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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Butte County

1995-1999

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

This digitization project was funded by the Giannini Foundation of Agricultural Economics,
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BUTTE COUNTY

AGRICULTURAL CROP REPORT

1995



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

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

Ann Veneman, Secretary
California Department of Food and Agriculture

The Honorable Board of Supervisors
County of Butte

Ed McLaughlin, Chair
Jane Dolan Vivian Meyer
Mary Ann Houx 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-sixth annual crop report of agricultural production in Butte County.

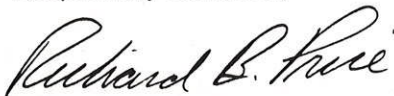
This report is a summary estimate of the acreage, production and gross value of Butte County agricultural products. The values presented in this report are gross values only, and do not reflect net farm income or costs of production and marketing.

The estimated gross value of agricultural production in Butte County in 1995 totaled \$298,728,000. This is a 31.3 million dollar decrease over the 1994 production total of \$330,043,000. This is the largest gross value decrease since the 1983 crop year where a 42.5 million dollar decrease was reported and was preceded by a 43.2 million dollar decrease for the 1982 crop year.

Walnut production showed the largest increase of the values reported. A significant decline is noted in fruit and nut crops and field crops which is partly due to the winter and spring weather. A 10 million dollar decrease in the timber value is very significant.

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

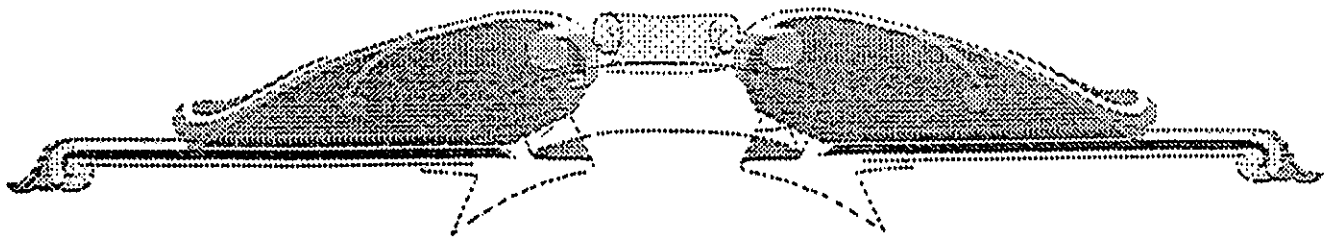
Robert Voorhees
Ken Ewing
Robert Hill
Mary Davis
Stephen Scheer
Stephen Weston

Supervisor-Ag. Biologist
Agricultural Biologist III
Agricultural Biologist III
Agricultural Biologist II
Agricultural Biologist II
Agricultural Biologist II

GRIDLEY DISTRICT

Mike Stewart
Ramon Jauregui

Supervisor-Ag. Biologist
Agricultural Biologist III



The 1995 Butte County crop report is dedicated to Marion J. Brendon who retired after 13 1/2 years of service as Administrative Services Assistant with the department.

She worked over 15 years for the County of Butte. Her many years of public service to the residents of the county is hereby acknowledged and appreciated.



1995

FRUIT AND NUT ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage</u>	<u>Total Acreage*</u>
Almond	35,983	1,826	37,809
Apples	263	160	423
Apricots	29	0	29
Avocado	3	0	3
Cherries	4	200	204
<u>Citrus</u>			0
Mandarins	54	5	59
Navels & Valencias	238	5	243
Grapes (All)	172	9	181
Guava (Feijoa)	46	0	46
Kiwi	1,437	0	1,437
Nectarines	2	0	2
Olives	3,073	3	3,076
Peaches, clinstone	2,039	483	2,522
Peaches, freestone	65	1	66
Pears (All)	15	0	15
Pecans	33	96	129
Persimmons	32	5	37
Pistachio	554	62	616
Plum	8	50	58
Prunes	10,463	2,111	12,574
Walnuts, English	16,444	1,551	17,995
Walnuts, Black	<u>11</u>	<u>0</u>	<u>11</u>
TOTAL	70,968	6,567	77,535

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

Figures not adjusted for losses caused by storms in 1995.

1995

FIELD CROPS ACREAGE, PRODUCTION AND VALUE

CROP	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	PER UNIT	UNIT	TOTAL
Barley	1995	***				\$	
	1994	1,357	1.20	1,628	ton	98.26	160,000
Beans, dry edible	1995	2,650	0.82	2,173	ton	457.00	993,000
	1994	2,776	1.04	2,877	ton	614.00	1,766,000
Corn	1995	475	4.80	2,280	ton	128.00	292,000
	1994	595	4.40	2,618	ton	102.37	268,000
Hay, alfalfa	1995	2,360	5.40	12,744	ton	115.00	1,466,000
	1994	2,360	6.70	15,812	ton	106.00	1,676,000
grain	1995	450	3.00	1,350	ton	85.00	115,000
	1994	1,573	3.40	5,340	ton	76.59	409,000
Pasture, irrigated	1995	18,470			*acre	109.00	2,013,000
	1994	18,500			*acre	109.03	2,017,000
other	1995	270,000			*acre	10.00	2,700,000
	1994	270,000			*acre	9.00	2,430,000
Rice	1995	86,400	3.99	344,736	ton **	210.00	72,395,000
	1994	95,100	4.14	393,714	ton **	210.00	82,680,000
Safflower	1995	1,765	0.85	1,500	ton	299.00	449,000
	1994	1,513	0.65	984	ton	289.57	285,000
Sugarbeets	1995	1,051	24.80	26,065	ton	31.00	808,000
	1994	1,735	32.71	56,750	ton	32.00	1,816,000
Wheat	1995	3,780	2.10	7,938	ton	108.00	857,000
	1994	6,691	2.80	18,735	ton	106.70	1,999,000
Miscellaneous ***	1995	7,215					2,151,000
	1994	5,047					2,988,000
TOTAL	1995	394,616					\$84,239,000
	1994	407,247					98,494,000

*Per acre value

**Adjusted target price

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

1995

SEED CROPS

ACREAGE, PRODUCTION AND VALUE

Crop	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Beans, dry	1995	1,905	1,476	2,812,000	lbs	0.39	\$1,098,000
kidney	1994	1,825	2,093	3,820,000	lbs	0.32	1,222,000
Rice	1995	4,033	7,430	29,964,000	lbs	0.138	4,135,000
	1994	4,872	8,280	40,340,000	lbs	0.125	5,043,000
*Misc.	1995	1,130					950,000
	1994	1,159					963,000
	Total 1995	7,068					\$6,183,000
	1994	7,856					7,228,000

*Barley, beans (other), clover, cucurbits, oats, melons, peas, 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	1995	1,000					\$720,000
	1994	1,315					977,000

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

1995

FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE

Crop	Year	Bearing Acreage	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Per Unit	Total
Almond	1995	34,183	0.41	14,015	ton	5,000.00	\$70,075,000
	1994	35,970	0.87	31,294	ton	2,400.00	75,105,000
Hulls	1995			17,309	ton	84.00	1,454,000
	1994			39,118	ton	60.00	2,347,000
Apples (All)	1995	263	6.90	1,815	ton	500.00	907,000
	1994	174	5.00	870	ton	424.14	369,000
Kiwifruit	1995	1,437	5.00	7,185	ton	880.00	6,323,000
	1994	1,441	7.50	10,808	ton	1,315.01	14,212,000
Olives	1995	2,570	2.70	6,939	ton	512.00	3,553,000
	1994	3,130	1.80	5,634	ton	492.01	2,772,000
Oranges	1995	100	5.10	510	ton	337.00	172,000
	1994	100	2.20	220	ton	400.00	88,000
Mandarins & Tangerines	1995	40	11.00	440	ton	559.00	246,000
	1994	40	10.40	416	ton	451.92	188,000
Peaches, Clingstone	1995	2,050	11.40	23,370	ton	209.00	4,884,000
	1994	2,503	16.80	42,050	ton	185.00	7,779,000
Prunes, dried	1995	10,460	2.50	26,150	ton	1,120.00	29,288,000
	1994	10,269	2.50	25,673	ton	1,050.00	26,956,000
Walnuts, English	1995	16,444	1.50	24,666	ton	1,350.00	33,299,000
	1994	15,711	1.52	23,881	ton	1,075.00	25,672,000
*Misc	1995	995					1,150,000
	1994	893					1,969,000
Total	1995	68,542					\$151,351,000
	1994	70,231					157,457,000

