

Shasta County



2003 Crop and Livestock Report





SHASTA COUNTY

DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

MARY PFEIFFER
Agricultural Commissioner
Sealer of Weights & Measures

3179 Bechelli Lane, Suite 210, Redding, CA 96002
California Relay Service: 711 or 800-735-2922
Voice: 530-224-4949 * Fax: 530-224-4951

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

The Honorable Board of Supervisors, County of Shasta County

Glenn Hawes, Chairman, District 3
David Kehoe, District 1
Irwin Fust, District 2
Molly Wilson, 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 2003. This report summarizes the acreage, production, and gross value of agricultural commodities and livestock produced in Shasta County.

The gross value of agricultural products produced in Shasta County during 2003 increased by almost four percent to \$54,215,600. The cattle and apiary industries in particular showed a marked increase. Cattle prices increased due to strong demand, and beekeepers benefited not only from a wet spring that increased honey production, but a second year of record high honey prices. The value of mint produced for oil also increased because of a combination of additional harvested acres, higher yields, and increased prices over 2002. Due to a drop in harvested acres, yield, and price, the value of wild rice declined as well. Values for other field crops remained stable.

Yields for orchard crops such as walnuts declined due in part to unusually warm weather. While the harvested acreage of walnuts increased by almost 40%, the yield decreased by a like amount. Yields and prices on other crops remained steady.

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 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

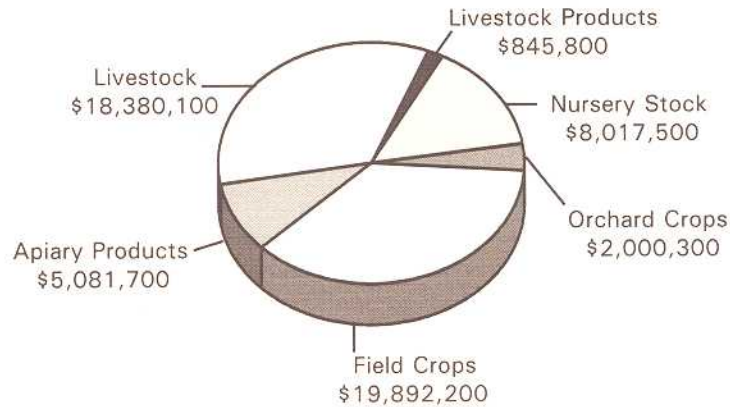
Ray Abernathy
Cheri Johnson

Administrative Staff

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

Shasta County Livestock & Crop Summary

2003 TOTAL PRODUCTION VALUE: \$54,217,600



COMPARISON SUMMARY

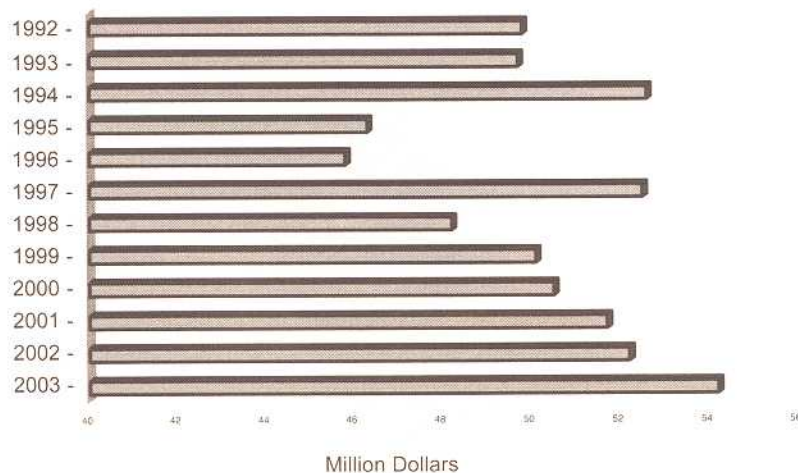
	<u>2003</u>	<u>2002</u>	<u>2001</u>	<u>2000</u>
LIVESTOCK	\$18,380,100	\$16,760,100	\$17,412,300	\$18,438,300
LIVESTOCK PRODUCTS	845,800	840,000	934,000	862,500
APIARY PRODUCTS	5,081,700	3,001,500	2,591,500	2,377,900
FIELD CROPS	19,892,200	20,517,500	20,490,800	18,762,200
NURSERY STOCK	8,017,500	8,756,900	8,830,300	8,212,400
ORCHARD CROPS	<u>2,000,300</u>	<u>2,321,800</u>	<u>1,432,100</u>	<u>1,883,600</u>
TOTALS	\$54,217,600	\$52,197,800	\$51,691,000	\$50,536,900
TIMBER**	0*	\$39,261,247	\$40,399,186	\$49,005,685
OTHER FOREST PRODUCTS	\$11,221,200	\$15,263,000	\$14,638,200	\$13,265,000

