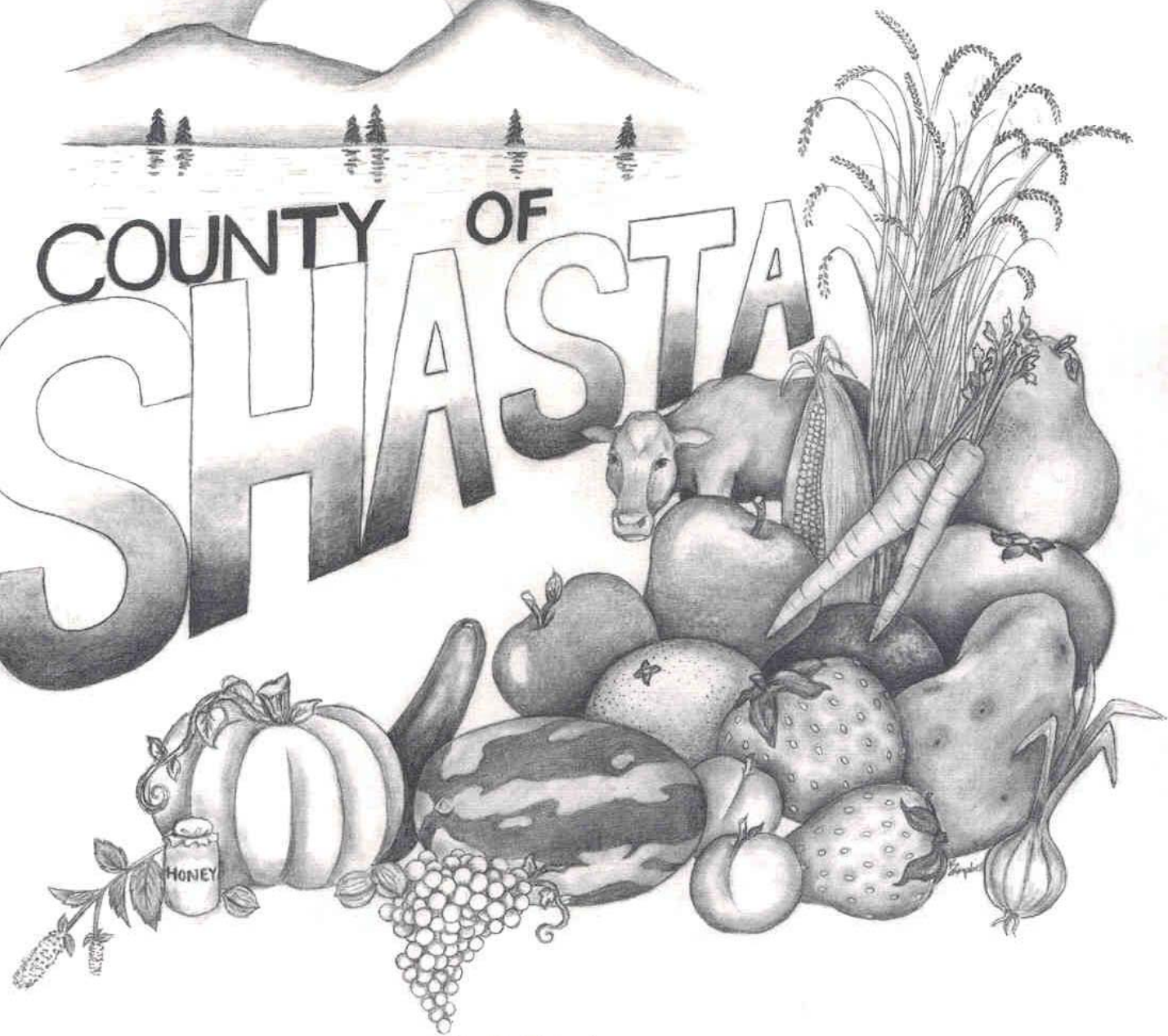


COUNTY OF  
**SHASTA**



1997  
CROP AND LIVESTOCK  
REPORT



# SHASTA COUNTY

## DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

3179 Bechelli Lane, Suite 210  
Redding, CA 96002  
(530) 224-4949  
FAX (530) 224-4951

**MARY PFEIFFER**  
Agricultural Commissioner  
Sealer of Weights & Measures

TO: Ann M. Veneman, Secretary  
California Department of Food and Agriculture

The Honorable Board of Supervisors, County of Shasta  
Patricia "Trish" Clark, Chair, District 5  
Dick Dickerson, District 1  
Irwin Fust, District 2  
Glenn Hawes, District 3  
Molly Wilson, District 4

H. Douglas Latimer, County Administrative Officer

I am pleased to submit, in accordance with Section 2279 of the California Food and Agricultural Code, Shasta County's Annual Crop and Livestock Report for 1997. This report summarizes the acreage, production, and gross values of agricultural commodities produced in Shasta County. It does not attempt to show county inventory, cost of production, or net farm income.

