



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

**OFFICES OF AGRICULTURAL COMMISSIONER
WEIGHTS AND MEASURES
AIR POLLUTION CONTROL**

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JOE E. BANDY
Agricultural Commissioner
Air Pollution Control Officer
Sealer of Weights and Measures

DENNIS POOLER
Assistant Agricultural Commissioner

CLARE L. BERRYHILL, DIRECTOR
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

THE HONORABLE BOARD OF SUPERVISORS
COUNTY OF BUTTE

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In compliance with the requirement of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the forty-eighth annual Crop Report of Agricultural Production in Butte County for the year 1986.

The 1986 estimated gross value of agricultural products produced on 500,806 acres totaled \$187,177,000. This is an increase of \$18,435,000 from the 1985 production year total of \$168,742,000 which was produced on 508,722 acres.

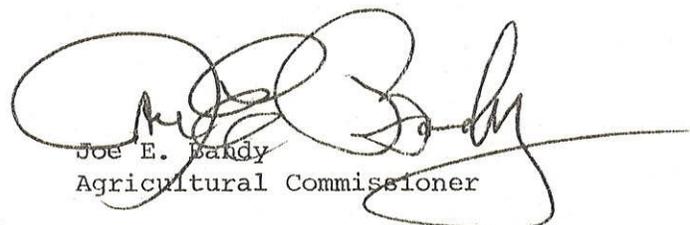
Agriculture continues to be the leading industry in the county; however, with a few notable exceptions, lower prices for agricultural commodities and increased production costs have caused a continued decline in net income for producers. The crop which is primarily responsible for the gross income increase in Butte County in 1986 was almonds. During the past year there was an increase in bearing acreage and a significant price increase resulting in an increased value for almonds of \$21,653,000 over the 1985 value. Walnuts, kiwis, rice, sugarbeets and new production of feijoas also produced gains in 1986 over the previous year's production.

Income losses can be attributed to decreases in acreage, lower production and decreased prices. The spring of 1986 brought severe flooding to Butte County directly damaging some crops in the flood zone and those orchard crops in bloom and created continuing problems for many other crops.

Please note that gross values are utilized in this report and they do not reflect the actual net returns to producers.

The finalizing and issuance of a meaningful report on diversified agricultural production requires the combined efforts of many. I wish to extend my appreciation to the many producers, processors and agencies, both private and governmental, and to my staff, with special thanks to Dennis Pooler and Harrie Riley for their efforts in the compilation of this report.

Respectfully submitted,



Joe E. Bandy
Agricultural Commissioner

PERSONNEL

Joe E. Bandy
Agricultural Commissioner

Dennis Pooler
Assistant Agricultural Commissioner

Harrie Riley
Deputy Agricultural Commissioner

OROVILLE DISTRICT

Tom Dowd	Agricultural Biologist III
Paul Bert	Agricultural Pest Control Worker
Mark Brown	Agricultural Pest Control Worker
David Castillo	Agricultural Pest Control Worker
John Rogers	Hunter/Trapper
Marion Brenden	Secretary I
Charmaigne Damron	Typist Clerk II

CHICO DISTRICT

Sterling Mattoon	Senior Agricultural Biologist
Robert Voorhees	Agricultural Biologist III
Robert Dodd	Agricultural Biologist II
Julie Robbins	Typist Clerk I

GRIDLEY DISTRICT

Mike Stewart	Senior Agricultural Biologist
Nick Surjan	Agricultural Biologist III

CROP SUMMARY
1986

FIELD CROPS

Overall values declined by \$1,262,000 with barley, grain sorghum and hay showing minor decreases; corn and wheat showed major decreases. Rice values increased and sugarbeets increased in value due to increased acreage.

SEED CROPS

Values were generally down significantly due to lower price and acreage reductions.

VEGETABLE CROPS

Values were down slightly due to decreased acreage.

FRUIT AND NUT CROPS

Values increased \$26,202,000, with almonds showing the largest increase, \$21,653,000, due to increased acreage and significantly higher price: Kiwi values increased due to increased acreage coming into production. Walnut values were higher due to increased acreage and price. Olives, clingstone peaches, prunes and miscellaneous fruit and nut crops showed a decline in value due to lower production caused primarily by inclement spring weather.

NURSERY STOCK

Values were up slightly due to increased prices.

APIARY PRODUCTS

Values declined slightly due to a decrease in sales of queen and package bees.

LIVESTOCK AND POULTRY

Values were down \$2,939,000 with cattle and calves, poultry products and dairy products showing decreases.

TIMBER HARVEST

Value of timber products declined by \$724,000.

The total 1986 agricultural commodity value increased by \$18,435,000 from the previous year. This increase is primarily accounted for by the increase in price for almonds.