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

Acres may vary from State Report

1995

NURSERY PRODUCTS PRODUCTION AREA, SALES AND VALUE

Item	Year	PRODUCTION AREA		Sold by Producers	VALUE	
		House Sq. Ft	Field Acres		Unit	Total
*Nursery	1995	274,296	84.50	2,327,871	Plants	\$7,437,000
Stock	1994	310,200	126.00	4,037,000	Plants	6,400,000

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

APIARY PRODUCTS PRODUCTION AND VALUE

Item	Year	PRODUCTION		VALUE	
		Total	Unit	Unit	Total
Pollination	1995	46,450	Colony	36.00	\$1,672,000
	1994	46,241	Colony	31.66	1,464,000
*Other Apiary Products	1995				285,000
	1994				35,000
Total	1995				\$1,957,000
	1994				1,499,000

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

1995

LIVESTOCK AND POULTRY PRODUCTION AND VALUE

Item	Year	PRODUCTION		Unit	VALUE	
		No. of Head	Total Live Weight		Per Unit	Total
Cattle and Calves	1995	12,400	76,880	cwt.	57.00	\$4,382,000
	1994	12,329	73,974	cwt.	69.20	5,119,000
Sheep, ALL	1995	1,500	1,869	cwt.	79.19	148,000
	1994	1,419	1,768	cwt.	65.61	116,000
Hogs, ALL	1995	11,700	26,910	cwt.	39.99	1,076,000
	1994	12,450	28,641	cwt.	47.10	1,349,000
*Misc.	1995					950,000
	1994					906,000
Total	1995					\$6,556,001
	1994					7,490,000

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

LIVESTOCK PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Milk, Market*	1995	130,249	cwt.	12.57	\$1,637,000
	1994	143,546	cwt.	12.32	1,769,000
Manufacturing* Milk	1995	16,160	cwt.	11.76	190,000
	1994	2,359	cwt.	10.17	24,000
Wool	1995	4,560	lb.	0.59	2,700
	1994	6,000	lb.	0.50	3,000
Total	1995				\$1,829,700
	1994				1,796,000

*California Crop and Livestock Reporting Service Figures

1995

HARVESTED TIMBER

Year	Production Board Feet*	Value
1995	91,686,000	\$38,874,000
**1994	97,700,000	48,700,000

* 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

	1995	1996
Cattle and Calves, ALL	21,000	20,000
Milk Cows	1,400	1,300
Sheep, ALL	3,000	2,000
Hogs, ALL	7,500	7,500

1995

MILLION DOLLAR CROPS

	CROP	VALUE
1	Rice	\$72,395,000
2	Almonds	70,075,000
3	Timber	38,874,000
4	Walnuts, English	33,299,000
5	Prunes	29,288,000
6	Nursery Stock	7,437,000
7	Kiwifruit	6,323,000
8	Peaches, Clingstone	4,884,000
9	Cattle/Calves	4,382,000
10	Rice Seed	4,135,000
11	Olives	3,553,000
12	Dryland Pasture and Range	2,700,000
13	Field Crops, Miscellaneous	2,151,000
14	Pasture, Irrigated	2,013,000
15	Apiary Pollination	1,692,000
16	Milk, Market	1,637,000
17	Alfalfa Hay	1,466,000
18	Almond Hulls	1,454,000
19	Fruit and Nut Crops, Miscellaneous	1,150,000
20	Bean Seed, Dry, Edible	1,098,000
21	Hogs, All	1,076,000

1995

FIVE YEAR SUMMARY OF CROP VALUES

	1991	1992	1993	1994	1995
Field Crops	\$77,575,000	\$85,210,000	\$85,585,000	\$98,494,000	\$84,404,000
Seed Crops	5,927,000	5,258,000	5,571,000	7,228,000	6,183,000
Vegetable Crops	946,000	1,049,000	928,000	977,000	720,000
Fruit and Nut Crops	138,846,000	155,519,000	168,634,000	157,459,000	151,351,000
Nursery Stock	3,467,000	5,085,000	6,351,000	6,400,000	7,000,000
Apiary Products	1,582,000	1,520,000	1,508,000	1,499,000	1,977,000
Livestock and Poultry	11,128,000	11,379,000	9,118,000*	9,286,000	8,385,000
subtotal	\$239,471,000	\$265,020,000	\$277,695,000	\$281,343,000	\$260,020,000
Timber	13,000,000	10,789,000	50,505,000	48,700,000	38,874,000
GRAND TOTAL	\$252,471,000	\$275,809,000	\$328,200,000*	\$330,043,000	\$298,894,000

*Recalculated Figure for 1993 only

FIVE YEAR SUMMARY OF PLANT CROP ACREAGE

	1991	1992	1993	1994	1995
Field Crops	393,086	397,771	397,338	407,247	394,616
Seed Crops	6,870	6,355	6,791	7,856	7,068
Vegetable Crops	1,245	1,382	1,240	1,315	1,000
Fruit and Nut Crops	69,359	69,882	70,856	70,231	68,542
GRAND TOTAL	470,560	475,390	476,225	486,649	471,226

BUTTE COUNTY 1995 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	24,639 packages inspected (UPS, Post Office, Federal Express, trucks)	39 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle	505 traps placed throughout the County to detect the present 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 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>Centaurea solstitialis</u>	Seed Weevils (3 Genus) <u>Bangasternus/Urophora/Eustenopus</u>	Nursery sites
Klamath Weed <u>Hypericum perforatum</u>	Klamath Beetle <u>Chrysoline gemellata</u>	Generally distributed
Puncture Vine <u>Tribulus terrestris</u>	Stem & Seed Weevils <u>Microlarinus lypriformis</u>	Generally distributed
Italian Thistle <u>Carduus tenuiflorus</u> <u>Carduus pycnocephalus</u>	Seed Head Weevil <u>Rhinocyllus conicus</u>	Generally distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	A parasitic wasp <u>Encarsia partenopea</u>	General distribution throughout the county

ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	42	2900

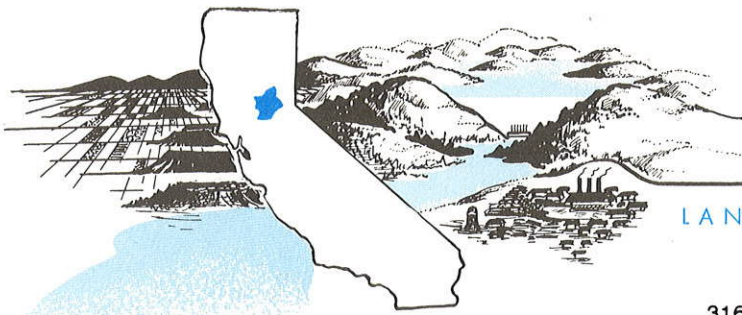
BUTTE COUNTY

AGRICULTURAL CROP REPORT

1996



AGRICULTURAL COMMISSIONER



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER
WEIGHTS AND MEASURES

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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-seventh 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 1996 totaled \$ 323,392,000. This is a 24.3 million dollar increase over the 1995 production total of \$ 299,146,000. Fruit and nut crops, field crops and seed crops led the increases in values whereas livestock and poultry production and nursery stock production decreased in value.

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

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1996

FRUIT AND NUT ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almond	31,159	4,884	36,043
Apples	249	194	443
Apricots	33	0	33
Avocado	3	0	3
Cherries	290	10	300
<u>Citrus</u>			0
Mandarins	58	1	59
Navels & Valencias	243	2	245
Grapes (All)	219	4	223
Guava (Feijoa)	44	0	44
Kiwi	1,442	0	1,442
Nectarines	12	0	12
Olives	3,079	3	3,082
Peaches, clinstone	2,518	60	2,578
Peaches, freestone	66	0	66
Pears (All)	15	0	15
Pecans	33	96	129
Persimmons	29	8	37
Pistachio	565	51	616
Plum	16	60	76
Prunes	10,632	3,459	14,091
Walnuts, English	16,490	2,659	19,149
Walnuts, Black	<u>11</u>	<u>22</u>	<u>33</u>
TOTAL	67,206	11,513	78,719

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

1996

FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE

CROP	YEAR	PRODUCTION			UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
ALMOND	1996	31,159	0.63	19,630	ton	4,270.00	\$83,820,000
	1995	34,183	0.41	14,015	ton	5,000.00	70,075,000
HULLS	1996			24,500	ton	80.00	1,960,000
	1995			17,309	ton	84.00	1,454,000
APPLES (All)	1996	249	4.33	1,078	ton	250.00	270,000
	1995	263	6.90	1,815	ton	500.00	907,000
KIWIFRUIT	1996	1,442	5.30	7,643	ton	1,202.00	9,187,000
	1995	1,437	5.00	7,185	ton	880.00	6,323,000
OLIVES	1996	2,230	1.98	4,416	ton	605.00	2,672,000
	1995	2,570	2.70	6,939	ton	512.00	3,553,000
ORANGES	1996	100	5.05	505	ton	450.00	227,000
	1995	100	5.10	510	ton	337.00	172,000
MANDARINS & TANGERINES	1996	40	10.50	420	ton	457.00	192,000
	1995	40	11.00	440	ton	559.00	246,000
PEACHES, Clingstone	1996	2,518	16.50	41,547	ton	202.00	8,393,000
	1995	2,050	11.40	23,370	ton	209.00	4,884,000
PRUNES, dried	1996	10,400	2.20	22,880	ton	825.00	18,876,000
	1995	10,460	2.50	26,150	ton	1,120.00	29,288,000
WALNUTS, English	1996	16,490	1.27	20,942	ton	1,460.00	30,575,000
	1995	16,444	1.50	24,666	ton	1,350.00	33,299,000
*MISC	1996	1,385					3,340,000
	1995	995					1,150,000
TOTAL	1996	66,013					\$159,512,000
	1995	68,542					151,351,000

*Apricots, Avocados, Black Walnuts, Bushberries, Cherries, Chestnuts, Grapes, Nectarines, Peaches (freestone), Peach by-products, Pears, Pecans, Persimmons, Pistachio, Plums, Strawberries, etc.

