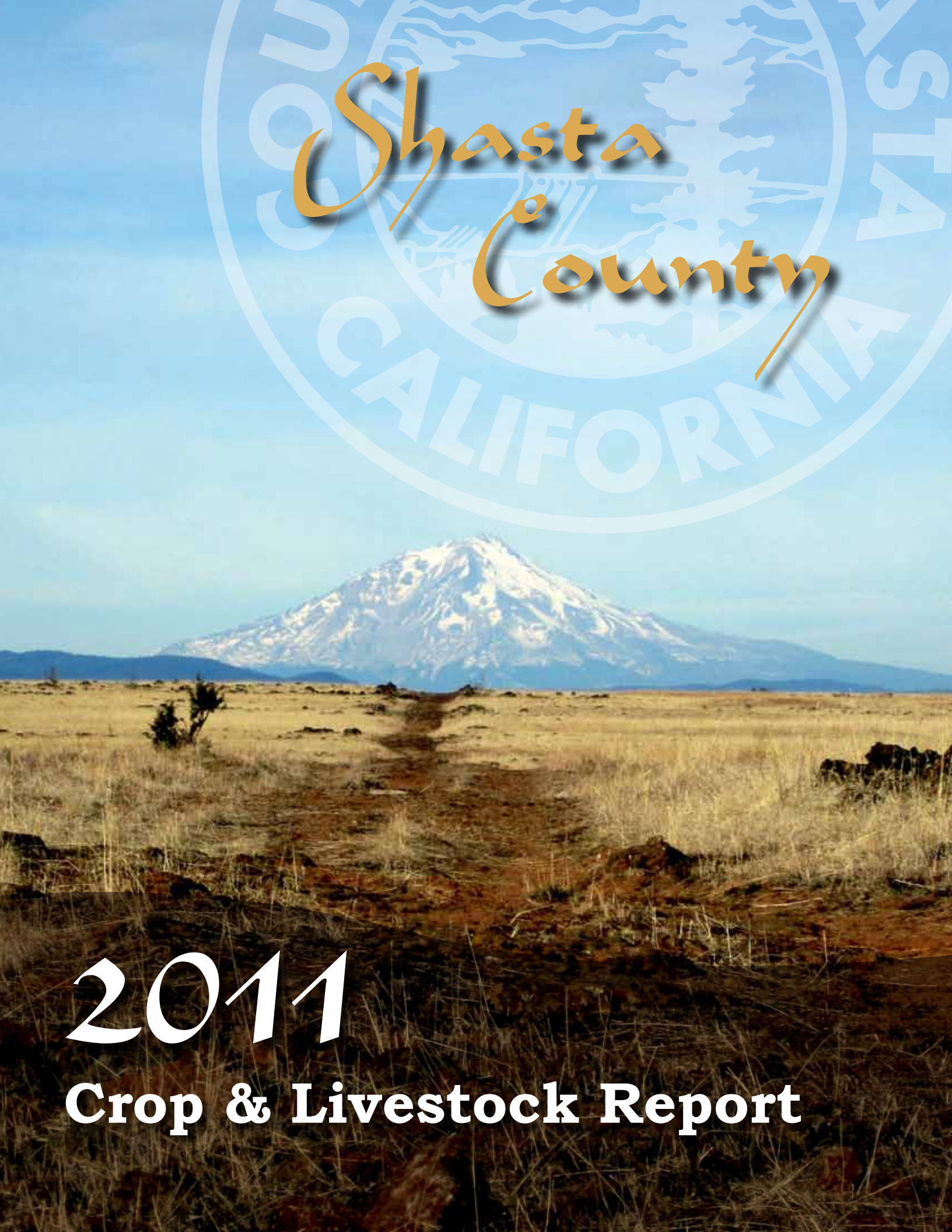


A large, light blue watermark of the Shasta County seal is centered in the upper half of the image. The seal features a central figure holding a staff and a bow, surrounded by the text 'SHASTA COUNTY CALIFORNIA'.

# Shasta County

The background of the entire page is a photograph of a vast, dry, golden-brown field in the foreground. In the distance, a large, snow-capped mountain peak rises against a clear blue sky. The terrain appears to be a high-altitude or semi-arid region.

2011

**Crop & Livestock Report**





*Residing* at the far northern end of the great San Joaquin and Sacramento valleys, Shasta County is an area rich in agriculture, industry, and tourism. With Mt. Shasta's peak ever present to our north, and the volcanic dome of Mt. Lassen just off to our east, Shasta County is located in the shadows of both agricultural and geologic history.