The value of agricultural products produced in Shasta County increased 13%. The most significant factor contributing to the increase has been the rebound in cattle prices during 1997. There was also an increase in the number of cattle sold during the year. The value of orchard crops was also significantly higher because of increased production.

This report includes a summary of the sustainable agriculture activities which have been completed by the department in 1997. The purpose of these activities is to prevent and control the spread of exotic plant and insect pests throughout the county using integrated pest management techniques.

I wish to express my sincere appreciation to the many producers, agricultural business representatives, and public agencies who have cooperated in supplying the data necessary to produce this report. Development of this report was completed under the leadership of Agricultural Investigator Tony Linegar.

Sincerely,

MARY PFEIFFER  
Agricultural Commissioner

## MISSION STATEMENT

The Shasta County Department of Agriculture and Weights and Measures is entrusted with the mission of promoting and protecting the agricultural industry of the County and its environment, ensuring the health and safety of the County's citizens, and fostering confidence and equity in the marketplace through education and the fair and uniform enforcement of laws, regulations, and ordinances enacted by the people of the State of California and the County of Shasta.

## STAFF

Mary Pfeiffer	Agricultural Commissioner
Paul Kjos	Deputy Agricultural Commissioner
Tony Linegar	Agricultural Investigator III
Don McBroome	Agricultural Investigator III
James Morton	Agricultural Investigator III
Jay Thesken	Agricultural Investigator III
Caryn Moen	Agricultural Investigator II
Ray Abernathy	Agricultural Program Assistant
Bonnie Sanderson	Administrative Secretary III
Barbara Miceli	Typist Clerk III

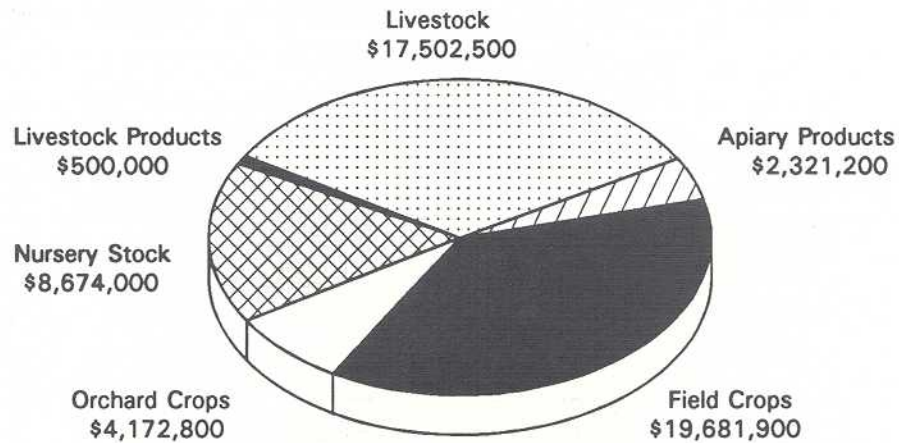
## COVER

This year's crop report cover features many of the agricultural commodities produced in Shasta County, and represents not only the diversity of the agricultural industry, but also the diversity and beauty of the county's landscape. The artist is Katie Campbell who is a senior at Shasta High School participating in advanced placement art class. She is ranked among the nation's top high school art students and will be enrolling at Simpson college in the fall.



