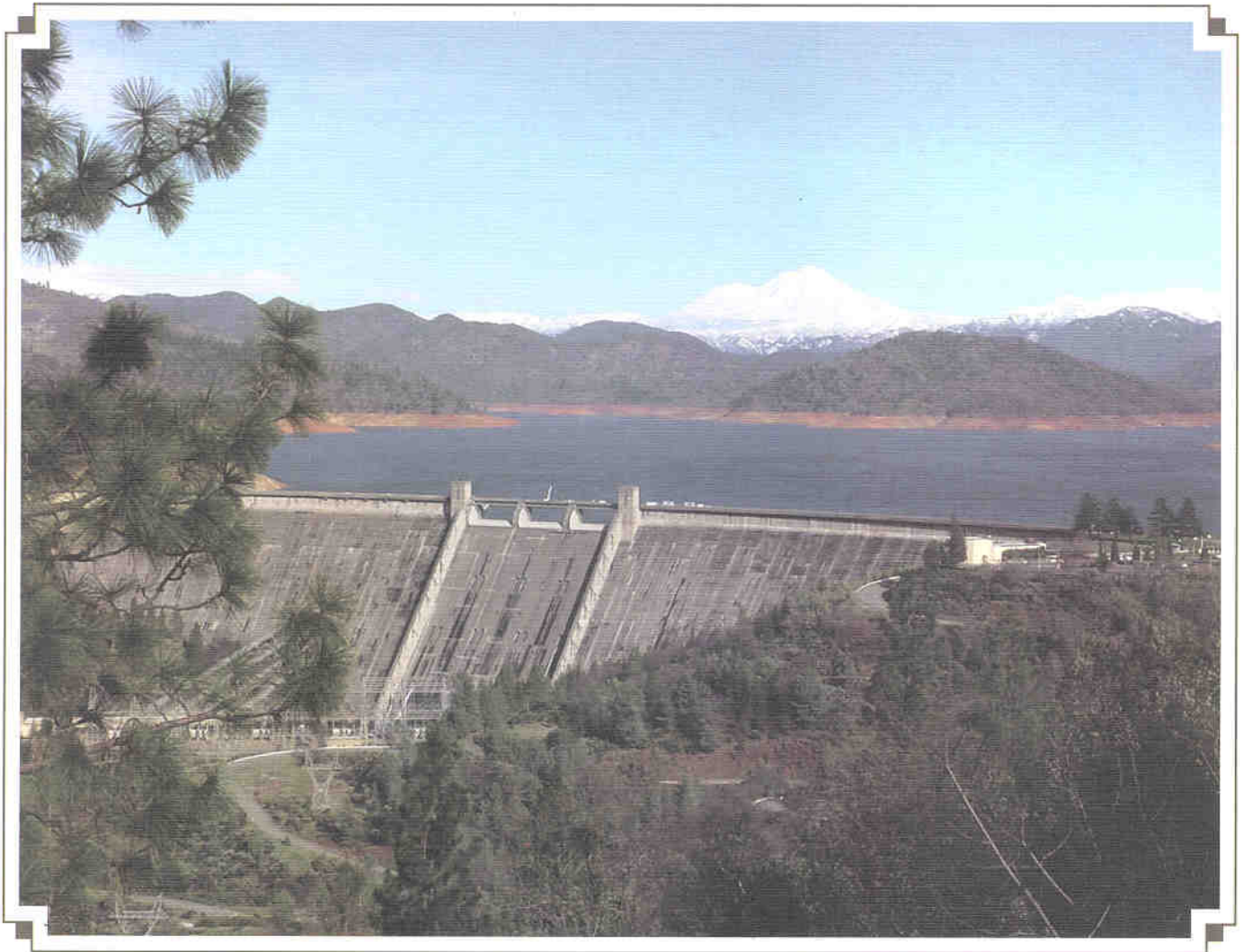


Shasta County



2004 Crop and Livestock Report





Cover: The cover photograph depicts "The Three Shasta's ... Shasta Dam, Shasta Lake, and Mount Shasta." Shasta Dam was completed in 1945 and is the jewel of the Central Valley Project (CVP). At 602 feet high, Shasta Dam is the second tallest dam in the world and impounds the waters of the Sacramento, Pit, and McCloud Rivers. It is an integral part of the CVP, which provides irrigation water for over 2.6 million acres of some of the most productive agricultural lands in the world, drinking water for one million California residents, and flood control. The 46 square mile Shasta Lake has a shoreline of 365 miles and is home to abundant fresh water fisheries, bald eagle nesting habitats, and is a recreational destination to people from around the world. Mount Shasta stands 14,162 feet above sea level and is the second highest volcano in the United States. (Photograph taken by staff member Kevin Martyn.)



Shasta County

Department of Agricultural/Weights & Measures

Mary Pfeiffer
Agricultural Commissioner
Sealer of Weights & Measures

3179 Bechelli Lane, Suite 210, Redding, CA 96002
California Relay Service: 711 or 800-8352922
Voice: 530-224-4949 * Fax: 530-224-4951

TO: A. G. Kawamura, Secretary
California Department of Food and Agriculture

The Honorable Board of Supervisors, County of Shasta County

David Kehoe, Chairman, District 1
Mark Cibula, District 2
Glenn Hawes, District 3
Linda Hartman, District 4
Patricia "Trish" Clarke, District 5

