	2002	1,539					\$1,810,000
Total	2003	5,978					\$7,459,000
	2002	6,020					\$6,877,000

*Barley, beans (other), cucurbits, melons, oats, onions, pumpkins, safflower, squash, sunflower, vetch, watermelon, wheat, etc...



2003 VEGETABLE ACREAGE AND VALUE



<u>YEAR</u>	<u>TOTAL VALUE</u>
*Misc. 2003	\$510,000
2002	\$490,000

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

2003 NURSERY PRODUCTION AREA, PLANTS AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HOUSE SQ. FT.</u>	<u>FIELD ACRE.</u>	<u>TOTAL</u>
*Misc.	2003	440,000	141	\$11,985,000
	2002	426,800	80	\$7,178,000

*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.



2003 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	2003	48,000	Colony	\$45.00	\$2,160,000
	2002	40,000	Colony	\$43.00	\$1,720,000
*Other Apiary Products	2003				\$464,000
	2002				\$540,000
TOTAL	2003				\$2,624,000
	2002				\$2,260,000

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



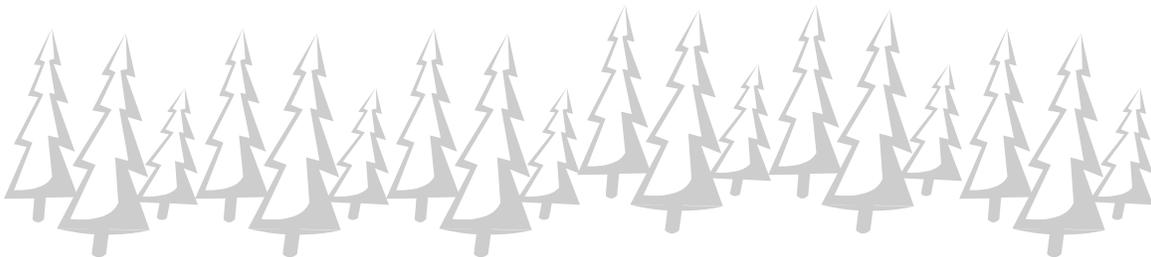
2003 HARVESTED TIMBER PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
Harvested Timber	**2003	47,087,000	\$13,264,000
	**2002	63,421,000	\$18,056,000

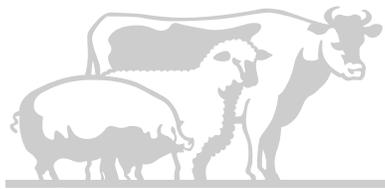
*Board feet is the quantity of timber cut and scaled.

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



2003 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	2003	13,500	80,325	cwt.	\$83.20	\$6,683,000
	2002	12,900	76,755	cwt.	\$68.10	\$5,227,000
Sheep, all	2003	1,550	1,860	cwt.	\$88.00	\$164,000
	2002	1,560	1,872	cwt.	\$69.40	\$130,000
Hogs, all	2003	750	1,553	cwt.	\$35.70	\$55,000
	2002	760	1,574	cwt.	\$34.20	\$54,000
*Misc.	2003					\$900,000
	2002					\$900,000
TOTAL	2003					7,802,000
	2002					\$6,311,000



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

2003 LIVESTOCK PRODUCTS

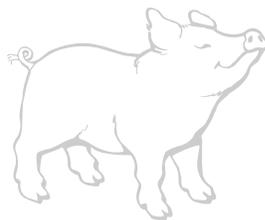
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Milk, Market*	2003	143,925	cwt.	\$12.54	\$1,805,000
	2002	138,363	cwt.	\$12.05	\$1,667,000
Milk, Manufacturing*	2003	5,995	cwt.	\$11.82	\$71,000
	2002	4,357	cwt.	\$ 9.19	\$40,000
TOTAL	2003	149,920			\$1,876,000
	2002	142,720			\$1,707,000