Acres may vary from State Report.

1996

FIELD CROPS ACREAGE, PRODUCTION AND VALUE

CROP	YEAR	PRODUCTION			VALUE		
		HARVESTED ACREAGE	PER ACRE	TOTAL	PER UNIT	UNIT	TOTAL
BEANS, dry edible	1996	2,450	1.13	2,769	TON	795.00	\$2,201,000
	1995	2,650	0.82	2,173	TON	457.00	993,000
CORN	1996	1,300	4.60	5,980	TON	128.00	765,000
	1995	475	4.80	2,280	TON	128.00	292,000
HAY, alfalfa	1996	2,615	5.97	15,612	TON	98.00	1,530,000
	1995	2,360	5.40	12,744	TON	115.00	1,466,000
HAY, grain	1996	850	2.10	1,785	TON	87.00	155,000
	1995	450	3.00	1,350	TON	85.00	115,000
PASTURE, irrigated	1996	18,450			*ACRE	109.00	2,011,000
	1995	18,470			*ACRE	109.00	2,013,000
PASTURE, other	1996	270,000			*ACRE	10.00	2,700,000
	1995	270,000			*ACRE	10.00	2,700,000
RICE	1996	98,200	4.04	396,728	TON	210.00	83,313,000
	1995	86,400	3.99	344,736	TON	210.00	72,395,000
SAFFLOWER	1996	2,552	0.85	2,169	TON	380.00	824,000
	1995	1,765	0.85	1,500	TON	299.00	449,000
SUGARBEETS	1996	327	20.23	6,615	TON	32.50	215,000
	1995	1,051	24.80	26,065	TON	31.00	808,000
WHEAT	1996	4,000	2.33	9,320	TON	148.00	1,379,000
	1995	3,780	2.10	7,938	TON	108.00	857,000
MISCELLANEOUS***	1996	5,091					2,911,000
	1995	7,215					2,151,000
TOTAL	1996	405,835					\$98,004,000
	1995	394,616					84,239,000

*Per acre value

**Adjusted target price

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

1996

LIVESTOCK AND POULTRY PRODUCTION AND VALUE

ITEM	YEAR	PRODUCTION			VALUE	
		NO. OF HEAD	TOTAL LIVE WEIGHT	UNIT	PER UNIT	TOTAL
CATTLE AND CALVES	1996	11,800	73,750	cwt.	52.50	\$3,872,000
	1995	12,400	76,880	cwt.	57.00	4,382,000
SHEEP, all	1996	1,480	1,776	cwt.	89.50	159,000
	1995	1,500	1,869	cwt.	79.19	148,000
HOGS, all	1996	11,000	24,200	cwt.	52.10	1,261,000
	1995	11,700	26,910	cwt.	39.99	1,076,000
*MISC.	1996					900,000
	1995					950,000
TOTAL	1996					\$6,192,000
	1995					6,556,000

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

LIVESTOCK PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
MILK, Market*	1996	108,300	cwt.	14.57	\$1,578,000
	1995	130,249	cwt.	12.57	1,637,000
MILK, Manufacturing*	1996	2,640	cwt.	14.26	38,000
	1995	16,160	cwt.	11.76	190,000
WOOL	1996	3,333	lb.	0.60	2,000
	1995	4,560	lb.	0.59	2,700
TOTAL	1996				\$1,618,000
	1995				1,829,700

*CALIFORNIA CROP AND LIVESTOCK REPORTING SERVICE FIGURES

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1996	1997
CATTLE AND CALVES, all	20,000	21,000
MILK COWS	1,300	900
SHEEP, all	2,000	1,400
HOGS, all	7,500	7,300

1996

MILLION DOLLAR CROPS

	CROP	VALUE
1	Almonds	\$83,820,000
2	Rice	83,313,000
3	Timber	40,417,000
4	Walnuts, English	30,575,000
5	Prunes	18,867,000
6	Kiwifruit	9,187,000
7	Peaches, Clingstone	8,393,000
8	Rice Seed	6,848,000
9	Nursery Stock	4,485,000
10	Cattle/Calves	3,872,000
11	Fruit and Nut Crops, Miscellaneous	3,340,000
12	Field Crops, Miscellaneous	2,911,000
13	Dryland Pasture and Range	2,700,000
14	Olives	2,672,000
15	Bean Seed, Dry, Edible	2,110,000
16	Bean, Dry Edible	2,201,000
17	Pasture, Irrigated	2,011,000
18	Almond Hulls	1,960,000
19	Apiary Pollination	1,887,000
20	Milk, Market	1,578,000
21	Alfalfa Hay	1,530,000
22	Seed Crops, Miscellaneous	1,411,000
23	Wheat	1,379,000
24	Hogs, All	1,261,000

1996

FIVE YEAR SUMMARY OF CROP VALUES

	1992	1993	1994	1995	1996
Field Crops	\$85,210,000	\$85,585,000	\$98,494,000	**\$84,239,000	\$98,004,000
Seed Crops	5,258,000	5,571,000	7,228,000	6,183,000	10,369,000
Vegetable Crops	1,049,000	928,000	977,000	720,000	650,000
Fruit and Nut Crops	155,519,000	168,634,000	**157,457,000	151,351,000	159,512,000
Nursery Stock	5,085,000	6,351,000	6,400,000	**7,437,000	4,485,000
Apiary Products	1,520,000	1,508,000	1,499,000	**1,957,000	2,145,000
Livestock and Poultry and Livestock Products	11,379,000	*9,118,000	9,286,000	8,385,000	7,810,000
subtotal	\$265,020,000	*\$277,695,000	**\$281,341,000	**\$260,272,000	\$282,975,000
Timber	10,789,000	50,505,000	48,700,000	38,874,000	40,417,000
GRAND TOTAL	\$275,809,000	*\$328,200,000	**\$330,041,000	**\$299,146,000	\$323,392,000

*Recalculated Figure for 1993 only

**Addition Corrections

FIVE YEAR SUMMARY OF PLANT CROP ACREAGE

	1992	1993	1994	1995	1996
Field Crops	397,771	397,338	407,247	394,616	405,835
Seed Crops	6,355	6,791	7,856	7,068	10,230
Vegetable Crops	1,382	1,240	1,315	1,000	900
Fruit and Nut Crops	69,882	70,856	70,231	68,542	66,013
GRAND TOTAL	475,390	476,225	486,649	471,226	482,978

BUTTE COUNTY 1996 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	14, 512 packages inspected (UPS, Post Office, Federal Express, trucks)	42 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle	505 traps placed throughout the County to detect the present of these pests.	None of these pests were trapped
<u>PEST ERADICATION</u>		
Spotted Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Western Grapeleaf Skeletonizer	Controlled by a combination of mechanical and chemical methods.	25 sites spread throughout the county
	Larvae Fly & Larvae Wasp <u>Ametadoria misella</u> <u>Apantelas harrisinae</u>	Chico/Oroville areas.
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevils (3 Genus) <u>Bangasternus/Urophora/Eustenopus</u>	Nursery sites
Klamath Weed <u>Hypericum perforatum</u>	Klamath Beetle <u>Chrysoline gemellata</u>	Generally distributed
Puncture Vine <u>Tribulus terrestris</u>	Stem & Seed Weevils <u>Microtarinus lypriformis</u>	Generally distributed
Italian Thistle <u>Carduus tenuiflorus</u> <u>Carduus pycnocephalus</u>	Seed Head Weevil <u>Rhinocyllus conicus</u>	Generally distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	A parasitic wasp <u>Encarsia partenopea</u>	General distribution throughout the county

