

**Department of Agriculture
Weights and Measures**

Crop & Livestock Report

2006





Department Of Agriculture/Weights & Measures

Shasta County

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

The Honorable Board of Supervisors, County of Shasta County

Mark Cibula, Chairman, District 2

David Kehoe, District 1

Glenn Hawes, District 3

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Les Baugh, District 5

Lawrence G. Lees, 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 2006. This report summarizes the acreage, production, and gross value of agricultural commodities and livestock produced in Shasta County. It does not attempt to show county inventory, cost of production, or net returns to the grower.

The value of agricultural products produced in the County was up 3% from the previous year to a record high of \$66,244,000. This is due in large part to an increase in the production and prices for field crops and apiary products. It was also another strong year for cattle producers.

Shasta County saw a substantial increase in the value of wild rice from the previous year due to an expansion in the number of acres planted in the County, excellent yields, and higher prices. Acreage of mint grown for oil, was also up and the prices paid to growers for their oil remained strong.

Despite a wet spring and mid season heat wave, walnut returns contributed to an increase in the value of orchard crops. Because of higher fees paid for pollination, the value of apiary products climbed 56%. While the production of package bees was down, honey production increased slightly and prices paid for queen bees rose dramatically.

I would like to thank the many producers, agricultural business representatives, and public agencies that 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

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.

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Staff

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Shasta County Livestock & Crop Summary

2006 Total Production Value: \$66,244,000

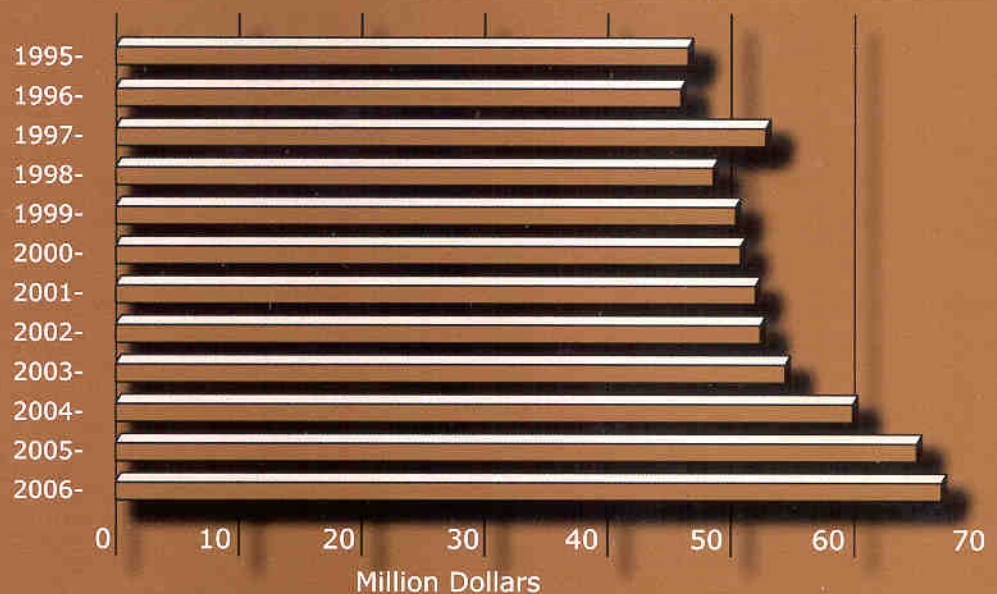


Comparison Summary

	2006	2005	2004	2003
Livestock	\$21,345,800	\$22,894,300	\$21,096,700	\$18,380,100
Livestock Products	768,200	885,000	873,000	845,800
Apiary Products	5,588,000	3,568,300	3,329,000	5,081,700
Field Crops	26,855,900	22,826,600	22,253,100	19,892,200
Nursery Stock	9,288,900	11,774,200	9,994,800	8,017,500
Orchard Crops	2,396,600	2,255,600	2,076,100	2,000,300
TOTALS	\$66,244,000	\$64,204,000	\$59,622,700	\$54,217,600
Timber	0*	\$43,469,158	\$29,827,785	\$27,731,361
Other Forest Prods.	\$23,006,700	\$20,889,700	\$14,453,100	\$11,221,200

