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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Butte County

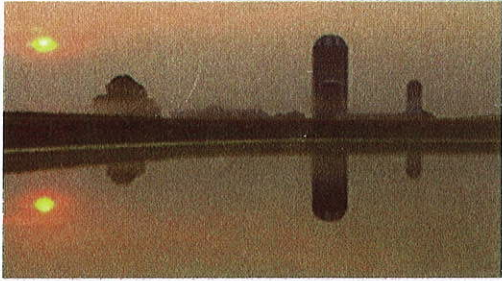
2000-2004

California County Agricultural Commissioners' Reports from the California Department of Food and Agriculture. This collection consists of annual crop and livestock data from each of the 58 California Counties. The collection covers 1915-1981; digitization of the rest of the collection is forthcoming.

This digitization project was funded by the Giannini Foundation of Agricultural Economics,
<http://giannini.ucop.edu/> .

The work was completed by the staff of the Giannini Foundation Library, University of California, Berkeley, <http://are.berkeley.edu/library/> . **Please contact the Library to consult the originals.**

2000



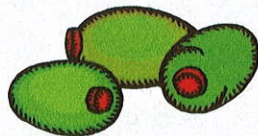
BUTTE COUNTY

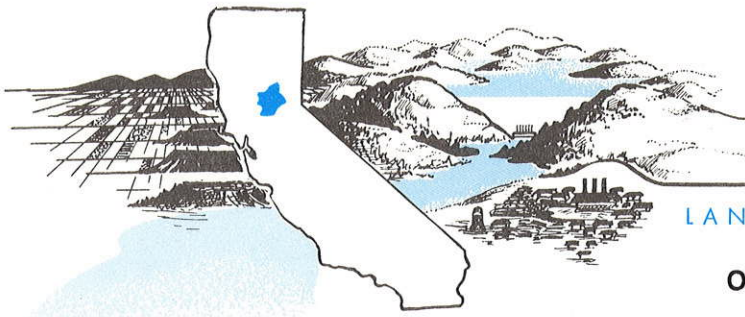


AGRICULTURAL



CROP REPORT





Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

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

RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures

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

William (Bill) J. Lyons, Jr.
California Department of Food and Agriculture

The Honorable Butte County Board of Supervisors

Curt Josiassen, Chair
Bob Beeler
Mary Anne Houx

Jane Dolan
Kim Yamaguchi

John Blacklock, Chief Administrative Officer

In accordance with provisions of section 2279 of the California Food and Agricultural Code, I am submitting the sixtieth annual crop report of agricultural production and agricultural value in Butte County for the year 2000.

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 2000 totaled \$324,829,000. This is a 33.5 million dollar increase over the 1999 gross value total of \$291,311,000. Seed crops, nursery and vegetable crops did decrease in their total values.

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
Agricultural Commissioner

PERSONNEL

Richard B. Price
Agricultural Commissioner

Louie B. Mendoza, Jr.
Assistant Agricultural Commissioner

Harrie D. Riley
Deputy Agricultural Commissioner

OROVILLE DISTRICT

Stephen Scheer
Charmaigne Damron
Friede Conklin
Cheryl M. Lambert
Marie Heinemeyer

Agricultural Biologist III
Administrative Services Asst.
Office Assistant II
Office Assistant III
Agricultural/W&M Inspector

CHICO DISTRICT

Robert Voorhees
Mary Daniels
Ken Ewing
Robert Hill
Lee Pejsa
Stephen Weston

Supervisor-Agricultural Biologist
Agricultural Biologist III
Agricultural Biologist III
Agricultural Biologist III
Agricultural Biologist II
Agricultural Biologist III

GRIDLEY DISTRICT

Mike Stewart
Ramon Jauregui

Supervisor-Agricultural Biologist
Agricultural Biologist III

2000

SEED CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PRODUCTION</u>		<u>PER UNIT</u>	<u>VALUE</u>	
			<u>PER ACRE</u>	<u>TOTAL</u>		<u>UNIT</u>	<u>TOTAL</u>
BEANS, dry kidney	2000	1,850	1,712	3,167,000	lbs	\$0.30	\$950,000
	1999	750	1,512	1,134,000	lbs	0.35	397,000
RICE	2000	4,125	8,418	34,723,000	lbs	0.13	4,514,000
	1999	4,150	7,700	31,955,000	lbs	0.15	4,793,000
*MISC.	2000	2,987					2,088,000
	1999	5,874					5,000,000
TOTAL	2000	8,962					\$7,552,000
	1999	10,774					10,190,000

*Barley, beans (other), cabbage, carrots, cucurbits, melons, oats, onions, peas, pumpkin, safflower, squash, sunflower, vetch, watermelon, wheat, etc.

VEGETABLE CROPS ACREAGE AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PRODUCTION</u>		<u>PER UNIT</u>	<u>UNIT</u>	<u>VALUE</u>
			<u>PER ACRE</u>	<u>TOTAL</u>			<u>TOTAL</u>
*MISC	2000	800					\$570,000
	1999	800					570,000

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

NURSERY PRODUCTS PRODUCTION AREA, PLANTS AND VALUE

<u>ITEM</u>	<u>YEAR</u>	<u>HOUSE SQ. FT.</u>	<u>FIELD ACRES</u>	<u>PRODUCTION</u>		<u>VALUE</u>
				<u>TOTAL PRODUCED</u>	<u>UNIT</u>	<u>TOTAL</u>
*NURSERY STOCK	2000	323,000	72.75	2,016,000	Plants	\$5,961,000
	1999	305,000	63.50	4,079,000	Plants	6,400,000

*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.

2000

**APIARY PRODUCTS
PRODUCTION AND VALUE**

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>TOTAL</u>	<u>UNIT</u>	<u>UNIT</u>	<u>TOTAL</u>
POLLINATION	2000	50,625	Colony	\$39.00	\$1,975,000
	1999	50,179	Colony	39.00	1,975,000
*OTHER APIARY PRODUCTS	2000				540,000
	1999				320,000
TOTAL	2000				\$2,515,000
	1999				2,277,000

*includes Beeswax, Honey, Nuclei, Package Bees, Queens.