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 2004. This report summarizes the acreage, production, and gross value of agricultural commodities and livestock produced in Shasta County. The value of agricultural products produced in the County was up 10% from the previous year to a new high of \$59,622,700. This increase is due in large part to the ideal pasture conditions and high cattle prices seen in 2004.

Strawberry nursery stock had a strong year, increasing in value by 40%. An increase in the number of acres harvested, higher yields, and higher prices all contributed to the crop's strong performance. The value of the County's field crops increased by 12%. Prices for timothy grass and other hay bolstered the values. Wild rice production and value also increased, while mint and other field crops held steady.

Orchard crops remained stable in 2004. Although the price of walnuts increased, the total value decreased due to a decline in harvested acres. The value of other fruit and nut crops increased 29%. Apiary values declined in 2004 primarily because of a substantial decline in honey prices as well as a reduction in the amount produced.

I would like to thank 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 Carl Yingst.

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

Agricultural Commissioner/ Sealer of Weights and Measures

Mary Pfeiffer

Deputy Agricultural Commissioner/Deputy Sealer

Paul Kjos

Agricultural and Standards Investigators

Paulette Cobb
Mark Conover
Kevin Martyn
Caryn Moen
John Westphal
Carl Yingst

Agricultural and Standards Program Assistants

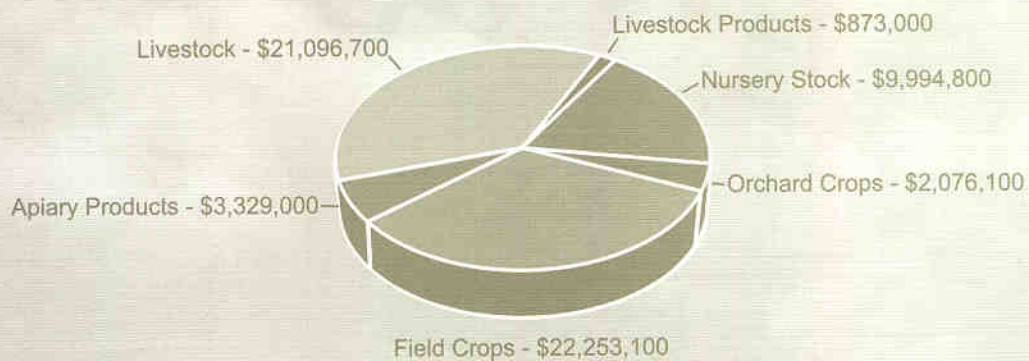
Ray Abernathy
Cheri Johnson

Administrative Staff

Bonnie Sanderson, Agency Staff Services Analyst
Barbara Miceli, Typist Clerk III
Sherry Quaife, Typist Clerk II

