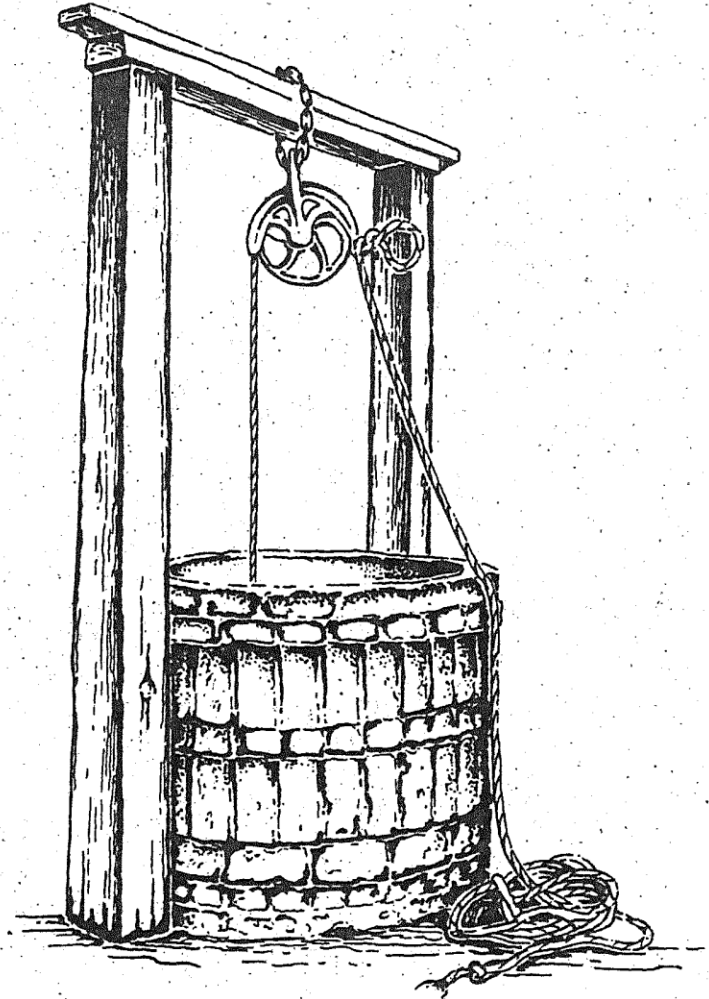


SHASTA COUNTY

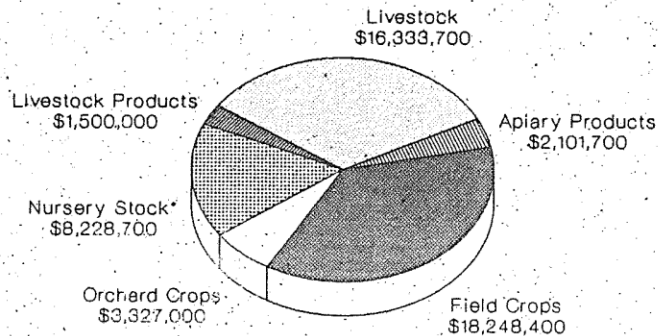
AGRICULTURAL CROP REPORT



1993

SHASTA COUNTY
DEPARTMENT OF AGRICULTURE
3179 Bechelli Lane, Suite 210
Redding, CA 96002

TOTAL VALUE: \$49,939,500



*Includes Christmas Trees

STAFF

Mary Pfeiffer Agricultural Commissioner
 Paul Kjos Deputy Agricultural Commissioner
 John Albright Agricultural Investigator III
 Don McBroome Agricultural Investigator III
 James Morton Agricultural Investigator III
 Jay Thesken Agricultural Investigator III
 Caryn Moen Agricultural Aide
 Bonnie Sanderson Administrative Secretary II
 Barbara Miceli Typist Clerk III

Cover Design

Old well at Rancho Buena Ventura.
 California's northern most rancho, established 1844.
 Original artwork by Jay Thesken.

**ANNUAL CROP REPORT
 FOR
 YEAR ENDING DECEMBER 31, 1993**

**TO: Henry Voss, Secretary
 California Department of Food and Agriculture**

and

The Honorable Board of Supervisors, County of Shasta

Francie Sullivan, Chair, District 3
 Dick Dickerson, District 1
 Irwin Fust, District 2
 Molly Wilson, District 4
 Patricia "Trish" Clarke, District 5

I am pleased to submit, in accordance with Section 2279 of the California Food and Agricultural Code, the Annual Crop Report summarizing Shasta County's 1993 agricultural production. This report presents 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 did not change significantly in 1993 as compared to 1992. Livestock and livestock product values held steady while the values of some field and orchard crops increased. Higher hay prices and higher walnut yields contributed to the increased values for these commodities. The 14% decline in the overall value of nursery stock is due primarily to a reduction in the number of acres of harvested strawberry nursery stock.

The department's annual report on sustainable agriculture is also included in this report. It summarizes the varied activities conducted and methods used to prevent and control the spread of exotic pests in the county. The biological control program continues to increase in importance and popularity with all county residents.