HARVESTED TIMBER

<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
**2000	85,791,000	\$33,484,000
**1999	90,918,000	29,484,000

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

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

2000

FIVE-YEAR SUMMARY OF CROP VALUES

	1996	1997	1998	1999	2000
Field Crops	\$98,004,000	\$102,066,000	\$86,730,000	\$120,435,000	\$127,540,000
Seed Crops	10,369,000	9,905,000	5,708,000	10,190,000	7,552,000
Vegetable Crops	650,000	550,000	550,000	575,000	570,000
Fruit and Nut Crops	159,351,000	176,450,000	105,521,000	112,620,000	138,634,000
Nursery Stock	4,485,000	5,350,000	3,610,000	6,400,000	5,961,000
Apiary Products	2,145,000	2,229,000	2,404,000	2,277,000	2,515,000
Livestock and Poultry and Livestock Products	7,810,000	9,018,000	8,797,000	9,330,000	8,573,000
Subtotal	*\$282,814,000	\$305,568,000	\$213,320,000	\$261,827,000	\$291,345,000
Timber	40,417,000	32,603,000	33,670,000	29,484,000	33,484,000
Grand Total	*\$323,231,000	\$338,171,000	\$246,990,000	\$291,311,000	\$324,829,000

*Addition correction from original year's report.

FIVE YEAR SUMMARY OF PLANT CROP ACREAGE

	1996	1997	1998	1999	2000
Field Crops	405,835	407,188	403,847	405,400	400,058
Seed Crops	10,230	10,605	8,178	10,774	8,962
Vegetable Crops	900	750	750	800	800
Fruit and Nut Crops	66,013	67,339	67,481	76,418	75,057
Grand Total	482,978	485,882	480,256	493,392	478,902

BUTTE COUNTY 2000 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 infestations 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	26,356 packages inspected (UPS, Post Office, Federal Express, trucks)	15 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle, Olive Fruit Fly	756 traps placed throughout the County to detect the presence of these pests.	2 Olive Fruit Flies trapped
<u>PEST ERADICATION</u>		
Spotted Knapweed Diffuse Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Skeleton Weed	Controlled by a combination of mechanical and chemical methods	27 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 - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevils and Gall Fly <u>Bangasternus/Eustenopus/Urophora</u>	Generally distributed
Klamath Weed <u>Hypericum perforatum</u>	Klamath Beetle <u>Chrysolina 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/Nanophyes/Galerucella</u>	Nursery sites

ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	63	4047

2001



BUTTE COUNTY

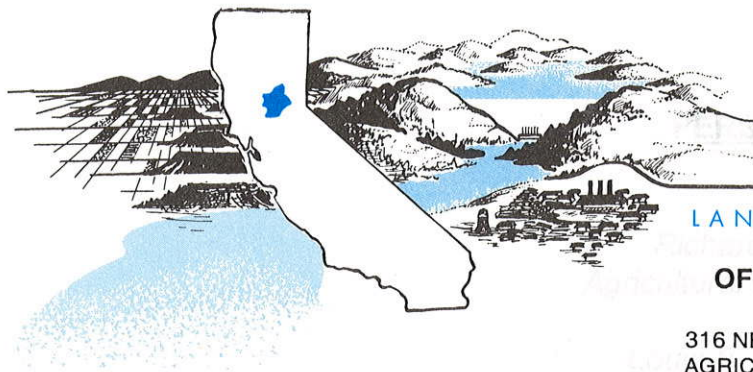


AGRICULTURAL



CROP REPORT





Butte County

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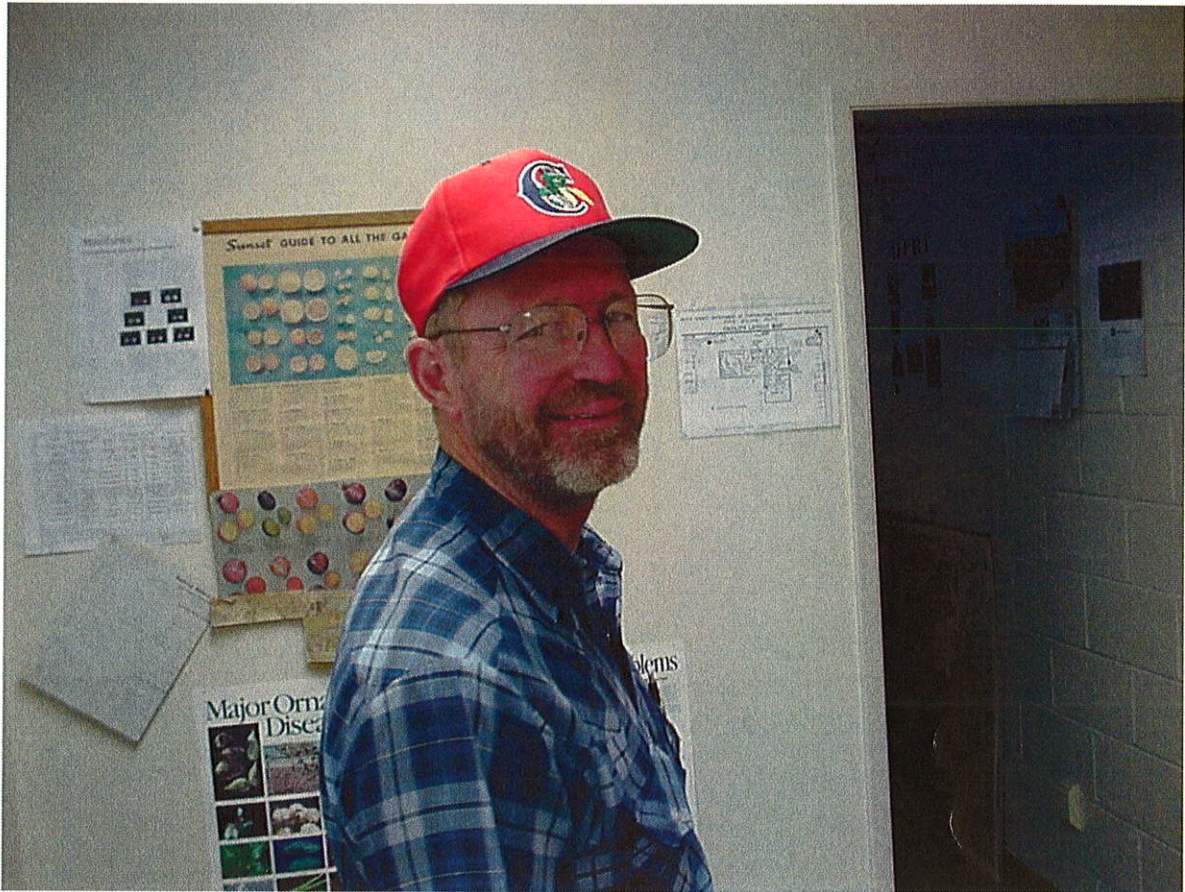
This report is a summary estimate of the acreage, production and gross value of Butte County agricultural products. The values presented in this report are gross values only, and do not reflect net farm income or costs of production and marketing.