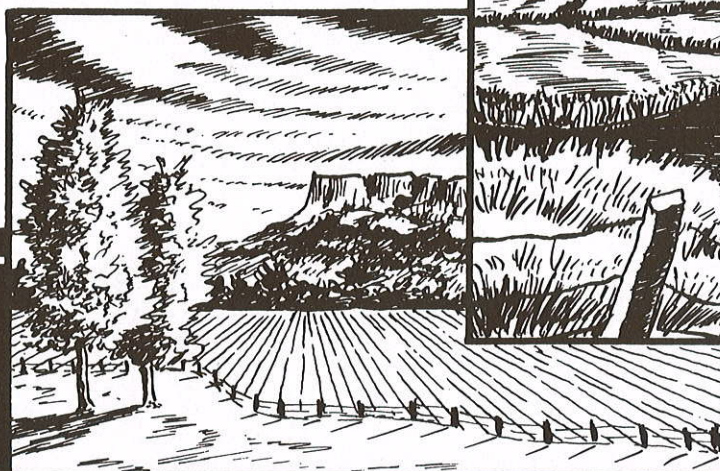
ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	42	2075

BUTTE COUNTY

AGRICULTURAL CROP REPORT

1997



AGRICULTURAL COMMISSIONER



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

**OFFICES OF AGRICULTURAL COMMISSIONER
WEIGHTS AND MEASURES • WATER DIVISION**

316 NELSON AVENUE • OROVILLE, CALIFORNIA 95965-3318
AGRICULTURAL DEPT.: (530) 538-7381 • WATER: (530) 538-6265
FAX: (530) 538-7594

RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures/
Water Division

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

Ann Veneman, Secretary
California Department of Food and Agriculture

The Honorable Butte County Board of Supervisors

Fred Davis, Chair

Bob Beeler

Mary Ann Houx

Jane Dolan

Curt Josiassen

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-eighth annual crop report of agricultural production and agricultural value in Butte County for the year 1997.

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 1997 totaled \$338,171,000. This is a 5.8 million dollar increase over the 1996 value total of \$323,392,000. Fruit and nut crops, nursery stock, livestock products, livestock & poultry production and apiary led the increases in values whereas seed crops, vegetable crops and timber decreased in value.

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

Charmaigne Damron
Cheryl Mohr
Marie Heinemeyer

Administrative Services Asst.
Office Assistant II
Pest Detection Trapper

CHICO DISTRICT

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

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

GRIDLEY DISTRICT

Mike Stewart
Ramon Jauregui

Supervisor-Agricultural Biologist
Agricultural Biologist III

1997

FRUIT AND NUT ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage *</u>	<u>Non-Bearing Acreage *</u>	<u>Total Acreage *</u>
Almond	31,814	4,203	36,017
Apples	304	129	433
Apricots	41	0	41
Avocado	3	0	3
Cherries	203	0	203
<u>Citrus</u>			
Mandarins	47	9	56
Navels & Valencias	220	0	220
Grapes (All)	148	4	152
Guava (Feijoa)	42	0	42
Kiwifruit	1,497	0	1,497
Nectarines	6	1	7
Olives	3,037	3	3,040
Peaches, Clingstone	2,323	60	2,383
Peaches, Freestone	76	1	77
Pears (All)	15	0	15
Pecans	88	41	129
Persimmons	29	8	37
Pistachio	564	59	623
Plum	66	0	66
Prunes	11,130	3,110	14,240
Walnuts, English	15,563	2,189	17,752
Walnuts, Black	<u>12</u>	<u>22</u>	<u>34</u>
TOTAL	67,228	9,838	77,066

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

1997

**FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE**

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>UNIT</u>	<u>VALUE</u>	
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>		<u>PER UNIT</u>	<u>TOTAL</u>
ALMOND	1997	31,814	0.88	27,996	ton	3100.00	\$86,788,000
	1996	31,159	0.63	19,630	ton	4270.00	83,820,000
HULLS	1997			34,995	ton	78.00	2,730,000
	1996			24,500	ton	80.00	1,960,000
APPLES (All)	1997	304	6.55	1,991	ton	212.00	422,000
	1996	249	4.33	1,078	ton	250.00	270,000
KIWIFRUIT	1997	1,497	7.65	11,452	ton	1175.00	13,456,000
	1996	1,442	5.30	7,643	ton	1202.00	9,187,000
OLIVES	1997	3,037	2.49	7,562	ton	626.00	4,734,000
	1996	2,230	1.98	4,416	ton	605.00	2,672,000
ORANGES	1997	100	6.20	620	ton	440.00	273,000
	1996	100	5.05	505	ton	450.00	227,000
MANDARINS & TANGERINES	1997	40	7.70	307	ton	605.00	186,000
	1996	40	10.50	420	ton	457.00	192,000
PEACHES, Clingstone	1997	2,323	16.80	39,000	ton	218.00	8,502,000
	1996	2,518	16.50	41,547	ton	202.00	8,393,000
PRUNES, dried	1997	11,130	2.45	27,269	ton	800.00	21,815,000
	1996	10,400	2.20	22,880	ton	825.00	18,876,000
WALNUTS, English	1997	15,563	1.69	26,302	ton	1280.00	33,667,000
	1996	16,490	1.27	20,942	ton	1460.00	30,575,000
*MISC	1997	1,531					3,877,000
	1996	1,385					3,340,000
TOTAL	1997	67,339					\$176,450,000
	1996	66,013					159,512,000

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

Acres may vary from State Report.

1997

FIELD CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>TOTAL</u>	<u>PER UNIT</u>	<u>VALUE</u>	
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>			<u>UNIT</u>	<u>TOTAL</u>
BEANS, dry edible	1997	3,200	0.96	3,072	ton	\$592.00	\$1,819,000
	1996	2,450	1.13	2,769	ton	795.00	2,201,000
CORN	1997	900	5.41	4,825	ton	111.00	536,000
	1996	1,300	4.60	5,980	ton	128.00	765,000
HAY, alfalfa	1997	2,960	6.39	18,914	ton	106.00	2,005,000
	1996	2,615	5.97	15,612	ton	98.00	1,530,000
HAY, grain	1997	1,100	2.30	2,530	ton	97.00	245,000
	1996	850	2.10	1,785	ton	87.00	155,000
PASTURE, irrigated	1997	18,422			*acre	109.00	2,008,000
	1996	18,450			*acre	109.00	2,011,000
PASTURE, other	1997	270,000			*acre	10.00	2,700,000
	1996	270,000			*acre	10.00	2,700,000
RICE	1997	98,500	4.29	422,565	ton	** 210.00	88,739,000
	1996	98,200	4.04	396,728	ton	** 210.00	83,313,000
SAFFLOWER	1997	2,198	0.76	1,671	ton	328.00	548,000
	1996	2,552	0.85	2,169	ton	380.00	824,000
SUGARBEETS	1997	500	26.20	13,100	ton	31.75	416,000
	1996	327	20.23	6,615	ton	32.50	215,000
WHEAT	1997	3,295	2.23	7,348	ton	112.00	823,000
	1996	4,000	2.33	9,320	ton	148.00	1,379,000
MISCELLANEOUS***	1997	6,113					2,227,000
	1996	5,091					2,911,000
TOTAL	1997	407,188					\$102,066,000
	1996	405,835					97,390,000

*Per acre value

**Includes government payments

***Barley, cotton, ensilage pumpkins, ryegrass, sorghum, sudangrass hay, sunflower, other rice, wild rice, wild hay, crop by-products, etc.

1997

SEED CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>PER UNIT</u>	<u>VALUE</u>	
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>		<u>UNIT</u>	<u>TOTAL</u>
BEANS, dry kidney	1997	2,407	1,954	4,703,000	lbs	\$0.35	\$1,646,000
	1996	2,550	1,839	4,689,000	lbs	0.45	2,110,000
RICE	1997	5,010	8,100	40,581,000	lbs	0.15	6,087,000
	1996	5,350	8,000	42,800,000	lbs	0.16	6,848,000
*MISC.	1997	3,188					2,172,000
	1996	2,330					1,411,000
TOTAL	1997	10,605					\$9,905,000
	1996	10,230					10,369,000

*Barley, beans (other) cabbage, carrot, corn, cucurbits, gourd, oats, melons, pumpkin, safflower, squash, sudangrass, sunflower, vetch, wheat, etc.