Shasta County Livestock & Crop Summary

2004 TOTAL PRODUCTION VALUE: \$59,622,700



COMPARISON SUMMARY

	2004	2003	2002	2001
LIVESTOCK	\$21,096,700	\$18,380,100	\$16,760,100	\$17,412,300
LIVESTOCK PRODUCTS	873,000	845,800	840,000	934,000
APIARY PRODUCTS	3,329,000	5,081,700	3,001,500	2,591,500
FIELD CROPS	22,253,100	19,892,200	20,517,500	20,490,800
NURSERY STOCK	9,994,800	8,017,500	8,756,900	8,830,300
ORCHARD CROPS	2,076,100	2,000,300	2,321,800	1,432,100
TOTALS	\$59,622,700	\$54,217,600	\$52,197,800	\$51,691,000
TIMBER	0*	\$27,731,361	\$39,261,247	\$40,399,186
OTHER FOREST PRODUCTS	\$14,453,100	\$11,221,200	\$15,263,000	\$14,638,200

*Not Available
Totals may not add due to rounding.

TOTAL VALUE OF AGRICULTURAL PRODUCTS 1993-2004



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>
CATTLE & CALVES						
Feeders	2004	16,700	110,220	cwt	\$98.82	\$10,892,000
	2003	16,850	108,009	cwt	89.64	9,687,300
Slaughter Cattle	2004	2,800	39,648	cwt	47.55	1,885,300
	2003	2,780	38,920	cwt	41.68	1,622,200
Breeding Stock	2004	2,900		head	964.00	2,795,600
	2003	2,900		head	879.00	2,549,100
Pasture Cattle	2004	9,200	23,920	cwt	92.00	2,200,600
	2003	9,050	22,360	cwt	77.50	1,732,900
TOTAL CATTLE	2004					\$17,773,500
	2003					\$15,591,500
SHEEP & LAMBS	2004	2,500	2,375	cwt	90.40	214,700
	2003	2,500	2,375	cwt	88.00	209,000
SWINE All Classes	2004	1,000	1,100	cwt	49.50	54,500
	2003	1,000	1,100	cwt	35.70	39,300
OTHER LIVESTOCK (Fish, Poultry, Goats, etc.)	2004					3,054,000
	2003					2,540,300
TOTAL LIVESTOCK	2004					\$21,096,700
	2003					\$18,380,100

Livestock Products

<u>ITEM</u>	<u>YEAR</u>	<u>TOTAL</u>
LIVESTOCK PRODUCTS	2004	\$873,000
	2003	\$845,800

Forest Products

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>TOTAL</u>
TIMBER	2003	122,351	million bd. ft.	\$27,731,361
	2002	152,104	million bd. ft.	\$39,261,247
MISC. FOREST PRODUCTS	2004			\$14,453,100
	2003			\$11,221,200

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	2004	500	1.5	750	ton	\$93.00	\$69,800
	2003	600	1.5	900	ton	85.00	76,500
WILD RICE	2004	4,500	1,350	6,075,000	lb	.42	2,551,500
	2003	3,600	1,150	4,140,000	lb	.39	1,614,600
MINT	2004	2,400	81	194,400	lb	13.00	2,527,200
	2003	2,200	80	176,000	lb	12.00	2,112,000
MISC CROPS (Grain, Seed & Truck Crops, etc.)	2004						401,000
	2003						570,900
HAY							
Alfalfa	2004	5,600	4.9	27,440	ton	115.00	3,155,600
	2003	6,200	5.1	31,620	ton	120.00	3,478,200
Other Hay	2004	14,600	3.4	49,640	ton	103.00	5,113,000
	2003	14,500	3.0	43,500	ton	90.00	3,915,000
Timothy Hay	2004	2,000	5.0	10,000	ton	166.00	1,660,000
	2003	1,800	5.0	9,000	ton	150.00	1,350,000
PASTURE							
Irrigated	2004	33,000			acre	100.00	3,300,000
	2003	33,000			acre	100.00	3,300,000
Improved	2004	100,000			acre	12.00	1,200,000
	2003	100,000			acre	12.00	1,200,000
Rangeland	2004	325,000			acre	7.00	2,275,000
	2003	325,000			acre	7.00	2,275,000
TOTAL FIELD CROPS	2004						\$22,253,100
	2003						\$19,892,200