The estimated gross value of agricultural production in Butte County for 2001 totaled \$287,503,000. This is a 37.3 million dollar decrease over the 2000 gross value total of \$324,829,000. Well over half of our crops experienced a reduction in value, putting the county agricultural economy in its second worse decline since 1992.

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
Agricultural Commissioner



The 2001 crop report is dedicated to Harrie Riley, retired Butte County Deputy Agricultural Commissioner. Harrie has dedicated 29 years of continuous service to the agricultural industry and community. The residents of Butte County and staff of the Department of Agriculture wish Harrie Riley and his wife Carol an enjoyable retirement.

2001

FRUIT AND NUT ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage *</u>	<u>Non-Bearing Acreage *</u>	<u>Total Acreage *</u>
Almond	36,865	1,989	38,854
Apples	224	0	224
Apricots	41	0	41
Avocado	3	0	3
Cherries	202	0	202
Chestnuts	6	0	6
<u>Citrus</u>			
Mandarins	57	0	57
Navels & Valencias	181	0	181
Grapes (All)	177	0	177
Guava (Feijoa)	23	0	23
Kiwifruit	1,241	0	1,241
Nectarines	5	0	5
Olives	2,911	257	3,168
Peaches, Clingstone	2,299	199	2,498
Peaches, Freestone	67	6	73
Pears (All)	11	0	11
Pecans	129	23	152
Persimmons	38	10	48
Pistachio	496	0	496
Plum	16	0	16
Prunes	12,229	1,022	13,251
Walnuts, English	19,125	2,729	21,854
Walnuts, Black	15	14	29
TOTAL	76,355	6,249	82,604

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

2001

FRUIT AND NUT 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>
ALMOND	2001	36,865	0.68	25,068	ton	\$1,700.00	\$42,616,000
	2000	36,095	0.62	22,375	ton	2,125.00	47,547,000
HULLS	2001			31,333	ton	70.50	\$2,209,000
	2000			27,969	ton	70.00	1,958,000
APPLES (All)	2001	224	11.00	2,464	ton	240.00	591,000
	2000	263	6.89	1,812	ton	588.00	1,066,000
KIWIFRUIT	2001	1241	3.88	4,815	ton	650.00	3,130,000
	2000	1,271	5.86	7,448	ton	700.00	5,214,000
OLIVES	2001	1,300	0.85	1,105	ton	550.00	608,000
	2000	1,400	0.95	1,330	ton	450.00	599,000
ORANGES	2001	147	3.90	573	ton	550.00	315,000
	2000	147	5.00	735	ton	501.00	368,000
PEACHES, Clingstone	2001	2,300	14.40	33,120	ton	221.00	7,320,000
	2000	1,933	16.80	32,474	ton	220.00	7,144,000
PISTACHIO	2001	496	0.70	347	ton	2,100.00	729,000
	2000	494	1.15	569	ton	2,000.00	1,138,000
PLUMS, dried (PRUNES)	2001	12,229	1.8	22,012	ton	750.00	16,509,000
	2000	12,472	3.08	38,414	ton	810.00	31,115,000
WALNUTS, English	2001	19,125	2.05	39,206	ton	1,150.00	45,087,000
	2000	18,398	1.52	27,950	ton	1,360.00	38,012,000
*MISC	2001	1,923					2,877,000
	2000	2,584					4,473,000
TOTAL	2001	75,835					\$121,991,000
	2000	75,057					138,634,000

*Apricots, Avocados, Black Walnuts, Bushberries, Cherries, Chestnuts, Grapes, Mandarins, Nectarines, Olives (oil and speciality), Peaches (freestone), Peach by-products, Pears, Pecans, Persimmons, Plums, Fresh Prunes, Strawberries, etc.

Acres may vary from State Report.

2001

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>PER UNIT</u>	<u>UNIT</u>	<u>TOTAL</u>
BEANS, dry edible	2001	500	1.09	545	ton	\$648.00	\$353,000
	2000	1,100	0.95	1,045	ton	591.00	618,000
HAY, alfalfa	2001	3,000	5.22	15,660	ton	103.00	1,613,000
	2000	3,199	6.87	21,980	ton	98.00	2,154,000
HAY, grain	2001	900	2.70	2,430	ton	97.50	237,000
	2000	1,153	2.40	2,767	ton	83.50	231,000
PASTURE, irrigated	2001	18,400			*acre	108.00	1,987,000
	2000	18,400			*acre	108.00	1,987,000
PASTURE, other	2001	268,000				9.50	2,546,000
	2000	268,000				9.50	2,546,000
RICE	2001	86,000	4.33	372,380	ton	**252.80	94,138,000
	2000	98,000	4.23	414,539	ton	**271.00	112,340,000
SAFFLOWER	2001	900	0.55	495	ton	216.00	107,000
	2000	600	0.6	360	ton	242.00	87,000
WHEAT	2001	3,500	1.50	5,250	ton	82.50	433,000
	2000	2,500	2.37	5,923	ton	78.00	462,000
MISCELLANEOUS***	2001	10,168					5,228,000
	2000	7,106					7,115,000
TOTAL	2001	391,368					\$106,642,000
	2000	400,058					127,540,000

*Per acre value

**Includes government payments

***Alfalfa silage, barley, beans (other), corn, corn silage, cotton, hays (other), lavender, oats, pumpkins, sorghum, sudangrass hay, sunflower, other rice, wild rice, wild hay, crop by-products, etc.

