

**BUTTE COUNTY
AGRICULTURAL
COMMISSIONER'S OFFICE**



**2002
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
Charmaine Damron	Administrative Services Assistant
Friede Conklin	Office Assistant III
Janice Gall	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
Devon Hedemark	Engineering Aide

CHICO DISTRICT

Robert Voorhees	Supervisor-Agricultural Biologist
Helmut Bloo	Agricultural Biologist III
Navid Khan	Agricultural Biologist III
Stephen Weston	Agricultural Biologist III
Matt Bozzo	Agricultural Biologist II

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

2002 FRUIT & NUT CROPS ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	36,605	1,470	38,075
Apples	222	0	222
Apricots	41	0	41
Avocados	3	0	3
Cherries	202	0	202
Chestnuts	6	0	6
Grapes (All)	177	0	177
Kiwis	1,164	0	1,164
Mandarins	57	0	57
Nectarines	5	0	5
Olives	2,864	0	2,864
Oranges – Navels & Valencias	181	0	181
Peaches, Clingstone	2,436	77	2,513
Peaches, Freestone	74	2	76
Pears (All)	11	0	11
Pecans	129	23	152
Persimmons	38	0	38
Pistachios	495	0	495
Plums	16	11	27
Prunes	10,851	900	11,751
Walnuts, English	20,113	2,021	22,134
Walnuts, Black	29	0	29
TOTAL	75,719	4,504	80,223

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

2002 FIELD CROPS

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, Dry edible	2002	500	1.10	550	ton	\$663.00	\$365,000
	2001	500	1.09	545	ton	\$648.00	\$353,000
Hay, alfalfa	2002	3,171	5.18	16,426	ton	\$104.00	\$1,708,000
	2001	3,000	5.22	15,660	ton	\$103.00	\$1,613,000
Pasture, Irrigated	2002	18,400			acre	\$115.00	\$2,116,000
	2001	18,400			acre	\$108.00	\$1,987,000
Pasture, Other	2002	268,000				\$7.20	\$1,930,000
	2001	268,000				\$9.50	\$2,546,000
Rice	2002	94,700	4.30	427,210	ton	*\$248.50	\$101,192,000
	2001	86,000	4.33	372,380	ton	*\$252.80	\$94,138,000
Safflower	2002	891	0.79	704	ton	\$240.00	\$169,000
	2001	900	0.55	495	ton	\$216.00	\$107,000
Wheat	2002	4000	1.96	7,840	ton	\$90.00	\$706,000
	2001	3500	1.50	5,250	ton	\$82.50	\$433,000
Misc.**	2002	8,937					\$4,801,037
	2001	10,168					\$5,228,000
Total	2002	\$398,599					\$112,987,000
	2001	\$390,468					\$106,642,000

*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.

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	2002	36,605	.86	31,480	ton	\$2,089.00	\$65,762,000
	2001	36,865	.68	25,068	ton	\$1,700.00	\$42,616,000
Hulls	2002			39,350	ton	\$70.00	\$2,755,000
	2001			31,333	ton	\$70.50	\$2,209,000
Apples (All)	2002	222	8.00	1,776	ton	\$550.00	\$977,000
	2001	224	11.00	2,464	ton	\$240.00	\$ 591,000
Kiwis	2002	1,164	4.40	5,122	ton	\$626.00	\$3,206,000
	2001	1,241	3.88	4,815	ton	\$650.00	\$3,130,000
*Olives	2002	2,300	2.14	4,922	ton	\$590.00	\$2,904,000
	2001	1,300	0.85	1,105	ton	\$550.00	\$608,000
Oranges	2002	145	6.25	906	ton	\$500.00	\$453,000
	2001	147	3.90	573	ton	\$550.00	\$315,000
Peaches, Clingstone	2002	2,436	13.60	33,130	ton	\$215.00	\$7,123,000
	2001	2,300	14.40	31,120	ton	\$221.00	\$7,320,000
Pistachios	2002	495	1.40	693	ton	\$2,040.00	\$1,414,000
	2001	496	.70	347	ton	\$2,100.00	\$729,000
Plums, Dried	2002	10,851	2.20	23,872	ton	\$766.00	\$18,286,000
	2001	12,229	1.80	22,012	ton	\$750.00	\$16,509,000
Walnuts, English	2002	20,113	1.90	38,214	ton	\$1179.00	\$45,055,000
	2001	19,125	2.05	39,206	ton	\$1,150.00	\$45,087,000
**Misc.	2002	891			ton		\$1,752,000
	2001	1,923			ton		\$2,877,000
TOTAL	2002	75,222					\$149,687,000
	2001	75,850					\$121,991,000

*2002 Data includes olives grown for canning, specialty products and oil. 2001 Data is for canning olives only.

