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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Butte County

1990-1994

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.

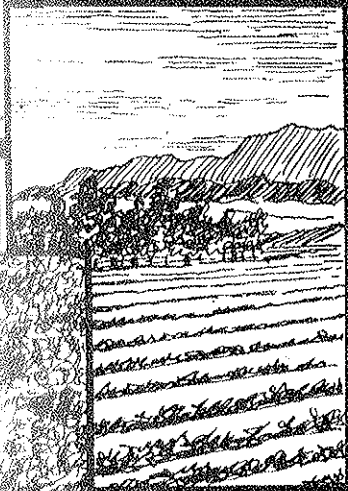
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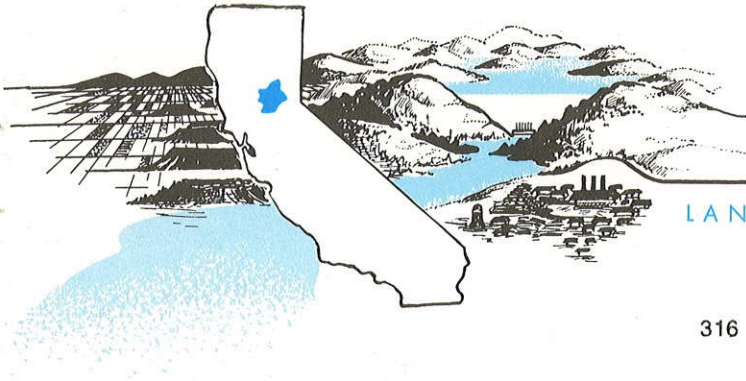
BUTTE COUNTY

AGRICULTURAL CROP REPORT

1990



AGRICULTURAL COMMISSIONER



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

316 NELSON AVENUE - OROVILLE, CALIFORNIA 95965-1229
MAIL: P.O. BOX 1229 - TELEPHONE: (916) 538-7381

RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures

DENNIS POOLER
Assistant Agricultural Commissioner/
Weights and Measures

Henry J. Voss, Director
California Department of Food and Agriculture

The Honorable Board of Supervisors
County of Butte

Jane Dolan, Chairperson
Ed McLaughlin Len Fulton
Haskel McInturf Kevin Campbell

Will Randolph, Chief Administrative Officer

In accordance with provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the Fifty-Second annual crop report of agricultural production in Butte County for the year 1990. This report is a summary of the acreage, production and gross value of agricultural production and does not attempt to reflect net farm income or costs of production and marketing. This report also emphasizes an average production and average value of gross receipts.

The 1990 estimated gross value of agricultural products produced in the county totaled \$250,620,000. This is an increase of \$13,832,000 from the 1989 production year total of \$236,788,000. Major factors in the increase can be attributed to the increased almond crop yield, and an increase in rice and walnut acres of production.

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

RP:mb

PERSONNEL

Richard B. Price
Agricultural Commissioner

Dennis Pooler
Assistant Agricultural Commissioner

Harrie Riley
Deputy Agricultural Commissioner

OROVILLE DISTRICT

Paul Bert	Agricultural Pest Control Worker
Marie Heinemeyer	Agricultural Pest Control Worker
Marion Brenden	Secretary I
Charmaigne Damron	Typist Clerk II

CHICO DISTRICT

Sterling Mattoon	Senior Agricultural Biologist
Robert Dodd	Agricultural Biologist III
Ken Ewing	Agricultural Biologist III
Robert Voorhees	Agricultural Biologist III
Ramon Jauregui	Agricultural Biologist I
Rose Bailey	Typist Clerk II

GRIDLEY DISTRICT

Mike Stewart	Senior Agricultural Biologist
Eric Reusche	Agricultural Biologist II
Betty Din	Typist Clerk I

FRUIT AND NUT ACREAGE STATISTICS
1990

Orchard Crops	Bearing Acreage	Non-Bearing Acreage	Total Acreage
Almond	37,870	228	38,098
Apples	150	2	152
Apricots	29	0	29
Avocado	3	0	3
Cherries	2	2	4
<u>Citrus</u>			
Mandarins	55	0	55
Navels & Valencias	236	0	236
Grapes (All)	175	0	175
Guava (Feijoa)	43	5	48
Kiwi	1,471	7	1,478
Nectarines	6	1	7
Olives	2,740	41	2,781
Peaches, clingstone	2,118	307	2,425
Peaches, freestone	71	0	71
Pears (All)	6	0	6
Pecans	35	56	91
Persimmons	14	17	31
Pistachio	547	0	547
Plums	19	0	19
Prunes	10,071	368	10,439
Walnuts, English	14,627	1,377	16,004
Walnuts, Black	35	4	39
Total	70,323	2,415	72,738

Acres may vary from State Report

FIELD CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Acreage	PRODUCTION		Per Unit	VALUE	
			Per Acre	Total		Unit	Total
Barley	1990	2,400	1.1	2,640	ton	110.00	\$ 290,000
	1989	3,300	1.2	3,960	ton	113.00	448,000
Beans, dry edible	1990	4,700	.98	4,606	ton	551.00	2,538,000
	1989	2,700	1.00	2,700	ton	865.00	2,336,000
Corn	1990	925	3.7	3,423	ton	104.00	356,000
	1989	900	3.0	2,700	ton	105.00	284,000
Hay, alfalfa	1990	2,850	7.53	21,461	ton	90.80	1,949,000
	1989	2,900	6.02	17,458	ton	96.70	1,688,000
grain	1990	2,150	2.9	6,235	ton	63.00	393,000
	1989	2,500	3.0	7,500	ton	80.00	600,000
wild	1990	2,900	0.8	2,320	ton	45.00	104,000
	1989	3,000	0.9	2,700	ton	40.00	108,000
Oats	1990	350	0.7	245	ton	215.00	53,000
	1989	580	1.0	580	ton	209.00	121,000
Pasture, irrigated	1990	19,000			*acre	109.00	2,071,000
	1989	19,700			*acre	106.00	2,088,000
other	1990	270,500			*acre	9.00	2,435,000
	1989	270,500			*acre	8.00	2,164,000
Rice	1990	88,750	3.95	350,560	ton	210.00**	73,618,000
	1989	84,450	3.9	330,000	ton	211.00**	69,630,000
Sugar beets	1990	2,130	27.98	59,597	ton	34.55	2,059,000
	1989	2,300	30.00	69,000	ton	32.00	2,208,000
Wheat	1990	11,800	2.6	30,680	ton	97.00	2,976,000
	1989	12,000	1.8	21,600	ton	125.00	2,700,000
Miscellaneous***	1990	4,500					1,830,000
	1989	<u>3,000</u>					<u>1,505,000</u>
Total	1990	412,955					\$90,672,000
	1989	407,830					85,880,000

*Per acre value
 **Adjusted target price
 ***Corn silage, pumpkins, safflower, sorghum, sunflower, other rice, wild rice and crop by-products.

SEED CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Beans, dry	1990	825	1,532	1,264,000	lbs.	.35	\$ 442,000
kidney	1989	1,100	2,050	2,255,000	lbs.	.46	1,037,000
Rice	1990	5,620	7,775	43,696,000	lbs.	.11	4,807,000
	1989	5,780	8,200	47,396,000	lbs.	.09	4,266,000
*Misc.	1990	2,110					1,424,000
	1989	2,240					1,512,000
Total	1990	8,245					\$6,673,000
	1989	9,120					6,815,000

*Alfalfa, barley, beans (other), cantaloupe, clover, cowpea, cucurbits, oats, melon, safflower, squash, sudangrass, sunflower, vetch and wheat.

VEGETABLE CROPS
ACREAGE, PRODUCTION, AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
*Misc.	1990	1,210					\$ 908,000
	1989	1,202					916,000

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

FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Bearing Acreage	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Per Unit	Total
Almond	1990	37,870	.89	33,700	ton	1,825.00	\$ 61,503,000
	1989	38,222	.45	17,200	ton	2,200.00	37,840,000
Hulls	1990			42,118	ton	59.00	2,485,000
	1989			21,484	ton	62.00	1,332,000
Apples (ALL)	1990	150	5.5	825	ton	460.00	380,000
	1989	159	5.6	890	ton	372.00	331,000
Kiwifruit	1990	1,471	7.9	11,621	ton	824.00	9,576,000
	1989	1,462	7.8	11,403	ton	1,470.00	16,762,000
Olives	1990	2,740	4.5	12,330	ton	410.00	5,055,000
	1989	2,641	4.3	11,356	ton	430.00	4,883,000
Oranges	1990	236	2.9	684	ton	285.00	195,000
	1989	236	10.0	2,360	ton	218.00	515,000
Mandarins & Tangerines	1990	56	3.4	190	ton	307.00	58,000
	1989	55	7.8	430	ton	230.00	99,000
Peaches, Clingstone	1990	2,118	17.1	36,218	ton	218.00	7,896,000
	1989	2,071	16.6	34,379	ton	219.00	7,529,000
Prunes, dried	1990	10,071	1.6	16,114	ton	804.00	12,956,000
	1989	9,855	3.3	32,522	ton	755.00	24,554,000
Walnuts, English	1990	14,627	1.45	21,209	ton	1,051.00	22,291,000
	1989	13,573	1.40	19,002	ton	987.00	18,755,000
*Miscellaneous	1990	984					1,215,000
	1989	1,018					1,255,000
Total	1990	70,323					\$123,610,000
	1989	69,292					113,855,000

*Apricots, Avocados, Black Walnuts, Bushberries, Cherries, Feijoa, Grapes, Nectarines, Peaches (freestone), Pears, Pecans, Persimmons, Pistachio, Plums, Strawberries