*Not Available
Totals may not add due to rounding

Total Value of Agricultural Products 1995-2006



Livestock Production

Item	Year	No. Head	Total Liveweight	Unit	Avg/Unit	TOTAL
<i>Cattle & Calves</i>						
-Feeders	2006	16,650	114,885	cwt	\$93.98	\$10,796,900
	2005	16,650	115,550	cwt	106.69	12,328,000
-Slaughter Cattle	2006	2,700	37,719	cwt	39.35	1,484,200
	2005	2,700	39,312	cwt	47.10	1,851,600
-Breeding Stock	2006	3,100		head	1,170.00	3,627,000
	2005	3,000		head	1,171.00	3,513,000
-Pasture Cattle	2006	9,300	20,460	cwt	93.50	1,913,000
	2005	9,300	23,250	cwt	100.00	2,325,000
<i>Total Cattle</i>	2006					\$17,821,100
	2005					\$20,017,600
<i>Sheep & Lambs</i>	2006	2,500	2,375	cwt	84.00	199,500
	2005	2,500	2,375	cwt	98.90	234,900
<i>Swine</i>	2006	1,000	1,100	cwt	47.90	52,700
-All Classes	2005	1,000	1,100	cwt	50.70	55,800
<i>Other Livestock</i>	2006					3,272,500
-(Fish, Poultry, Goats, etc.)	2005					2,586,000
TOTAL LIVESTOCK	2006					\$21,345,800
	2005					\$22,894,300

Livestock Products

Item	Year	TOTAL
Livestock Prods.	2006	\$768,200
	2005	\$885,000

Forest Products

Item	Year	Production	Unit	TOTAL
Timber	2005	170,690	million bd. ft.	\$43,469,158
	2004	135,723	million bd. ft.	\$29,827,785
Misc. Forest Products	2006			\$23,006,700
	2005			\$20,889,700

Field Crops

Crop	Year	Harvested Acres	Per Acre	Total	Unit	Avg/Unit	TOTAL
Wild Rice	2006	5,200	1,560	8,112,000	lb	\$.64	\$5,191,700
	2005	4,600	1,220	5,612,000	lb	.50	2,806,000
Mint	2006	2,000	85	170,000	lb	14.00	2,380,000
	2005	1,800	92	165,600	lb	12.00	1,987,200
Misc Crops (Grain, Seed and Truck Crops, etc.)	2006						542,300
	2005						616,100
Hay							
-Alfalfa	2006	5,600	5.1	28,560	ton	138.00	3,941,300
	2005	5,700	4.7	26,790	ton	127.00	3,402,300
-Other Hay	2006	14,800	3.0	44,400	ton	114.00	5,061,600
	2005	15,000	2.9	43,500	ton	117.00	5,089,500
-Timothy Hay	2006	2,600	5.7	14,820	ton	200.00	2,964,000
	2005	2,500	4.6	11,500	ton	187.00	2,150,500
Pasture							
-Irrigated	2006	33,000			acre	100.00	3,300,000
	2005	33,000			acre	100.00	3,300,000
-Improved	2006	100,000			acre	12.00	1,200,000
	2005	100,000			acre	12.00	1,200,000
-Rangeland	2006	325,000			acre	7.00	2,275,000
	2005	325,000			acre	7.00	2,275,000
TOTAL FIELD CROPS	2006						\$26,855,900
	2005						\$22,826,600

Orchard Crops

Crop	Year	Harvested Acres	Per Acre	Total	Unit	Avg/Unit	TOTAL
Walnuts	2006	917	1.03	945	ton	\$1,520.00	\$1,436,400
	2005	924	.77	711	ton	1,430.00	1,016,700
Fruit & Nut Crops (Apples, Olives, Stone Fruit, Grapes, Kiwis, Pistachios, etc.)	2006						960,200
	2005						1,238,900
TOTAL ORCHARD CROPS	2006						\$2,396,600
	2005						\$2,255,600