VEGETABLE CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>PER UNIT</u>	<u>VALUE</u>	
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>		<u>UNIT</u>	<u>TOTAL</u>
*MISC	1997	750					\$550,000
	1996	900					650,000

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

NURSERY PRODUCTS PRODUCTION AREA, SALES AND VALUE

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>SOLD BY PRODUCERS</u>	<u>VALUE</u>	
		<u>HOUSE SQ. FT.</u>	<u>FIELD ACRES</u>		<u>UNIT</u>	<u>TOTAL</u>
*NURSERY STOCK	1997	233,560	68.50	3,298,000	Plants	\$5,350,000
	1996	252,460	60.00	2,838,000	Plants	4,485,000

*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.

1997

APIARY PRODUCTS PRODUCTION AND VALUE

<u>ITEM</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
	<u>YEAR</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>UNIT</u>	<u>TOTAL</u>
POLLINATION	1997	48,750	Colony	\$37.00	\$1,804,000
	1996	51,000	Colony	37.00	1,887,000
*OTHER APIARY PRODUCTS	1997				425,000
	1996				258,000
TOTAL	1997				\$2,229,000
	1996				2,145,000

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

HARVESTED TIMBER

<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
**1997	91,606,000	\$32,603,000
**1996	96,967,000	40,417,000

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

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

1997

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	1997	12,500	78,748	cwt.	\$63.10	\$4,969,000
	1996	11,800	73,750	cwt.	52.50	3,872,000
SHEEP, all	1997	1,200	1,464	cwt.	91.60	134,000
	1996	1,480	1,776	cwt.	89.50	159,000
HOGS, all	1997	10,900	25,000	cwt.	54.70	1,368,000
	1996	11,000	24,200	cwt.	52.10	1,261,000
*MISC.	1997					900,000
	1996					900,000
TOTAL	1997					\$7,371,000
	1996					6,192,000

*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*	1997	115,675	cwt.	\$13.76	\$1,591,000
	1996	108,300	cwt.	14.57	1,578,000
MILK, Manufacturing*	1997	5,166	cwt.	10.88	56,000
	1996	2,640	cwt.	14.26	38,000
WOOL	1997	No Data			0
	1996	3,333	lb.	0.60	2,000
TOTAL	1997				\$1,647,000
	1996				1,618,000

*CALIFORNIA CROP AND LIVESTOCK REPORTING SERVICE FIGURES

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1997	1998
CATTLE AND CALVES, all	21,000	22,000
MILK COWS	900	825
SHEEP, all	1,400	1,000
HOGS, all	7,300	7,300

1997

FIVE-YEAR SUMMARY OF CROP VALUES

	1993	1994	1995	1996	1997
Field Crops	\$85,585,000	\$98,494,000	**\$84,239,000	\$98,004,000	\$102,066,000
Seed Crops	5,571,000	7,228,000	6,183,000	10,369,000	9,905,000
Vegetable Crops	928,000	977,000	720,000	650,000	550,000
Fruit and Nut Crops	168,634,000	** 157,457,000	151,351,000	159,351,000	176,450,000
Nursery Stock	6,351,000	6,400,000	** 7,437,000	4,485,000	5,350,000
Apiary Products	1,508,000	1,499,000	** 1,957,000	2,145,000	2,229,000
Livestock and Poultry and Livestock Products	* 9,118,000	9,286,000	8,385,000	7,810,000	9,018,000
Subtotal	**\$277,695,000	**\$281,341,000	**\$260,272,000	\$282,975,000	\$305,568,000
Timber	50,505,000	48,700,000	38,874,000	40,417,000	32,603,000
Grand Total	*\$328,200,000	**\$330,041,000	**\$229,146,000	\$323,392,000	\$338,171,000

*Recalculated Figure for 1993 only

**Addition Corrections

FIVE YEAR SUMMARY OF PLANT CROP ACREAGE

	1993	1994	1995	1996	1997
Field Crops	397,338	407,247	394,616	405,835	407,188
Seed Crops	6,791	7,856	7,068	10,230	10,605
Vegetable Crops	1,240	1,315	1,000	900	750
Fruit and Nut Crops	70,856	70,231	68,542	66,013	67,339
Grand Total	476,225	486,649	471,226	482,978	485,882

1997

MILLION DOLLAR CROPS

	CROP	VALUE
1	Rice	\$88,739,000
2	Almonds	86,788,000
3	Walnuts, English	33,667,000
4	Timber	32,603,000
5	Prunes	21,815,000
6	Kiwifruit	13,456,000
7	Peaches, Clingstone	8,502,000
8	Rice Seed	6,087,000
9	Nursery Stock	5,350,000
10	Cattle/Calves	4,969,000
11	Olives	4,734,000
12	Fruit and Nut Crops, Misc.	3,877,000
13	Almond Hulls	2,730,000
14	Dryland Pasture and Range	2,700,000
15	Field Crops, Miscellaneous	2,227,000
16	Seed Crops, Miscellaneous	2,172,000
17	Pasture, Irrigated	2,008,000
18	Alfalfa Hay	2,005,000
19	Bean, Dry Edible	1,819,000
20	Apiary Pollination	1,804,000
21	Bean Seed, Dry, Edible	1,646,000
22	Milk, Market	1,591,000
23	Hogs, All	1,368,000

BUTTE COUNTY 1997 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.

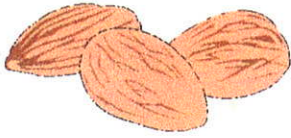
Biological control provides a method of sustainable pest control with a minimum impact to the environment.

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Program</u>
<u>PEST EXCLUSION</u>		
Exotic Pests	11,345 packages inspected (UPS, Post Office, Federal Express, trucks)	17 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle	505 traps placed throughout the County to detect the presence of these pests.	None of these pests were trapped
<u>PEST ERADICATION</u>		
Spotted Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Skeleton Weed	Controlled by a combination of mechanical and chemical methods	25 sites spread throughout the county
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevils (3 Genus) <u>Bangasternus/Urophora/Eustenopus</u>	Nursery sites
Klamath Weed <u>Hypericum perforatum</u>	Klamath Beetle <u>Chrysolina gemellata</u>	Generally distributed
Puncture Vine <u>Tribulus terrestris</u>	Stem & Seed Weevils <u>Microlarinus lypriformis</u>	Generally distributed
Italian Thistle <u>Carduus tenuiflorus</u> <u>Carduus pycnocephalus</u>	Seed Head Weevil <u>Rhinocyllus conicus</u>	Generally distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	A parasitic wasp <u>Encarsia partenopea</u>	General distribution throughout the county

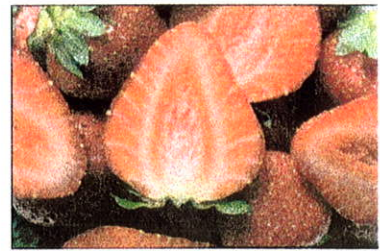
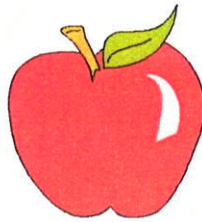
ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	61	2520

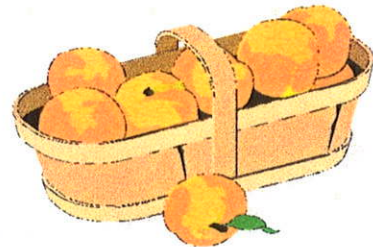
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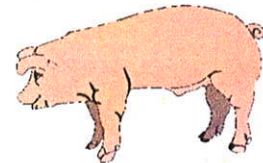
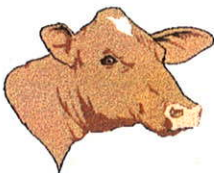
BUTTE COUNTY

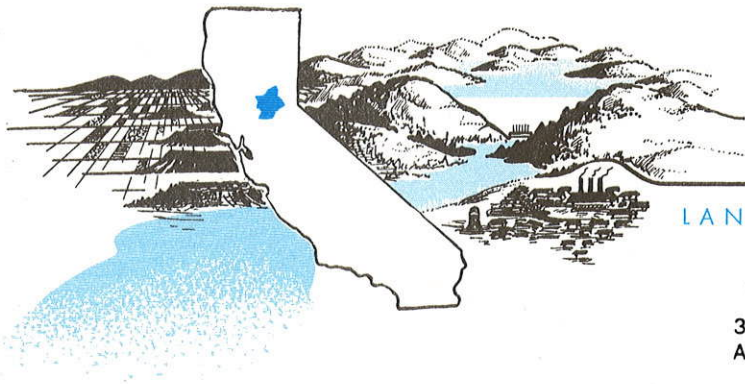


AGRICULTURAL



CROP REPORT





Butte County

LAND OF NATURAL WEALTH AND BEAUTY

**OFFICES OF AGRICULTURAL COMMISSIONER
WEIGHTS AND MEASURES • WATER DIVISION**

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

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

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

The Honorable Butte County Board of Supervisors

Jane Dolan, Chair
Bob Beeler
Mary Anne Houx
Fred Davis
Curt Josiassen

John Blacklock, Chief Administrative Officer

In accordance with provisions of section 2279 of the California Food and Agricultural Code, I am submitting the fifty-ninth annual crop report of agricultural production and agricultural value in Butte County for the year 1998.