Acres may vary from State report

NURSERY PRODUCTS
PRODUCTION AREA, SALES AND VALUE

Item	Year	PRODUCTION AREA		Sold By Producers	VALUE	
		House Sq. Ft.	Field Acres		Unit	Total
*Nursery Stock	1990	188,394	69.3	2,821,000	Plants	\$4,735,000
	1989	192,061	47.3	2,202,000	Plants	3,572,000

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

APIARY PRODUCTS
PRODUCTION AND VALUE

Item	Year	Total	PRODUCTION	VALUE	Total
			Unit	Unit	
Pollination	1990	54,420	Colony	27.75	\$1,510,000
	1989	45,460	Colony	27.25	1,239,000
*Other Apiary Products	1990				205,000
	1989				250,000
Total	1990				\$1,715,000
	1989				1,489,000

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

LIVESTOCK AND POULTRY
PRODUCTION AND VALUE

Item	Year	No. of Head	PRODUCTION		VALUE	
			Live Weight	Unit	Per Unit	Total
Cattle and Calves	1990	13,260	79,080	Cwt.	76.43	\$ 6,044,000
	*1989	12,100	75,487	Cwt.	69.58	5,252,000
Sheep, ALL	1990	3,890	5,884	Cwt.	48.60	286,000
	*1989	7,100	8,686	Cwt.	56.07	487,000
Hogs, ALL	1990	13,800	30,222	Cwt.	58.40	1,765,000
	*1989	14,200	31,542	Cwt.	46.30	1,460,000
**Miscellaneous	1990					904,000
	1989					630,000
TOTAL	1990					\$ 8,999,000
	1989					7,829,000

* Recalculated Figures

**Fish, Meat Poultry, Pheasant, Quail, Rabbits, Ducks, Chicken Eggs

LIVESTOCK AND POULTRY PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Milk, Market*	1990	156,540	Cwt.	11.97	\$ 1,874,000
	1989	162,000	Cwt.	12.34	1,999,000
Manufacturing* Milk	1990	185	Cwt.	11.57	2,140
	1989	0			0
Wool	1990	55,000	Lb.	.80	44,000
	1989	56,000	Lb.	1.24	69,000
Total	1990				\$ 1,920,000
	1989				2,068,000

*California Crop and Livestock Reporting Service Figures

HARVESTED TIMBER

Year	Production Board Feet*	Value
**1990	53,541,000	\$11,388,000
**1989	82,299,000	14,364,000

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

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

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1990	1991
Cattle and Calves, ALL	30,000	28,800
Milk Cows	1,400	1,300
Sheep, ALL	5,500	5,000
Hogs, ALL	7,500	7,100

FIVE YEAR SUMMARY OF CROP VALUES

	1986	1987	1988	1989	1990
Field Crops	\$ 53,598,000	\$ 73,454,000	\$ 77,399,500	\$ 85,880,000	\$ 90,672,000
Seed Crops	3,909,000	4,181,000	7,780,000	6,815,000	6,673,000
Vegetable Crops	687,000	756,000	921,000	916,000	908,000
Fruit and Nut Crops	104,715,000	125,007,000	125,156,000	113,855,000	123,610,000
Nursery Stock	2,221,000	2,329,000	2,670,000	3,572,000	4,735,000
Apiary Products	1,242,000	1,696,000	1,298,000	1,489,000	1,715,000
Livestock and Poultry	15,146,000	16,501,000	19,116,000	9,897,000*	10,919,000
Subtotal	\$181,518,000	\$223,924,000*	\$234,340,500	\$222,424,000*	\$239,232,000
Timber	6,688,000	5,693,000	23,109,000	14,364,000	11,388,000
Grand Total	\$188,206,000	\$229,617,000	\$257,449,500	\$236,788,000*	\$250,620,000

* Recalculated Figure for 1989 only

FIVE YEAR SUMMARY OF PLANT CROP ACREAGES

	1986	1987	1988	1989	1990
Field Crops	423,800	421,120	422,510	407,830	412,955
Seed Crops	7,714	7,038	10,484	9,120	8,245
Vegetable Crops	983	1,010	1,230	1,202	1,210
Fruit and Nut Crops	68,309	69,400	68,316	69,292	70,323
Grand Total	500,806	498,568	502,540	487,444	492,733

MILLION DOLLAR CROPS - 1990

	<u>CROP</u>	<u>VALUE</u>
1.	Rice	\$73,618,000
2.	Almonds	61,503,000
3.	Walnuts, English	22,291,000
4.	Prunes	12,956,000
5.	Timber	11,388,000
6.	Kiwifruit	9,576,000
7.	Peaches, Clingstone	7,896,000
8.	Cattle/Calves	6,044,000
9.	Olives	5,055,000
10.	Rice Seed	4,807,000
11.	Nursery Stock	4,735,000
12.	Wheat	2,900,000
13.	Beans, Dry, Edible	2,538,000
14.	Almond Hulls	2,485,000
15.	Dryland Pasture and Range	2,435,000
16.	Pasture, Irrigated	2,071,000
17.	Sugarbeets	2,059,000
18.	Alfalfa Hay	1,949,000
19.	Milk	1,874,000
20.	Field Crops, Miscellaneous	1,830,000
21.	Hogs, All	1,765,000
22.	Apiary Pollination	1,510,000
23.	Seed Crops, Miscellaneous	1,424,000
24.	Fruit and Nut Crops, Miscellaneous	1,215,000

BUTTE COUNTY
ANNUAL SUSTAINABLE AGRICULTURAL REPORT
1990

As a result of recent legislation the Butte County Agriculture Department has prepared its first annual sustainable agriculture report. The intent of the report is to summarize all of the varied activities conducted and methods used to prevent and control the spread of exotic pests in Butte County.

Pest prevention is the preferred method of pest control. The pest detection, pest exclusion, and pest eradication programs serve to protect agricultural, forest, and urban areas from infestations of introduced pests. Through continual monitoring and quick response to small infestations, the department can detect and eliminate potentially damaging pest populations before they require a large scale response.

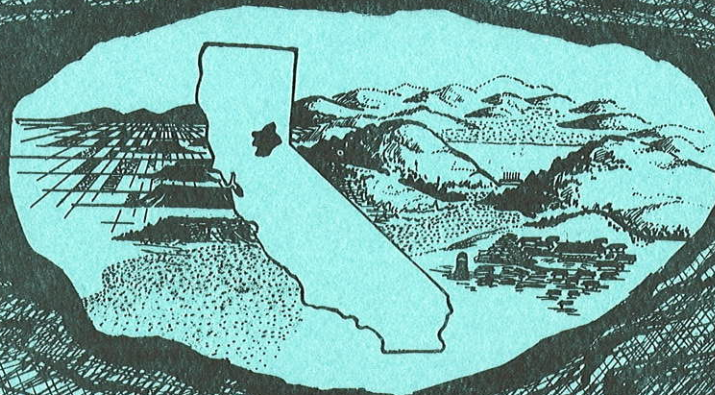
Biological control is the primary component of the county's pest management program because it provides a method of sustainable pest control without any adverse impacts to the environment.

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Program</u>
<u>PEST EXCLUSION</u>		
Exotic Pests	9243 shipments inspected (UPS, Post Office, Federal Express, trucks)	13 rejections
<u>PEST DETECTION</u>		
Gypsy Moth	831 traps placed throughout the County to detect the presence of these pests	One Apple Maggot found.
Medfly		
Oriental Fruit Fly		
Japanese Beetle		
Khapra Beetle		
Apple Maggot		
<u>PEST ERADICATION</u>		
Dalmation Toadflax	Controlled by a combination of mechanical and chemical methods.	26 sites spread throughout the county.
Spotted Knapweed		
Hoary Cress		
Perennial Peppergrass		
White Horsenettle		
Western Grapeleaf Skeletonizer	Larvae Fly & Larvae Wasp <u>Ametadoria misella</u> <u>Apanteles harrisinae</u>	Chico and Oroville areas.
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle	Seed Weevil	2 nursery sites
<u>Centaurea solstitialis</u>	<u>Bangasternus orientalis</u>	Generally distributed at lower elevations.
Klamath Weed	Klamath Beetle	
<u>Hypericum perforatum</u>	<u>Chrysolina gamellata</u>	
Puncture Vine	Stem & Seed Weevils	Generally distributed at lower elevations.
<u>Tribulus terrestris</u>	<u>Microlarinus lypriformis</u>	
Italian Thistle	Seed Head Weevil	Generally distributed at lower elevations.
<u>Carduus tenuiflorus</u>	<u>Rhinocyllus conicus</u>	
<u>Carduus pycnocephalus</u>		

ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	38	2666

Butte County



1991 agricultural crop report

AGRICULTURAL COMMISSIONER



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measurers

DENNIS POOLER
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The Honorable Board of Supervisors
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Starlyn Brown, Acting Chief Administrative Officer

In accordance with provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the Fifty-Third annual crop report of agricultural production in Butte County.

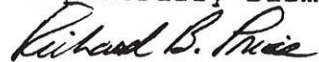
This report is a summary of the acreage, production and gross value of Butte County agricultural products. The values presented in this report are gross values only, and do not reflect net farm income or costs of production and marketing.

The estimated gross value of agricultural production in Butte County in 1991 totaled \$252,471,000. This is a slight increase over the 1990 production total of \$250,620,000.

Effects of the December, 1990 - January, 1991 freezing weather along with the fifth consecutive drought year, have had economic effects on the county. The freeze caused extensive loss to citrus and nursery crops. The drought has continued to have a negative effect on field crops, primarily in reduced rice acreage. There was a significant increase in the production value of the fruit and nut crops, as reflected in the prune crop yield and the per unit value of kiwifruit. Increased timber values provided a slight overall increase in the total county estimated gross value for 1991 .