Apiary Products

Item	Year	Production	Unit	Avg/Unit	TOTAL
<i>Honey</i>	2006	110,000	lb	\$.84	\$92,400
	2005	64,000	lb	1.00	64,000
<i>Package Bees</i>	2006	24,800	lb	10.00	248,000
	2005	40,400	lb	10.47	423,000
<i>Queens</i>	2006	95,000	ea	14.50	1,377,500
	2005	97,000	ea	10.56	1,024,300
<i>Nuclei</i>	2006	4,950	ea	58.40	289,100
	2005	3,250	ea	43.65	141,900
<i>Pollination</i>	2006	24,800	col	143.75	3,565,000
	2005	23,360	col	81.06	1,893,600
<i>Misc Apiary Products</i>	2006				16,600
	2005				21,500
TOTAL APIARY PRODUCTS	2006				\$5,588,000
	2005				\$3,568,300



2006 Agricultural Export Trade Partners

2006 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 thirty-four countries in 2006.



Argentina	India	Philippines
Bermuda	Indonesia	Poland
Canada	Ireland	Portugal
Columbia	Jamaica	Puerto Rico
Costa Rica	Jordan	Spain
Cyprus	Lebanon	Sri Lanka
Dominican Republic	Malaysia	Turkey
Ecuador	Mexico	United Arab Emirates
Egypt	Netherlands	United Kingdom
Guam	Norway	Venezuela
Guatemala	Panama	Vietnam
	Peru	

Nursery Stock

Nursery Stock

Crop	Year	Harvested Acres	Plants /Acre	Total	Unit	Avg/ Unit	TOTAL
<i>Strawberry</i>							
-Low Elevation	2006	31	340	10,540	1,000s	\$73.53	\$775,000
	2005	32	440	14,080	1,000s	61.81	870,300
-High Elevation	2006	247	341	84,230	1,000s	67.09	5,651,000
	2005	394	298	117,400	1,000s	70.49	8,275,500
<i>Christmas Trees</i>							
	2006			7,766	ea	10.17	79,000
	2005			11,000	ea	13.81	151,900
<i>Other Nursery Stock</i>							
(Turf, Ornamentals, etc.)	2006						2,783,900
	2005						2,476,500
TOTAL	2006						\$9,288,900
NURSERY STOCK	2005						\$11,774,200

2006 Sustainable Agriculture Report

Significant pest interceptions included Green Garden Looper, Olive Fruit Fly, Pheidole Ant, Technomyrmex Ant, Deathwatch Beetle, Spiraling Whitefly, Kallitaxila Granula "Planthopper", Big-Headed Ant

Pest Exclusion

Inspection Type	Premises Visited	Shipments Inspected	Rejections	Pest Interceptions
Post Office	259	15,780	120	5
United Parcel Service	10	1,686	0	0
Federal Express	162	4,334	10	18
Air Freight	2	2	0	0
Gypsy Moth	10	10	0	0
Truck	131	145	0	1
Specialty Markets	1	1	0	0
Other	9	9	0	1

Pest Detection

Trap Name	Number of Traps Deployed
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
Olive Fruit Fly and Temperature Data Station	2
Glassy-winged Sharpshooter	290

Pest Eradication

Pest	Agent/Mechanism	Scope of Program
Dalmatian Toadflax, Spotted Knapweed, Diffuse Knapweed, Squarrose Knapweed, Scotch Thistle, Musk Thistle, Scotch Broom, Ailanthus, Chinese Wisteria, Oblong Spurge, Perennial Pepperweed, Skeletonweed, Canada Thistle, Marlahan Mustard, Mediterranean Sage	Integrated Vegetation Management	190 sites spread over 6,500 acres throughout the County

Pest Management – Biological Control

Pest	Agent/Mechanism	Scope of Program
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> YST Rust Fungus - <i>Puccinia jaceae var solstitialis</i>	4 Experimental Sites Generally distributed Generally distributed Generally distributed Generally distributed 6 Experimental Sites
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>Hylobius transversovittatus</i>	5 Established 3 Established 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 dist. low elevation Generally dist. 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 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 6
Certified Producers 40

Registered Organic Grower Program

Organic Product	Number of Farms	Estimated Acres
Fruits, Vegetables, Nuts, Grains, Forage, Cattle, Dairy	21	6,765



**Shasta County
Department of Agriculture
Weights and Measures**

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