

# *Shasta County*



**2012**

**Crop & Livestock Report**





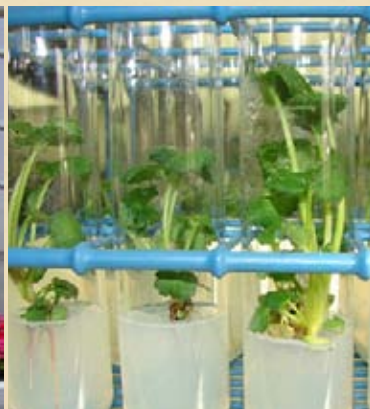
*When* one thinks of a career in agriculture, a picture of a lone farmer on a tractor or a rancher on horseback working livestock will often come to mind. In reality the picture is quite different. While that independent farmer or rancher still represents the core of our agricultural heritage, the breadth of career opportunities in agriculture rival that of any other sector of our economy. Now, more than ever, there are endless career opportunities in agriculture for highly educated, technically skilled, creative and motivated individuals.

As the world's population continues to expand, natural resources, such as water and cropland, become more precious. Global climate change is also starting to impact traditional food systems worldwide. In order to continue feeding the world, crop yields must increase, while using less water and conserving fertile soils. Not only will agronomists, soil scientists, and veterinarians continue to be needed, but the demand for all types of professionals not often associated with agricultural careers will expand. Opportunities for agricultural, mechanical and software engineers, transportation and GIS specialists, environmental and computer scientists, accountants, business managers and many others will continue to grow. California and its world renowned agricultural universities have been on the cutting edge of education and research for decades, helping to meet these pressing needs. In fact the University of California, Davis was just ranked as the top agricultural university in the world by the international university ranking organization, QS World University Rankings.

While the University of California and the California State University systems are recognized as world leaders in preparing tomorrow's agricultural leaders, we are fortunate to have robust agricultural programs at Shasta College and in our high schools. Our 4-H and FFA programs are very active throughout the county. These volunteer programs not only lay the foundation for a career in agriculture, but also teach leadership, team building, responsibility and organizational skills. Even if a youngster does not pursue an agricultural career, these skills will serve them well in any endeavor.

Shasta County's 4-H program has almost 600 participants ranging in age from 9 to 19. There are also several hundred students in the area's FFA programs. Many of these students will continue their education at Shasta College, one of the few community colleges in California with a campus farm for hands on learning. Classes leading to a wide range of associate's degrees are offered, as well as vocational certificate programs for those students who may not choose to continue their education beyond the community college level. The college recently established a Pest Control Advisor Certificate which will allow local students another professional opportunity.

The days of agricultural careers being limited to working with the soil or livestock are gone. Opportunities abound for those with the technical, scientific, or business skills needed to produce and market the world's food, fiber, flora, and fuels.





# 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: Karen Ross, Secretary  
California Department of Food and Agriculture

The Honorable Board of Supervisors, County of Shasta

David A. Kehoe, Chairman, District 1  
Leonard Moty, District 2  
Pam Giacomini, District 3  
Bill Schappell, District 4  
Les Baugh, District 5

Lawrence G. Lees, County Executive 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 2012. 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 2012 the value of agricultural products produced in Shasta County rose to just over \$77,241,000, up 1% from the previous year. The modest increase can primarily be attributed to higher prices for field crops and nursery stock.

Field crop values were higher due largely to an increase in the prices received for wild rice and hay crops. The price for wild rice increased 31% in 2012. Timothy hay and other grass hay prices were at all time highs for the 2012 season. The value of Timothy was up 6% over the previous year's price and regular grass hay was up 8% for the same time period. The various hay crops were not the only commodities whose values increased during the year. The county's nursery stock was also in high demand, driving the total sales of the category up 23% over 2011 figures. Unfortunately, yields and total value were down for walnuts, grapes, and miscellaneous orchard crops due to freezing temperatures and hail storms in late spring.

This report also includes a summary of notable pest exclusion, detection, and eradication efforts which have been completed by the Department in 2012.

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.