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/Director

PERSONNEL

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Dennis Pooler
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Harrie Riley
Deputy Agricultural Commissioner

OROVILLE DISTRICT

Paul Bert
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Agricultural Pest Control Worker
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Administrative Svcs. Asst.
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FRUIT AND NUT ACREAGE STATISTICS
1991

Orchard Crops	Bearing Acreage	Non-Bearing Acreage	Total Acreage
Almond	35,019	1,028	36,047
Apples	152	3	155
Apricots	29	0	29
Avocado	3	0	3
Cherries	4	0	4
<u>Citrus</u>			
Mandarins	52	6	58
Navels & Valencias	235	0	235
Grapes (All)	127	1	128
Guava (Feijoa)	43	5	48
Kiwi	1,467	0	1,467
Nectarines	6	1	7
Olives	2,755	41	2,796
Peaches, clingstone	2,224	204	2,428
Peaches, freestone	72	0	72
Pears (All)	6	10	16
Pecans	35	96	131
Persimmons	15	16	31
Pistachio	516	0	516
Plum	4	4	8
Prunes	11,094	385	11,479
Walnuts, English	15,346	1,028	16,374
Walnuts, Black	11	4	15
Total	69,215	2,832	72,047

FIELD CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Acreage	PRODUCTION		Per Unit	VALUE	
			Per Acre	Total		Unit	Total
Barley	1991	1,950	1.1	2,145	ton	116.00	\$ 249,000
	1990	2,400	1.1	2,640	ton	110.00	290,000
Beans, dry edible	1991	3,450	0.89	3,071	ton	601.00	1,846,000
	1990	4,700	.98	4,606	ton	551.00	2,538,000
Corn	1991	900	5.2	4,680	ton	109.00	510,000
	1990	925	3.7	3,423	ton	104.00	356,000
Hay, alfalfa	1991	3,959	7.2	28,505	ton	91.50	2,608,000
	1990	2,850	7.53	21,461	ton	90.80	1,949,000
grain	1991	2,197	3.1	6,811	ton	64.00	436,000
	1990	2,150	2.9	6,235	ton	63.00	393,000
wild	1991	3,000	0.8	2,400	ton	44.00	106,000
	1990	2,900	0.8	2,320	ton	45.00	104,000
Oats	1991	400	0.8	320	ton	190.00	61,000
	1990	350	0.7	245	ton	215.00	53,000
Pasture, irrigated	1991	19,000			*acre	109.00	2,071,000
	1990	19,000			*acre	109.00	2,071,000
other	1991	270,000			*acre	9.00	2,430,000
	1990	270,500			*acre	9.00	2,435,000
Rice	1991	70,900	4.05	287,145	ton	**210.00	60,301,000
	1990	88,750	3.95	350,560	ton	210.00	73,618,000
Sugar beets	1991	2,860	25.6	73,216	ton	34.20	2,504,000
	1990	2,130	27.98	59,597	ton	34.55	2,059,000
Wheat	1991	9,800	2.5	24,500	ton	94.00	2,303,000
	1990	11,800	2.6	30,680	ton	97.00	2,976,000
Miscellaneous ***	1991	4,670					2,150,000
	1990	4,500					1,830,000
Total	1991	393,086					\$77,575,000
	1990	412,955					90,672,000

*Per acre value

**Adjusted target price

***Corn silage, pumpkins, safflower, sorghum, sunflower, other rice, wild rice, crop by-products, etc.

SEED CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Beans, dry kidney	1991	450	1,920	864,000	lbs.	.36	\$ 311,000
	1990	825	1,532	1,264,000	lbs.	.35	442,000
Rice	1991	4,500	8,000	36,000,000	lbs.	.12	4,320,000
	1990	5,620	7,775	43,696,000	lbs.	.11	4,807,000
*Misc.	1991	1,920					1,296,000
	1990	2,110					1,424,000
Total	1991	6,870					\$5,927,000
	1990	8,245					6,673,000

*Barley, beans (other), cantaloupe, clover, cowpea, cucurbits, flowers, oats, melon, safflower, squash, sudangrass, sunflower, vetch and wheat.

VEGETABLE CROPS
ACREAGE, PRODUCTION, AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
*Misc	1991	1,245					\$ 946,000
	1990	1,210					908,000

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

FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Bearing Acreage	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Per Unit	Total
Almond	1991	35,019	.76	26,614	ton	2,201.00	\$ 58,578,000
	1990	37,870	.89	33,700	ton	1,825.00	61,503,000
Hulls	1991			33,267	ton	52.00	1,730,000
	1990			42,118	ton	59.00	2,485,000
Apples (ALL)	1991	152	4.8	730	ton	395.00	288,000
	1990	150	5.5	825	ton	460.00	380,000
Kiwifruit	1991	1,467	5.6	8,215	ton	1,463.00	12,019,000
	1990	1,471	7.9	11,621	ton	824.00	9,576,000
Olives	1991	2,755	1.7	4,683	ton	656.00	3,072,000
	1990	2,740	4.5	12,330	ton	410.00	5,055,000
Oranges	1991	235	No crop produced				
	1990	236	2.9	684	ton	285.00	195,000
Mandarins & Tangerines	1991	52	No crop produced				
	1990	56	3.4	190	ton	307.00	58,000
Peaches, Clingstone	1991	2,224	17.7	39,365	ton	224.00	8,818,000
	1990	2,118	17.1	36,218	ton	218.00	7,896,000
Prunes, dried	1991	11,094	2.8	31,036	ton	899.00	27,926,000
	1990	10,071	1.6	16,114	ton	804.00	12,956,000
Walnuts, English	1991	15,346	1.46	22,405	ton	1,120.00	25,094,000
	1990	14,627	1.45	21,209	ton	1,051.00	22,291,000
*Miscellaneous	1991	1,015					1,321,000
	1990	984					1,215,000
Total	1991	69,359					\$138,846,000
	1990	70,323					123,610,000

*Apricots, Avocados, Black Walnuts, Bushberries, Cherries, Chestnut, Feijoa, Grapes, Nectarines, Peaches (freestone), Pears, Pecans, Persimmons, Pistachio, Plums, Strawberries, etc.

Acres may vary from State Report

NURSERY PRODUCTS
PRODUCTION AREA, SALES AND VALUE

Item	Year	PRODUCTION AREA		Sold By Producers	VALUE	
		House Sq. Ft.	Field Acres		Unit	Total
*Nursery Stock	1991	178,730	52.3	2,163,665	Plants	\$ 3,467,000
	1990	188,394	69.3	2,821,000	Plants	4,735,000

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

APIARY PRODUCTS
PRODUCTION AND VALUE

Item	Year	Total	PRODUCTION	VALUE	Total
			Unit		
Pollination	1991	57,923	Colony	26.50	\$ 1,535,000
	1990	54,420	Colony	27.75	1,510,000
*Other Apiary Products	1991				47,000
	1990				205,000
Total	1991				\$ 1,582,000
	1990				1,715,000

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

LIVESTOCK AND POULTRY
PRODUCTION AND VALUE

Item	Year	No. of Head	PRODUCTION		VALUE	
			Total Live Weight	Unit	Per Unit	Total
Cattle and Calves	1991	13,250	79,500	Cwt.	76.30	\$ 6,066,000
	1990	13,260	79,080	Cwt.	76.43	6,044,000
Sheep, ALL	1991	3,800	5,776	Cwt.	53.80	311,000
	1990	3,890	5,884	Cwt.	48.60	286,000
Hogs, ALL	1991	13,830	30,564	Cwt.	57.90	1,770,000
	1990	13,800	30,222	Cwt.	58.40	1,765,000
*Miscellaneous	1991					1,103,000
	1990					904,000
TOTAL	1991					\$ 9,250,000
	1990					8,999,000

*Fish, Meat Poultry, Pheasant, Quail, Rabbits, Ducks, Chicken Eggs

LIVESTOCK AND POULTRY PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Milk, Market*	1991	162,144	Cwt.	11.19	\$ 1,814,000
	1990	156,540	Cwt.	11.97	1,874,000
Manufacturing* Milk	1991	3,759	Cwt.	10.48	39,000
	1990	185	Cwt.	11.57	2,140
Wool	1991	26,800	Lb.	.93	25,000
	1990	55,000	Lb.	.80	44,000
Total	1991				\$ 1,878,000
	1990				1,920,000

*California Crop and Livestock Reporting Service Figures

HARVESTED TIMBER

Year	Production Board Feet*	Value
**1991	76,200,000	\$ 13,000,000
**1990	53,541,000	11,388,000

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

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

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1991	1992
Cattle and Calves, ALL	28,800	26,000
Milk Cows	1,300	1,300
Sheep, ALL	5,000	5,000
Hogs, ALL	7,100	7,600

FIVE YEAR SUMMARY OF CROP VALUES

	1987	1988	1989	1990	1991
Field Crops	\$ 73,454,000	\$ 77,399,500	\$ 85,880,000	\$ 90,672,000	\$ 77,575,000
Seed Crops	4,181,000	7,780,000	6,815,000	6,673,000	5,927,000
Vegetable Crops	756,000	921,000	916,000	908,000	946,000
Fruit and Nut Crops	125,007,000	125,156,000	113,855,000	123,610,000	138,846,000
Nursery Stock	2,329,000	2,670,000	3,572,000	4,735,000	3,467,000
Apiary Products	1,696,000	1,298,000	1,489,000	1,715,000	1,582,000
Livestock and Poultry	16,501,000	19,116,000	9,897,000*	10,919,000	11,128,000
Subtotal	\$223,924,000	\$234,340,500	\$222,424,000*	\$239,232,000	\$239,471,000
Timber	5,693,000	23,109,000	14,364,000	11,388,000	13,000,000
Grand Total	\$229,617,000	\$257,449,500	\$236,788,000*	\$250,620,000	\$252,471,000