*California Agricultural Statistics Service

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK



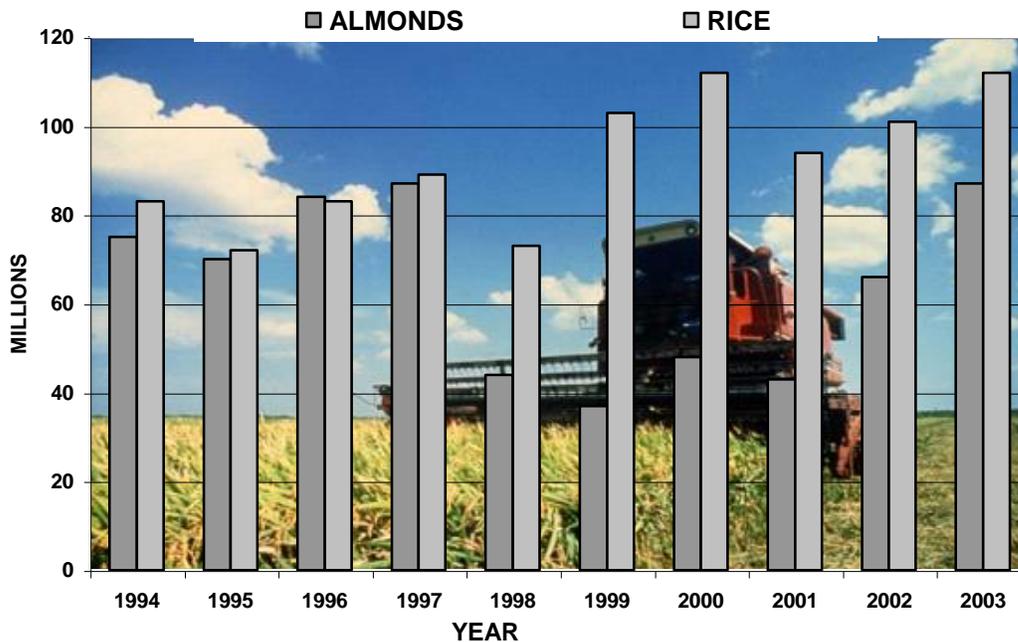
	2004	2003
Cattle and Calves, all	19,000	22,450
Milk Cows	1,000	875
Sheep, all	990	990
Hogs, all	315	315



2003 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	RICE	\$112,388,000
2	ALMONDS	\$87,046,000
3	WALNUTS	\$47,509,000
4	DRIED PLUMS	\$16,061,000
5	TIMBER	\$13,264,000
6	NURSERY STOCK	\$11,985,000
7	PEACHES, Clingstone	\$9,640,000
8	CATTLE/CALVES	\$6,683,000
9	RICE SEED	\$5,766,000
10	FRUIT & NUT CROPS, misc.	\$5,162,000
11	FIELD CROPS, misc.	\$4,928,000
12	KIWIS	\$4,561,000
13	ALMOND HULLS	\$2,742,000
14	APIARY POLLINATION	\$2,160,000
15	DRYLAND PASTURE & RANGE	\$2,160,000
16	PASTURE, Irrigated	\$1,840,000
17	MILK, Market	\$1,805,000
18	OLIVES, All	\$1,562,000
19	HAY, Alfalfa	\$1,529,000
20	SEED CROPS, misc.	\$1,385,000

10 YEAR RICE AND ALMOND VALUES



FIVE-YEAR SUMMARY OF CROP VALUES

	1999	2000	2001	2002	2003
Field Crops	\$120,435,000	\$127,540,000	\$106,642,000	\$112,987,000	\$124,279,000
Seed Crops	10,190,000	7,552,000	5,755,000	\$6,877,000	\$7,459,000
Vegetable Crops	575,000	570,000	505,000	\$490,000	\$510,000
Fruit & Nut Crops	112,620,000	138,634,000	121,991,000	\$149,687,000	\$175,611,000
Nursery Stock	6,400,000	5,961,000	8,555,000	\$7,178,000	\$11,985,000
Apiary Products	2,277,000	2,515,000	2,377,000	\$2,260,000	\$2,624,000
Livestock, all	9,330,000	8,573,000	8,800,000	\$8,018,000	\$9,678,000
Subtotal	\$261,827,000	\$291,345,000	\$254,625,000	\$287,497,000	\$332,146,000
Timber	29,484,000	33,484,000	32,878,000	\$18,056,000	\$13,264,000
Grand Total	\$291,311,000	\$324,829,000	\$287,503,000	\$305,553,000	\$345,410,000

2003 FIVE-YEAR SUMMARY OF PLANT CROP ACRES

	1999	2000	2001	2002	2003
Field Crops	405,400	400,058	391,368	398,599	361,982
Seed Crops	10,774	8,962	5,699	6,020	5,978
Vegetable Crops	800	800	700	675	685
Fruit & Nut Crops	76,418	75,057	75,835	75,222	77,764
Grand Total	493,392	478,902	473,602	480,516	446,409

ORGANIC CROP STATISTICS 2003

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Organic, all	54	5,804

2003 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	9,419 Shipments inspected (UPS, Post Office, Federal Express, local nurseries)	8 Rejections issued
<u>PEST DETECTION</u> Gypsy Moth, Med. Fly, Japanese & Khapra Beetle, Oriental, Melon & Olive Fruit Flies and Glassy-winged sharpshooter.	1,216 Traps placed throughout the County to detect the presence of these pests.	1,873 Olive Fruit Flies trapped
<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	1 Treatment
<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

