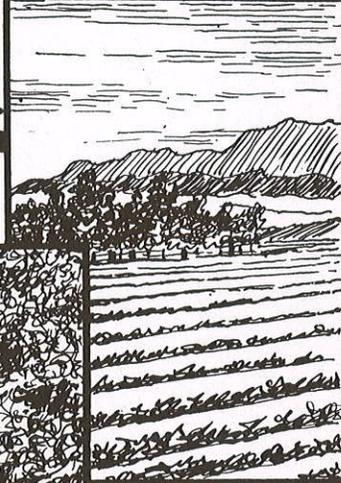
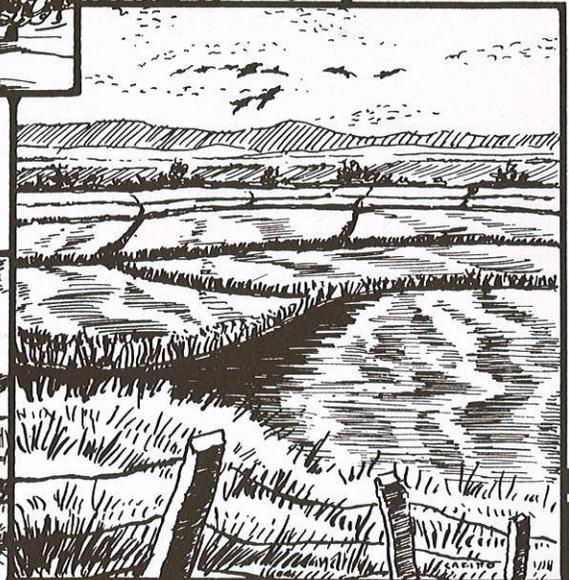


BUTTE COUNTY

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
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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

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

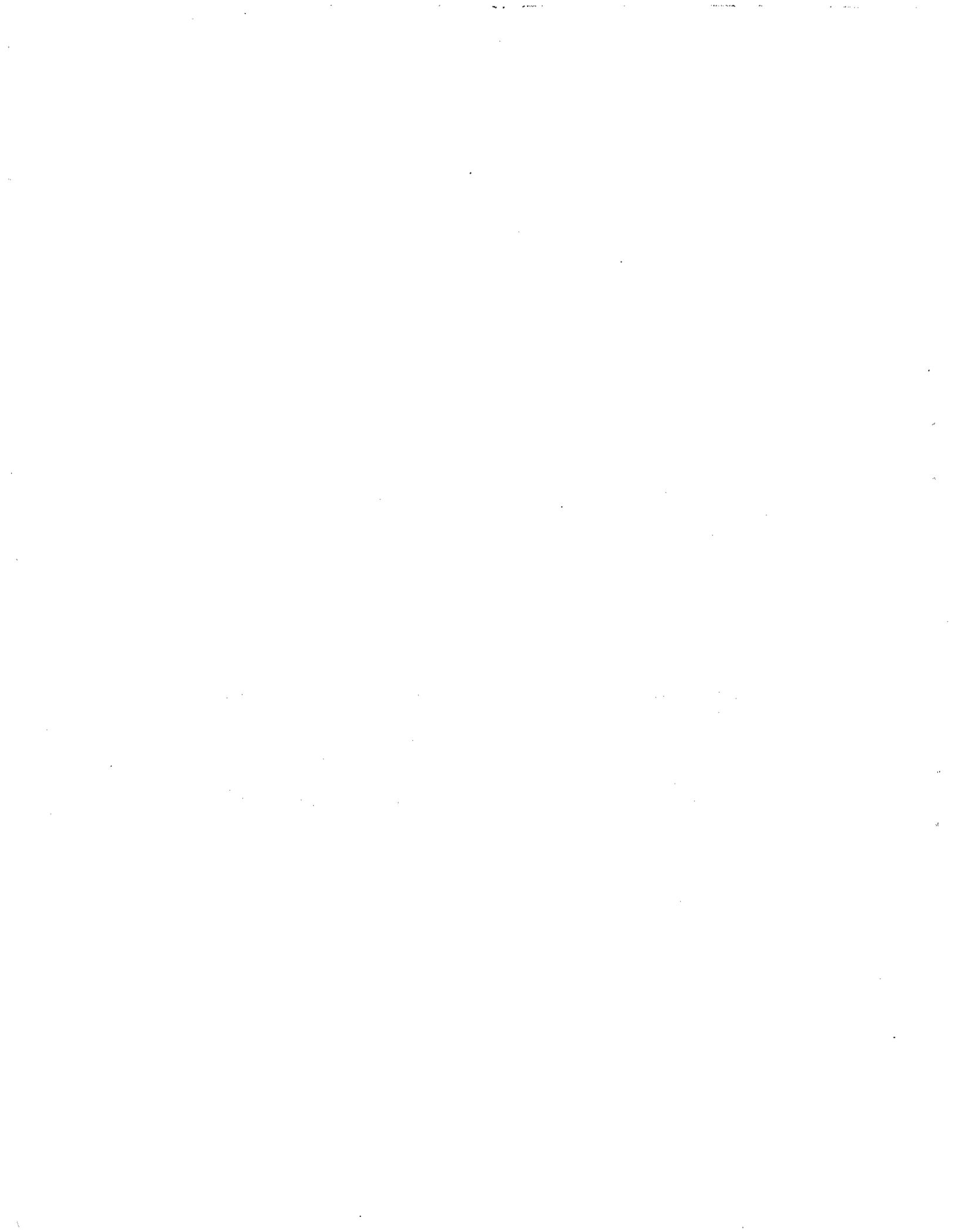
Robert Voorhees
Mary Daniels
Ken Ewing
Robert Hill
Stephen Scheer
Stephen Weston

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