* Recalculated Figure for 1989 only

FIVE YEAR SUMMARY OF PLANT CROP ACREAGES

	1987	1988	1989	1990	1991
Field Crops	421,120	422,510	407,830	412,955	393,086
Seed Crops	7,038	10,484	9,120	8,245	6,870
Vegetable Crops	1,010	1,230	1,202	1,210	1,245
Fruit and Nut Crops	69,400	68,316	69,292	70,323	69,359
Grand Total	498,568	502,540	487,444	492,748	470,560

MILLION DOLLAR CROPS - 1991

	<u>CROP</u>	<u>VALUE</u>
1.	Rice	\$60,301,000
2.	Almonds	58,578,000
3.	Prunes	27,926,000
4.	Walnuts, English	25,094,000
5.	Timber	13,000,000
6.	Kiwifruit	12,019,000
7.	Peaches, Clingstone	8,818,000
8.	Cattle/Calves	6,066,000
9.	Rice Seed	4,320,000
10.	Nursery Stock	3,467,000
11.	Olives	3,072,000
12.	Alfalfa Hay	2,608,000
13.	Sugarbeets	2,504,000
14.	Dryland Pasture and Range	2,430,000
15.	Wheat	2,303,000
16.	Field Crops, Miscellaneous	2,150,000
17.	Pasture, Irrigated	2,071,000
18.	Beans, Dry, Edible	1,846,000
19.	Milk, Market	1,814,000
20.	Hogs, All	1,770,000
21.	Almond Hulls	1,730,000
22.	Apiary Pollination	1,535,000
23.	Fruit and Nut Crops, Miscellaneous	1,321,000
24.	Seed Crops, Miscellaneous	1,296,000
25.	Livestock and Poultry, Miscellaneous	1,103,000

BUTTE COUNTY
ANNUAL SUSTAINABLE AGRICULTURAL REPORT
1991

This report summarizes all of the varied activities conducted and methods used to prevent and control the spread of exotic pests in Butte County.

Pest prevention is the preferred method of pest control. The pest detection, pest exclusion, and pest eradication programs serve to protect agricultural, forest, and urban areas from infestations of introduced pests. Through continual monitoring and quick response to small infestations, the department can detect and eliminate potentially damaging pest populations before they require a large scale response.

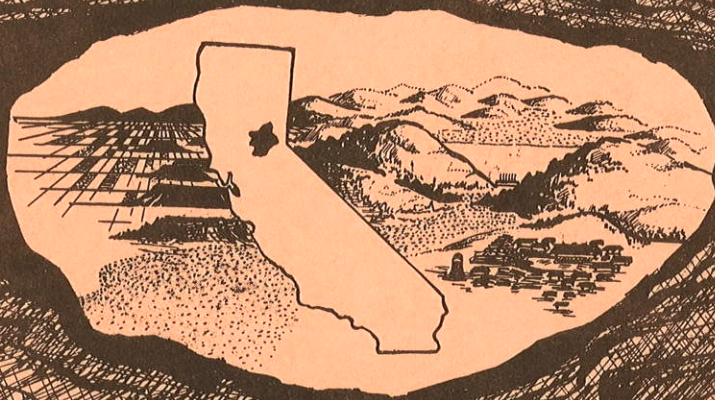
Biological control is the primary component of the county's pest management program because it provides a method of sustainable pest control with a minimum impact to the environment.

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Program</u>
<u>PEST EXCLUSION</u>		
Exotic Pests	13,995 packages inspected (UPS, Post Office, Federal Express, trucks)	41 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth Medfly Oriental Fruit Fly Japanese Beetle Khapra Beetle	782 traps placed throughout the County to detect the presence of these pests.	
<u>PEST ERADICATION</u>		
Dalmation Toadflax Spotted Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Western Grapeleaf Skeletonizer	Controlled by a combination of mechanical and chemical methods. Larvae Fly & Larvae Wasp <u>Ametadoria misella</u> <u>Apanteles harrisinae</u>	26 sites spread throughout the County. Chico/Oroville areas.
<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>	Seed Weevil <u>Bangasternus orientalis</u> Klamath Beetle <u>Chrysoline gemellata</u> Stem & Seed Weevils <u>Microlarinus lypriformis</u> Seed Head Weevil <u>Rhinocyllus conicus</u> A parasitic wasp <u>Encarsia partenopea</u>	nursery site Generally distributed at lower elevations. Generally distributed at lower elevations. Generally distributed at lower elevations. 1 release site

ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	38	2666

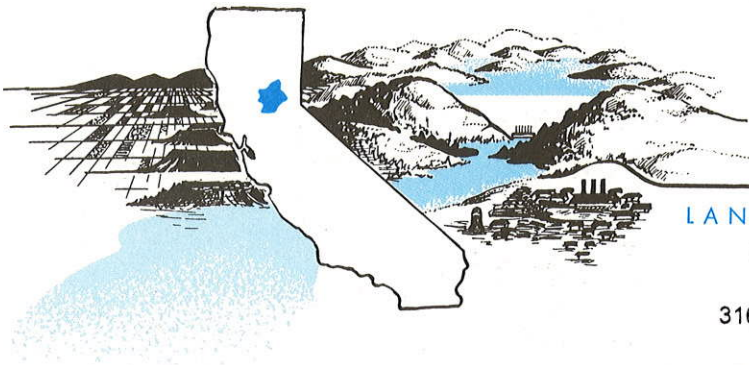
Butte County



1992

agricultural
crop report

AGRICULTURAL COMMISSIONER



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER
WEIGHTS AND MEASURES

316 NELSON AVENUE - OROVILLE, CALIFORNIA 95965-3318
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RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures

DENNIS POOLER
Assistant Agricultural Commissioner/
Weights and Measures

Henry J. Voss, Director
California Department of Food and Agriculture

The Honorable Board of Supervisors
County of Butte

Mary Ann Houx, Chairperson
Ed McLaughlin Bob Meyer
Jane Dolan Gordon Thomas

John Blacklock, Chief Administrative Officer

In accordance with provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the Fifty-Third annual crop report of agricultural production in Butte County.

This report is a summary 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 in 1992 totaled \$275,809,000. This is a 23 million dollar increase over the 1991 production total of \$252,471,00 and the highest gross value ever reported for Butte County.

Nursery stock production showed the greatest percentage increase in the values reports. Fruit and nut, field crops and livestock helped to produce an all time record in crop values for the county. A decline is noted in timber, apiary and seed crops.

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

FRUIT AND NUT ACREAGE STATISTICS
1992

Orchard Crops	Bearing Acreage	Non-Bearing Acreage	Total Acreage
Almond	35,095	1,779	36,874
Apples	155	1	156
Apricots	29	0	29
Avocado	3	0	3
Cherries	4	0	4
<u>Citrus</u>			
Mandarins	53	6	59
Navels & Valencias	236	6	242
Grapes (All)	127	1	128
Guava (Feijoa)	45	0	45
Kiwi	1,464	0	1,464
Nectarines	6	1	7
Olives	2,754	41	2,795
Peaches, clingstone	2,499	39	2,538
Peaches, freestone	72	1	73
Pears (All)	16	0	16
Pecans	35	96	131
Persimmons	24	7	31
Pistachio	516	2	518
Plum	4	4	8
Prunes	11,219	353	11,572
Walnuts, English	15,532	1,124	16,656
Walnuts, Black	11	4	15
Total	69,905	3,465	73,370

FIELD CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Acreage	PRODUCTION		Per Unit	VALUE	
			Per Acre	Total		Unit	Total
Barley	1992	1,300	1.0	1,300	ton	108.00	\$ 140,000
	1991	1,950	1.1	2,145	ton	116.00	249,000
Beans, dry edible	1992	2,100	0.98	2,058	ton	645.00	\$ 1,327,000
	1991	3,450	0.89	3,071	ton	601.00	1,846,000
Corn	1992	900	4.6	4,140	ton	100.00	414,000
	1991	900	5.2	4,680	ton	109.00	510,000
Hay, alfalfa	1992	2,814	6.9	19,363	ton	85.00	1,661,000
	1991	3,959	7.2	28,505	ton	91.50	2,608,000
grain	1992	2,070	3.5	7,245	ton	53.00	384,000
	1991	2,197	3.1	6,811	ton	64.00	436,000
wild	1992	2,900	0.8	2,320	ton	44.00	102,000
	1991	3,000	0.8	2,400	ton	44.00	106,000
Oats	1992	370	0.8	296	ton	115.00	34,000
	1991	400	0.8	320	ton	190.00	61,000
Pasture, irrigated	1992	18,500			*acre	109.00	2,017,000
	1991	19,000			*acre	109.00	2,071,000
other	1992	270,000			*acre	9.00	2,430,000
	1991	270,000			*acre	9.00	2,430,000
Rice	1992	78,700	4.21	331,328	ton	**210.00	69,579,000
	1991	70,900	4.05	287,145	ton	**210.00	60,301,000
Sugar beets	1992	2,260	29.5	66,677	ton	31.90	2,127,000
	1991	2,860	25.6	73,216	ton	34.20	2,504,000
Wheat	1992	10,300	2.3	23,706	ton	105.50	2,501,000
	1991	9,800	2.5	24,500	ton	94.00	2,303,000
Miscellaneous ***	1992	5,557					2,494,000
	1991	4,670					2,150,000
Total	1992	397,771					\$85,210,000
	1991	393,086					77,575,000

*Per acre value

**Adjusted target price

***Corn silage, pumpkins, safflower, sorghum, sunflower, other rice, wild rice, crop by-products, etc.

SEED CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION		Total	VALUE		
		Harvested Acreage	Per Acre		Per Unit	Unit	Total
Beans, dry	1992	770	1,600	1,232,000	lbs.	.38	\$ 468,000
kidney	1991	450	1,920	864,000	lbs.	.36	311,000
Rice	1992	4,075	8,420	34,312,000	lbs.	.125	4,289,000
	1991	4,500	8,000	36,000,000	lbs.	.12	4,320,000
*Misc.	1992	1,510					\$ 501,000
	1991	1,920					1,296,000
Total	1992	6,355					\$5,258,000
	1991	6,870					5,927,000

*Barley, beans (other), cantaloupe, clover, cowpea, cucurbits, flowers, oats, melon, safflower, squash, sudangrass, sunflower, vetch and wheat.