## 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  
John Ingram  
Michael Darrow  
Adam Davy

### **Agricultural and Standards Program Associate**

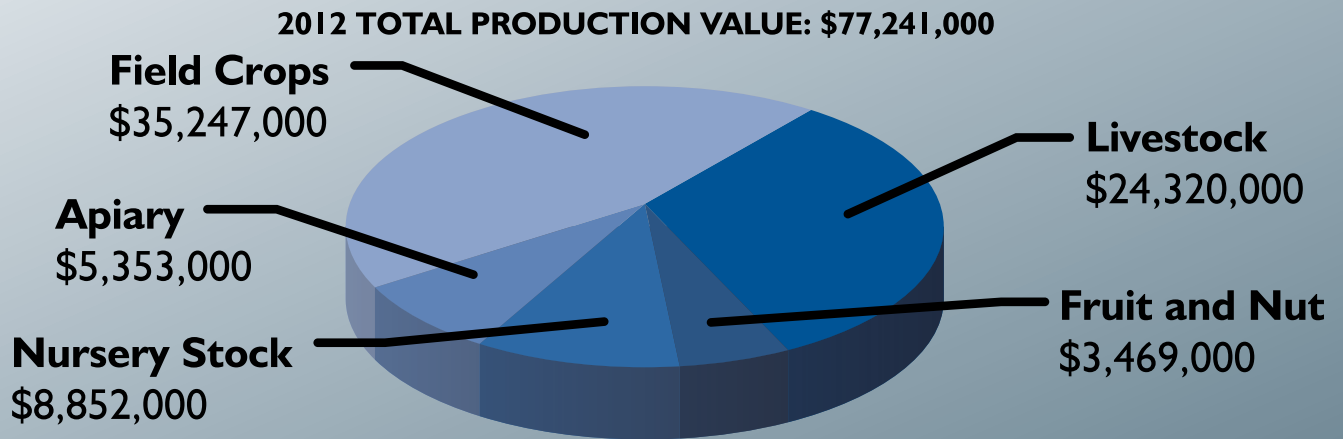
Marci Fernandes

### **Administrative Staff**

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

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# Shasta County Livestock & Crop Summary