2001

SEED 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>PER UNIT</u>	<u>UNIT</u>	<u>TOTAL</u>
BEANS, dry kidney	2001	875	2,061	1,803,000	lbs	\$0.29	\$523,000
	2000	1,850	1,712	3,167,000	lbs	0.30	950,000
RICE	2001	2862	8,900	25,472,000	lbs	0.15	3,821,000
	2000	4,125	8,418	34,723,000	lbs	0.13	4,514,000
*MISC.	2001	1,962					1,411,000
	2000	2,987					2,088,000
TOTAL	2001	5,699					\$5,755,000
	2000	8962					7,552,000

*Barley, beans (other), cabbage, carrots, cucurbits, melons, oats, onions, peas, pumpkin, safflower, squash, sunflower, vetch, watermelon, wheat, etc.

VEGETABLE CROPS ACREAGE 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>PER UNIT</u>	<u>UNIT</u>	<u>TOTAL</u>
*MISC	2001	700					\$505,000
	2000	800					570,000

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

NURSERY PRODUCTS PRODUCTION AREA, PLANTS AND VALUE

<u>ITEM</u>	<u>YEAR</u>	<u>HOUSE SQ. FT.</u>	<u>FIELD ACRES</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
				<u>TOTAL PRODUCED</u>	<u>UNIT</u>	<u>TOTAL</u>	
*NURSERY STOCK	2001	423,000	78.25	2,961,000	Plants	\$8,555,000	
	2000	323,000	72.75	2,016,000	Plants	5,961,000	

*includes broad leaved evergreens, coniferous evergreens, deciduous fruit, nut and shade trees, shrubs, kwi vines, herbaceous perennials, indoor decorative plants, bulbs, rhizomes, bedding plants, specimen trees.

2001

APIARY PRODUCTS PRODUCTION AND VALUE

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>TOTAL</u>	<u>UNIT</u>	<u>UNIT</u>	<u>TOTAL</u>
POLLINATION	2001	46,000	Colony	\$40.50	\$1,863,000
	2000	50,625	Colony	39.00	1,975,000
*OTHER APIARY PRODUCTS	2001				514,000
	2000				540,000
TOTAL	2001				\$2,377,000
	2000				2,515,000

*Includes Beeswax, Honey, Nuclei, Package Bees, Queens.

HARVESTED TIMBER

<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
**2001	92,562,000	\$32,878,000
**2000	85,791,000	33,484,000

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

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

2001

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	2001	12,830	76,340	cwt.	\$73.70	\$5,626,000
	2000	12,825	81,433	cwt.	69.80	5,684,000
SHEEP, all	2001	1,160	1,397	cwt.	67.30	94,000
	2000	1,225	1,483	cwt.	78.20	116,000
HOGS, all	2001	740	1,533	cwt.	45.00	69,000
	2000	750	1,542	cwt.	44.10	68,000
*MISC.	2001					840,000
	2000					840,000
TOTAL	2001					\$6,629,000
	2000					6,708,000

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

LIVESTOCK PRODUCTS

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>VALUE</u>	
				<u>PER UNIT</u>	<u>TOTAL</u>
MILK, Market*	2001	135,993	cwt.	\$15.16	\$2,062,000
	2000	147,267	cwt.	12.30	1,811,000
MILK, Manufacturing*	2001	8,927	cwt.	12.26	109,000
	2000	6,000	cwt.	8.94	54,000
TOTAL	2001	144,920	cwt.		\$2,171,000
	2000	153,267	cwt.		1,865,000

*CALIFORNIA CROP AND LIVESTOCK REPORTING SERVICE FIGURES

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	2002	2001
CATTLE AND CALVES, all	22,450	22,450
MILK COWS	850	854
SHEEP, all	900	950
HOGS, all	300	350

2001

MILLION DOLLAR CROPS

	CROP	VALUE
1	Rice	\$94,138,000
2	Walnuts, English	45,087,000
3	Almonds	42,616,000
4	Timber	32,878,000
5	Dried Plums (Prunes)	16,509,000
6	Nursery Stock	8,555,000
7	Peaches, Clingstone	7,320,000
8	Cattle/Calves	5,626,000
9	Field Crops, Miscellaneous	5,228,000
10	Rice Seed	3,821,000
11	Kiwifruit	3,130,000
12	Fruit and Nut Crops, Misc.	2,877,000
13	Dryland Pasture and Range	2,546,000
14	Almond Hulls	2,209,000
15	Milk, Market	2,062,000
16	Pasture, Irrigated	1,987,000
17	Apiary Pollination	1,863,000
18	Alfalfa Hay	1,613,000
19	Seed Crops, Miscellaneous	1,411,000

2001

FIVE-YEAR SUMMARY OF CROP VALUES

	1997	1998	1999	2000	2001
Field Crops	\$102,066,000	\$86,730,000	\$120,435,000	\$127,540,000	\$106,642,000
Seed Crops	9,905,000	5,708,000	10,190,000	7,552,000	5,755,000
Vegetable Crops	550,000	550,000	575,000	570,000	505,000
Fruit and Nut Crops	176,450,000	105,521,000	112,620,000	138,634,000	121,991,000
Nursery Stock	5,350,000	3,610,000	6,400,000	5,961,000	8,555,000
Apiary Products	2,229,000	2,404,000	2,277,000	2,515,000	2,377,000
Livestock and Poultry and Livestock Products	9,018,000	8,797,000	9,330,000	8,573,000	8,800,000
Subtotal	\$305,568,000	\$213,320,000	\$261,827,000	\$291,345,000	\$254,625,000
Timber	32,603,000	33,670,000	29,484,000	33,484,000	32,878,000
Grand Total	\$338,171,000	\$246,990,000	\$291,311,000	\$324,829,000	\$287,503,000

*Correction from original year's report.