VEGETABLE CROPS
ACREAGE, PRODUCTION, AND VALUE

Crop	Year	PRODUCTION		Total	VALUE		
		Harvested Acreage	Per Acre		Per Unit	Unit	Total
*Misc	1992	1,382					\$1,049,000
	1991	1,245					\$ 946,000

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

FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Bearing Acreage	PRODUCTION			VALUE	
			Per Acre	Total	Unit	Per Unit	Total
Almond	1992	35,095	.70	24,599	ton	2,440.00	\$ 60,022,000
	1991	35,019	.76	26,614	ton	2,201.00	58,578,000
Hulls	1992			30,749	ton	45.00	1,384,000
	1991			33,267	ton	52.00	1,730,000
Apples (ALL)	1992	125	6.0	751	ton	430.00	323,000
	1991	152	4.8	730	ton	395.00	288,000
Kiwifruit	1992	1,464	7.1	10,394	ton	1,090.00	11,329,000
	1991	1,467	5.6	8,215	ton	1,463.00	12,019,000
Olives	1992	2,754	3.8	10,465	ton	597.00	6,248,000
	1991	2,755	1.7	4,683	ton	656.00	3,072,000
Oranges	1992	175	0.7	123	ton	250.00	31,000
	1991	235	No crop produced				
Mandarins & Tangerines	1992	41	6.1	250	ton	400.00	100,000
	1991	52	No crop produced				
Peaches, Clingstone	1992	2,499	19.3	48,232	ton	220.00	10,611,000
	1991	2,224	17.7	39,365	ton	224.00	8,818,000
Prunes, dried	1992	11,219	2.6	29,169	ton	1,000.00	29,169,000
	1991	11,094	2.8	31,036	ton	899.00	27,926,000
Walnuts, English	1992	15,532	1.86	28,889	ton	1,210.00	34,956,000
	1991	15,346	1.46	22,405	ton	1,120.00	25,094,000
*Miscellaneous	1992	978					1,346,000
	1991	1,015					1,321,000
Total	1992	69,882					\$155,519,000
	1991	69,359					\$138,846,000

*Apricots, Avocados, Black Walnuts, Bushberries, Cherries, Chestnut, Feijoa, Grapes, Nectarines, Peaches (freestone), Pears, Pecans, Persimmons, Pistachio, Plums, Strawberries, etc.

Acres may vary from State Report

NURSERY PRODUCTS
PRODUCTION AREA, SALES AND VALUE

Item	Year	PRODUCTION AREA			Unit	VALUE
		House Sq. Ft.	Field Acres	Sold By Producers		Total
*Nursery Stock	1992	249,036	106.0	2,781,000	Plants	\$ 5,085,000
	1991	178,730	52.3	2,163,665	Plants	3,467,000

*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.

APIARY PRODUCTS
PRODUCTION AND VALUE

Item	Year	PRODUCTION		VALUE	
		Total	Unit	Unit	Total
Pollination	1992	51,270	Colony	\$ 28.75	\$ 1,474,000
	1991	57,923	Colony	26.50	1,535,000
*Other Apiary Products	1992				46,000
	1991				47,000
Total	1992				\$ 1,520,000
	1991				1,582,000

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

LIVESTOCK AND POULTRY
PRODUCTION AND VALUE

Item	Year	No. of Head	PRODUCTION		VALUE	
			Total Live Weight	Unit	Per Unit	Total
Cattle and Calves	1992	13,471	80,152	Cwt.	74.50	\$ 5,971,000
	1991	13,250	79,500	Cwt.	76.30	6,066,000
Sheep, ALL	1992	4,081	5,351	Cwt.	62.90	337,000
	1991	3,800	5,776	Cwt.	53.80	311,000
Hogs, ALL	1992	12,960	29,800	Cwt.	45.10	1,344,000
	1991	13,830	30,564	Cwt.	57.90	1,770,000
*Miscellaneous	1992					940,000
	1991					1,103,000
Total	1992					\$8,592,000
	1991					\$ 9,250,000

*Fish, Meat Poultry, Pheasant, Quail, Rabbits, Ducks, Chicken Eggs, etc.

LIVESTOCK AND POULTRY PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Milk, Market*	1992	173,863	Cwt.	11.61	\$ 2,019,000
	1991	162,144	Cwt.	11.19	1,814,000
Manufacturing* Milk	1992	67,816	Cwt.	10.94	742,000
	1991	3,759	Cwt.	10.48	39,000
Wool	1992	26,934	Lb.	.98	26,000
	1991	26,800	Lb.	.93	25,000
Total	1992				\$ 2,787,000
	1991				\$ 1,878,000

*California Crop and Livestock Reporting Service Figures

HARVESTED TIMBER

Year	Production Board Feet*	Value
**1992	38,538,000	\$ 10,789,000
**1991	76,200,000	13,000,000

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

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

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1992	1993
Cattle and Calves, ALL	26,000	23,000
Milk Cows	1,300	1,000
Sheep, ALL	5,000	4,000
Hogs, ALL	7,600	7,800

MILLION DOLLAR CROPS - 1992

	<u>CROP</u>	<u>VALUE</u>
1.	Rice	\$69,579,000
2.	Almonds	60,022,000
3.	Walnuts, English	34,956,000
4.	Prunes	29,169,000
5.	Kiwifruit	11,329,000
6.	Timber	10,789,000
7.	Peaches, Clingstone	10,611,000
8.	Olives	6,248,000
9.	Cattle/Calves	5,971,000
10.	Nursery Stock	5,085,000
11.	Rice Seed	4,289,000
12.	Wheat	2,501,000
13.	Field Crops, Miscellaneous	2,494,000
14.	Dryland Pasture and Range	2,430,000
15.	Sugarbeets	2,127,000
16.	Milk, Market	2,019,000
17.	Pasture, Irrigated	2,017,000
18.	Alfalfa Hay	1,661,000
19.	Apiary Pollination	1,474,000
20.	Almond Hulls	1,384,000
21.	Fruit and Nut Crops, Miscellaneous	1,346,000
22.	Hogs, All	1,344,000
23.	Beans, Dry, Edible,	1,327,000
24.	Vegetable Crops, Miscellaneous	1,049,000

FIVE YEAR SUMMARY OF CROP VALUES

	1988	1989	1990	1991	1992
Field Crops	77,399,500	\$ 85,880,000	\$ 90,672,000	\$ 77,575,000	\$ 85,210,000
Seed Crops	7,780,000	6,815,000	6,673,000	5,927,000	5,258,000
Vegetable Crops	921,000	916,000	908,000	946,000	1,049,000
Fruit and Nut Crops	125,156,000	113,855,000	123,610,000	138,846,000	155,519,000
Nursery Stock	2,670,000	3,572,000	4,735,000	3,467,000	5,085,000
Apiary Products	1,298,000	1,489,000	1,715,000	1,582,000	1,520,000
Livestock and Poultry	19,116,000	9,897,000*	10,919,000	11,128,000	11,379,000
Subtotal	\$234,340,500	\$222,424,000*	\$239,232,000	\$239,471,000	\$265,020,000
Timber	23,109,000	14,364,000	11,388,000	13,000,000	10,789,000
Grand Total	\$257,449,500	\$236,788,000*	\$250,620,000	\$252,471,000	\$275,809,000

* Recalculated Figure for 1989 only

FIVE YEAR SUMMARY OF PLANT CROP ACREAGES

	1988	1989	1990	1991	1992
Field Crops	422,510	407,830	412,955	393,086	397,771
Seed Crops	10,484	9,120	8,245	6,870	6,355
Vegetable Crops	1,230	1,202	1,210	1,245	1,382
Fruit and Nut Crops	68,316	69,292	70,323	69,359	69,882
Grand Total	502,540	487,444	492,748	470,560	475,390

BUTTE COUNTY
1992 ANNUAL 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	43,482 packages inspected (UPS, Post Office, Federal Express, trucks)	23 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Khapra Beetle	637 traps placed throughout the County to detect the presence of these pests.	None of these pests were trapped
<u>PEST ERADICATION</u>		
Dalmation Toadflax Spotted Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Western Grapeleaf Skeletonizer	Controlled by a combination of mechanical chemical methods.	26 sites spread throughout the County
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle	Larvae Fly & Larvae Wasp <u>Ametadoria misella</u> <u>Apanteles harrisinae</u>	Chico/Oroville areas.
<u>Centaurea solstitialis</u>	Seed Weevil	nursery site
Klamath Weed	<u>Bangasterus orientalis</u> Klamath Beetle	Generally distributed
<u>Hypericum perforatum</u>	<u>Chrysoline gemellata</u>	Generally distributed
Puncture Vine	Stem & Seed Weevils	Generally distributed
<u>Tribulus terrestris</u>	<u>Microlarinus lypriformis</u>	Generally distributed
Italian Thistle	Seed Head Weevil	
<u>Carduus tenuiflorus</u>	<u>Rhinocyllus conicus</u>	
<u>Carduus pycnocephalus</u>		
Ash Whitefly	A parasitic wasp	General distribution throughout the County.
<u>Siphoninus phillyreae</u>	<u>Encarsia partenopea</u>	