*Included in Other Hay

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	2004	923	.70	646	ton	\$1,260.00	\$814,000
	2003	928	1.00	928	ton	1,100.00	1,020,800
FRUIT & NUT CROPS (Apples, Olives, Stone Fruit, Grapes, Kiwis, Pistachios, etc.)	2004						1,262,100
	2003						979,500
TOTAL ORCHARD CROPS	2004						\$2,076,100
	2003						\$2,000,300

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>				
STRAWBERRY							
Low Elevation	2004	32	451	14,430	1,000s	\$55.46	\$800,300
	2003	35	392	13,720	1,000s	52.57	721,300
High Elevation	2004	304	379	115,220	1,000s	53.33	6,144,700
	2003	255	313	79,820	1,000s	53.08	4,236,900
CHRISTMAS TREES	2004			10,900	ea	15.69	171,000
	2003			12,160	ea	14.76	179,500
OTHER NURSERY STOCK (Turf, Ornamentals, etc.)	2004						2,878,800
	2003						2,879,800
TOTAL NURSERY STOCK	2004						\$9,994,800
	2003						\$8,017,500

Apiary Products

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>AVG/UNIT</u>	<u>TOTAL</u>
HONEY	2004	275,000	lb	\$1.00	\$275,000
	2003	1,446,500	lb	1.48	2,140,800
BEESWAX	2004	20,000	lb	1.16	23,200
	2003	46,050	lb	1.56	71,800
PACKAGE BEES	2004	29,600	lb	7.28	215,500
	2003	30,400	lb	8.89	270,300
QUEENS	2004	103,000	ea	10.02	1,032,100
	2003	134,900	ea	7.87	1,061,700
NUCLEI	2004	7,640	ea	41.94	320,400
	2003	3,340	ea	36.19	120,900
POLLINATION	2004	27,280	col	53.62	1,462,800
	2003	28,450	col	49.78	1,416,200
TOTAL APIARY PRODUCTS	2004				\$3,329,000
	2003				\$5,081,700

Shasta County's 2004 Agricultural Export Trade Partners

International trade is a vital component of Shasta County's agricultural economy. Commodities produced here are shipped worldwide each year. Shasta County agricultural products were exported to the following forty-seven countries in 2004.



Argentina
Canada
China
Colombia
Costa Rica
Cyprus
Dominican Republic
Ecuador
Egypt
France
Germany
Greece
Guatemala
Honduras
India
Indonesia
Ireland
Israel
Italy
Jamaica
Jordan
Kuwait
Lebanon
Malaysia

Malta
Mexico
Nicaragua
Nigeria
Pakistan
Poland
Portugal
Qatar
Republic of Korea
Russian Federation
Saint Kitts
Scotland
Serbia
Singapore
Spain
Sri Lanka
South Africa
Sweden
Turkey
United Arab Emirates
United Kingdom
Venezuela
Viet Nam

2004 Sustainable Agriculture Report

Pest Exclusion

<u>Inspection Type</u>	<u>Premises Visited</u>	<u>Shipments Inspected</u>	<u>Rejections</u>	<u>Pest Interceptions</u>
Post Office	487	18,779	104	15
United Parcel Service	165	4,063	5	1
Federal Express	180	5,069	27	37
Air Freight	15	17	2	2
Gypsy Moth	15	13	0	1
Truck	97	99	4	5
Specialty Markets	5	5	0	0
Other	52	25	7	12

Significant pest interceptions included South American Spongeplant, Magnolia White Scale, Black Thread Scale, Mango Shield Scale, Anthurium Whitefly, Olive Fruit Fly, Indian Wax Scale, Bigheaded Ant, Spiraling Whitefly, Palm Whitefly, Armoured Scale, Sudden Oak Death, Glassy-winged Sharpshooter, Sessile Joyweed.