FIELD CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	Acreage	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Per Unit	Total
Barley	1986	4,500	1.5	6,750	ton	90.00	\$ 608,000
	1985	5,300	1.6	8,500	ton	105.00	893,000
Beans, dry edible	1986	4,900	.93	4,560	ton	690.00	3,145,000
	1985	6,300	.99	6,240	ton	517.00	3,226,000
Corn	1986	2,000	3.8	7,600	ton	80.00	608,000
	1985	2,900	3.9	11,310	ton	98.00	1,108,000
Hay, alfalfa	1986	2,900	5.9	17,110	ton	80.00	1,369,000
	1985	3,100	6.3	19,530	ton	86.00	1,680,000
grain	1986	3,900	2.2	8,580	ton	53.00	455,000
	1985	3,700	2.25	8,330	ton	60.00	500,000
wild	1986	4,000	1.0	4,000	ton	40.00	160,000
	1985	4,000	1.3	5,200	ton	43.00	224,000
Oats	1986	800	1.0	800	ton	127.00	102,000
	1985	800	.96	770	ton	129.00	99,000
Pasture irrigated	1986	19,700			*acre	106.00	2,088,000
	1985	19,700			*acre	106.00	2,088,000
Other	1986	290,000			*acre	6.00	1,740,000
	1985	290,000			*acre	6.00	1,740,000
Rice	1986	71,200	3.75	267,000	ton	138.00	36,846,000
	1985	72,200	3.78	273,360	ton	131.00	35,810,000
Sorghum, grain	1986	1,500	2.45	3,680	ton	70.00	258,000
	1985	2,400	2.4	5,760	ton	84.00	484,000
Sugar Beets	1986	2,300	24.34	55,980	ton	30.50	1,707,000
	1985	1,300	24.69	32,100	ton	31.90	1,024,000
Wheat	1986	12,500	2.1	26,250	ton	85.00	2,231,000
	1985	15,500	2.3	35,650	ton	106.00	3,779,000
**Miscellaneous	1986	3,600					2,281,000
	1985	3,800					2,205,000
Total	1986	423,800					\$53,598,000
	1985	431,000					54,860,000

* Per acre value

** Corn silage, safflower, sunflower, wild rice and field crop by-products.

SEED CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Barley	1986*						
	1985	700	2,400	1,680,000	lb.	.09	\$ 151,000
Beans	1986	1,061	1,690	1,793,000	lb.	.27	484,000
	1985	1,530	1,729	2,646,000	lb.	.33	873,000
Rice	1986	4,082	8,000	32,656,000	lb.	.08	2,613,000
	1985	5,621	7,600	42,720,000	lb.	.11	4,699,000
Vetch	1986*						
	1985	650	818	532,000	lb.	.19	101,000
Wheat	1986*						
	1985	1,200	2,194	2,633,000	lb.	.06	158,000
**Misc.	1986	2,571					812,000
	1985	<u>1,316</u>					<u>658,000</u>
Total	1986	7,714					\$3,909,000
	1985	11,017					6,640,000

*Included under miscellaneous to protect individual operations
 **Barley, cantaloupe, clover, cowpea, cucurbits, oats, safflower, sudan and sunflower

VEGETABLE CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
*Misc.	1986	983					\$687,000
	1985	1,084					797,000

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

FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			Unit	VALUE	
		Bearing Acreage	Per Acre	Total		Per Unit	Total
Almond	1986	38,543	.33	12,719	ton	4,000.00	\$50,876,000
	1985	37,676	.6	22,479	ton	1,300.00	29,223,000
Hulls	1986			15,555	ton	45.00	700,000
	1985			27,474	ton	45.00	1,236,000
Apples (ALL)	1986	183	9.2	1,684	ton	400.00	674,000
	1985	191	6.1	1,165	ton	212.00	247,000
Kiwifruit	1986	1,154	5.2	6,001	ton	1,950.00	11,702,000
	1985	786	5.82	4,575	ton	1,920.00	8,784,000
Olives	1986	2,633	2.2	5,793	ton	420.00	2,433,000
	1985	2,633	2.4	6,316	ton	414.00	2,615,000
Oranges	1986	242	8.4	2,033	ton	290.00	590,000
	1985	239	5.77	1,380	ton	359.00	495,000
Mandarins & Tangerines	1986	55	7.1	391	ton	309.00	121,000
	1985	55	4.3	237	ton	420.00	100,000
Peaches, Clingstone	1986	2,003	15.7	31,447	ton	167.00	5,252,000
	1985	1,934	16.9	32,687	ton	185.00	6,047,000
Prunes, dried	1986	8,630	1.8	15,534	ton	770.00	11,961,000
	1985	8,564	2.36	20,186	ton	629.00	12,697,000
Walnuts, English	1986	13,729	1.4	19,221	ton	1,000.00	19,221,000
	1985	12,515	1.65	20,650	ton	761.00	15,715,000
*Miscellaneous	1986	1,137					1,185,000
	1985	1,028					1,354,000
Total	1986	68,309					\$104,715,000
	1985	65,621					78,513,000

