

2001



BUTTE COUNTY



AGRICULTURAL



CROP REPORT





Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

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The Honorable Butte County Board of Supervisors

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Paul McIntosh, 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 2001.

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