*Not Available

Totals may not add due to rounding.

**Amended for prior years

TOTAL VALUE OF AGRICULTURAL PRODUCTS 1992-2003



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	2003	16,850	108,009	cwt	\$89.69	\$9,687,300
	2002	16,850	112,053	cwt	77.64	8,699,800
Slaughter Cattle	2003	2,780	38,920	cwt	41.68	1,622,200
	2002	2,650	37,100	cwt	41.23	1,529,600
Breeding Stock	2003	2,900		head	879.00	2,549,100
	2002	2,900		head	821.00	2,380,900
Pasture Cattle	2003	9,050	22,360	cwt	77.50	1,732,900
	2002	8,600	20,898	cwt	72.50	1,515,100
TOTAL CATTLE	2003					\$15,591,500
	2002					\$14,125,400
SHEEP & LAMBS						
	2003	2,500	2,375	cwt	88.00	209,000
	2002	2,500	2,375	cwt	69.40	164,800
SWINE						
All Classes	2003	1,000	1,100	cwt	35.70	39,300
	2002	1,000	1,100	cwt	34.20	37,600
OTHER LIVESTOCK						
(Fish, Poultry, Goats, etc.)	2003					2,540,300
	2002					2,432,300
TOTAL LIVESTOCK	2003					\$18,380,100
	2002					\$16,760,100

Livestock Products

<u>ITEM</u>	<u>YEAR</u>	<u>TOTAL</u>
LIVESTOCK PRODUCTS	2003	\$845,800
	2002	\$840,000

Forest Products

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>TOTAL</u>
TIMBER	2002	152,104	million bd. ft.	\$39,261,247
	2001	144,513	million bd. ft.	\$40,399,186
MISC. FOREST PRODUCTS	2003			\$11,221,200
	2002			\$15,263,000

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	2003	600	1.5	900	ton	\$85.00	\$76,500
	2002	635	1.0	635	ton	70.00	44,500
WILD RICE	2003	3,600	1,150	4,140,000	lb	.39	1,614,600
	2002	4,100	1,564	6,412,400	lb	.41	2,629,100
MINT	2003	2,200	80	176,000	lb	12.00	2,112,000
	2002	1,900	78	148,200	lb	11.00	1,630,200
MISC CROPS (Grain, Seed & Truck Crops, etc.)	2003						570,900
	2002						628,100
HAY							
Alfalfa	2003	6,200	5.1	31,620	ton	110.00	3,478,200
	2002	6,300	5.1	32,130	ton	120.00	3,855,600
Other Hay	2003	14,500	3.0	43,500	ton	90.00	3,915,000
	2002	14,200	2.5	35,500	ton	110.00	3,905,000
Timothy Hay	2003	1,800	5.0	9,000	ton	150.00	1,350,000
	2002	1,400	5.0	7,000	ton	150.00	1,050,000
PASTURE							
Irrigated	2003	33,000			acre	100.00	3,300,000
	2002	33,000			acre	100.00	3,300,000
Improved	2003	100,000			acre	12.00	1,200,000
	2002	100,000			acre	12.00	1,200,000
Rangeland	2003	325,000			acre	7.00	2,275,000
	2002	325,000			acre	7.00	2,275,000
TOTAL FIELD CROPS	2003						\$19,892,200
	2002						\$20,517,500

*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	2003	928	1.00	928	ton	\$1,100.00	\$1,020,800
	2002	675	1.60	1,080	ton	1,000.00	1,080,000
FRUIT & NUT CROPS (Apples, Olives, Stone Fruit, Grapes, Kiwis, Pistachios, etc.)	2003						979,500
	2002						1,241,800