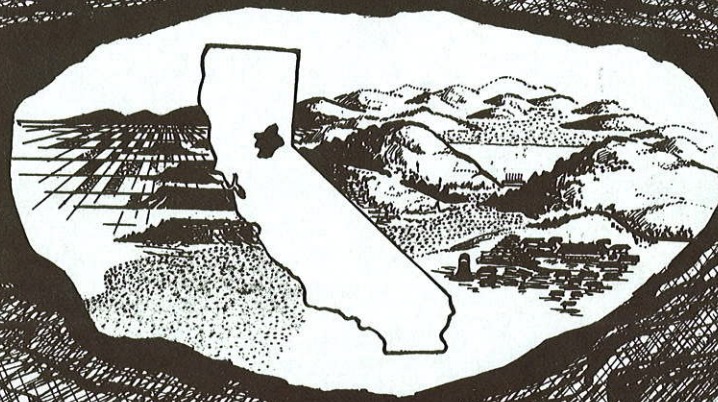
Crops
Various

ORGANIC FARMING STATISTICS

Number of Farms
52

Estimated Acres
2528

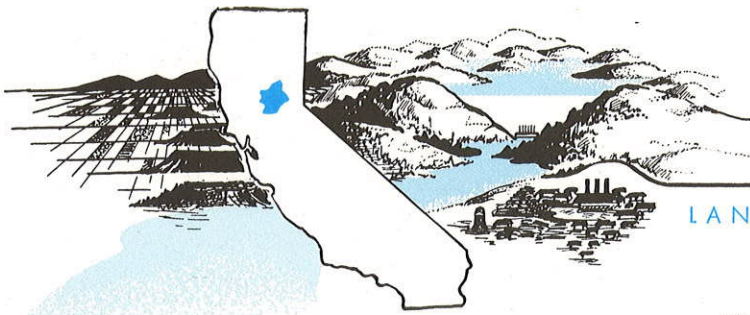
Butte County



1993

agricultural
crop report

AGRICULTURAL COMMISSIONER



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

316 NELSON AVENUE - OROVILLE, CALIFORNIA 95965-3318
TELEPHONE: (916) 538-7381

RICHARD B. PRICE
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Henry J. Voss, Director
California Department of Food and Agriculture

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County of Butte

Ed McLaughlin, Chairperson
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In accordance with provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the Fifty-Fourth annual crop report of agricultural production in Butte County.

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 in 1993 totaled \$325,899,000. This is a 50 million dollar increase over the 1992 production total of \$275,809,000 and the highest gross value ever reported for Butte County.

Timber production showed the greatest percentage increase in the values reported. Fruit and nut crops and nursery stock helped to produce the all time record in crop values for the county. A decline is noted in livestock, apiary and vegetable crops.

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

Dennis Pooler
Assistant Agricultural Commissioner

Harrie D. Riley
Deputy Agricultural Commissioner

OROVILLE DISTRICT

Paul Bert	Agricultural Pest Control Worker
Marie Heinemeyer	Agricultural Pest Control Worker
Marion Brenden	Administrative Svcs. Asst.
Charmaine Damron	Office Assistant II
Betty Din	Office Assistant II

CHICO DISTRICT

Sterling Mattoon	Supervisor-Ag. Biologist
Ken Ewing	Agricultural Biologist III
Robert Voorhees	Agricultural Biologist III
Eric Reusche	Agricultural Biologist III
Robert Hill	Agricultural Biologist II

GRIDLEY DISTRICT

Mike Stewart	Supervisor-Ag. Biologist
Ramon Jauregui	Agricultural Biologist II

FRUIT AND NUT ACREAGE STATISTICS
1993

Orchard Crops	Bearing Acreage*	Non-Bearing Acreage*	Total Acreage*
Almond	36,061	870	36,931
Apples	156	0	156
Apricots	29	0	29
Avocado	3	0	3
Cherries	4	0	4
<u>Citrus</u>			
Mandarins	53	6	59
Navels & Valencias	235	6	241
Grapes (All)	128	3	131
Guava (Feijoa)	45	0	45
Kiwi	1,464	0	1,464
Nectarines	7	0	7
Olives	2,794	3	2,797
Peaches, clingstone	2,540	0	2,540
Peaches, freestone	72	1	73
Pears (All)	16	0	16
Pecans	35	96	131
Persimmons	26	5	31
Pistachio	516	2	518
Plum	4	54	58
Prunes	11,237	336	11,573
Walnuts, English	15,554	1,004	16,558
Walnuts, Black	11	4	15
Total	70,990	2,390	73,380

*Data from California Crop and Livestock Reporting Service

FIELD CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Acreage	PRODUCTION		Per Unit	VALUE	
			Per Acre	Total		Unit	Total
Barley	1993	***					
	1992	1,300	1.0	1,300	ton	108.00	\$ 140,000
Beans, dry edible	1993	2,000	0.97	1,940	ton	659.50	1,280,000
	1992	2,100	0.98	2,058	ton	645.00	1,327,000
Corn	1993	1,052	5.1	5,365	ton	113.50	609,000
	1992	900	4.6	4,140	ton	100.00	414,000
Hay, alfalfa	1993	2,488	6.8	16,918	ton	107.50	1,819,000
	1992	2,814	6.9	19,363	ton	85.00	1,661,000
grain	1993	500	2.4	1,200	ton	53.40	64,000
	1992	2,070	3.5	7,245	ton	53.00	384,000
wild	1993	***					
	1992	2,900	0.8	2,320	ton	44.00	102,000
Oats	1993	***					
	1992	370	0.8	296	ton	115.00	34,000
Pasture, irrigated	1993	18,500			*acre	109.00	2,017,000
	1992	18,500			*acre	109.00	2,017,000
other	1993	270,000			*acre	9.00	2,430,000
	1992	270,000			*acre	9.00	2,430,000
Rice	1993	84,813	4.07	341,119	ton	**210.00	71,635,000
	1992	78,700	4.21	331,328	ton	**210.00	69,579,000
Safflower	1993	1,804	0.87	1,570	ton	300.00	471,000
	1992	****					
Sugarbeets	1993	2,600	24.9	64,734	ton	27.25	1,764,000
	1992	2,260	29.5	66,677	ton	31.90	2,127,000
Wheat	1993	7,550	2.2	16,640	ton	100.75	1,674,000
	1992	10,300	2.3	23,706	ton	105.50	2,501,000
Miscellaneous ***	1993	6,031					2,157,000
	1992	5,557					2,494,000
Total	1993	397,338					\$85,585,000
	1992	397,771					85,210,000

*Per acre value

**Adjusted target price

***Barley, corn silage, oats, pumpkins, sorghum, sunflower, other rice, wild rice, wild hay, crop by-products, etc.

****Reported in miscellaneous for 1992

SEED CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Beans, dry kidney	1993	1,414	1,889	2,671,000	lbs.	.33	\$ 881,000
	1992	770	1,600	1,232,000	lbs.	.38	468,000
Rice	1993	4,547	8,141	37,017,000	lbs.	.12	4,442,000
	1992	4,075	8,420	34,312,000	lbs.	.125	4,289,000
*Misc.	1993	830					248,000
	1992	1,510					501,000
Total	1993	6,791					5,571,000
	1992	6,355					5,258,000

*Barley, beans (other), cantaloupe, cowpea, cucurbits, oats, melon, pumpkin, safflower, squash, sudangrass, sunflower, tomato, vetch and wheat.

VEGETABLE CROPS
ACREAGE, PRODUCTION, AND VALUE

Crop	Year	PRODUCTION		Total	VALUE		
		Harvested Acreage	Per Acre		Per Unit	Unit	Total
*Misc	1993	1,240					\$ 928,000
	1992	1,382					\$1,049,000

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

FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Bearing Acreage	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Per Unit	Total
Almond	1993	36,061	.63	22,718	ton	3,460.00	\$ 78,606,000
	1992	35,095	.70	24,599	ton	2,440.00	\$ 60,022,000
Hulls	1993			28,398	ton	60.00	1,704,000
	1992			30,749	ton	45.00	1,384,000
Apples (All)	1993	125	8.6	1,075	ton	450.00	484,000
	1992	125	6.0	751	ton	430.00	323,000
Kiwifruit	1993	1,464	8.3	12,151	ton	1,200.00	14,581,000
	1992	1,464	7.1	10,394	ton	1,090.00	11,329,000
Olives	1993	2,794	3.1	8,661	ton	521.00	4,512,000
	1992	2,754	3.8	10,465	ton	597.00	6,248,000
Oranges	1993	100	2.5	250	ton	375.00	94,000
	1992	175	0.7	123	ton	250.00	31,000
Mandarins & Tangerines	1993	40	9.2	369	ton	672.00	248,000
	1992	41	6.1	250	ton	400.00	100,000
Peaches, Clingstone	1993	2,540	16.0	40,640	ton	220.00	8,941,000
	1992	2,499	19.3	48,232	ton	220.00	10,611,000
Prunes, dried	1993	11,237	1.6	17,979	ton	1,095.00	19,687,000
	1992	11,219	2.6	29,169	ton	1,000.00	29,169,000
Walnuts, English	1993	15,554	1.75	27,220	ton	1,375.00	37,428,000
	1992	15,532	1.86	28,889	ton	1,210.00	34,956,000
*Miscellaneous	1993	941					2,349,000
	1992	978					1,346,000
Total	1993	70,856					\$168,634,000
	1992	69,882					\$155,519,000

*Apricots, Avacados, Black Walnuts, Bushberries, Cherries, Chestnut, Grapes, Nectarines, Peaches (freestone), Pears, Pecans, Persimmons, Pistachio, Plums, Strawberries, etc.