# SHASTA COUNTY LIVESTOCK & CROP SUMMARY

1997 TOTAL PRODUCTION VALUE: \$52,852,400



## COMPARISON SUMMARY

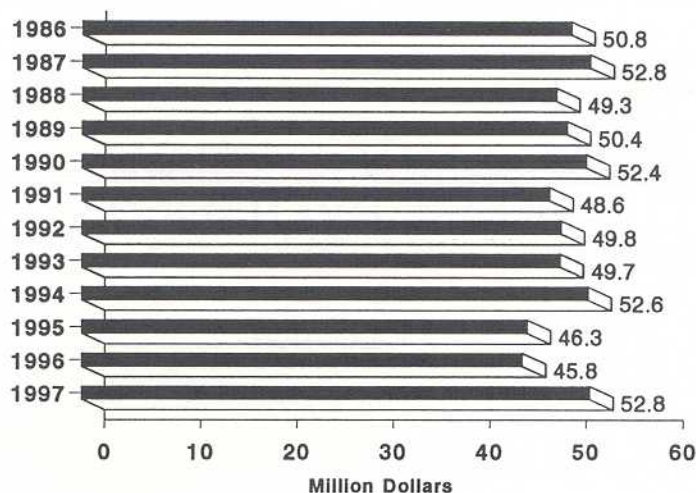
	1997	1996	1995	1994
LIVESTOCK	\$17,502,500	\$12,235,800	\$14,800,000	\$17,065,900
LIVESTOCK PRODUCTS	500,000	350,000	800,000	1,500,000
APIARY PRODUCTS	2,321,200	2,341,900	2,169,400	2,257,000
FIELD CROPS	19,681,900	19,077,100	16,495,500	19,569,500
NURSERY STOCK	8,674,000	8,864,800	9,502,100	9,621,900
ORCHARD CROPS	4,172,800	3,000,000	2,538,000	2,597,000
<b>TOTALS</b>	<b>\$52,852,400</b>	<b>\$45,869,600</b>	<b>\$46,305,000</b>	<b>\$52,611,300</b>
TIMBER	0**	57,279,000	\$55,224,700	\$64,728,000
OTHER FOREST PRODUCTS	\$9,651,600	\$12,000,000	\$19,500,000	\$10,000,000

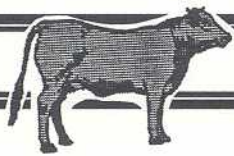
\*Revised

\*\*Not Available

Totals may not add due to rounding.

## TOTAL VALUE OF AGRICULTURAL PRODUCTS 1986-97

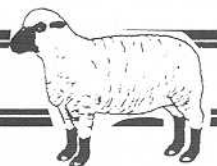




# LIVESTOCK PRODUCTION

<u>ITEM</u>	<u>YEAR</u>	<u>NO. HEAD</u>	<u>TOTAL LIVEWEIGHT</u>	<u>UNIT</u>	<u>AVG/UNIT</u>	<u>TOTAL</u>
<b>CATTLE &amp; CALVES</b>						
Feeders	1997	18,500	131,535	cwt	\$71.76	\$9,438,900
	1996	15,500	100,750	cwt	55.10	5,551,300
Slaughter Cattle	1997	2,400	27,528	cwt	28.75	791,400
	1996	2,000	23,540	cwt	33.56	790,000
Breeding Stock	1997	3,600		head	890.00	3,204,000
	1996	3,000		head	639.00	1,917,000
Pasture Cattle	1997	10,000	23,000	cwt	67.56	1,553,900
	1996	10,000	22,500	cwt	55.00	1,237,500
TOTAL CATTLE	1997					\$14,988,200
	1996					\$9,495,800
SHEEP & LAMBS	1997	2,500	2,375	cwt	91.60	217,500
	1996	2,500	2,375	cwt	84.00	199,500
SWINE All Classes	1997	1,000	1,100	cwt	53.26	58,600
	1996	1,000	1,100	cwt	52.00	57,200
OTHER LIVESTOCK (Fish, Poultry, Goats, etc.)	1997					2,238,200
	1996					2,483,300
TOTAL LIVESTOCK	1997					\$17,502,500
	1996					\$12,235,800

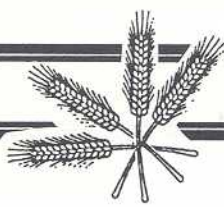
# LIVESTOCK PRODUCTS



<u>ITEM</u>	<u>YEAR</u>	<u>TOTAL</u>
LIVESTOCK PRODUCTS	1997	\$500,000
	1996	\$350,000

# FOREST PRODUCTS

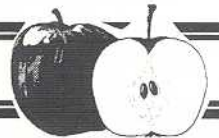
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>TOTAL</u>
TIMBER	1996	167,977,000	bd. ft.	\$57,279,000
	1995	149,734,000	bd. ft.	\$55,224,700
MISC. FOREST PRODUCTS	1997			\$9,651,600
	1996			\$12,000,000