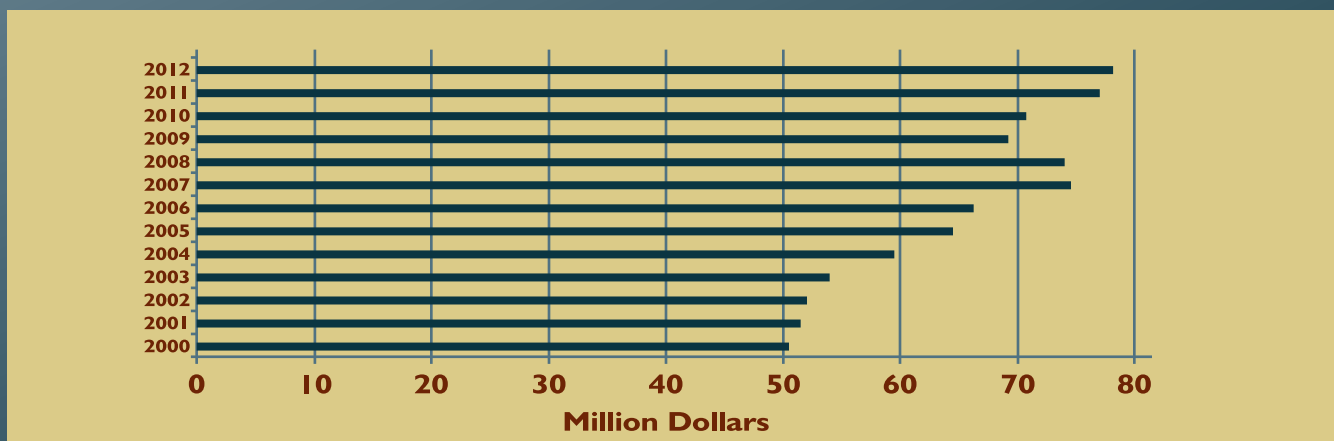


## COMPARISON SUMMARY

	2012	2011	2010	2009
LIVESTOCK	\$24,320,000	\$24,571,000	\$22,754,000	\$19,921,900
APIARY PRODUCTS	5,353,000	5,795,000	5,430,000	5,130,400
FIELD CROPS	35,247,000	34,757,000	29,135,000	33,218,500
NURSERY STOCK	8,852,000	7,236,000	9,182,000	8,127,000
FRUIT & NUT CROPS	3,469,000	3,969,000	4,259,000	2,770,900
<b>TOTALS</b>	<b>77,241,000</b>	<b>76,328,000</b>	<b>\$70,760,000</b>	<b>\$69,168,600</b>
TIMBER	35,736,181	40,381,470	\$16,665,093	\$7,031,927
OTHER FOREST PRODUCTS	15,692,757	12,732,000	\$22,922,000	\$24,343,600

Totals may not add due to rounding.

## TOTAL VALUE OF AGRICULTURAL PRODUCTS 2000-2012





# Livestock Production

ITEM	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG/UNIT	TOTAL
<b>CATTLE &amp; CALVES</b>						
Feeders	2012	12,500	81,250	cwt	140.50	\$11,416,000
	2011	12,250	91,875	cwt	126.26	\$11,600,000
Slaughter Cattle	2012	2,750	33,000	cwt	72.70	2,399,000
	2011	2,500	30,000	cwt	60.22	1,807,000
Breeding Stock	2012	3,000		head	1,385.00	4,155,000
	2011	3,000		head	1,375.00	4,125,000
Pasture Cattle	2012	11,500	23,000	cwt	134.25	3,088,000
	2011	12,000	30,000	cwt	124.00	3,720,000
TOTAL CATTLE	2012					\$21,058,000
	2011					\$21,252,000
<b>SHEEP &amp; LAMBS</b>						
	2012	2,500	3,025	cwt	140.00	424,000
	2011	2,500	3,025	cwt	121.00	366,000
<b>SWINE</b>						
All Classes	2012	1,000	2,250	cwt	64.00	144,000
	2011	1,000	2,250	cwt	71.00	160,000
<b>OTHER LIVESTOCK*</b>						
	2012					2,694,000
	2011					2,793,000
<b>TOTAL LIVESTOCK</b>						
	<b>2012</b>					<b>\$24,320,000</b>
	<b>2011</b>					<b>\$24,571,000</b>

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

# Forest Products

ITEM	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER	2012	170,263	million bd. ft.	\$35,736,181
	2011	186,833	million bd. ft.	\$40,381,470
<b>MISC. FOREST PRODUCTS</b>				
	2012			\$15,692,757
	2011			\$12,732,000

# Field Crops

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WILD RICE	2012	5,700	1,472	8,390,400	lb	.67	\$5,622,000
	2011	5,000	1,662	8,310,000	lb	.51	\$4,238,000
MINT	2012	355	80	28,400	lb	23.00	653,000
	2011	225	80	18,000	lb	25.00	450,000
MISC CROPS*	2012						888,000
	2011						1,491,000
<b>HAY</b>							
Grass	2012	4,200	3.8	15,960	ton	230.00	3,671,000
	2011	4,800	4.0	19,200	ton	211.00	4,051,000
Alfalfa	2012	3,000	4.5	13,500	ton	235.00	3,173,000
	2011	3,000	4.6	13,800	ton	194.00	2,677,000
Other Hay	2012	13,000	3.8	49,400	ton	185.00	9,139,000
	2011	13,000	4.0	52,000	ton	190.00	9,880,000
Timothy Hay	2012	2,700	5.4	14,580	ton	295.00	4,301,000
	2011	3,000	5.0	15,000	ton	278.00	4,170,000
<b>PASTURE</b>							
Irrigated	2012	33,000			acre	125.00	4,125,000
	2011	33,000			acre	125.00	4,125,000
Improved	2012	100,000			acre	14.00	1,400,000
	2011	100,000			acre	14.00	1,400,000
Rangeland	2012	325,000			acre	7.00	2,275,000
	2011	325,000			acre	7.00	2,275,000
<b>TOTAL FIELD CROPS</b>	<b>2012</b>						<b>\$35,247,000</b>
	<b>2011</b>						<b>\$34,757,000</b>