Acres may vary from State Report.

NURSERY PRODUCTS
PRODUCTION AREA, SALES AND VALUE

Item	Year	PRODUCTION AREA		Sold By Producers	VALUE	
		House Sq. Ft.	Field Acres		Unit	Total
*Nursery	1993	244,796	83.0	2,987,951	Plants	\$6,351,000
Stock	1992	249,036	+60.4	2,781,000	Plants	5,085,000

*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.

+Note - 1992 Field acres is a corrected figure.

APIARY PRODUCTS
PRODUCTION AND VALUE

Item	Year	PRODUCTION		VALUE	
		Total	Unit	Unit	Total
Pollination	1993	48,049	Colony	\$ 30.51	\$ 1,466,000
	1992	51,270	Colony	28.75	1,474,000
*Other Apiary Products	1993				42,000
	1992				46,000
Total	1993				\$ 1,508,000
	1992				1,520,000

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

LIVESTOCK AND POULTRY
PRODUCTION AND VALUE

Item	Year	No. of Head	PRODUCTION		VALUE	
			Total Live Weight	Unit	Per Unit	Total
Cattle and Calves	1993	8,894	53,364	Cwt.	79.40	\$ 4,237,000
	1992	13,471	80,152	Cwt.	74.50	\$ 5,971,000
Sheep, ALL	1993	2,665	3,308	Cwt.	67.10	222,000
	1992	4,081	5,351	Cwt.	62.90	337,000
Hogs, ALL	1993	12,700	29,845	Cwt.	48.00	1,433,000
	1992	12,960	29,800	Cwt.	45.10	1,344,000
*Miscellaneous	1993					925,000
	1992					940,000
Total	1993					\$6,817,000
	1992					8,592,000

*Fish, Meat Poultry, Pheasant, Quail, Rabbits, Ducks, Chicken Eggs, etc.

LIVESTOCK PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Milk, Market*	1993	145,319	Cwt.	11.43	\$ 1,661,000
	1992	173,863	Cwt.	11.61	\$ 2,019,000
Manufacturing* Milk	1993	57,104	Cwt.	11.05	631,000
	1992	67,816	Cwt.	10.94	742,000
Wool	1993	24,000	Lb.	.39	9,000
	1992	26,934	Lb.	.98	26,000
Total	1993				\$ 2,301,000
	1992				2,787,000

*California Crop and Livestock Reporting Service Figures

HARVESTED TIMBER

Year	Production Board Feet*	Value
**1993	96,522,000	\$ 50,505,000
**1992	38,538,000	\$ 10,789,000

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

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

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1993	1994
Cattle and Calves, ALL	23,000	24,000
Milk Cows	1,000	1,000
Sheep, ALL	4,000	2,800
Hogs, ALL	7,800	7,600

MILLION DOLLAR CROPS - 1992

	<u>CROP</u>	<u>VALUE</u>
1.	Almonds	\$78,606,000
2.	Rice	71,635,000
3.	Timber	50,505,000
4.	Walnuts, English	37,428,000
5.	Prunes	19,687,000
6.	Kiwifruit	14,581,000
7.	Peaches, Clingstone	8,941,000
8.	Nursery Stock	6,351,000
9.	Olives	4,512,000
10.	Rice Seed	4,442,000
11.	Cattle/Calves	4,237,000
12.	Dryland Pasture and Range	2,430,000
13.	Fruit and Nut Crops, Miscellaneous	2,349,000
14.	Field Crops, Miscellaneous	2,157,000
15.	Pasture, Irrigated	2,017,000
16.	Alfalfa Hay	1,819,000
17.	Sugarbeets	1,764,000
18.	Almond Hulls	1,704,000
19.	Wheat	1,674,000
20.	Milk, Market	1,661,000
21.	Apiary Pollination	1,520,000
22.	Hogs, All	1,433,000
23.	Beans, Dry, Edible,	1,280,000

FIVE YEAR SUMMARY OF CROP VALUES

	1989	1990	1991	1992	1993
Field Crops	\$ 85,880,000	\$ 90,672,000	\$ 77,575,000	\$ 85,210,000	\$ 85,585,000
Seed Crops	6,815,000	6,673,000	5,927,000	5,258,000	5,571,000
Vegetable Crops	916,000	908,000	946,000	1,049,000	928,000
Fruit and Nut Crops	113,855,000	123,610,000	138,846,000	155,519,000	168,634,000
Nursery Stock	3,572,000	4,735,000	3,467,000	5,085,000	6,351,000
Apiary Products	1,489,000	1,715,000	1,582,000	1,520,000	1,508,000
Livestock and Poultry	9,897,000*	10,919,000	11,128,000	11,379,000	6,817,000
Subtotal	\$222,424,000*	\$239,232,000	\$239,471,000	\$265,020,000	275,394,000
Timber	14,364,000	11,388,000	13,000,000	10,789,000	50,505,000
Grand Total	\$236,788,000*	\$250,620,000	\$252,471,000	\$275,809,000	325,899,000

* Recalculated Figure for 1989 only

FIVE YEAR SUMMARY OF PLANT CROP ACREAGES

	1989	1990	1991	1992	1993
Field Crops	407,830	412,955	393,086	397,771	397,338
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Vegetable Crops	1,202	1,210	1,245	1,382	1,240
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Grand Total	487,444	492,748	470,560	475,390	476,225

BUTTE COUNTY
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Biological control provides a method of sustainable pest control with a minimum impact to the environment.
Scope of Program

PEST EXCLUSION
Exotic Pests

24,833 packages inspected (UPS, Post Office, Federal Express, trucks)

PEST DETECTION

Gypsy Moth, Medfly, Japanese Beetle, Khapra Beetle

PEST ERADICATION

Dalmation Toadflax
Spotted Knapweed
Hoary Cress
Perennial Peppergrass
White Horsenettle
Western Grapeleaf Skeletonizer

616 traps placed throughout the County to detect the presence of these pests.

Controlled by a combination of mechanical chemical methods.

Larvae Fly & Larvae Wasp
Ametadoria misella
Apantelas harrisinae

Chico/Oroville areas.

PEST MANAGEMENT - BIOLOGICAL CONTROL

Yellowstar Thistle
Centaurea solstitialis
Klamath Weed
Hypericum perforatum
Puncture Vine
Tribulus terrestris
Italian Thistle
Carduus tenuiflorus
Carduus pycnocephalus
Ash Whitefly
Siphoninus phillyreae

Seed Weevil (3 Genus)

Bangastermus/Urophora/Eustenopus
Klamath Beetle

Chrysoline gemellata
Stem & Seed Weevils

Microlarinus lypriformis
Seed Head Weevil

Rhinocyllus conicus

A parasitic wasp

Encarsia partenopea

nursery site

Generally distributed

Generally distributed

Generally distributed

General distribution throughout the County.

Crops
Various

ORGANIC FARMING STATISTICS

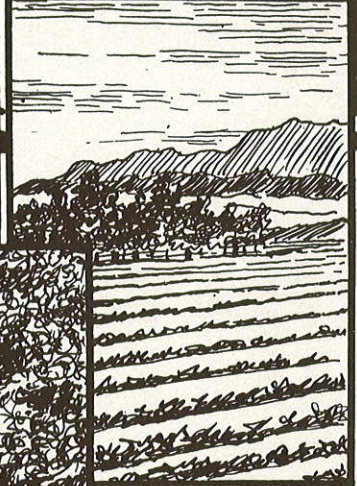
Number of Farms
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Estimated Acres
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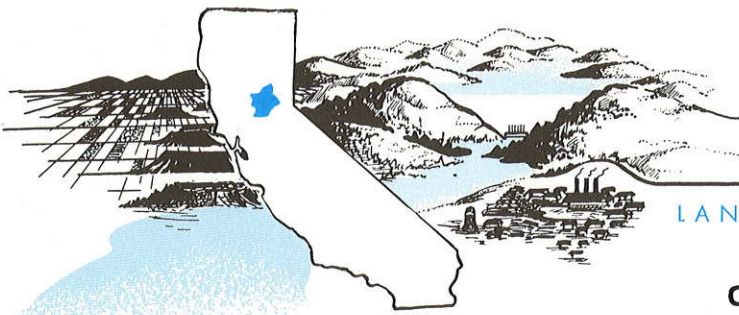
BUTTE COUNTY

AGRICULTURAL CROP REPORT

1994



AGRICULTURAL COMMISSIONER



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

316 NELSON AVENUE - OROVILLE, CALIFORNIA 95965-3318
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Rice production showed the greatest percentage increase in the values reported. Seed production, nursery and livestock helped to produce the all time record in crop values for the county. A decline is noted in fruit and nut crops, apiary and timber 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

Marion Brenden
Charmaigne Damron
Cheryl Paul
Marie Heinemeyer

Administrative Svcs. Asst.
Office Assistant II
Office Assistant I
Ag/W&M Inspector

CHICO DISTRICT

Robert Voorhees
Ken Ewing
Robert Hill
Mary Davis
Stephen Scheer
Stephen Weston

Supervisor-Ag. Biologist
Agricultural Biologist III
Agricultural Biologist III
Agricultural Biologist I
Agricultural Biologist I
Agricultural Biologist I

