

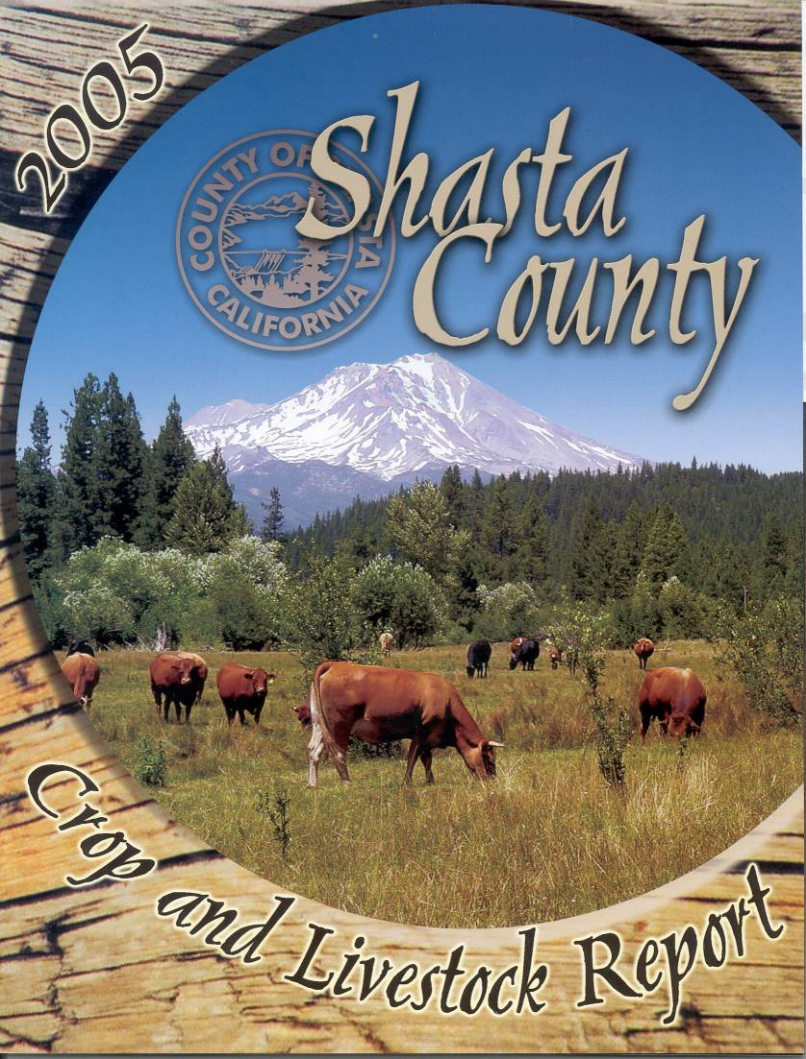
2005



Shasta County

Crop

and Livestock Report



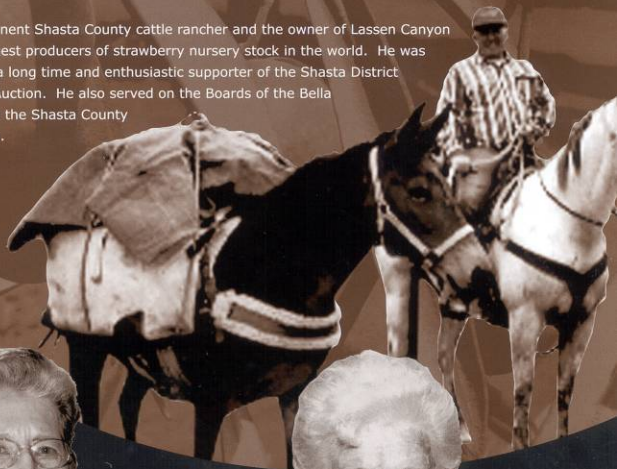
Honoring Our Agricultural Pioneers

Honoring Our Agricultural Pioneers

Recently Shasta County saw the passing of three dynamic individuals who have all made important contributions to the County's agricultural heritage. Beginning in the nineteenth century and continuing through the twenty-first century, each one has not only contributed to the County's rich agricultural legacy, but also made life long contributions to their communities.

Kenny Elwood, Sr.

Mr. Elwood was a prominent Shasta County cattle rancher and the owner of Lassen Canyon Nursery, one of the largest producers of strawberry nursery stock in the world. He was an avid horseman and a long time and enthusiastic supporter of the Shasta District Fair's Junior Livestock Auction. He also served on the Boards of the Bella Vista Water District and the Shasta County Cattlemen's Association.



