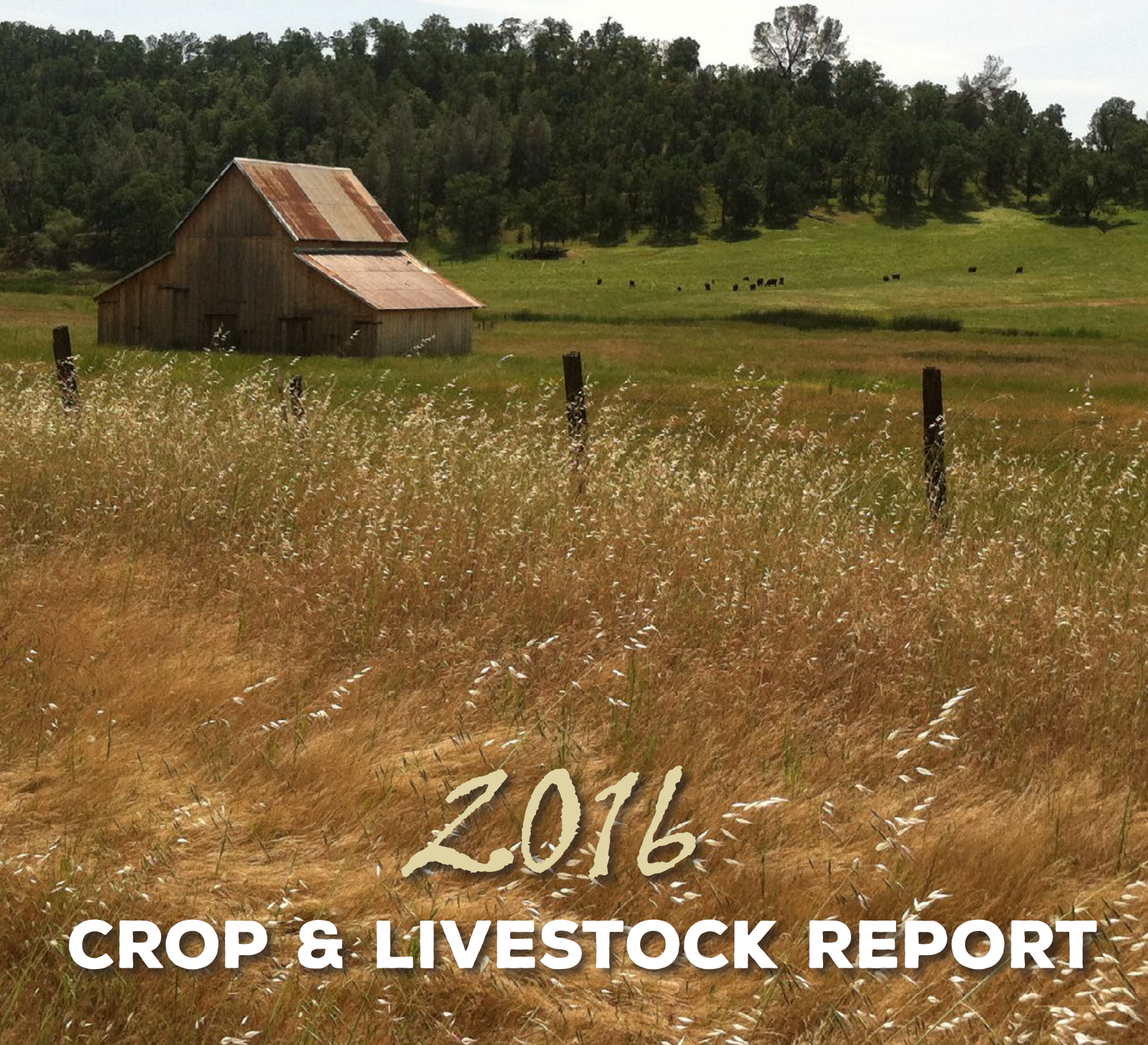




SHASTA COUNTY



2016

CROP & LIVESTOCK REPORT



Shasta Agriculture



SHASTA COUNTY

DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

PAUL KJOS
Agricultural Commissioner
Sealer of Weights & Measures

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

The Honorable Board of Supervisors, County of Shasta County

David A. Kehoe, District 1, Chairman
Leonard Moty, District 2
Mary Rickert, District 3
Steve Morgan, 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 2016. This report summarizes the acreage, production, and gross values of agricultural commodities and livestock produced in Shasta County. It does not attempt to show county inventory, cost of production, or net return to growers.

The value of agricultural products produced in the county increased ever so slightly from the previous year to a total value of \$81,133,000. The large drop in livestock value was offset by an increase in the value of nursery stock produced in the county.

The bright spot in this year's Crop Report is the nursery stock industry that saw a 118% increase in overall value from the previous year. This is due to an increase in both acreage and value of strawberry nursery plants grown in the county, resulting in an increase to an overall value of more than \$14 million in 2016.

Shasta County livestock producers saw price drops in essentially every livestock class, with the price per hundredweight for calves and yearlings decreasing over 30% from the previous year. Total livestock values dropped 29% for livestock produced in the county. Another crop that saw significant drops in price was walnuts; with an overall decrease in value of 30%. The drop in value was due to a 40% reduction in the price paid per ton to producers. Wine grapes saw increases in both yield per acre and price per ton paid and resulted in almost doubling the previous year's value to a new value in the county of \$302,000.

Shasta County's apiary industry remains strong with increases in essentially every type of product produced, with an overall increase of 11% to \$8,777,000. The queen bee segment of the industry in the county produced over 170,000 queens that will aid in keeping the apiary industry strong throughout the nation.