GRIDLEY DISTRICT

Mike Stewart
Ramon Jauregui

Supervisor-Ag. Biologist
Agricultural Biologist III

FRUIT AND NUT ACREAGE STATISTICS
1994

Orchard Crops	Bearing Acreage*	Non-Bearing Acreage*	Total Acreage*
Almond	35,970	2,155	38,125
Apples	174	0	174
Apricots	29	0	29
Avocado	3	0	3
Cherries	4	0	4
<u>Citrus</u>			
Mandarins	52	6	58
Navels & Valencias	236	6	242
Grapes (All)	128	3	131
Guava (Feijoa)	45	0	45
Kiwi	1,441	0	1,441
Nectarines	7	0	7
Olives	3,130	3	3,133
Peaches, clingstone	2,503	0	2,503
Peaches, freestone	62	1	63
Pears (All)	16	0	16
Pecans	33	96	129
Persimmons	31	5	36
Pistachio	537	58	595
Plum	8	50	58
Prunes	10,269	1,489	11,758
Walnuts, English	15,711	1,790	17,501
Walnuts, Black	11	0	11
Total	70,400	5,662	76,062

*Data from California Crop and Livestock Reporting Service

FIELD CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Acreage	PRODUCTION		Per Unit	VALUE	
			Per Acre	Total		Unit	Total
Barley	1994	1,357	1.2	1,628	ton	98.25	\$ 160,000
	1993	***					
Beans, dry edible	1994	2,776	1.04	2,877	ton	613.66	1,766,000
	1993	2,000	0.97	1,940	ton	659.50	1,280,000
Corn	1994	595	4.4	2,618	ton	102.40	268,000
	1993	1,052	5.1	5,365	ton	113.50	609,000
Hay, alfalfa	1994	2,360	6.7	15,182	ton	106.00	1,676,000
	1993	2,488	6.8	16,918	ton	107.50	1,819,000
grain	1994	1,573	3.4	5,340	ton	76.50	409,000
	1993	500	2.4	1,200	ton	53.40	64,000
Pasture, irrigated	1994	18,500			*acre	109.00	2,017,000
	1993	18,500			*acre	109.00	2,017,000
other	1994	270,000			*acre	9.00	2,430,000
	1993	270,000			*acre	9.00	2,430,000
Rice	1994	95,100	4.14	393,714	ton	**210.00	82,680,000
	1993	84,813	4.07	341,119	ton	**210.00	71,635,000
Safflower	1994	1,513	0.65	984	ton	290.00	285,000
	1993	1,804	0.87	1,570	ton	300.00	471,000
Sugarbeets	1994	1,735	32.7	56,750	ton	32.00	1,816,000
	1993	2,600	24.9	64,734	ton	27.25	1,764,000
Wheat	1994	6,691	2.8	18,735	ton	106.70	1,999,000
	1993	7,550	2.2	16,640	ton	100.75	1,674,000
Miscellaneous	1994	5,047					2,988,000
	1993	6,031					2,157,000
Total	1994	407,247					\$98,494,000
Total	1993	397,338					85,585,000

*Per acre value
 **Adjusted target price
 ***Barley, corn silage, cotton, oats, pumpkins, sorghum, sunflower, other rice, wild rice, wild hay, crop by-products, etc.

SEED CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Beans, dry	1994	1,825	2,093	3,820,000	lbs.	.32	\$1,222,000
kidney	1993	1,414	1,889	2,671,000	lbs.	.33	881,000
Rice	1994	4,872	8,280	40,340,000	lbs.	.125	5,043,000
	1993	4,547	8,141	37,017,000	lbs.	.12	4,442,000
*Misc.	1994	1,159					963,000
	1993	830					248,000
Total	1994	7,856					\$ 7,228,000
	1993	6,791					5,571,000

*Barley, beans (other), cucurbits, oats, melons, pumpkin, safflower, squash, sudangrass, sunflower, tomato, triticale, vetch, and wheat.

VEGETABLE CROPS
ACREAGE, PRODUCTION, AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
*Misc	1994	1,315					\$ 977,000
	1993	1,240					\$ 928,000

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

LIVESTOCK AND POULTRY
PRODUCTION AND VALUE

Item	Year	No. of Head	PRODUCTION		VALUE	
			Total Live Weight	Unit	Per Unit	Total
Cattle and Calves	1994	12,329	73,974	Cwt.	69.20	\$ 5,119,000
	1993	8,894	53,364	Cwt.	79.40	4,237,000
Sheep, ALL	1994	1,419	1,768	Cwt.	65.60	116,000
	1993	2,665	3,308	Cwt.	67.10	222,000
Hogs, ALL	1994	12,450	28,641	Cwt.	47.10	1,349,000
	1993	12,700	29,845	Cwt.	48.00	1,433,000
*Miscellaneous	1994					906,000
	1993					925,000
Total	1994					\$7,490,000
	1993					6,817,000

*Fish, Meat Poultry, Pheasant, Quail, Rabbits, Ducks, Chicken Eggs, etc.

LIVESTOCK PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Milk, Market*	1994	143,546	Cwt.	12.32	\$ 1,769,000
	1993	145,319	Cwt.	11.43	1,661,000
Manufacturing* Milk	1994	2,359	Cwt.	10.19	24,000
	1993	57,104	Cwt.	11.05	631,000
Wool	1994	6,000	Lb.	.51	3,000
	1993	24,000	Lb.	.39	9,000
Total	1994				\$ 1,796,000
	1993				2,301,000

*California Crop and Livestock Reporting Service Figures

MILLION DOLLAR CROPS - 1994

	<u>CROP</u>	<u>VALUE</u>
1.	Rice	\$82,680,000
2.	Almonds	75,106,000
3.	Timber	48,700,000
4.	Prunes	26,957,000
5.	Walnuts, English	25,672,000
6.	Kiwifruit	14,212,000
7.	Peaches, Clingstone	7,779,000
8.	Nursery Stock	6,400,000
9.	Cattle/Calves	5,119,000
10.	Rice Seed	5,043,000
11.	Field Crops, Miscellaneous	2,988,000
12.	Olives	2,772,000
13.	Dryland Pasture and Range	2,430,000
14.	Almond Hulls	2,347,000
15.	Pasture, Irrigated	2,017,000
16.	Wheat	1,999,000
17.	Fruit and Nut Crops, Miscellaneous	1,969,000
18.	Sugarbeets	1,816,000
19.	Milk, Market	1,769,000
20.	Beans, Dry, Edible	1,766,000
21.	Alfalfa Hay	1,676,000
22.	Apiary Pollination	1,464,000
23.	Hogs, All	1,349,000
24.	Bean Seed, Dry, Edible	1,222,000

HARVESTED TIMBER

Year	Production Board Feet*	Value
**1994	97,700,000	\$ 48,700,000
**1993	96,522,000	50,505,000

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

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

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1994	1995
Cattle and Calves, ALL	24,000	21,000
Milk Cows	1,000	1,400
Sheep, ALL	2,800	3,000
Hogs, ALL	7,600	7,500

BUTTE COUNTY 1994 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	22,694 packages inspected (UPS, Post Office, Federal Express, trucks)	20 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle	616 traps placed throughout the County to detect the presence of these pests.	None of these pests were trapped
<u>PEST ERADICATION</u>		
Dalmatian Toadflax Spotted Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Western Grapeleaf Skeletonizer	Controlled by a combination of mechanical and chemical methods.	26 sites spread throughout the County
Larvae Fly & Larvae Wasp <u>Ametadoria misella</u> <u>Apanteles harrisinae</u>		Chico/Oroville areas.
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaura 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>	Seed Weevils (3 Genus) <u>Bangasterus/Urophora/Eustenopus</u> Klamath Beetle <u>Chrysoline gemellata</u> Stem & Seed Weevils <u>Microlarinus lypriformis</u> Seed Head Weevil <u>Rhinocyllus conicus</u> A parasitic wasp <u>Encarsia partenopea</u>	Nursery sites Generally distributed Generally distributed Generally distributed General distribution throughout the County.

ORGANIC FARMING STATISTICS

Number of Farms 47
Estimated Acres 2409

Crops
Various

FIVE YEAR SUMMARY OF CROP VALUES

	1990	1991	1992	1993	1994
Field Crops	\$ 90,672,000	\$ 77,575,000	\$ 85,210,000	\$ 85,585,000	\$ 98,494,000
Seed Crops	6,673,000	5,927,000	5,258,000	5,571,000	7,228,000
Vegetable Crops	908,000	946,000	1,049,000	928,000	977,000
Fruit and Nut Crops	123,610,000	138,846,000	155,519,000	168,634,000	157,459,000
Nursery Stock	4,735,000	3,467,000	5,085,000	6,351,000	6,400,000
Apiary Products	1,715,000	1,582,000	1,520,000	1,508,000	1,499,000
Livestock and Poultry	10,919,000	11,128,000	11,379,000	9,118,000*	9,286,000
Subtotal	\$239,232,000	\$239,471,000	\$265,020,000	277,695,000	281,343,000
Timber	11,388,000	13,000,000	10,789,000	50,505,000	48,700,000
Grand Total	\$250,620,000	\$252,471,000	\$275,809,000	\$328,200,000*	\$330,043,000

*Recalculated Figure for 1993 only

FIVE YEAR SUMMARY OF PLANT CROP ACREAGES

	1990	1991	1992	1993	1994
Field Crops	412,955	393,086	397,771	397,338	407,247
Seed Crops	8,245	6,870	6,355	6,791	7,856
Vegetable Crops	1,210	1,245	1,382	1,240	1,315
Fruit and Nut Crops	70,323	69,359	69,882	70,856	70,231
Grand Total	492,748	470,560	475,390	476,225	486,649