*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			VALUE	
		House Sq.Ft.	Field Acres	Sold By Producers	Unit	Total
*Nursery Stock	1986	101,320	32.5	2,064,000	plants	\$2,221,000
	1985	85,000	75.0	5,113,000	plants	2,104,000

*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	PRODUCTION		VALUE	
		Total	Unit	Unit	Total
Honey	1986	5,200	lb.	.73	\$ 3,800
	1985	8,300	lb.	.58	4,800
Beeswax	1986	1,640	lb.	.73	1,200
	1985	4,200	lb.	1.00	4,200
Package Bees	1986	51,650	lb.	4.75	245,000
	1985	63,450	lb.	5.07	322,000
Queen Bees	1986	27,950	each	5.51	154,000
	1985	34,800	each	5.78	201,000
Pollination	1986	39,904	colony	21.00	838,000
	1985	41,040	colony	20.17	828,000
Total	1986				\$1,242,000
	1985				1,360,000

LIVESTOCK AND POULTRY
PRODUCTION AND VALUE

Item	Year	PRODUCTION			VALUE	
		No. of Head	Total Live Weight	Unit	Per Unit	Total
Cattle and Calves	1986	27,000	216,000	Cwt	47.70	\$10,303,000
	1985	30,000	240,000	Cwt	48.80	11,712,000
Sheep and Lambs	1986	7,600	8,360	Cwt	68.60	574,000
	1985	6,700	7,370	Cwt	68.30	503,000
Hogs and Pigs	1986	7,100	21,300	Cwt	52.20	1,112,000
	1985	7,400	22,200	Cwt	47.30	1,050,000
*Miscellaneous	1986					697,000
	1985					964,000
Total	1986					\$12,686,000
	1985					14,229,000

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

LIVESTOCK AND POULTRY PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Milk, Market	1986*	171,000	Cwt	11.72	\$2,004,000
	1985**	242,000	Cwt	12.17	2,945,000
Manufacturing	1986*	18,000	Cwt	10.80	194,000
	1985**	29,470	Cwt	11.06	326,000
Eggs, Chicken Market	1986	444,000	Doz	.50	222,000
	1985	720,000	Doz	.76	547,000
Wool	1986	58,000	Lb	.65	38,000
	1985	59,200	Lb	.60	36,000
Total	1986				\$2,458,000
	1985**				3,861,000

*California Crop and Livestock Reporting Service Preliminary Figure.

**Revised State Figures

HARVESTED TIMBER

<u>Year</u>	<u>Production Board Feet*</u>	<u>Value</u>
**1986	74,883,000	\$ 5,661,000
**1985	70,958,000	6,385,000

*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 AND POULTRY

	<u>1986</u>	<u>1987</u>
Cattle and Calves	30,000	27,000
Milk Cows 2 years and over	1,500	1,300
Sheep and Lambs, All	6,700	7,600
Hogs and Pigs, All	7,400	7,100
Hens and Pullets of Laying Age	24,000	21,000

FIVE YEAR SUMMARY OF CROP VALUES

	1982	1983	1984	1985	1986
Field Crops	\$ 74,202,000	\$ 56,066,000	\$ 60,986,000	\$ 54,860,000	\$ 53,598,000
Seed Crops	8,526,000	5,232,000	5,989,000	6,640,000	3,909,000
Vegetable Crops	1,100,000	1,250,000	895,000	797,000	687,000
Fruit and Nut Crops	77,280,000	57,498,000	96,445,000	78,513,000	104,715,000
Nursery Stock	2,807,000	2,911,000	2,870,000	2,104,000	2,221,000
Livestock and Poultry	22,788,000	21,656,000	20,037,000	18,083,000*	15,144,000
Apiary Products	1,490,000	1,437,000	1,369,000	1,360,000	1,242,000
Subtotal	\$188,193,000	\$146,050,000	\$188,591,000	\$162,357,000*	\$181,516,000
Timber	4,338,000	3,981,000	6,410,000	6,385,000	5,661,000
Grand Total	<u>\$192,531,000</u>	<u>\$150,031,000</u>	<u>\$195,001,000</u>	<u>\$168,742,000*</u>	<u>\$187,177,000</u>

*Revised

FIVE YEAR SUMMARY OF PLANT CROP ACREAGES

	1982	1983	1984	1985	1986
Field Crops	481,650	416,500	450,800	431,000	423,800
Seed Crops	19,500	12,100	10,430	11,017	7,714
Vegetable Crops	1,100	1,200	850	1,084	983
Fruit and Nut Crops	57,364	58,756	61,311	65,621	68,309
Grand Total	<u>559,614</u>	<u>488,556</u>	<u>523,391</u>	<u>508,722</u>	<u>500,806</u>