FIVE YEAR SUMMARY OF PLANT CROP ACREAGE

	1997	1998	1999	2000	2001
Field Crops	407,188	403,847	405,400	400,058	391,368
Seed Crops	10,605	8,178	10,774	*8962	5,699
Vegetable Crops	750	750	800	800	700
Fruit and Nut Crops	67,339	67,481	76,418	75,057	75,835
Grand Total	485,882	480,256	493,392	478,902	473,602

BUTTE COUNTY 2001 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 infestations 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	5,020 shipments inspected (UPS, Post Office, Federal Express, local nurseries)	9 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle, Olive Fruit Fly	803 traps placed throughout the County to detect the presence of these pests.	4 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	44 sites spread throughout the county
<u>PEST MANAGEMENT-</u>		
Glassy Winged Sharpshooter <u>Homalodisca coagulata</u>	Controlled by chemical method	7 Treatment
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevils / Gall Fly / Seed Fly <u>Bangasternus/Chaetoriella</u> <u>Eustenopus/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 typriformis</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/Nanophyes/Galerucella</u>	Nursery sites

ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Tree/Field/Vegetable	64	4617

**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

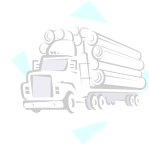


<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Pollination	2002	40,000	Colony	\$43.00	\$1,720,000
	2001	46,000	Colony	\$40.50	\$1,863,000
*Other Apiary Products	2002				\$540,000
	2001				\$514,000
TOTAL	2002				\$2,260,000
	2001				\$2,377,000

*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

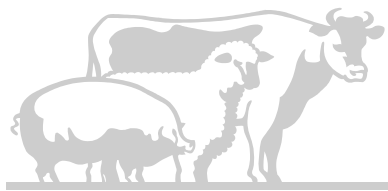
*Board feet is the quantity of timber cut and scaled.

**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>UNIT</u>	<u>PER 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

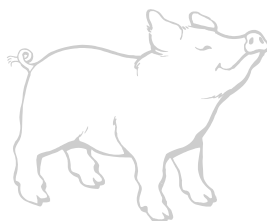
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Milk, Market*	2002	138,363	cwt.	\$12.05	\$1,667,000
	2001	135,993	cwt.	\$15.16	\$2,062,000
Milk, Manufacturing*	2002	4,357	cwt.	\$ 9.19	\$40,000
	2001	8,927	cwt.	\$12.26	\$109,000
TOTAL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



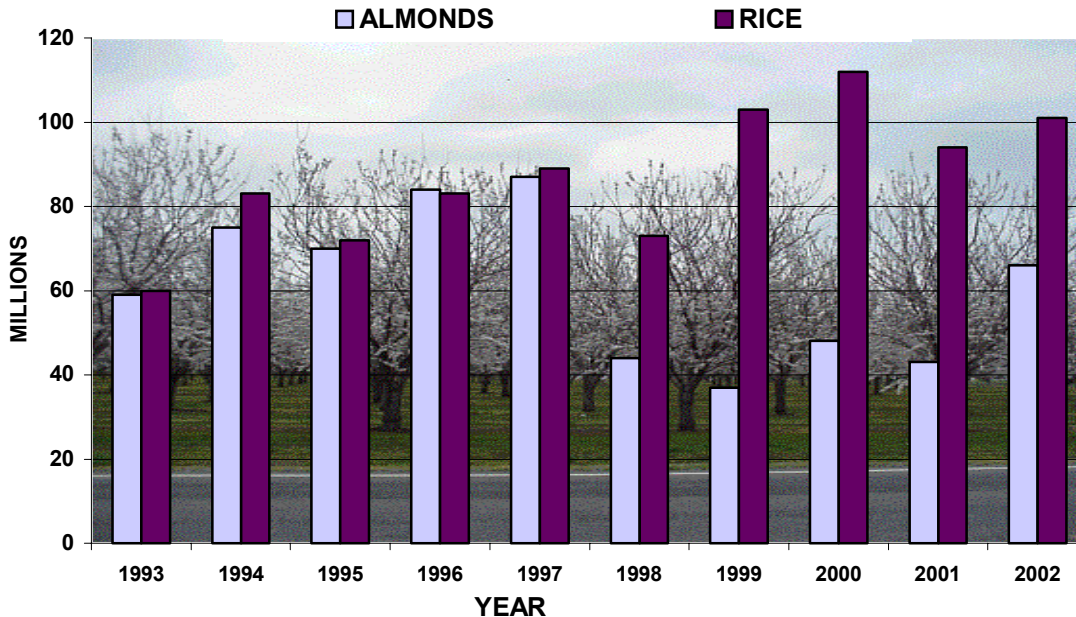
	2003	2002
Cattle and Calves, all	22,450	22,450
Milk Cows	875	850
Sheep, all	990	900
Hogs, all	315	300



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



2003

BUTTE COUNTY
AGRICULTURAL
CROP REPORT

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>PRODUCTION</u>			<u>VALUE</u>	
			<u>PER ACRE</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.

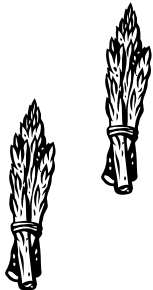
**Apricots, avocados, black walnuts, bushberries, cherries, chestnuts, grapes, mandarins, nectarines, olives (oil and specialty), peaches (Freestone), crop by-products, pears, pecans, persimmons, plums, fresh prunes, etc.

Acres may vary from state report.

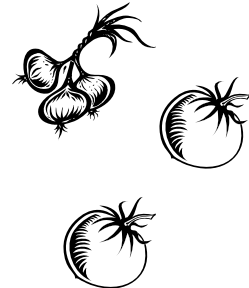
2003 SEED ACREAGE, PRODUCTION AND VALUE

<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.



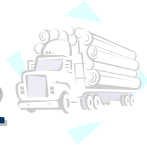
2003 APIARY PRODUCTS PRODUCTION AND VALUE

<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

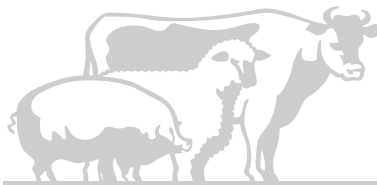
*Board feet is the quantity of timber cut and scaled.