Lois Park

Mrs. Park, along with her husband Homer Park, launched the beekeeping industry in Palo Cedro. Through their continuous innovations, they revolutionized the production of queen bees and made Palo Cedro the largest queen bee breeding area in the country, a tradition that is carried on today by her family. Mrs. Park was also active in the community, especially the Millville Rebekahs, the Millville Grange, and the Palo Cedro Community Park.



Martha Aldridge

Mrs. Aldridge was a true Shasta County pioneer. A life long resident of Shasta County, she lived in three centuries. She not only worked on the family ranch, but she was also a school teacher. She was a member of the Millville Rebekahs for 82 years. Mrs. Aldridge was also active in the Millville Grange, Shasta County Cattlewomen's Association, and several historical societies.

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

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

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 2005. 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 farm income.

The value of agricultural products produced in the County was up 7% from the previous year to a new high of \$64,204,000. This increase is due in large part to an increase in the number of acres of strawberry plants harvested and another excellent year for cattle producers.

The value of strawberry nursery stock, especially high elevation stock, increased substantially primarily due to higher prices. Lower elevation acreage held steady while also increasing in price. The value of other nursery stock remained stable. Field crops generally increased in both price and acres harvested, led by timothy hay and wild rice. Total values for field crops increased by 2.5% over 2004.

Walnut returns contributed to the overall increase in the value of orchard crops for the year despite a wet spring and late frosts. Honey production was down sharply from previous years, but the price for pollinators was up by 51%. Packaged bee sales numbers were up, as were the prices, leading to an increase in total returns for apiary products.

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

Kevin Martyn
Caryn Moen
James Staggs
Carl Yingst
Lilia Zaharris

Agricultural and Standards Program Associate
Ray Abernathy

Agricultural and Standards Program Assistants
Danial Dupont
Marci Fernandes

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Bonnie Sanderson, Agency Staff Services Analyst II
Sherry Quaife, Administrative Secretary II

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Shasta County Livestock & Crop Summary

2005 Total Production Value: \$64,204,000

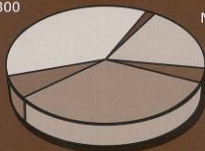
Livestock - \$22,894,300

Livestock Products -
\$885,000

Nursery Stock -
\$11,774,200

Apiary Products -
\$3,568,300

Orchard Crops -
\$2,255,600



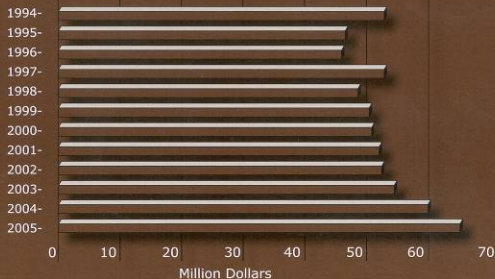
Field Crops - \$22,826,600

Comparison Summary

	2005	2004	2003	2002
Livestock	\$22,894,300	\$21,096,700	\$18,380,100	\$16,760,100
Livestock Products	885,000	873,000	845,800	840,000
Apiary Products	3,568,300	3,329,000	5,081,700	3,001,500
Field Crops	22,826,600	22,253,100	19,892,200	20,517,500
Nursery Stock	11,774,200	9,994,800	8,017,500	8,756,900
Orchard Crops	2,255,600	2,076,100	2,000,300	2,321,800
TOTALS	\$64,204,000	\$59,622,700	\$54,217,600	\$52,197,800
Timber	0*	\$29,827,785	\$27,731,361	\$39,261,247
Other Forest Prods.	\$20,889,700	\$14,453,100	\$11,221,200	\$15,263,000

*Not Available
Totals may not add due to rounding

Total Value of Agricultural Products 1994-2005



Livestock Production

Livestock Production

Item	Year	No.Head	Total Liveweight	Unit	Avg/Unit	TOTAL
Cattle & Calves						
-Feeders	2005	16,650	115,550	cwt	\$106.69	\$12,328,000
	2004	16,700	110,220	cwt	98.82	10,892,000
-Slaughter Cattle	2005	2,700	39,312	cwt	47.10	1,851,600
	2004	2,800	39,648	cwt	47.55	1,885,300
-Breeding Stock	2005	3,000		head	1,171.00	3,513,000
	2004	2,900		head	964.00	2,795,600
-Pasture Cattle	2005	9,300	23,250	cwt	100.00	2,325,000
	2004	9,200	23,920	cwt	92.00	2,200,600
Total Cattle	2005					\$20,017,600
	2004					\$17,773,500
Sheep & Lambs						
	2005	2,500	2,375	cwt	98.90	234,900
	2004	2,500	2,375	cwt	90.40	214,700
Swine						
-All Classes	2005	1,000	1,100	cwt	50.70	55,800
	2004	1,000	1,100	cwt	49.50	54,500
Other Livestock						
-(Fish, Poultry, Goats, etc.)	2005					2,586,000
	2004					3,054,000
TOTAL LIVESTOCK	2005					\$22,894,300
	2004					\$21,096,700