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 1998 totaled \$246,974,000. This is a 91 million dollar decrease over the 1997 value total of \$338,171,000. Only Timber and Apiary showed increases in value. The weather played a very significant role in decreasing the production of field crops, fruit and nut crops and seed crops. The value of livestock and nursery products decreased due to market factors.

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

Charmaigne Damron
Cheryl Mohr
Marie Heinemeyer

Administrative Services Asst.
Office Assistant II
Pest Detection Trapper

CHICO DISTRICT

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

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

GRIDLEY DISTRICT

Mike Stewart
Ramon Jauregui

Supervisor-Agricultural Biologist
Agricultural Biologist III

1998

FRUIT AND NUT ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage *</u>	<u>Non-Bearing Acreage *</u>	<u>Total Acreage *</u>
Almond	31,117	5,889	37,006
Apples	412	0	412
Apricots	41	0	41
Avocado	3	0	3
Cherries	203	0	203
<u>Citrus</u>			
Mandarins	53	4	57
Navels & Valencias	179	5	184
Grapes (All)	166	7	173
Guava (Feijoa)	27	0	27
Kiwifruit	1,333	0	1,333
Nectarines	6	1	7
Olives	3,024	0	3,024
Peaches, Clingstone	2,140	66	2,206
Peaches, Freestone	75	0	75
Pears (All)	11	0	11
Pecans	89	40	129
Persimmons	32	15	47
Pistachio	607	8	615
Plum	66	0	66
Prunes	11,705	2,824	14,529
Walnuts, English	18,049	1,307	19,356
Walnuts, Black	10	45	55
TOTAL	69,348	10,211	79,559

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

1998

FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE

CROP	YEAR	PRODUCTION			UNIT	PER UNIT	VALUE
		HARVESTED ACREAGE	PER ACRE	TOTAL			TOTAL
ALMOND	1998	31,117	0.47	14,625	ton	\$3,009.00	\$44,007,000
	1997	31,814	0.88	27,996	ton	3100.00	86,788,000
HULLS	1998			16,725	ton	64.00	1,070,000
	1997			34,995	ton	78.00	2,730,000
APPLES (All)	1998	475	11.5	5,463	ton	824.00	4,502,000
	1997	304	6.55	1,991	ton	212.00	422,000
KIWIFRUIT	1998	1,333	6.30	8,398	ton	760.00	6,383,000
	1997	1,497	7.65	11,452	ton	1175.00	13,456,000
OLIVES	1998	1,500	1.87	2,804	ton	373.00	1,046,000
	1997	3,037	2.49	7,562	ton	626.00	4,734,000
ORANGES	1998	90	5.00	450	ton	451.00	203,000
	1997	100	6.20	620	ton	440.00	273,000
PEACHES, Clingstone	1998	2,140	15.50	33,170	ton	225.00	7,463,000
	1997	2,323	16.80	39,000	ton	218.00	8,502,000
PISTACHIO	1998	607	0.24	146	ton	2000.00	291,000
	1997	564	0.51	288	ton	2260.00	651,000
PRUNES, dried	1998	11,205	1.20	13,446	ton	785.00	10,555,000
	1997	11,130	2.45	27,269	ton	800.00	21,815,000
WALNUTS, English	1998	18,049	1.34	24,272	ton	1124.00	27,282,000
	1997	15,563	1.69	26,302	ton	1280.00	33,667,000
*MISC	1998	965					2,719,000
	1997	1,531					3,877,000
TOTAL	1998	67,481					\$105,521,000
	1997	67,339					176,450,000

*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.

1998

FIELD CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>TOTAL</u>	<u>PER UNIT</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>				<u>TOTAL</u>
BEANS, dry edible	1998	1,375	0.85	1,169	ton	\$640.00	\$748,000
	1997	3,200	0.96	3,072	ton	592.00	1,819,000
CORN	1998	550	4.40	2,424	ton	85.00	206,000
	1997	900	5.41	4,825	ton	111.00	536,000
HAY, alfalfa	1998	3,025	4.33	13,098	ton	115.00	1,506,000
	1997	2,960	6.39	18,914	ton	106.00	2,005,000
HAY, grain	1998	800	2.35	1,880	ton	55.00	103,000
	1997	1,100	2.30	2,530	ton	97.00	245,000
PASTURE, irrigated	1998	18,410			*acre	109.00	2,007,000
	1997	18,422			*acre	109.00	2,008,000
PASTURE, other	1998	269,000			*acre	10.00	2,690,000
	1997	270,000			*acre	10.00	2,700,000
RICE	1998	96,000	3.45	331,200	ton	220.00	72,864,000
	1997	98,500	4.29	422,565	ton	**210.00	88,739,000
SAFFLOWER	1998	1,000	0.6	600	ton	313.00	188,000
	1997	2,198	0.76	1,671	ton	328.00	548,000
SUGARBEETS	1998	0			ton		0
	1997	500	26.20	13,100	ton	31.75	416,000
WHEAT	1998	3,000	1.25	3,750	ton	80.50	302,000
	1997	3,295	2.23	7,348	ton	112.00	823,000
MISCELLANEOUS***	1998	10,687					6,116,000
	1997	6,113					2,227,000
TOTAL	1998	403,847					\$86,730,000
	1997	407,188					102,066,000

*Per acre value

**Includes government payments

***Barley, beans (other), cotton, ensilage, hays (other), lavender, sorghum, sudangrass hay, sunflower, other rice, wild rice, wild hay, crop by-products, etc.

1998

SEED CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>PER UNIT</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>			<u>TOTAL</u>
BEANS, dry kidney	1998	750	1,576	1,182,000	lbs	\$0.31	\$366,000
	1997	2,407	1,954	4,703,000	lbs	0.35	1,646,000
RICE	1998	3,555	7,842	27,878,000	lbs	0.12	3,345,000
	1997	5,010	8,100	40,581,000	lbs	0.15	6,087,000
*MISC.	1998	3,884					1,997,000
	1997	3,188					2,172,000
TOTAL	1998	8,178					\$5,708,000
	1997	10,605					9,905,000

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

VEGETABLE CROPS ACREAGE AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>PER UNIT</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>			<u>TOTAL</u>
*MISC	1998	750					\$550,000
	1997	750					550,000

*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>PRODUCTION</u>		<u>PLANTS SOLD BY PRODUCERS</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HOUSE SQ. FT.</u>	<u>FIELD ACRES</u>			<u>TOTAL</u>
*NURSERY STOCK	1998	255,000	43.00	2,388,000	Plants	\$3,610,000
	1997	233,560	68.50	3,298,000	Plants	5,350,000

*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.

1998

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	1998	51,630	Colony	\$40.25	\$2,079,000
	1997	48,750	Colony	37.00	1,804,000
*OTHER APIARY PRODUCTS	1998				325,000
	1997				425,000
TOTAL	1998				\$2,404,000
	1997				2,229,000

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

HARVESTED TIMBER

<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
**1998	97,495,000	\$33,670,000
**1997	91,606,000	32,603,000

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

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

1998

**LIVESTOCK AND POULTRY
PRODUCTION AND VALUE**

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>PER UNIT</u>	<u>VALUE</u>
		<u>NO. OF HEAD</u>	<u>TOTAL LIVE WEIGHT</u>	<u>UNIT</u>		<u>TOTAL</u>
CATTLE AND CALVES	1998	12,650	80,960	cwt.	\$61.50	\$4,979,000
	1997	12,500	78,748	cwt.	63.10	4,969,000
SHEEP, all	1998	1,175	1,417	cwt.	74.80	106,000
	1997	1,200	1,464	cwt.	91.60	134,000
HOGS, all	1998	10,900	25,000	cwt.	34.00	850,000
	1997	10,900	25,000	cwt.	54.70	1,368,000
*MISC.	1998					875,000
	1997					900,000
TOTAL	1998					\$6,810,000
	1997					7,371,000

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

LIVESTOCK PRODUCTS

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>VALUE</u>
					<u>TOTAL</u>
MILK, Market*	1998	101,393	cwt.	\$16.43	\$1,666,000
	1997	115,675	cwt.	13.76	1,591,000
MILK, Manufacturing*	1998	23,354	cwt.	13.74	321,000
	1997	5,166	cwt.	10.88	56,000
TOTAL	1998				\$1,987,000
	1997				1,647,000