**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

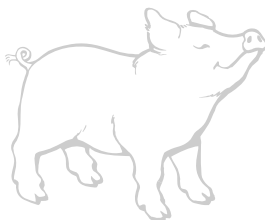
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Milk, Market*	2003	143,925	cwt.	\$12.54	\$1,805,000
	2002	138,363	cwt.	\$12.05	\$1,667,000
Milk, Manufacturing*	2003	5,995	cwt.	\$11.82	\$71,000
	2002	4,357	cwt.	\$ 9.19	\$40,000
TOTAL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

*California Agricultural Statistics Service

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK



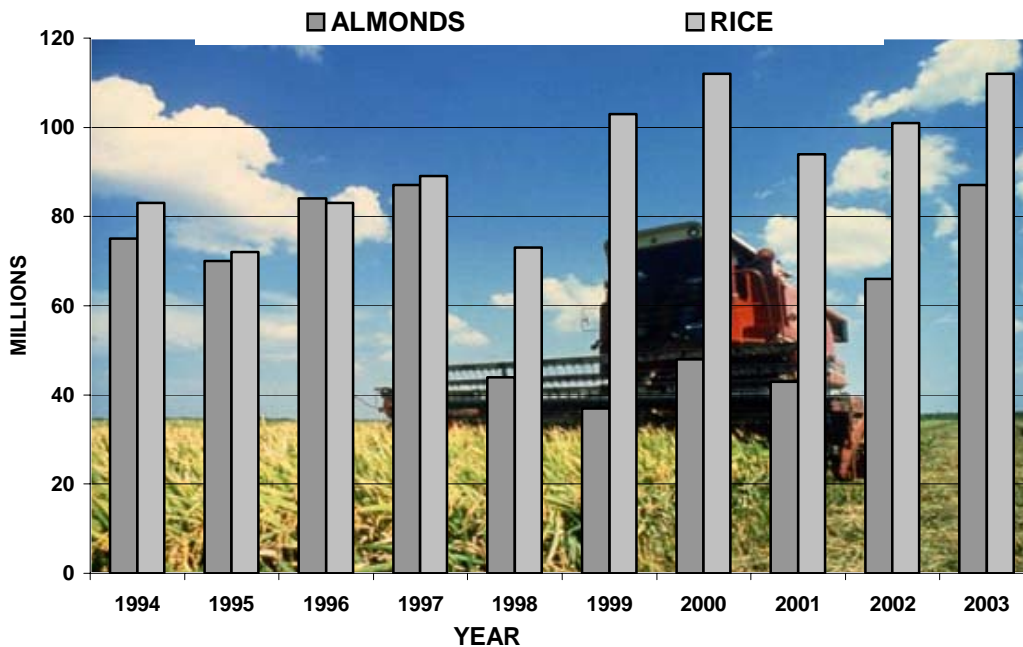
Cattle and Calves, all	2004	2003
	19,000	22,450
Milk Cows	1,000	875
Sheep, all	990	990
Hogs, all	315	315



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> 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 Generally distributed Nursery sites Nursery sites





06/02/2005

2004 BUTTE COUNTY AGRICULTURAL CROP REPORT

The Chico Museum's Patrick Ranch preserves and interprets agricultural history of the Sacramento Valley, including social, cultural and economic aspects. It provides enrichment for all ages through education about our past.

The Patrick Ranch annual Threshing Bee is an educational and entertaining event that brings historic farming to life.



The Patrick Ranch offers outdoor tours which focus on two large adjacent ranches, from their beginnings as part of Spanish Land Grants and their transformation to agricultural products during and after the Gold Rush.

The Patrick Ranch is located at 10381 Midway, Durham CA 95938. Phone: 530-892-1525, e-mail: chicomuseum@chico.com

The cover photo was taken by Richard Price, Butte County 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

RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and 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

Kim Yamaguchi, Chairperson

Curt Josiassen

Jane Dolan

Mary Anne Houx

Bill Connelly

Paul McIntosh, Chief Administrative Officer,

In accordance with provisions of section 2279 of the California Food and Agriculture Code, I am submitting the sixty-third annual crop report of agricultural production and agricultural value in Butte County for the 2004 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 2004 totaled \$358,274,000. This is a 12.8 million dollar increase over the 2003 gross value total of \$345,410,000. The total increase in gross value of agriculture during 2004 is 13 percent above our county 10-year average of \$311,700,000.

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

Stephen 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
Jeremy Kinkel	Agricultural /W&M Inspector
Bill Kienzle	Engineering Aide

CHICO DISTRICT

Robert Voorhees	Supervisor-Agricultural Biologist (Retired)
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

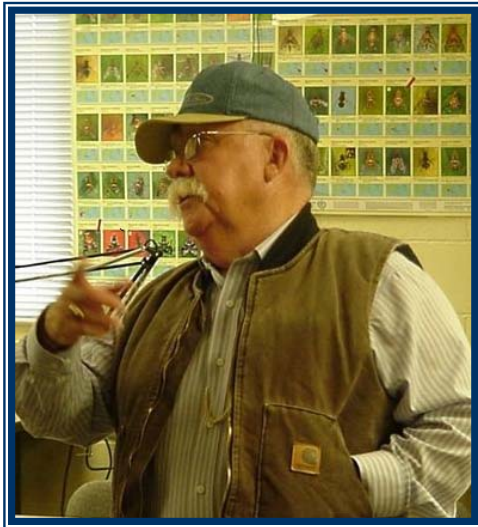
The 2004 Butte County Agricultural Crop Report Is Dedicated to:



Robert J. Voorhees

Supervising Agricultural Biologist

In October of 2004 “Bob” retired after 31 years of service to the Butte County Agricultural Commissioner’s Office. Bob’s vast knowledge of local agriculture, good humor and his devotion to our agricultural community will be missed by our Department and our community.



James Coleman

Federal Wildlife Trapping Specialist

In December of 2004 “Jim” retired after a total of 29 years of service to the Butte County, Colusa County and Placer County Agricultural Commissioner’s Offices and the U.S. Department of Agriculture. Jim’s trapping skills, experience and get-the-job-done work ethic made him popular with the community and his co-workers. Our office will miss Jim’s smile and his ability to tell a good story.