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

# Fruit & Nut Crops

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WALNUTS	2012	945	1.3	1,228	ton	2,077.00	\$2,552,000
	2011	955	1.5	1,433	ton	2,000.00	\$2,866,000
MISC CROPS*	2012						683,000
	2011						725,000
<b>WINE GRAPES</b>							
Black and White	2012	160	1.5	240	ton	977.00	234,000
	2011	150	2.4	360	ton	1,050.00	378,000
<b>TOTAL ORCHARD CROPS</b>	<b>2012</b>						<b>\$3,469,000</b>
	<b>2011</b>						<b>\$3,969,000</b>

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



# Apiary Products



ITEM	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	2012	125,821	lb	2.07	\$260,000
	2011	145,853	lb	1.81	\$264,000
QUEENS	2012	99,000	ea	18.00	1,782,000
	2011	120,715	ea	20.34	2,455,000
POLLINATION	2012	16,128	colonies	155.32	2,505,000
	2011	14,980	colonies	151.00	2,262,000
MISC APIARY PRODUCTS*	2012				806,000
	2011				814,000
<b>TOTAL</b>	<b>2012</b>				<b>\$5,353,000</b>
<b>APIARY PRODUCTS</b>	<b>2011</b>				<b>\$5,795,000</b>

\* Includes Package Bees, Beeswax, and Medicinal Bees





# Shasta County's - 2012 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 twenty-nine countries in 2012.

- |                    |              |
|--------------------|--------------|
| Argentina          | Korea        |
| Australia          | Lebanon      |
| Canada             | Mexico       |
| China              | Morocco      |
| Colombia           | Panama       |
| Costa Rica         | Peru         |
| Cyprus             | Poland       |
| Dominican Republic | Portugal     |
| Ecuador            | Saudi Arabia |
| Egypt              | Spain        |
| France             | Tunisia      |
| Greece             | Turkey       |
| India              | Ukraine      |
| Jamaica            | Venezuela    |
| Jordan             |              |



## Nursery Stock

CROP	YEAR	TOTAL	AVG/ UNIT	UNIT	TOTAL
NURSERY STOCK*	2012				\$8,750,000
	2011				7,127,000
CHRISTMAS TREES	2012	9,627	ea	10.64	102,000
	2011	10,315	ea	10.60	109,000
<b>TOTAL</b>	<b>2012</b>				<b>\$8,852,000</b>
<b>NURSERY STOCK</b>	<b>2011</b>				<b>\$7,236,000</b>

\* Strawberry Nursery Stock, Turf, Ornamentals



# 2012 Sustainable Agriculture Report

Significant pest interceptions included Scotch Thistle, Diffuse Knapweed, Skeleton Weed, Big Headed Ant, Citrus Mealybug, Brown Soft Scale, Pineapple Scale, Pineapple mealybug, Longtailed mealybug, and Hawaiian Thrips.

Inspection Type	Premise Visits	Shipments Inspected	Rejections	Pest Interceptions
Post Office	191	1376	22	0
Parcel Service	272	2338	27	44
Gypsy Moth	4	5	0	0
Truck	52	999	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

422 sites spread over 40,934 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 allows the sale of agricultural products from producers and certified producers within the state directly to consumers or to individuals, organizations, or entities that later sell or distributes the products directly to end users. This all takes place while maintaining sufficient regulatory control to ensure that the agricultural products are of acceptable quality and that the selling activities are conducted honestly and fairly.

Certified Farmers' Markets - 10

Certified Producers - 66

## Registered Organic Program

Organic Products	Number of Farms	Estimated Acres
Fruits, Vegetables, Nuts, Grains, Forage, Hay, Cattle, Eggs	34	1,925





# **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](mailto:shastaag@co.shasta.ca.us)**