The rich soil of the Fall River Valley in our northeast has, through the ages, been filled with volcanic ash and basaltic runoff, along with an abundance of water. This combination of natural resources makes this valley a prime area for agriculture. The rolling foothills leading from the valley floor to the mountain passes offers vast grassland for cattle ranchers, with year round feed and mild winters. It also is home to a rapidly growing wine grape industry now producing award winning wines.

Down in the valley floor sits the population center of the county, with the Interstate 5 corridor passing through. Redding is home to a variety of resource based industries such as timber, cogeneration plants and nurseries, as well as a booming tourist industry. Shasta Lake, Whiskeytown Lake and the Sacramento River all offer sporting and recreational opportunities for visitors and residents alike.

Along with the metropolitan aspect of the valley areas, orchards, field crops and a variety of specialty crops are grown throughout the region, with spring and summer bringing a variety of farmers markets filled with fresh fruits and vegetables. Organic farms are on the rise in the area, providing a wider variety of produce for consumers.

Yes, our county is growing, and it's no wonder people want to move to this area, with the natural resources, the agricultural atmosphere and a warm sunny climate, it attracts people from all over the country. So as you pass through this part of the state, take the time to enjoy the wonderful agricultural products, visit a farmers' market, taste some of the fine wines, and cherish the pleasant scenery of Shasta County.





# SHASTA COUNTY

## DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

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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: Karen Ross, Secretary  
California Department of Food and Agriculture

The Honorable Board of Supervisors, County of Shasta

Leonard Moty, Chairman, District 2  
David A. Kehoe, District 1  
Glenn Hawes, District 3  
Linda Hartman, District 4  
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 2011. 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.

In 2011 the value of agricultural products produced in Shasta County increased to just over \$76,328,000, up almost 8% from the previous year. The increase can primarily be attributed to price increases for cattle, and field crops.

Cattle prices received in 2011 were near an all time high as a result of decreasing supply of cattle nationwide, which drove market prices higher throughout the year. Field crop values increased due to a variety of reasons, the first being an increase in acreage and prices received for wild rice. The second reason for improved field crop values is due to the increase in hay crop inventories and average price per ton received for various hay crops. Depending on the variety, prices increased anywhere from \$40.00 to \$76.00 per ton on average. The various hay crops were not the only commodities experiencing a substantial increase in prices this year. Walnut prices were up nearly 33% to \$2000.00 per ton and if we had experienced a normal spring, we could have seen record breaking numbers for the walnut industry. Unfortunately, yields were down for walnuts, grapes, and small agricultural producers due to freezing temperatures and hail storms in late spring. The timing of these weather events prevented orchard and vine crops from maturing before summer, which in turn, led to decreased yields for the 2011 season.

This report also includes a summary of notable pest exclusion, detection, and eradication efforts which have been completed by the Department in 2011.

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 Investigators John Ingram and 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.

# Special Acknowledgement

The Department would like to acknowledge and thank Caryn Moen, recently retired Agricultural and Standards Investigator, for her 27 years of service to the Shasta County Department of Agriculture/Weights & Measures and her commitment to the citizens of Shasta County. Her knowledge and passion for the work and her dedication to customer service will be missed. We wish her the best in retirement.



## Staff

### **Agricultural Commissioner/ Sealer of Weights and Measures**

Mary Pfeiffer

### **Deputy Agricultural Commissioner/Deputy Sealer**

Paul Kjos

### **Agricultural and Standards Investigators**

Carl Yingst  
James Staggs  
Caryn Moen  
John Ingram  
Michael Darrow  
Adam Davy