Pest Detection

<u>Trap Name</u>	<u>Number of Traps Deployed</u>
Jackson Trap	
Mediterranean Fruit Fly	190
Melon Fruit Fly	80
Oriental Fruit Fly	80
Delta Trap	
Gypsy Moth	350
Japanese Beetle Trap	
Japanese Beetle	80
Exotic Longhorned Beetle	6
Olive Fruit Fly and Temperature Data Station	2
Glassy-winged Sharpshooter	286

Pest Eradication

Pest

Dalmatian Toadflax, Spotted Knapweed, Diffuse Knapweed, Squarrose Knapweed, Scotch Thistle, Musk Thistle, Scotch Broom, Allanthus, Chinese Wisteria, Oblong Spurge, Perennial Pepperweed, Skeletonweed, Canada Thistle, Marlahan Mustard

Agent/Mechanism

Integrated Vegetation Management

Scope of Program

143 sites spread over 5,400 acres throughout the County

2004 Sustainable Agriculture Report

Pest Management - Biological Control

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Program</u>
Yellow Starthistle <i>Centaurea solstitialis</i>	Flower Weevil - <i>Larinus curtus</i> Seed Weevil - <i>Bangasternus orientalis</i> Hairy Weevil - <i>Eustenopus villosus</i> Gall Fly - <i>Urophora sirunaseva</i> Peacock Fly - <i>Chaetorellia australis</i>	4 Experimental Sites Generally distributed Generally distributed Generally distributed Generally distributed
Bull Thistle <i>Cirsium vulgare</i>	Gall Fly - <i>Urophora stylata</i>	1 Experimental Site
Spotted Knapweed <i>Centaurea maculosa</i>	Gall Fly - <i>Urophora quadrifasciata</i> Gall Fly - <i>Urophora affinis</i> Lesser Knapweed Weevil - <i>Larinus minutus</i> Root Moth - <i>Agapeta zoegana</i> Root Boring Weevil - <i>Cyphocleonus achates</i> Seedhead Weevil - <i>Bangasternus fausti</i> Seedhead Fly - <i>Terellia virens</i>	Established Established Established Established Established Established Established
Squarrose Knapweed <i>Centaurea squarrosa</i>	Lesser Knapweed Weevil - <i>Larinus minutus</i> Bronze Rootborer - <i>Sphenoptera jugoslavica</i>	1 Experimental Site 1 Experimental Site
Purple Loosestrife <i>Lythrum salicaria</i>	Leaf Beetles - <i>Galerucella californiensis</i> - <i>Galerucella pusilla</i> Seed Weevil - <i>Nanophyes marmoratus</i> Root Weevil - <i>Hyllobius transversovittatus</i>	5 Experimental Sites 3 Experimental Sites 4 Experimental Sites 5 Experimental Sites
Puncture Vine <i>Tribulus terrestris</i>	Seed Weevil - <i>Micolarinus lareynii</i> Stem Weevil - <i>Micolarinus lypriformis</i>	Generally distributed low elevation Generally distributed low elevation
St. Johnswort (Klamath Weed) <i>Hypericum perforatum</i>	Klamath Weed Beetle - <i>Chrysolina sp.</i>	Generally distributed
Red Gum Lerp Psyllid <i>Glycaspis brimblecombei</i>	Psyllid Parasitoid Wasp - <i>Psyllaephagus bliteous</i>	2 Experimental Sites

Direct Marketing and Organic Farming

Direct Marketing Program

Direct marketing is a system that allows Certified Producers to market their agricultural products directly to consumers via Certified Farmers Markets. The Agricultural Commissioner's Office regulates this program to insure that only certified agricultural products are sold at Certified Farmers Markets.

Certified Farmers Markets 7

Certified Producers 42

Registered Organic Grower Program

<u>Organic Product</u>	<u>Number of Farms</u>	<u>Estimated Acres</u>
Fruits, Vegetables, Grains, Forage, Cattle, Dairy	25	4,880



Shasta County

Department of Agriculture / Weights and Measures
3179 Bechelli Lane, Suite 210
Redding, CA 96002

Telephone: 530.224.4949
Fax: 530.224.4951
Email: shastaag@pacbell.net