*CALIFORNIA CROP AND LIVESTOCK REPORTING SERVICE FIGURES

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1998	1999
CATTLE AND CALVES, all	22,000	22,250
MILK COWS	825	860
SHEEP, all	1,000	950
HOGS, all	7,300	7,300

1998

MILLION DOLLAR CROPS

	CROP	VALUE
1	Rice	\$72,864,000
2	Almonds	44,007,000
3	Timber	33,670,000
4	Walnuts, English	27,282,000
5	Prunes	10,555,000
6	Peaches, Clingstone	7,463,000
7	Kiwifruit	6,383,000
8	Field Crops, Miscellaneous	6,116,000
9	Cattle/Calves	4,979,000
10	Apples	4,502,000
11	Nursery Stock	3,610,000
12	Rice Seed	3,345,000
13	Fruit and Nut Crops, Misc.	2,719,000
14	Dryland Pasture and Range	2,690,000
15	Apiary Pollination	2,404,000
16	Pasture, Irrigated	2,007,000
17	Seed Crops, Miscellaneous	1,997,000
18	Milk, Market	1,666,000
19	Alfalfa Hay	1,506,000
20	Almond Hulls	1,070,000
21	Olives	1,046,000

1998

FIVE-YEAR SUMMARY OF CROP VALUES

	1994	1995	1996	1997	1998
Field Crops	\$98,494,000	*\$84,239,000	\$98,004,000	\$102,066,000	\$86,730,000
Seed Crops	7,228,000	6,183,000	10,369,000	9,905,000	5,708,000
Vegetable Crops	977,000	720,000	650,000	550,000	550,000
Fruit and Nut Crops	* 157,457,000	151,351,000	159,351,000	176,450,000	105,521,000
Nursery Stock	6,400,000	* 7,437,000	4,485,000	5,350,000	3,610,000
Apiary Products	1,499,000	* 1,957,000	2,145,000	2,229,000	2,404,000
Livestock and Poultry and Livestock Products	9,286,000	8,385,000	7,810,000	9,018,000	8,797,000
Subtotal	*\$281,341,000	*\$260,272,000	*\$282,814,000	\$305,568,000	\$213,320,000
Timber	48,700,000	38,874,000	40,417,000	32,603,000	33,670,000
Grand Total	*\$330,041,000	*\$299,146,000	*\$323,231,000	\$338,171,000	\$246,990,000

*Addition corrections from original year's reports.

FIVE YEAR SUMMARY OF PLANT CROP ACREAGE

	1994	1995	1996	1997	1998
Field Crops	407,247	394,616	405,835	407,188	403,847
Seed Crops	7,856	7,068	10,230	10,605	8,178
Vegetable Crops	1,315	1,000	900	750	750
Fruit and Nut Crops	70,231	68,542	66,013	67,339	67,481
Grand Total	486,649	471,226	482,978	485,882	480,256

BUTTE COUNTY 1998 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	8,845 packages inspected (UPS, Post Office, Federal Express, trucks)	12 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle	505 traps placed throughout the County to detect the present of these pests.	None of these pests were trapped
<u>PEST ERADICATION</u>		
Spotted Knapweed Diffuse Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Skeleton Weed	Controlled by a combination of mechanical and chemical methods	27 sites spread throughout the county
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevils (3 Genus) <u>Bangasternus/Urophora/Eustenopus</u>	Generally distributed
Klamath Weed <u>Hypericum perforatum</u>	Klamath Beetle <u>Chrysoline gemellata</u>	Generally distributed
Puncture Vine <u>Tribulus terrestris</u>	Stem & Seed Weevils <u>Microlarinus lypriformis</u>	Generally distributed
Italian Thistle <u>Carduus tenuiflorus</u> <u>Carduus pycnocephalus</u>	Seed Head Weevil <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 & Flower Weevils/Leaf Beetles <u>Hylobius/Galerucella/Nanophyes</u>	Nursery sites

ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	60	2659

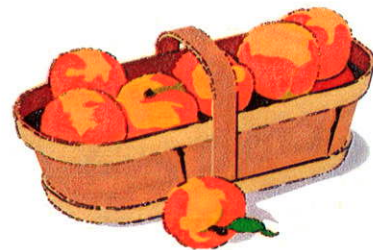
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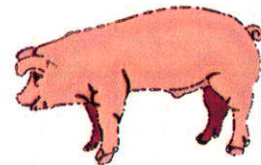
BUTTE COUNTY



AGRICULTURAL



CROP REPORT





Butte County

LAND OF NATURAL WEALTH AND BEAUTY

**OFFICES OF AGRICULTURAL COMMISSIONER
WEIGHTS AND MEASURES • WATER DIVISION**

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RICHARD B. PRICE
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Director of Weights and Measures/
Water Division

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

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

The Honorable Butte County Board of Supervisors

Jane Dolan, Chair Fred Davis
Bob Beeler Curt Josiassen
Mary Anne Houx

John Blacklock, Chief Administrative Officer

In accordance with provisions of section 2279 of the California Food and Agricultural Code, I am submitting the fifty-ninth annual crop report of agricultural production and agricultural value in Butte County for the year 1999.

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 1999 totaled \$291,311,000. This is a 44 million dollar increase over the 1998 gross value total of \$246,990,000. Harvested Timber, Apiary and Livestock production decreased in value.

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

*Charmaine Damron
Friede Conklin
Cheryl M. Lambert
Marie Heinemeyer*

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

CHICO DISTRICT

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

*Supervisor-Agricultural Biologist
Agricultural Biologist III
Agricultural Biologist III
Agricultural Biologist III
Agricultural Biologist I
Agricultural Biologist III
Agricultural Biologist III*

GRIDLEY DISTRICT

*Mike Stewart
Ramon Jauregui*

*Supervisor-Agricultural Biologist
Agricultural Biologist III*

1999

FRUIT AND NUT ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage *</u>	<u>Non-Bearing Acreage *</u>	<u>Total Acreage *</u>
Almond	37,207	2,249	39,456
Apples	367	0	367
Apricots	41	0	41
Avocado	3	0	3
Cherries	210	0	210
<u>Citrus</u>			
Mandarins	56	2	58
Navels & Valencias	182	2	184
Grapes (All)	166	5	171
Guava (Feijoa)	24	0	24
Kiwifruit	1,309	0	1,309
Nectarines	7	0	7
Olives	3,024	75	3,099
Peaches, Clingstone	2,036	226	2,262
Peaches, Freestone	75	0	75
Pears (All)	11	0	11
Pecans	129	9	138
Persimmons	40	10	50
Pistachio	616	2	618
Plum	66	0	66
Prunes	13,675	1,749	15,424
Walnuts, English	18,416	2,039	20,455
Walnuts, Black	10	187	197
TOTAL	77,670	6,555	84,225

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

1999

FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>UNIT</u>	<u>PER UNIT</u>	<u>VALUE</u>
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>			<u>TOTAL</u>
ALMOND	1999	37,207	0.61	22,696	ton	1,650.00	\$37,449,000
	1998	31,117	0.47	14,625	ton	3,009.00	44,007,000
HULLS	1999			28,370	ton	54.00	1,532,000
	1998			16,725	ton	64.00	1,070,000
APPLES (All)	1999	367	7.40	2,716	ton	433.00	1,176,000
	1998	475	11.50	5,463	ton	824.00	4,502,000
KIWIFRUIT	1999	1,307	4.52	5,908	ton	1,140.00	6,735,000
	1998	1,333	6.30	8,398	ton	760.00	6,383,000
OLIVES	1999	1,350	1.40	1,890	ton	380.00	718,000
	1998	1,500	1.87	2,804	ton	373.00	1,046,000
ORANGES	1999	147	4.10	603	ton	400.00	241,000
	1998	90	5.00	450	ton	451.00	203,000
PEACHES, Clingstone	1999	2,036	14.00	28,504	ton	220.00	6,271,000
	1998	2,140	15.50	33,170	ton	225.00	7,463,000
PISTACHIO	1999	616	0.86	530	ton	2,915.00	1,545,000
	1998	607	0.24	146	ton	2,000.00	291,000
PRUNES, dried	1999	13,675	2.31	31,589	ton	900.00	28,430,000
	1998	11,205	1.20	13,446	ton	785.00	10,555,000
WALNUTS, English	1999	18,416	1.77	32,600	ton	812.00	26,471,000
	1998	18,049	1.34	24,272	ton	1,124.00	27,282,000
*MISC	1999	1,297					2,052,000
	1998	965					2,719,000
TOTAL	1999	76,418					\$112,620,000
	1998	67,481					105,521,000

*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.