# FIELD CROPS

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>AVG/ UNIT</u>	<u>TOTAL</u>
WHEAT	1997	1,700	2.0	3,400	ton	\$100.00	\$340,000
	1996	2,000	2.0	4,000	ton	130.00	520,000
WILD RICE	1997	2,400	1,300	3,120,000	lb	.50	1,560,000
	1996	2,200	1,300	2,860,000	lb	.49	1,401,400
MISC CROPS (Oats, Barley, Mint Oil, Seed & Truck Crops, etc.)	1997						1,482,300
	1996						1,718,100*
HAY							
Alfalfa	1997	7,800	4.8	37,440	ton	106.25	3,978,000
	1996	7,500	5.3	39,750	ton	97.50	3,875,600
Other Hay	1997	18,800	3.2	60,160	ton	97.50	5,865,600
	1996	18,500	3.0	55,500	ton	92.00	5,106,000
PASTURE							
Irrigated	1997	33,000			acre	100.00	3,300,000
	1996	33,000			acre	100.00	3,300,000
Improved	1997	100,000			acre	12.00	1,200,000
	1996	100,000			acre	12.00	1,200,000
Rangeland	1997	326,000			acre	6.00	1,956,000
	1996	326,000			acre	6.00	1,956,000
TOTAL FIELD CROPS	1997						\$19,681,900
	1996						\$19,077,100

# ORCHARD CROPS



<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>AVG/ UNIT</u>	<u>TOTAL</u>
WALNUTS	1997	1,000	1.5	1,500	ton	\$1,300.00	\$1,950,000
	1996	1,000	1.0	1,000	ton	1,440.00	1,440,000
FRUIT & NUT CROPS (Apples, Olives, Stone Fruit, Grapes, Kiwis, Pistachios, etc.)	1997						2,222,800
	1996						1,560,000
TOTAL ORCHARD CROPS	1997						\$4,172,800
	1996						\$3,000,000





# NURSERY STOCK

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED PLANTS</u>		<u>TOTAL</u>	<u>UNIT</u>	<u>AVG/ UNIT</u>	<u>TOTAL</u>
		<u>ACRES</u>	<u>/ACRE</u>				
<b>STRAWBERRY</b>							
Low Elevation	1997	41	497	20,377	1,000s	\$36.46	\$742,900
	1996	45	335	15,075	1,000s	36.57	551,300
High Elevation	1997	386	382	147,452	1,000s	43.25	6,377,300
	1996	434	378	164,052	1,000s	42.95	7,046,000
CHRISTMAS TREES	1997			20,000	ea	7.69	153,800
	1996			25,000	ea	6.70	167,500
OTHER NURSERY STOCK (Turf, Ornamentals, etc.)	1997						1,400,000
	1996						1,100,000
TOTAL NURSERY STOCK	1997						\$8,674,000
	1996						\$8,864,800

# APIARY PRODUCTS



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>AVG/UNIT</u>	<u>TOTAL</u>
HONEY	1997	673,000	lb	\$.77	\$518,200
	1996	633,000	lb	.79	500,000
BEESWAX	1997	22,800	lb	2.22	50,600
	1996	16,900	lb	2.22	37,500
PACKAGE BEES	1997	16,300	lb	6.96	113,500
	1996	23,000	lb	5.13	118,000
QUEENS	1997	120,800	ea	7.48	903,600
	1996	120,500	ea	7.05	849,500
NUCLEI	1997	5,500	ea	30.71	168,900
	1996	8,600	ea	28.22	242,700
POLLINATION	1997	14,300	col	39.61	566,400
	1996	15,200	col	39.09	594,200
TOTAL APIARY PRODUCTS	1997				\$2,321,200
	1996				\$2,341,900