**The staff at the Butte County Agriculture Department
wishes Bob, Jim and their families a wonderful
future and enjoyable retirement.**

2004 FRUIT & NUT CROPS ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	40,129	1,425	41,554
Apples	209	0	209
Apricots	41	0	41
Avocados	3	0	3
Cherries	254	0	254
Chestnuts	29	6	35
Grapes (All)	223	0	223
Kiwis	1,045	0	1,045
Mandarins	60	0	60
Nectarines	7	0	7
Olives	2,424	0	2,424
Oranges – Navels & Valencias	162	0	162
Peaches, Clingstone	2,425	228	2,653
Peaches, Freestone	70	14	84
Pears (All)	16	0	16
Pecans	210	22	232
Persimmons	65	10	75
Pistachios	500	0	500
Plums	140	58	198
Dried Plums	9,547	1,052	10,599
Walnuts, English	22,972	3,704	26,676
Walnuts, Black	<u>20</u>	<u>22</u>	<u>42</u>
TOTAL	80,551	6,541	87,092

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

2004 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	2004	600	1.10	660	ton	\$660.00	\$436,000
	2003	500	1.19	595	ton	\$660.00	\$393,000
Hay, alfalfa	2004	2,400	6.00	14,400	ton	\$104.00	\$1,498,000
	2003	2,900	5.61	16,269	ton	\$94.00	\$1,529,000
Pasture, Irrigated	2004	15,500			acre	\$115.00	\$1,783,000
	2003	16,000			acre	\$115.00	\$1,840,000
Pasture, Other	2004	240,000			acre	\$9.00	\$2,160,000
	2003	240,000			acre	\$9.00	\$2,160,000
Rice	2004	105,000	4.57	479,850	ton	210.00	\$100,769,000
	2003	92,500	4.05	374,625	ton	*\$300.00	\$112,388,000
Safflower	2004	267	0.90	240	ton	\$220.00	\$53,000
	2003	700	0.80	560	ton	\$270.00	\$151,000
Wheat	2004	2,147	2.50	5,368	ton	\$90.00	\$483,000
	2003	4,440	2.11	9,368	ton	\$95.00	\$890,000
Misc.**	2004	5,071					\$5,220,000
	2003	4,942					\$4,928,000
Total	2004	370,985					\$112,402,000
	2003	361,982					\$124,279,000

*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.

2004 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>PER UNIT</u>	<u>TOTAL</u>
Almonds	2004	40,129	.67	26,886	ton	\$4,045.00	\$108,754,000
	2003	39,168	.80	31,334	ton	\$2,778.00	\$87,046,000
Hulls	2004			33,608	ton	\$78.00	\$2,621,000
	2003			39,167	ton	\$70.00	\$2,742,000
Citrus, all oranges	2004	162	9.71	1,573	ton	\$632.00	\$994,000
	2003	162	10.15	1,644	ton	\$468.00	\$769,000
Kiwis	2004	886	4.40	3,810	ton	\$833.00	\$3,174,000
	2003	1,078	6.54	7,050	ton	\$647.00	\$4,561,000
*Olives	2004	1,686	3.19	5,378	ton	\$460.00	\$2,474,000
	2003	1,550	2.24	3,472	ton	\$450.00	\$1,562,000
Peaches, Clingstone	2004	2,425	14.9	36,133	ton	\$237.00	\$8,564,000
	2003	2,425	17.36	42,098	ton	\$229.00	\$9,640,000
Pistachios	2004	500	1.11	555	ton	\$2,535.00	\$1,407,000
	2003	500	.43	215	ton	\$2,600.00	\$559,000
Plums, Dried	2004	9,547	.89	8,497	ton	\$1,154	\$9,805,000
	2003	9,873	2.41	23,794	ton	\$675.00	\$16,061,000
Walnuts, English	2004	22,972	1.72	39,512	ton	\$1,361.00	\$53,776,000
	2003	21,670	1.89	40,956	ton	\$1,160.00	\$47,509,000
**Misc.	2004	1,392					\$4,918,000
	2003	1,368					\$5,162,000
TOTAL	2004	79,699					\$196,487,000
	2003	77,764					\$175,611,000

*2003/2004 Data includes olives grown for canning, specialty products and oil.

**Apricots, avocados, black walnuts, bush berries, cherries, chestnuts, grapes, mandarins, nectarines, 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.

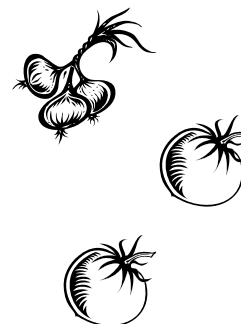


2004 SEED ACREAGE, PRODUCTION AND VALUE

<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, Dry Kidney	2004	800	2,198	1,758,400	lbs	\$0.39	\$686,000
	2003	444	1,924	854,256	lbs	\$0.36	\$308,000
Rice	2004	4,050	8,400	34,020,000	lbs	\$0.17	\$5,783,000
	2003	4,055	7,900	32,034,500	lbs	\$0.18	\$5,766,000
*Misc.	2004	1,202					\$1,611,000
	2003	1,479					\$1,385,000
Total	2004	6,052					\$8,080,000
	2003	5,978					\$7,459,000

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

2004 VEGETABLE ACREAGE AND VALUE



<u>YEAR</u>	<u>TOTAL VALUE</u>
*Misc. 2004	\$550,000
2003	\$510,000

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

2004 NURSERY PRODUCTION AREA, PLANTS AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>FIELD ACRE.</u>	<u>TOTAL</u>
*Misc.	2004	151	\$10,786,000
	2003	141	\$11,985,000

*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.



2004 APIARY PRODUCTS PRODUCTION AND VALUE

<u>ITEM</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
	<u>YEAR</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Pollination	2004	39,000	Colony	\$52.00	\$2,028,000
	2003	48,000	Colony	\$45.00	\$2,160,000
*Other Apiary Products	2004				\$550,000
	2003				\$464,000
TOTAL	2004				\$2,578,000
	2003				\$2,624,000

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



2004 HARVESTED TIMBER PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
Harvested Timber	**2004	52,479,000	\$15,032,000
	**2003	47,087,000	\$13,264,000

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

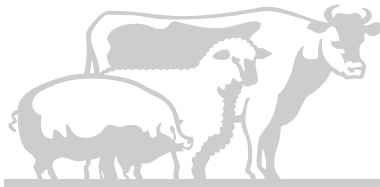
**Timber production and value data provided by State Board of Equalization, Timber Tax Division.