1999

FIELD CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>TOTAL</u>	<u>PER UNIT</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>				<u>TOTAL</u>
BEANS, dry edible	1999	775	0.70	543	ton	\$600.00	\$326,000.00
	1998	1,375	0.85	1,169	ton	640.00	748,000
CORN	1999	0	0	0	ton	0.00	0
	1998	550	4.40	2,424	ton	85.00	206,000
HAY, alfalfa	1999	2,466	5.66	13,958	ton	95.00	1,326,000
	1998	3,025	4.33	13,098	ton	115.00	1,506,000
HAY, grain	1999	1,675	2.50	4,188	ton	75.00	314,000
	1998	800	2.35	1,880	ton	55.00	103,000
PASTURE, irrigated	1999	18,400			*acre	109.00	2,006,000
	1998	18,410			*acre	109.00	2,007,000
PASTURE, other	1999	269,000				9.50	2,556,000
	1998	269,000			*acre	10.00	2,690,000
RICE	1999	96,500	3.69	356,085	ton	**290.00	103,265,000
	1998	96,000	3.45	331,200	ton	**220.00	72,864,000
SAFFLOWER	1999	800	0.8	640	ton	281.00	180,000
	1998	1,000	0.6	600	ton	313.00	188,000
WHEAT	1999	2,700	2.30	6,210	ton	87.50	543,000
	1998	3,000	1.25	3,750	ton	80.50	302,000
MISCELLANEOUS***	1999	13,084					9,919,000
	1998	10,687					6,116,000
TOTAL	1999	405,400					\$120,435,000
	1998	403,847					86,730,000

*Per acre value

**Includes government payments

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

1999

**SEED CROPS
ACREAGE, PRODUCTION AND VALUE**

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>PER UNIT</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>			<u>TOTAL</u>
BEANS, dry kidney	1999	750	1,512	1,134,000	lbs	\$0.35	\$397,000
	1998	750	1,576	1,182,000	lbs	0.31	366,000
RICE	1999	4,150	7,700	31,955,000	lbs	0.15	4,793,000
	1998	3,555	7,842	27,878,000	lbs	0.12	3,345,000
*MISC.	1999	5,874					5,000,000
	1998	3,884					1,997,000
TOTAL	1999	10,774					\$10,190,000
	1998	8,178					5,708,000

*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>PRODUCTION</u>			<u>PER UNIT</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>			<u>TOTAL</u>
*MISC	1999	800					\$575,000
	1998	750					550,000

*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>PRODUCTION</u>		<u>PLANTS SOLD BY PRODUCERS</u>	<u>UNIT</u>	<u>VALUE</u>
		<u>HOUSE SQ. FT.</u>	<u>FIELD ACRES</u>			<u>TOTAL</u>
*NURSERY STOCK	1999	305,000	63.50	4,079,000	Plants	\$6,400,000
	1998	255,000	43.00	2,388,000	Plants	3,610,000

*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.

1999

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	1999	50,179	Colony	\$39.00	\$1,957,000
	1998	51,630	Colony	\$40.25	2,079,000
*OTHER APIARY PRODUCTS	1999				320,000
	1998				325,000
TOTAL	1999				\$2,277,000
	1998				2,404,000

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

HARVESTED TIMBER

<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
**1999	90,918,000	\$29,484,000
**1998	97,495,000	33,670,000

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

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

1999

LIVESTOCK AND POULTRY
PRODUCTION AND VALUE

ITEM	YEAR	PRODUCTION			PER UNIT	VALUE
		NO. OF HEAD	TOTAL LIVE WEIGHT	UNIT		TOTAL
CATTLE AND CALVES	1999	12,600	80,140	cwt.	\$64.30	\$5,153,000
	1998	12,650	80,960	cwt.	61.50	4,979,000
SHEEP, all	1999	1,200	1,444	cwt.	74.80	108,000
	1998	1,175	1,417	cwt.	74.80	106,000
HOGS, all	1999	10,500	21,000	cwt.	30.00	630,000
	1998	10,900	25,000	cwt.	34.00	850,000
*MISC.	1999					850,000
	1998					875,000
TOTAL	1999					\$6,741,000
	1998					6,810,000

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

LIVESTOCK PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	VALUE
					TOTAL
MILK, Market*	1999	176,596	cwt.	\$14.35	\$2,520,000
	1998	101,393	cwt.	16.43	1,666,000
MILK, Manufacturing*	1999	6,255	cwt.	11.04	69,000
	1998	23,354	cwt.	13.74	321,000
TOTAL	1999	182,851	cwt.		\$2,589,000
	1998	124,747	cwt.		1,987,000

*CALIFORNIA CROP AND LIVESTOCK REPORTING SERVICE FIGURES

JANUARY 1 ESTIMATED INVENTORIES OF LIVESTOCK

	1999	2000
CATTLE AND CALVES, all	22,250	22,300
MILK COWS	860	860
SHEEP, all	950	950
HOGS, all	7,300	7,300

1999

MILLION DOLLAR CROPS

	CROP	VALUE
1	Rice	\$103,265,000
2	Almonds	37,449,000
3	Timber	29,670,000
4	Prunes	28,430,000
5	Walnuts, English	26,471,000
6	Field Crops, Miscellaneous	9,919,000
7	Kiwifruit	6,735,000
8	Nursery Stock	6,400,000
9	Peaches, Clingstone	6,271,000
10	Cattle/Calves	5,153,000
11	Seed Crops, Miscellaneous	5,000,000
12	Rice Seed	4,793,000
13	Dryland Pasture and Range	2,556,000
14	Milk, Market	2,520,000
15	Fruit and Nut Crops, Misc.	2,052,000
16	Pasture, Irrigated	2,006,000
17	Apiary Pollination	1,957,000
18	Almond Hulls	1,532,000
19	Alfalfa Hay	1,326,000
20	Apples	1,176,000

1999

FIVE-YEAR SUMMARY OF CROP VALUES

	1995	1996	1997	1998	1999
Field Crops	*\$84,239,000	\$98,004,000	\$102,066,000	\$86,730,000	\$120,435,000
Seed Crops	6,183,000	10,369,000	9,905,000	5,708,000	10,190,000
Vegetable Crops	720,000	650,000	550,000	550,000	575,000
Fruit and Nut Crops	151,351,000	159,351,000	176,450,000	105,521,000	112,620,000
Nursery Stock	* 7,437,000	4,485,000	5,350,000	3,610,000	6,400,000
Apiary Products	* 1,957,000	2,145,000	2,229,000	2,404,000	2,277,000
Livestock and Poultry and Livestock Products	8,385,000	7,810,000	9,018,000	8,797,000	9,330,000
Subtotal	*\$260,272,000	*\$282,814,000	\$305,568,000	\$213,320,000	\$261,827,000
Timber	38,874,000	40,417,000	32,603,000	33,670,000	29,484,000
Grand Total	*\$299,146,000	*\$323,231,000	\$338,171,000	\$246,990,000	\$291,311,000

*Addition corrections from original year's reports.

FIVE YEAR SUMMARY OF PLANT CROP ACREAGE

	1995	1996	1997	1998	1999
Field Crops	394,616	405,835	407,188	403,847	405,400
Seed Crops	7,068	10,230	10,605	8,178	10,774
Vegetable Crops	1,000	900	750	750	800
Fruit and Nut Crops	68,542	66,013	67,339	67,481	76,418
Grand Total	471,226	482,978	485,882	480,256	493,392

BUTTE COUNTY 1999 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	20,692 packages inspected (UPS, Post Office, Federal Express, trucks)	40 rejections issued
<u>PEST DETECTION</u>		
Gypsy Moth, Medfly, Japanese Beetle, Oriental & Melon Fruitflies, Khapra Beetle, Olive Fruit Fly	639 traps placed throughout the County to detect the present of these pests.	None of these pests were trapped
<u>PEST ERADICATION</u>		
Spotted Knapweed Diffuse Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Skeleton Weed	Controlled by a combination of mechanical and chemical methods	27 sites spread throughout the county
<u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevils (3 Genus) <u>Bangasternus/Urophora/Eustenopus</u>	Generally distributed
Klamath Weed <u>Hypericum perforatum</u>	Klamath Beetle <u>Chrysoline gemellata</u>	Generally distributed
Puncture Vine <u>Tribulus terrestris</u>	Stem & Seed Weevils <u>Microlarinus lypriformis</u>	Generally distributed
Italian Thistle <u>Carduus tenuiflorus</u> <u>Carduus pycnocephalus</u>	Seed Head Weevil <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 & Flower Weevils/Leaf Beetles <u>Hylobius/Galerucella/Nanophyes</u>	Nursery sites

ORGANIC FARMING STATISTICS

<u>Crops</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Various	60	3958