### **Agricultural and Standards Program Associates**

Ben Gammon

### **Agricultural and Standards Program Assistants**

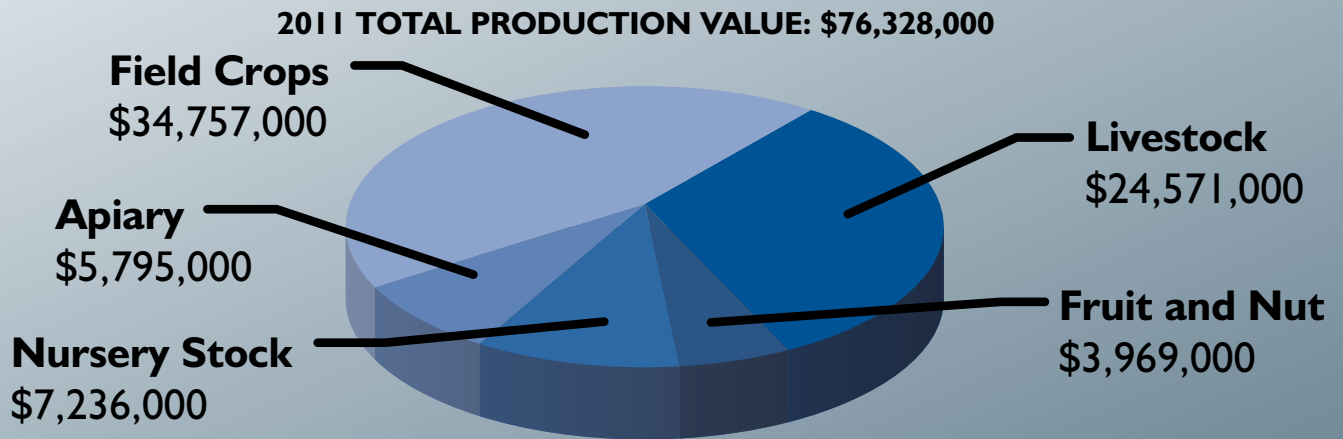
Danial Dupont  
Marci Fernandes

### **Administrative Staff**

Mel Howard, Agency Staff Services Analyst II  
Lori Peisker, Administrative Secretary II  
Darlene Atkins, Typist Clerk II

Shasta County does not discriminate on the basis of disability in access to its programs or facilities, or regarding employment. Questions or complaints? Need an alternate format for this publication or aid or assistance for effective communication? Contact Michelle Shaffer at (530) 225-5515; relay service (800) 735-2922; fax (530) 225-5345; email [adacoordinator@co.shasta.ca.us](mailto:adacoordinator@co.shasta.ca.us).

# Shasta County Livestock & Crop Summary



## COMPARISON SUMMARY

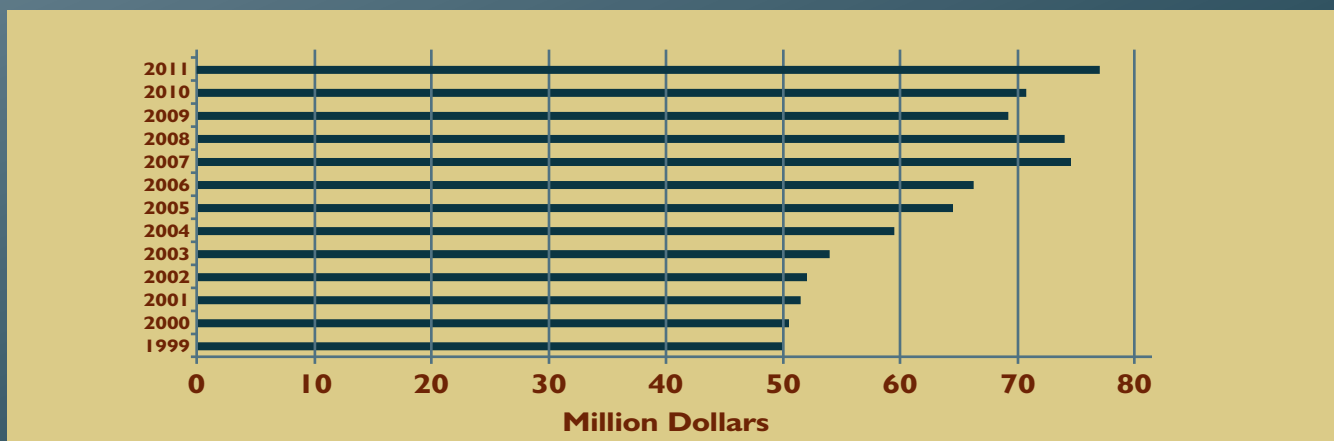
	2011	2010	2009	2008
LIVESTOCK	\$24,571,000	\$22,754,000*	\$19,921,900	\$19,538,500
LIVESTOCK PRODUCTS	**	**	**	902,000
APIARY PRODUCTS	5,795,000	5,430,000	5,130,400	5,272,800
FIELD CROPS	34,757,000	29,135,000	33,218,500	37,322,000
NURSERY STOCK	7,236,000	9,182,000	8,127,000	9,189,300
FRUIT & NUT CROPS	3,969,000	4,259,000	2,770,900	1,789,500
<b>TOTALS</b>	<b>76,328,000</b>	<b>\$70,760,000*</b>	<b>\$69,168,600</b>	<b>\$74,014,100</b>
TIMBER	40,381,470	\$16,665,093	\$7,031,927	\$33,600,995
OTHER FOREST PRODUCTS	12,732,000	\$22,922,000	\$24,343,600	\$23,246,000

\*Revised Number

\*\*Livestock Products are now included in Livestock

Totals may not add due to rounding.