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

Acres may vary from state report.

2002 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,	2002	450	2,200	990,000	lbs	\$0.33	\$327,000
Dry Kidney	2001	875	2,061	1,803,000	lbs	\$0.29	\$523,000
Rice	2002	4031	8,400	33,860,000	lbs	\$0.14	\$4,740,000
	2001	2862	8,900	25,472,000	lbs	\$0.15	\$3,821,000
*Misc.	2002	1,539					\$1,810,000
	2001	1,962					\$1,411,000
Total	2002	6,020					\$6,877,000
	2001	5,699					\$5,755,000

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



2002 VEGETABLE ACREAGE AND VALUE



	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>TOTAL VALUE</u>
*Misc.	2002	675	\$490,000
	2001	700	\$505,000

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

2002 NURSERY PRODUCTION AREA, PLANTS AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HOUSE SQ. FT.</u>	<u>FIELD ACRE</u>	<u>PRODUCTION</u>	<u>VALUE</u>	
				<u>TOTAL PRODUCED</u>	<u>UNIT</u>	<u>TOTAL</u>
*Misc.	2002	426,800	80.00	3,788,954	Plants	\$7,178,000
	2001	323,000	78.25	2,961,000	Plants	\$8,555,000

*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.



2002 APIARY PRODUCTS PRODUCTION AND VALUE



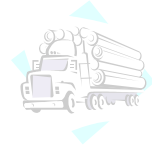
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Pollination	2002	40,000	Colony	\$43.00	\$1,720,000
	2001	46,000	Colony	\$40.50	\$1,863,000
*Other Apiary Products	2002				\$540,000
	2001				\$514,000
TOTAL	2002				\$2,260,000
	2001				\$2,377,000



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



2002 HARVESTED TIMBER PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
Harvested Timber	**2002	63,421,000	\$18,056,000
	**2001	92,562,000	\$32,878,000

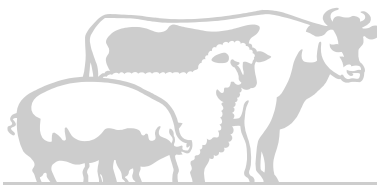
*Board feet is the quantity of timber cut and scaled.

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



2002 LIVESTOCK AND POULTRY PRODUCTION AND VALUE

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
		<u>HEAD</u>	<u>NO. OF LIVE WEIGHT</u>	<u>TOTAL UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Cattle and Calves	2002	12,900	76,755	cwt.	\$68.10	\$5,227,000
	2001	12,830	76,340	cwt.	\$73.70	\$5,626,000
Sheep, all	2002	1,560	1,872	cwt.	\$69.40	\$130,000
	2001	1,160	1,397	cwt.	\$67.30	\$94,000
Hogs, all	2002	760	1,574	cwt.	\$34.20	\$54,000
	2001	740	1,533	cwt.	\$45.00	\$69,000
*Misc.	2002					\$900,000
	2001					\$840,000
TOTAL	2002					\$6,311,000
	2001					\$6,629,000



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

2002 LIVESTOCK PRODUCTS

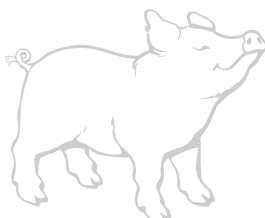
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Milk, Market*	2002	138,363	cwt.	\$12.05	\$1,667,000
	2001	135,993	cwt.	\$15.16	\$2,062,000
Milk, Manufacturing*	2002	4,357	cwt.	\$ 9.19	\$40,000
	2001	8,927	cwt.	\$12.26	\$109,000
TOTAL	2002	142,720			\$1,707,000
	2001	144,920			\$2,171,000