2004 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	2004	13,500	80,325	cwt.	\$111.00	\$8,916,000
	2003	13,500	80,325	cwt.	\$83.20	\$6,683,000
Sheep, all	2004	1,700	1,860	cwt.	\$90.40	\$168,000
	2003	1,550	1,860	cwt.	\$88.00	\$164,000
Hogs, all	2004	700	1,553	cwt.	\$49.50	\$77,000
	2003	750	1,553	cwt.	\$35.70	\$55,000
*Misc.	2004					\$950,000
	2003					\$900,000
TOTAL	2004					\$10,111,000
	2003					\$7,802,000

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



2004 LIVESTOCK PRODUCTS

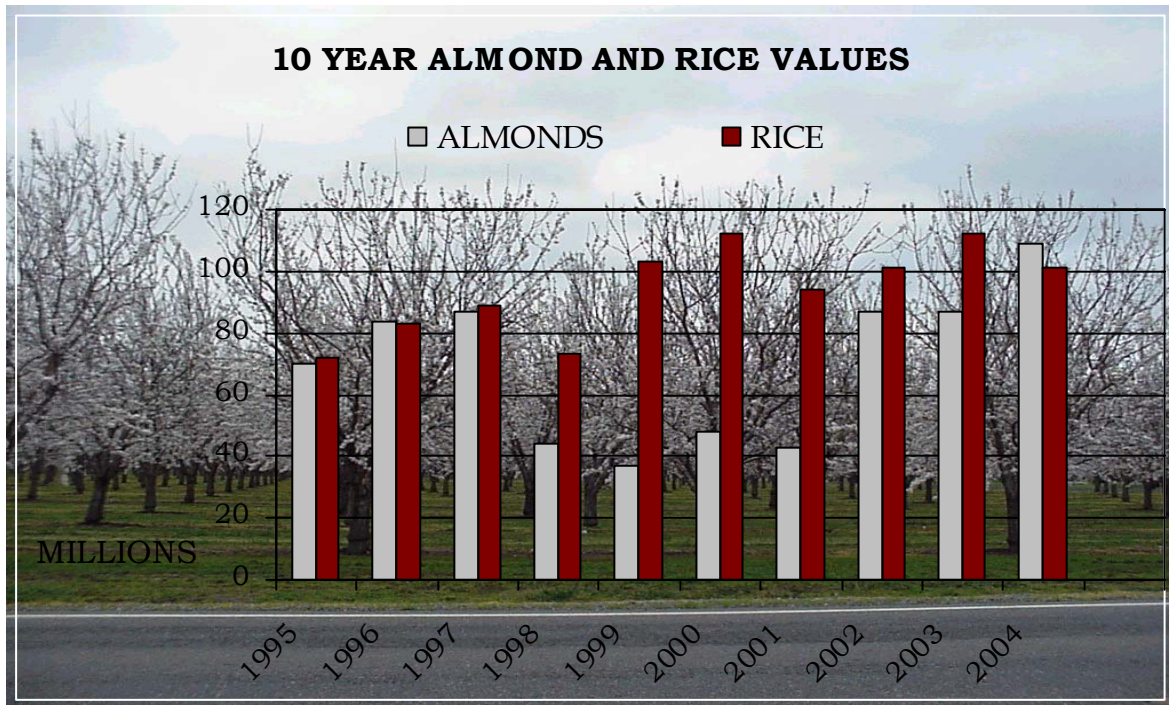
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Milk, Market*	2004	134,258	cwt.	\$16.17	\$2,171,000
	2003	143,925	cwt.	\$12.54	\$1,805,000
Milk, Manufacturing*	2004	5,057	cwt.	\$15.20	\$77,000
	2003	5,995	cwt.	\$11.82	\$71,000
TOTAL	2004	139,315			\$2,248,000
	2003	149,920			\$1,876,000

*California Agricultural Statistics Service



2004 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	ALMONDS	\$108,754,000
2	RICE	\$100,769,000
3	WALNUTS	\$53,776,000
4	TIMBER	\$15,032,000
5	NURSERY STOCK	\$10,786,000
6	DRIED PLUMS	\$9,805,000
7	CATTLE/CALVES	\$8,916,000
8	PEACHES, Clingstone	\$8,564,000
9	RICE SEED	\$5,783,000
10	FIELD CROPS, misc.	\$5,220,000
11	FRUIT & NUT CROPS, misc.	\$4,918,000
12	KIWIS	\$3,174,000
13	ALMOND HULLS	\$2,621,000
14	OLIVES, All	\$2,474,000
15	MILK, Market	\$2,171,000
16	DRYLAND PASTURE & RANGE	\$2,160,000
17	APIARY POLLINATION	\$2,028,000
18	PASTURE, Irrigated	\$1,783,000
19	SEED CROPS, misc.	\$1,611,000
20	HAY, Alfalfa	\$1,498,000
21	PISTACHIOS	\$1,407,000



FIVE-YEAR SUMMARY OF CROP VALUES

	2000	2001	2002	2003	2004
Field Crops	\$127,540,000	\$106,642,000	\$112,987,000	\$124,279,000	\$112,402,000
Seed Crops	7,552,000	5,755,000	\$6,877,000	\$7,459,000	\$8,080,000
Vegetable Crops	570,000	505,000	\$490,000	\$510,000	\$550,000
Fruit & Nut Crops	138,634,000	121,991,000	\$149,687,000	\$175,611,000	\$196,487,000
Nursery Stock	5,961,000	8,555,000	\$7,178,000	\$11,985,000	\$10,786,000
Apiary Products	2,515,000	2,377,000	\$2,260,000	\$2,624,000	\$2,578,000
Livestock, all	8,573,000	8,800,000	\$8,018,000	\$9,678,000	\$12,359,000
Subtotal	\$291,345,000	\$254,625,000	\$287,497,000	\$332,146,000	\$343,242,000
Timber	33,484,000	32,878,000	\$18,056,000	\$13,264,000	\$15,032,000
Grand Total	\$324,829,000	\$287,503,000	\$305,553,000	\$345,410,000	\$358,274,000

2004 FIVE-YEAR SUMMARY OF PLANT CROP ACRES

	2000	2001	2002	2003	2004
Field Crops	400,058	391,368	398,599	361,982	371,000
Seed Crops	8,962	5,699	6,020	5,978	6,050
Vegetable Crops	800	700	675	685	685
Fruit & Nut Crops	75,057	75,835	75,222	77,764	79,700
Grand Total	478,902	473,602	480,516	446,409	457,435

ORGANIC CROP STATISTICS 2004

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Organic, all	56	5,775

2004 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	9,882 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 & 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	2 Treatments
<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