Livestock Products

Livestock Products

Item	Year	TOTAL
Livestock Prods.	2005	\$885,000
	2004	\$873,000

Forest Products

Forest Products

Item	Year	Production	Unit	TOTAL
Timber	2004	135,723	million bd. ft.	\$29,827,785
	2003	122,351	million bd. ft.	\$27,731,361
Misc. Forest Products	2005			\$20,889,700
	2004			\$14,453,100

Field Crops

Field Crops

Crop	Year	Harvested Acres	Per Acre	Total	Unit	Avg/Unit	TOTAL	
Wheat	2005	*						
	2004	500	1.5	750	ton	\$93.00	\$69,800	
Wild Rice	2005	4,600	1,220	5,612,000	lb	.50	2,806,000	
	2004	4,500	1,350	6,075,000	lb	.42	2,551,500	
Mint	2005	1,800	92	165,600	lb	12.00	1,987,200	
	2004	2,400	81	194,400	lb	13.00	2,527,200	
Misc Crops	2005						616,100	
	2004						401,000	
Hay								
	-Alfalfa	2005	5,700	4.7	26,790	ton	127.00	3,402,300
	2004	5,600	4.9	27,440	ton	115.00	3,155,600	
	-Other Hay	2005	15,000	2.9	43,500	ton	117.00	5,089,500
	2004	14,600	3.4	49,640	ton	103.00	5,113,000	
	-Timothy Hay	2005	2,500	4.6	11,500	ton	187.00	2,150,500
	2004	2,000	5.0	10,000	ton	166.00	1,660,000	
PASTURE								
	-Irrigated	2005	33,000		acre	100.00	3,300,000	
	2004	33,000			acre	100.00	3,300,000	
	-Improved	2005	100,000		acre	12.00	1,200,000	
	2004	100,000			acre	12.00	1,200,000	
	-Rangeland	2005	325,000		acre	7.00	2,275,000	
	2004	325,000			acre	7.00	2,275,000	
TOTAL FIELD CROPS								
	2005						\$22,826,600	
	2004						\$22,253,100	