## TOTAL VALUE OF AGRICULTURAL PRODUCTS 1999-2011





# Livestock Production

ITEM	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG/UNIT	TOTAL
<b>CATTLE &amp; CALVES</b>						
Feeders	2011	12,250	91,875	cwt	126.26	\$11,600,000
	2010	15,800	118,500	cwt	105.97	\$12,557,000
Slaughter Cattle	2011	2,500	30,000	cwt	60.22	1,807,000
	2010	3,000	34,500	cwt	56.70	1,956,000
Breeding Stock	2011	3,000		head	1,375.00	4,125,000
	2010	3,000		head	1,061.00	3,183,000
Pasture Cattle	2011	12,000	30,000	cwt	124.00	3,720,000
	2010	8,800	20,680	cwt	111.00	2,295,000
TOTAL CATTLE	2011					\$21,252,000
	2010					\$19,991,000
<b>SHEEP &amp; LAMBS</b>						
	2011	2,500	3,025	cwt	121.00	366,000
	2010	2,500	2,375	cwt	106.00	252,000
<b>SWINE</b>						
All Classes	2011	1,000	2,250	cwt	71.00	160,000
	2010**	1,000	2,250	cwt	54.90	124,000
<b>OTHER LIVESTOCK*</b>						
	2011					2,793,000
	2010					2,387,000
<b>TOTAL LIVESTOCK</b>						
	2011					\$24,571,000
	2010**					\$22,754,000

\*Fish, Poultry, Goats, Livestock Products etc.

\*\*Revised number

# Forest Products

ITEM	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER	2011	186,833	million bd. ft.	\$40,381,470
	2010	151,116	million bd. ft.	\$16,665,000
MISC. FOREST PRODUCTS	2011			\$12,732,000
	2010			\$22,922,000

# Field Crops



CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WILD RICE	2011	5,000	1,662	8,310,000	lb	.51	\$4,238,000
	2010	4,300	1,440	6,192,000	lb	.45	\$2,786,000
MINT	2011	225	80	18,000	lb	25.00	450,000
	2010	800	78	62,400	lb	19.00	1,186,000
MISC CROPS*	2011						1,491,000
	2010						2,013,000
<b>HAY</b>							
Grass	2011	4,800	4.0	19,200	ton	211.00	4,051,000
	2010	3,800	3.8	14,400	ton	144.00	2,080,000
Alfalfa	2011	3,000	4.6	13,800	ton	194.00	2,677,000
	2010	3,000	5.3	15,900	ton	118.00	1,876,000
Other Hay	2011	13,000	4.0	52,000	ton	190.00	9,880,000
	2010	13,000	4.0	52,000	ton	150.00	7,800,000
Timothy Hay	2011	3,000	5.0	15,000	ton	278.00	4,170,000
	2010	3,400	5.5	18,700	ton	247.00	4,619,000
<b>PASTURE</b>							
Irrigated	2011	33,000			acre	125.00	4,125,000
	2010	33,000			acre	100.00	3,300,000
Improved	2011	100,000			acre	14.00	1,400,000
	2010	100,000			acre	12.00	1,200,000
Rangeland	2011	325,000			acre	7.00	2,275,000
	2010	325,000			acre	7.00	2,275,000
<b>TOTAL FIELD CROPS</b>	<b>2011</b>						<b>\$34,757,000</b>
	<b>2010</b>						<b>\$29,135,000</b>

\* Grain, Seed, Vegetables, Potatoes, Garlic etc.

# Fruit & Nut Crops

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WALNUTS	2011	955	1.5	1,433	ton	2,000.00	\$2,866,000
	2010	950	1.9	1,805	ton	1,504.00	\$2,715,000
MISC CROPS*	2011						725,000
	2010						906,000
<b>WINE GRAPES</b>							
Black and White	2011	150	2.4	360	ton	1,050	378,000
	2010	160	3.8	608	ton	1,050	638,000
<b>TOTAL ORCHARD CROPS</b>	<b>2011</b>						<b>\$3,969,000</b>
	<b>2010</b>						<b>\$4,259,000</b>

\* Apples, Olives, Stone Fruit, Pistachios, Berries etc.