I wish to express my sincere appreciation to the many producers, agricultural business representatives, public agencies, and others for their continued cooperation in supplying the data necessary for this report and to my staff who produced this report.

Respectfully submitted,

MARY PFEIFFER
 Agricultural Commissioner

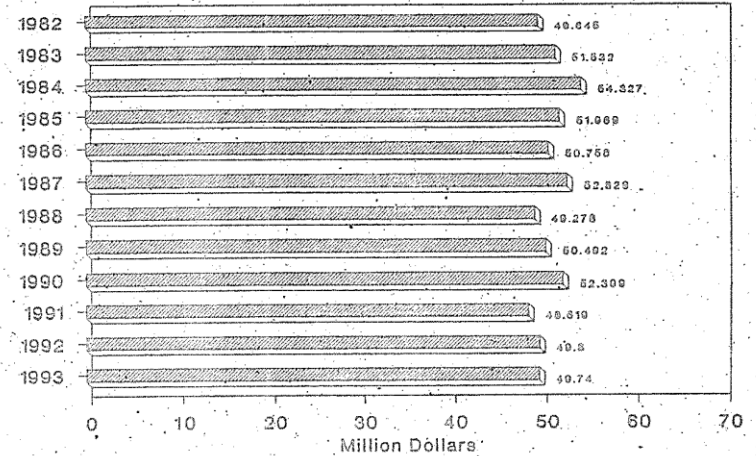
1993 SUSTAINABLE AGRICULTURE REPORT

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>SCOPE OF PROGRAM</u>
<u>PEST EXCLUSION</u>		
Exotic Pests	415,834 shipments inspected (UPS, Post Office, Federal Express, trucks)	45 rejections
<u>PEST DETECTION</u>		
Gypsy Moth Medfly Oriental Fruit Fly Melon Fruit Fly Japanese Beetle Knapra Beetle	856 traps placed throughout Shasta County to detect the presence of these pests.	1 Gypsy Moth trapped
<u>PEST ERADICATION</u>		
Dalmatian Toadflax Spotted Knapweed Scotch Thistle Musk Thistle Diffuse Knapweed Squarrose Knapweed	Controlled by a combination of mechanical and chemical methods.	32 sites spread over 3,500 acres throughout the county
<u>PEST MANAGEMENT</u>		
<u>BIOLOGICAL CONTROL</u>		
Yellow Starthistle <i>Centaurea solstitialis</i>	Seed Weevil <i>Bangasternus orientalis</i> Hairy Weevil <i>Eustenopus villosus</i> Gall Fly <i>Urophora sirunaseva</i>	5 Nursery Sites 18 New Release Sites 1 Nursery Site 8 Nursery Sites
Klamath Weed <i>Hypericum perforatum</i>	Klamath Beetle <i>Chrysolina gemellata</i>	Generally distributed at lower elevations
Puncture Vine <i>Tribulus terrestris</i>	Stem & Seed Weevils <i>Microlarymus</i> sp.	Generally distributed at lower elevations
Ash Whitefly <i>Siphoninus phillyreae</i>	Parasitic Wasp <i>Encarsia inaron</i>	Generally distributed at lower elevations
Western Grapeleaf Skeletonizer <i>Harrisina brillians</i>	Parasitic Wasp <i>Apanteles harrisinae</i> Parasitic Fly <i>Ametadoria mtsella</i>	Generally distributed at lower elevations

ORGANIC FARMING STATISTICS

<u>CROPS</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Fruits & Vegetables	9	78

TOTAL VALUE OF AGRICULTURAL PRODUCTS SHASTA COUNTY, 1982-93



COMPARISON SUMMARY

	<u>1993</u>	<u>1992</u>	<u>1991</u>	<u>1990</u>
LIVESTOCK	\$16,333,700	\$16,986,000	\$18,020,200	\$19,385,800
LIVESTOCK PRODUCTS	1,500,000	1,447,700	700,900	1,662,100
APIARY PRODUCTS	2,101,700	2,581,800	1,667,300	1,527,300
FIELD CROPS	18,248,400	17,082,700	16,908,300	19,298,500
NURSERY STOCK	8,228,700	9,586,800	8,684,100	8,054,200
ORCHARD CROPS	3,327,000	2,115,000	2,637,900	2,471,100
TOTALS	\$49,739,500	\$49,800,000	\$48,618,700	\$52,399,000
TIMBER	0**	\$97,190,000	\$36,170,000	\$36,100,000
OTHER FOREST PRODUCTS	\$14,900,000	\$13,100,000	\$10,307,500	\$ 9,405,000

*Revised

**Not Available

Totals may not add due to rounding.