*Included in Misc Crops

Orchard Crops

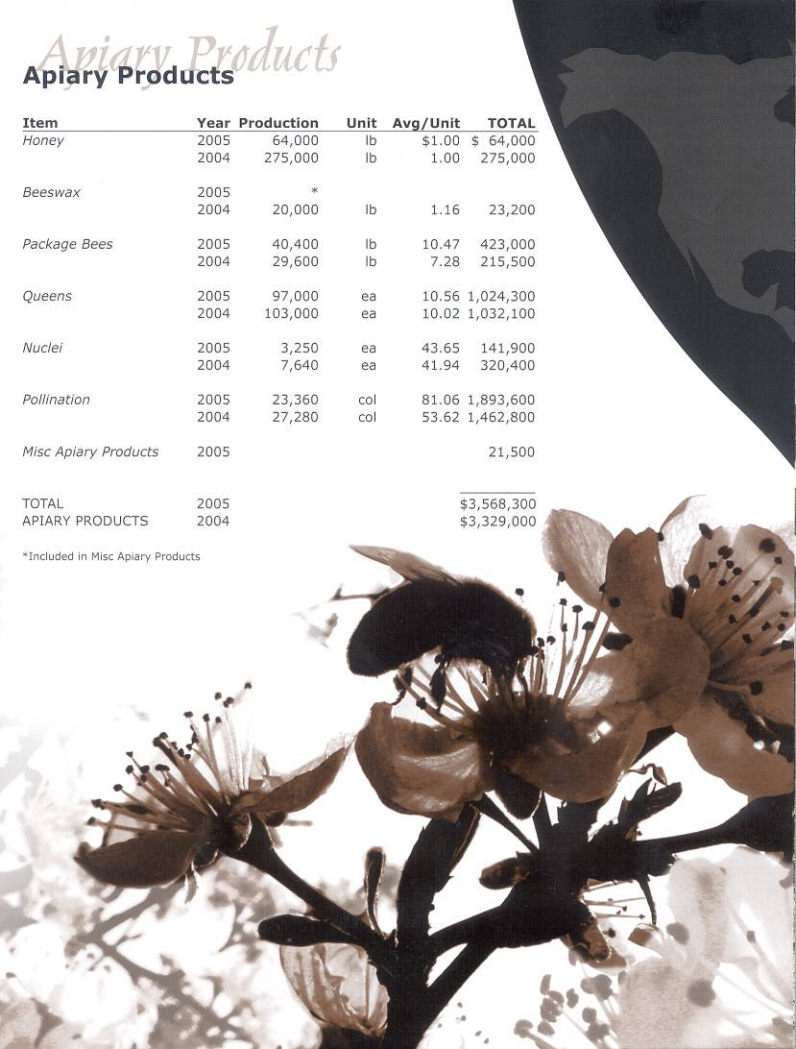
Orchard Crops

Crop	Year	Harvested Acres	Per Acre	Total	Unit	Avg/Unit	TOTAL	
Walnuts	2005	924	.77	711	ton	\$1,430.00	\$1,016,700	
	2004	923	.70	646	ton	1,260.00	814,000	
Fruit & Nut Crops (Apples, Olives, Stone Fruit, Grapes, Kiwis, Pistachios, etc.)	2005						1,238,900	
	2004						1,262,100	
TOTAL ORCHARD CROPS								
	2005						\$2,255,600	
	2004						\$2,076,100	

Apiary Products

Item	Year	Production	Unit	Avg/Unit	TOTAL
Honey	2005	64,000	lb	\$1.00	\$ 64,000
	2004	275,000	lb	1.00	275,000
Beeswax	2005	*			
	2004	20,000	lb	1.16	23,200
Package Bees	2005	40,400	lb	10.47	423,000
	2004	29,600	lb	7.28	215,500
Queens	2005	97,000	ea	10.56	1,024,300
	2004	103,000	ea	10.02	1,032,100
Nuclei	2005	3,250	ea	43.65	141,900
	2004	7,640	ea	41.94	320,400
Pollination	2005	23,360	col	81.06	1,893,600
	2004	27,280	col	53.62	1,462,800
Misc Apiary Products	2005				21,500
TOTAL	2005				\$3,568,300
APIARY PRODUCTS	2004				\$3,329,000

*Included in Misc Apiary Products



2005 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 2005.

Argentina	Finland	Malta
Brazil	France	Mexico
Bulgaria	Guatemala	Netherlands
Canada	India	Nicaragua
China	Indonesia	Saint Kitts
Colombia	Ireland	Spain
Costa Rica	Japan	Tanzania
Cyprus	Jordan	Taiwan
Dominican Republic	Kenya	Turkey
Ecuador	Korea	United Kingdom
Egypt	Kuwait	Venezuela
	Malaysia	

Nursery Stock

Crop	Year	Harvested		Total	Unit	Avg/ Unit	TOTAL
		Acres	Plants /Acre				
<i>Strawberry</i>							
-Low Elevation	2005	32	440	14,080	1,000s	\$61.81	\$870,300
	2004	32	451	14,430	1,000s	55.46	800,300
-High Elevation	2005	394	298	117,400	1,000s	70.49	8,275,500
	2004	304	379	115,220	1,000s	53.33	6,144,700
<i>Christmas Trees</i>	2005			11,000	ea	13.81	151,900
	2004			10,900	ea	15.69	171,000
<i>Other Nursery Stock</i>	2005						2,476,500
(Turf, Ornamentals, etc.)	2004						2,878,800
TOTAL	2005						\$11,774,200
NURSERY STOCK	2004						\$9,994,800

2005 Sustainable Agriculture Report

2005 Sustainable Agriculture Report

Pest Exclusion

Significant pest interceptions included South American Spongeplant, Dyer's Woad, Perennial Peppergrass, Apple Maggot, Palm Whitefly, Mealybug, Spiraling Whitefly, Japanese Dodder, Sterile Mediterranean Fruit Fly, Sudden Oak Death, Glassy-winged Sharpshooter.

Inspection Type	Premises Visited	Shipments Inspected	Rejections	Pest Interceptions
Post Office	272	14,030	131	0
United Parcel Service	14	2,336	0	0
Federal Express	105	3,967	6	7
Air Freight	2	2	0	0
Gypsy Moth	3	3	0	0
Truck	114	116	1	1
Specialty Markets	7	7	0	0
Other	5	2	0	2

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
Exotic Longhorned Beetle	6
Olive Fruit Fly and Temperature Data Station	2
Glassy-winged Sharpshooter	289

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	155 sites spread over 6,900 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 3 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 Loosetrife <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 Sites 3 Established Sites 4 Experimental Sites 5 Experimental Sites
Puncture Vine <i>Tribulus terrestris</i>	Seed Weevil - <i>Micolarinus laeynii</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 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 Producers29

Registered Organic Grower Program

Organic Product	Number of Farms	Estimated Acres
Fruits, Vegetables, Nuts, Grains, Forage, Cattle, Dairy	26	5,942



Shasta County

Department of Agriculture / Weights and Measures

3179 Bechelli Lane, Suite 210
Redding, California 96002

Telephone: 530.224.4949
Fax: 530.224.4951

Email: shastaag@co.shasta.ca.us