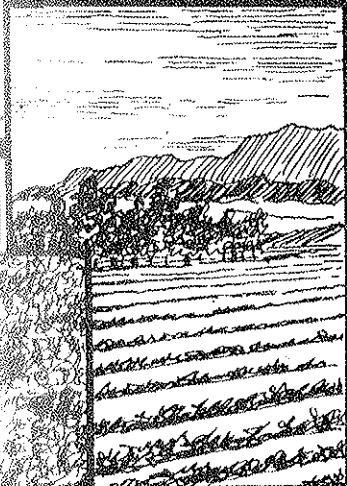


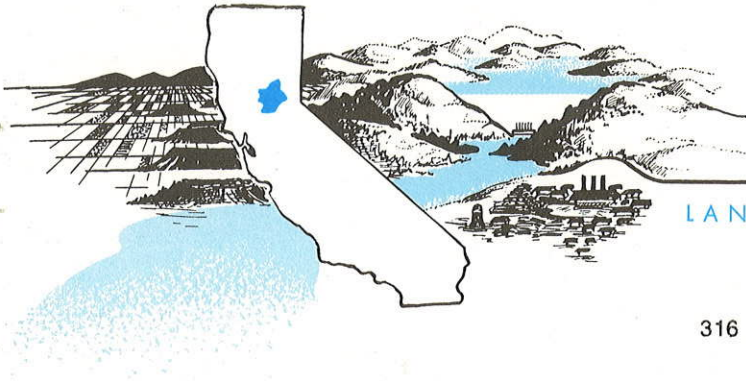
BUTTE COUNTY

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
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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

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>Microleptus lypriformis</u>	Generally distributed at lower elevations.
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