# 1997 SUSTAINABLE AGRICULTURE REPORT

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>SCOPE OF PROGRAM</u>
<b><u>PEST EXCLUSION</u></b>		
Exotic Pests	126,118 shipments inspected (Common Carriers))	71 rejections 2 pest interceptions
<b><u>PEST DETECTION</u></b>		
Gypsy Moth, Medfly, Oriental Fruit Fly, Melon Fruit Fly, Japanese Beetle, Khapra Beetle	700 traps placed throughout Shasta County to detect the presence of these pests.	None Detected
<b><u>PEST ERADICATION</u></b>		
Dalmanian Toadflax Spotted, Diffuse & Squarrose Knapweeds Scotch & Musk Thistles	Integrated Pest Management	44 sites spread over 4,047 acres throughout the county
<b><u>PEST MANAGEMENT - BIOLOGICAL CONTROL</u></b>		
Yellow Starthistle <i>Centaurea solstitialis</i>	Seed Weevil - <i>Bangasternus orientalis</i>	Generally distributed
	Hairy Weevil - <i>Eustenopus villosus</i>	35 Established Sites 18 New Release Sites
	Gall Fly - <i>Urophora sirunaseva</i>	21 Release Sites
	Peacock Fly - <i>Chaetorellia australis</i>	Generally distributed
Bull Thistle <i>Cirsium vulgare</i>	Gall Fly - <i>Urophora stylata</i>	1 Nursery Site
Spotted Knapweed <i>Centaurea maculosa</i>	Gall Fly - <i>Urophora affinis</i>	1 Experimental Site
	Root Moth - <i>Agapeta zoegana</i>	1 Experimental Site
	Root Boring Weevil - <i>Cyphocleonus achates</i>	1 Experimental Site (additional release in 1997)
	Seedhead Weevil - <i>Bangasternus fausti</i>	1 Experimental Site
	Seedhead Fly - <i>Terellia virans</i>	1 Experimental Site
Purple Loosestrife <i>Lythrum salicaria</i>	Seed Weevil - <i>Nanophyes marmoratus</i>	1 New Release Site
	Root Weevil - <i>Hylobius transversovittatus</i>	1 Experimental Site
Puncture Vine <i>Tribulus terrestris</i>	Seed Weevil - <i>Micolarinus lareynii</i>	Generally distributed at low elevation
	Stem Weevil - <i>Micolarinus lypriformis</i>	Generally distributed at low elevation
St. Johnswort (Klamath Weed) <i>Hypericum perforatum</i>	Klamath Weed Beetle - <i>Chrysolina sp.</i>	Generally distributed

## ORGANIC FARMING STATISTICS

<u>CROPS</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Fruits & Vegetables	5	13



# SHASTA COUNTY

## DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

The mission of the Shasta County Department of Agriculture/Weights and Measures is to promote and protect the agricultural industry of the County, its environment, and to ensure the health and safety of all of its citizens. The department is also responsible for fostering confidence and equity in the marketplace. This mission is fulfilled through the management of five program areas.

### ENVIRONMENTAL PROTECTION

We protect the health and safety of all Shasta County's residents, its agricultural industries, and its environment with a series of comprehensive regulatory programs designed to prevent the introduction of exotic pests and to ensure the safe use of pesticides. The five programs we manage to achieve these goals include:

- Pest Exclusion    ▸ Pest Detection    ▸ Pest Eradication
- Pest Management    ▸ Pesticide Enforcement

### CONSUMER PROTECTION & PRODUCT QUALITY

Product quality programs are designed to ensure the production and sales of quality eggs, honey, fruits, vegetables, nursery and seed products. The six programs include:

- Fruit & Vegetable Quality Control    ▸ Organic Food Production    ▸ Egg Quality Control
- Certified Farmer's Markets    ▸ Nursery Inspection    ▸ Seed Inspection

### SPECIAL AGRICULTURAL SERVICES

These are special mandated services provided locally by our department. The three programs include:

- Apiary Inspection    ▸ Crop Statistics    ▸ Sustainable Agriculture

### MEASUREMENT STANDARDS

Fairness is the name of the game. The gasoline, veggies, fruit, and other items everyone buys are generally sold by weight, measure, or count. We protect the public from purchasing goods that are short weight or measure; and we protect businesses from giving their products and profits away when they use measuring devices which could be inaccurate. We also verify that prices are correctly scanned at the counter, that petroleum products meet quality standards, and that weighmasters provide their customers accurate weighing services. The eight programs include:

- Device Repairmen Regulation    ▸ Weight Verification
- Measurement Verification    ▸ Transaction Verification
- Electric Meters    ▸ Compressed Gas Meters
- Petroleum    ▸ Weighmaster

### ADMINISTRATIVE AND EDUCATIONAL OUTREACH

The Agricultural Commissioner/Sealer of Weights & Measures is responsible for the administration of the department. Staff also participates in a wide range of special projects intended to benefit Shasta County's citizens such as the legislative process and public information and educational outreach efforts.