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	2003	35	392	13,720	1,000s	\$52.57	\$721,300
	2002	27	428	11,560	1,000s	52.12	602,500
High Elevation	2003	255	313	79,820	1,000s	53.08	4,236,900
	2002	310	365	113,150	1,000s	49.41	5,590,700
CHRISTMAS TREES							
	2003			12,160	ea	14.76	179,500
	2002			12,200	ea	14.85	181,200
OTHER NURSERY STOCK (Turf, Ornamentals, etc.)							
	2003						2,879,800
	2002						2,382,500
TOTAL NURSERY STOCK							
	2003						\$8,017,500
	2002						\$8,756,900

Apiary Products

<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>	<u>UNIT</u>	<u>AVG/UNIT</u>	<u>TOTAL</u>
HONEY					
	2003	1,446,500	lb	\$1.48	\$2,140,800
	2002	406,500	lb	1.29	524,400
BEESWAX					
	2003	46,050	lb	1.56	71,800
	2002	11,200	lb	1.58	17,700
PACKAGE BEES					
	2003	30,400	lb	8.89	270,300
	2002	19,500	lb	6.64	129,500
QUEENS					
	2003	134,900	ea	7.87	1,061,700
	2002	124,400	ea	7.85	976,600
NUCLEI					
	2003	3,340	ea	36.19	120,900
	2002	7,275	ea	33.00	240,100
POLLINATION					
	2003	28,450	col	49.78	1,416,200
	2002	24,600	col	45.25	1,113,200
TOTAL APIARY PRODUCTS					
	2003				\$5,081,700
	2002				\$3,001,500

Shasta County's

2003 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-one countries in 2003.



Argentina	Jordan
Benin	Korea
Canada	Kuwait
China	Lebanon
Colombia	Malaysia
Costa Rica	Malta
Cyprus	Mexico
Dominican Republic	Nicaragua
Ecuador	Panama
Egypt	Poland
El Salvador	Portugal
France	Russian Federation
Great Britain	Scotland
Guatemala	Spain
Hong Kong	Sri Lanka
India	So. Korea
Indonesia	Sweden
Ireland	Thailand
Israel	Turkey
Italy	United Arab Emirates
Jamaica	

2003 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	628	20,469	209	18
United Parcel Service	255	5,074	21	2
Federal Express	217	5,786	17	27
Air Freight	16	18	0	1
Gypsy Moth	7	7	0	2
Truck	116	258	0	1
Specialty Markets	23	23	0	0
Other	77	40	14	10

Significant pest interceptions included South American Spongeplant, Eurasian Watermilfoil, Magnolia White Scale, Skeletonweed, Lesser Snow Scale, Carolina Fanwort, Elisae Mealybug.

Pest Detection

<u>Trap Name</u>	<u>Number of Traps Deployed</u>
Jackson Trap	
Mediterranean Fruit Fly	218
Melon Fruit Fly	80
Oriental Fruit Fly	80
Delta Trap	
Gypsy Moth	350
Japanese Beetle Trap	
Japanese Beetle	80
Exotic Longhorned Beetle	3
Olive Fruit Fly	3
Glassy-winged Sharpshooter	286
Vine Mealybug	35

Sterile Medfly recovered in Detection Trap.

Pest Eradication

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Program</u>
Dalmatian Toadflax, Spotted Knapweed, Diffuse Knapweed, Squarrose Knapweed,	Integrated Vegetation Management	137 sites spread over 6,100 acres throughout the County
Scotch Thistle, Musk Thistle, Scotch Broom, Ailanthus, Chinese Wisteria, Oblong Spurge, Perennial Pepperweed, Skeletonweed, Canada Thistle, Marlahan Mustard		

2003 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 New Release 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
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>Hylobius 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 8

Certified Producers 42

Registered Organic Grower Program

Crops	Number of Farms	Estimated Acres
Fruits, Vegetables, Grains, Forage	23	5,515

Shasta County Department of Agriculture
3179 Bechelli Lane, Suite 210
Redding, CA 96002