## Apiary Products

ITEM	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	2011	145,853	lb	1.81	\$264,000
	2010	113,655	lb	1.57	\$178,000
QUEENS	2011	120,715	ea	20.34	2,455,000
	2010	106,955	ea	14.50	1,551,000
NUCLEI	2011				*
	2010	6,697	ea	62.50	419,000
POLLINATION	2011	14,980	colonies	151.00	2,262,000
	2010	15,210	colonies	151.00	2,297,000
MISC APIARY PRODUCTS**	2011				814,000
	2010				985,000
<b>TOTAL APIARY PRODUCTS</b>	<b>2011</b>				<b>\$5,795,000</b>
	<b>2010</b>				<b>\$5,430,000</b>

\* Now included under Miscellaneous Apiary Products  
 \*\* Includes Package Bees, Beeswax, and Medicinal Bees





# Shasta County's - 2011 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-three countries in 2011.

Argentina	French Polynesia	Morocco
Australia	Germany	Netherlands
Bangladesh	Greece	Oman
Cambodia	Guatemala	Panama
Canada	Haiti	Philippines
Chile	India	Portugal
China	Indonesia	Qatar
Colombia	Italy	Spain
Costa Rica	Jordan	Tunisia
Cyprus	Korea	Turkey
Dominica	Kuwait	Uruguay
Dominican Republic	Lebanon	Venezuela
Ecuador	Malaysia	Zimbabwe
Egypt	Mexico	
France	Moldova	



## Nursery Stock



CROP	YEAR	TOTAL	AVG/ UNIT	UNIT	TOTAL
NURSERY STOCK*	2011				\$7,127,000
	2010				\$9,081,000
CHRISTMAS TREES	2011	10,315	ea	10.60	109,000
	2010	9,839	ea	10.30	101,000
<b>TOTAL NURSERY STOCK</b>	<b>2011</b>				<b>\$7,236,000</b>
	<b>2010</b>				<b>\$9,182,000</b>

\* Strawberry Nursery Stock, Turf, Ornamentals



# 2011 Sustainable Agriculture Report

Significant pest interceptions included Scotch Thistle, Diffuse Knapweed, Skeleton Weed, Douglas Fir Tussock Moth, Burrowing Webworm, Big Headed Ant, Citrus Mealybug, Brown Soft Scale, Pineapple Scale, Greenhouse Whitefly, Longtailed mealybug, and Hawaiian Thrips.

Inspection Type	Premise Visits	Shipments Inspected	Rejections	Pest Interceptions
Post Office	248	1894	26	0
United Parcel Service	13	401	1	0
Federal Express	192	2682	17	44
Gypsy Moth	7	7	0	0
Truck	95	172	0	0
Other	3	7	0	0

## Pest Detection

Trap Type	Number of Traps Deployed
Jackson Trap	
Mediterranean Fruit Fly	190
Melon Fruit Fly	80
Oriental Fruit Fly	80
Delta Trap	
Gypsy Moth	350
European Grapevine Moth	30
Japanese Beetle Trap	
Japanese Beetle	80
Glassy-winged Sharpshooter	300
Light Brown Apple Moth	190
Asian Citrus Psyllid	40

## Pest Eradication

### Pest

Ailanthus, Canada Thistle, Chinese Wisteria, Dalmation Toadflax, Diffuse Knapweed, Marlahan Mustard, Mediterranean Sage, Musk Thistle, Oblong Spurge, Perennial Pepperweed, Scotch Broom, Scotch Thistle, Skeletonweed, Spotted Knapweed, Squarrose Knapweed.

### Agent/Mechanism

Integrated Vegetation Management

### Scope of Program

372 sites spread over 36,200 acres throughout the County

## Direct Marketing & Organic Farming





## 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 Established Sites Generally distributed Generally distributed Generally distributed Generally distributed 6 Release Sites
Bull Thistle <i>Cirsium vulgare</i>	Gall Fly - <i>Urophora stylata</i>	1 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 Established
Squarrose Knapweed <i>Centaurea squarrosa</i>	Lesser Knapweed Weevil - <i>Larinus minutus</i> Bronze Rootborer - <i>Sphenoptera jugoslavica</i>	1 Release Site 1 Release 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 Sites 3 Established Sites 4 Release Sites 5 Release 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 Release Sites

## 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 - 11

Certified Producers - 66

## Registered Organic Program

Organic Products	Number of Farms	Estimated Acres
Fruits, Vegetables, Nuts, Grains, Forage, Hay, Cattle, Eggs	27	1,734





# Shasta County

**Department of Agriculture / Weights and Measures**

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Redding, California 96002**

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