*California Crop and Livestock Reporting Service Figures

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK



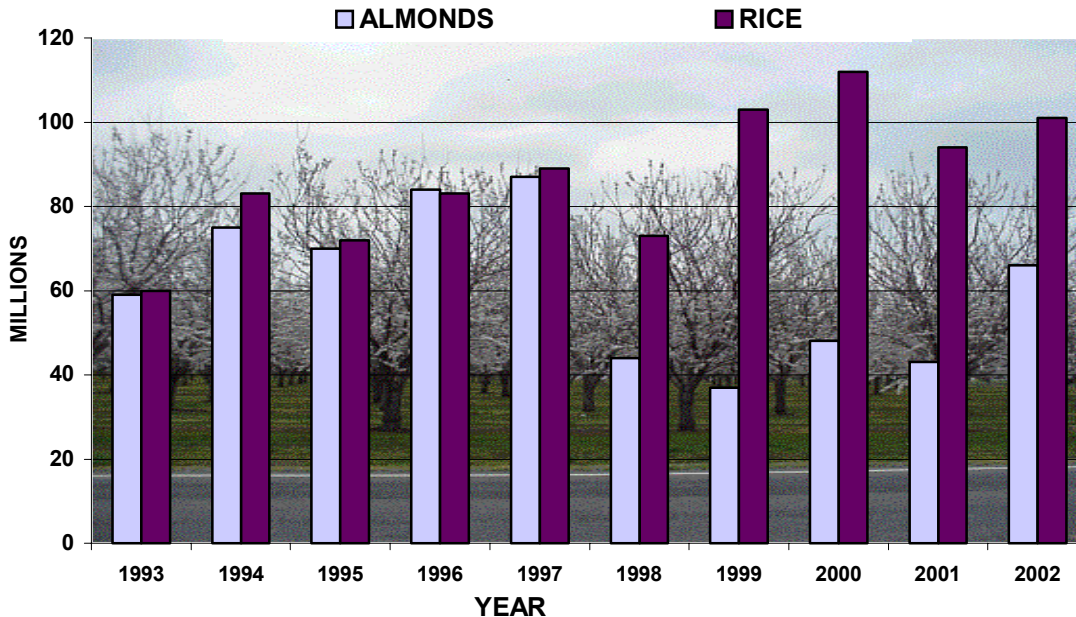
Cattle and Calves, all	2003	2002
	22,450	22,450
Milk Cows	875	850
Sheep, all	990	900
Hogs, all	315	300



2002 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	RICE	\$101,192,000
2	ALMONDS	\$65,762,000
3	WALNUTS	\$45,055,000
4	DRIED PLUMS	\$18,286,000
5	TIMBER	\$18,056,000
6	NURSERY STOCK	\$7,178,000
7	PEACHES, Clingstone	\$7,123,000
8	CATTLE/CALVES	\$5,227,000
9	FIELD CROPS, misc.	\$4,801,000
10	RICE SEED	\$4,740,000
11	KIWIS	\$3,206,000
12	OLIVES, all	\$2,904,000
13	ALMOND HULLS	\$2,755,000
14	PASTURE, Irrigated	\$2,116,000
15	DRYLAND PASTURE & RANGE	\$1,930,000
16	SEED CROPS, misc.	\$1,810,000
17	FRUIT & NUT CROPS, misc.	\$1,752,000
18	APIARY POLLINATION	\$1,720,000
19	ALFALFA HAY	\$1,708,000
20	MILK, Market	\$1,667,000
21	PISTACHIOS	\$1,414,000

10 YEAR RICE AND ALMOND VALUES



FIVE-YEAR SUMMARY OF CROP VALUES

	1998	1999	2000	2001	2002
Field Crops	\$86,730,000	\$120,435,000	\$127,540,000	\$106,642,000	\$112,987,000
Seed Crops	5,708,000	10,190,000	7,552,000	5,755,000	\$6,877,000
Vegetable Crops	550,000	575,000	570,000	505,000	\$490,000
Fruit & Nut Crops	105,521,000	112,620,000	138,634,000	121,991,000	\$149,687,000
Nursery Stock	3,610,000	6,400,000	5,961,000	8,555,000	\$7,178,000
Apiary Products	2,404,000	2,277,000	2,515,000	2,377,000	\$2,260,000
Livestock, all	8,797,000	9,330,000	8,573,000	8,800,000	\$8,018,000
Subtotal	\$213,320,000	\$261,827,000	\$291,345,000	\$254,625,000	\$287,497,000
Timber	33,670,000	29,484,000	33,484,000	32,878,000	\$18,056,000
Grand Total	\$246,990,000	\$291,311,000	\$324,829,000	\$287,503,000	\$305,553,000

2002 FIVE-YEAR SUMMARY OF PLANT CROP ACRES

	1998	1999	2000	2001	2002
Field Crops	403,847	405,400	400,058	391,368	398,599
Seed Crops	8,178	10,774	8,962	5,699	6,020
Vegetable Crops	750	800	800	700	675
Fruit & Nut Crops	67,481	76,418	75,057	75,835	75,222
Grand Total	480,256	493,392	478,902	473,602	480,516

2002 ORGANIC CROP STATISTICS

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Organic, all	67	4,761

2002 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	6,650 Shipments inspected (UPS, Post Office, Federal Express, local nurseries)	No 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.	1873 Olive Fruit Flies trapped 1 Japanese Beetle trapped 4 Glassy winged sharpshooters 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.	44 Sites spread throughout the county
<u>PEST MANAGEMENT</u>		
Glassy Winged Sharpshooter <u>Homalodisca coagulata</u>	Controlled by chemical method	4 Treatments
<u>PEST MANAGEMENT- BIOLOGICAL CONTROL</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>	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 Generally distributed Nursery sites Nursery sites