LIVESTOCK PRODUCTION

	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG/UNIT	TOTAL
CATTLE & CALVES						
Feeders	1993	16,500	99,000	cwt	\$83.61	\$8,277,400
	1992	17,100	104,720	cwt	82.59	8,648,800
Slaughter Cattle	1993	1,875	20,625	cwt	45.00	928,125
	1992	1,875	20,550	cwt	48.00	986,400
Breeding Stock	1993	3,600		head	901.00	3,243,600
	1992	4,000		head	950.00	3,800,000
Pasture Cattle	1993	10,000	20,000	cwt	84.28	1,685,600
	1992	9,500	18,050	cwt	75.80	1,368,200
TOTAL CATTLE	1993					\$14,134,700
	1992					\$14,803,400
SHEEP & LAMBS	1993	2,500	2,375	cwt	62.90	149,400
	1992	2,500	2,375	cwt	61.75	146,700
SWINE	1993	900	990	cwt	50.00	49,500
All Classes	1992	950	1,045	cwt	48.05	50,200
OTHER LIVESTOCK (Fish, Poultry, Goats, etc.)	1993					2,000,100
	1992					1,985,800
TOTAL LIVESTOCK	1993					\$16,333,700
	1992					\$16,986,000

LIVESTOCK PRODUCTS

	YEAR	TOTAL
LIVESTOCK PRODUCTS (Milk, Wool, etc.)	1993	\$1,500,000
	1992	\$1,447,700

APIARY PRODUCTS

	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	1993	766,900	lb	\$.53	\$406,500
	1992	935,200	lb	.51	477,000
BEESWAX	1993	21,200	lb	1.37	29,000
	1992	20,600	lb	1.28	26,400
PACKAGE BEES	1993	74,500	lb	4.46	332,300
	1992	16,400	lb	5.04	82,700
QUEENS	1993	105,500	ea	5.75	606,600
	1992	138,000	ea	5.26	725,900
NUCLEI	1993	6,700	ea	26.76	179,300
	1992	20,400	ea	25.48	519,800
POLLINATION	1993	16,500	col	33.21	548,000
	1992	24,600	col	30.49	750,000
TOTAL APIARY PRODUCTS	1993				\$2,101,700
	1992				\$2,581,800

FOREST PRODUCTS

	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER	1992	370,300,000	bd. ft.	\$97,190,000
	1991	196,700,000	bd. ft.	36,170,000
MISC. FOREST PRODUCTS	1993			\$14,900,000
	1992			13,100,000

FIELD CROPS

	YEAR	HARVEST ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
GRAIN							
Barley	1993	500	1.5	750	ton	\$95.00	\$ 71,300
	1992	1,100	1.9	2,090	ton	93.50	195,400
Wheat	1993	1,200	2.0	2,400	ton	90.00	216,000
	1992	975	2.5	2,437	ton	105.50	257,100
WILD RICE	1993	1,450	1,366	1,980,700	lb	.43	851,700
	1992	1,450	1,466	2,125,700	lb	.52	1,105,400
MISC CROPS (Potatoes, Oats, Sugar Beets, Seed Crops, Truck Crops, etc.)	1993						1,232,500
	1992						1,290,800
HAY							
Alfalfa	1993	9,600	5.5	52,800	ton	95.00	5,016,000
	1992	10,000	5.0	50,000	ton	80.00	4,000,000
Other Hay	1993	17,000	3.0	51,000	ton	86.37	4,404,900
	1992	17,000	3.0	51,000	ton	78.00	3,978,000
PASTURE							
Irrigated	1993	33,000			acre	100.00	3,300,000
	1992	31,000			acre	100.00	3,100,000
Improved	1993	100,000			acre	12.00	1,200,000
	1992	100,000			acre	12.00	1,200,000
Rangeland	1993	326,000			acre	6.00	1,956,000
	1992	326,000			acre	6.00	1,956,000
TOTAL FIELD CROPS	1993						\$18,248,400
	1992						\$17,082,700

ORCHARD CROPS

	YEAR	HARVEST ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WALNUTS	1993	975	1.6	1,560	ton	\$1,230.00	\$1,918,800
	1992	975	1.0	975	ton	1,240.00	1,209,000
FRUIT & NUT CROPS (Apples, Olives, Prunes, Grapes, Kiwis, Pistachios, etc.)	1993	800					1,408,200
	1992	858					906,000
TOTAL ORCHARD CROPS	1993						\$3,327,000
	1992						\$2,115,000

NURSERY STOCK

	YEAR	HARVEST ACRES	PLANTS /ACRE	TOTAL PLANTS	UNIT	AVG/UNIT	TOTAL
STRAWBERRY							
Low Elevation	1993	51	499	25,449	1,000s	\$39.40	\$1,002,700
	1992	98	451	44,198	1,000s	35.48	1,568,100
High Elevation	1993	365	394	143,810	1,000s	41.45	5,961,000
	1992	366	443	162,138	1,000s	39.14	6,346,100
CHRISTMAS TREES	1993			50,000	ea	7.30	365,000
	1992			50,000	ea	7.35	367,500
OTHER NURSERY STOCK (Turf, Ornamentals, etc.)	1993						900,000
	1992						1,305,100
TOTAL NURSERY STOCK	1993						\$8,228,700
	1992						\$9,586,800