I would like to thank the producers, agricultural business representatives, and public agencies that cooperated in supplying the data necessary to produce this report. I would also like to thank Agricultural Investigator John Ingram for his leadership in the development of this report.

Sincerely,

PAUL KJOS
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.

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Deputy Agricultural Commissioner/Deputy Sealer

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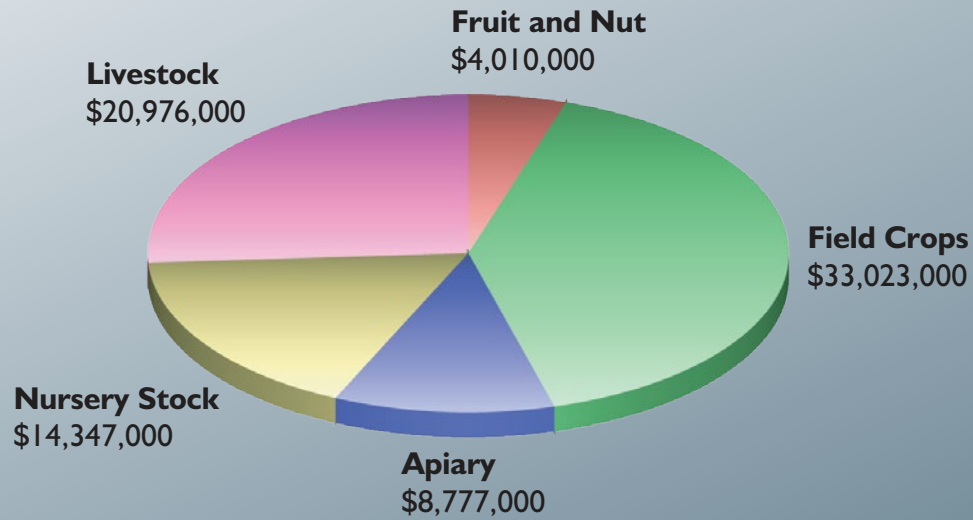
Lauren Rulofson

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 Angela Davis at (530) 225-5515; relay service (800) 735-2922; fax (530) 225-5345; email adacoordinator@co.shasta.ca.us.

Cover Photo by Karen Ennenga,
Located Western Shasta County.

Shasta County Livestock & Crop Summary

2016 TOTAL PRODUCTION VALUE: \$81,133,000



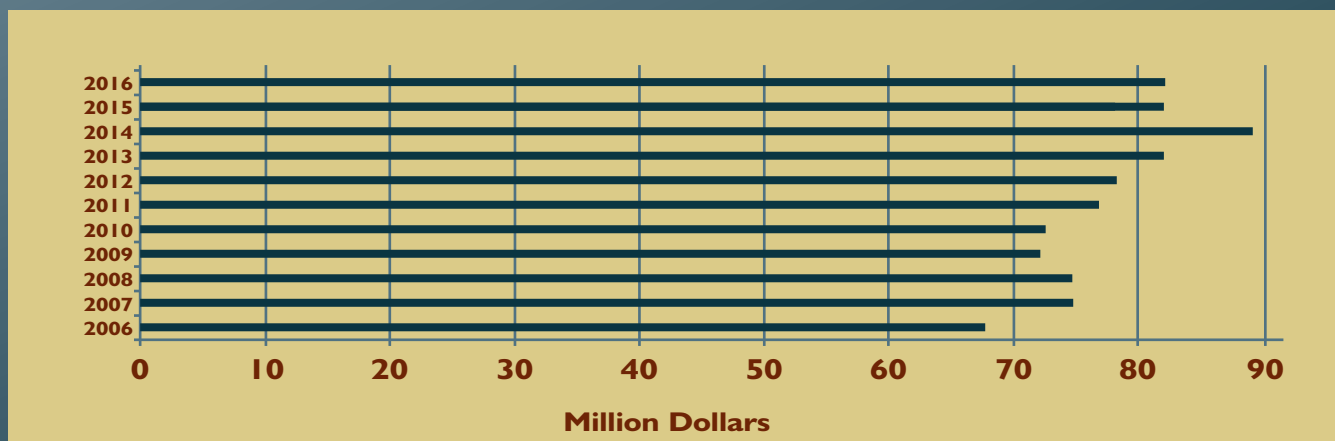
COMPARISON SUMMARY

	2016	2015	2014	2013
LIVESTOCK	\$20,976,000	\$27,884,000	\$28,965,000	\$23,348,000
APIARY	8,777,000	7,900,000	7,383,000	6,646,000
FIELD CROPS	33,023,000	33,034,000	38,890,000	38,463,000
NURSERY STOCK	14,347,000	6,579,000	5,182,000	6,369,000
FRUIT & NUT CROPS	4,010,000	5,518,000	7,217,000	6,402,000
TOTALS	\$81,133,000	\$80,915,000	\$87,637,000	\$81,228,000
TIMBER	\$37,004,537	\$37,454,055	\$39,861,288	\$42,977,621
OTHER FOREST PRODUCTS	*	\$9,681,694	\$16,096,442	\$17,650,186

* Value not currently available.

Totals may not add due to rounding.

TOTAL VALUE OF AGRICULTURAL PRODUCTS 2006-2016



Livestock Production

ITEM	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG/UNIT	TOTAL
CATTLE & CALVES						
Calves and Yearlings	2016	10,500	68,250	cwt	125.52	\$8,567,000
	2015	10,000	65,000	cwt	193.92	\$12,605,000
Culled Cattle	2016	2,600	32,500	cwt	70.18	2,281,000
	2015	2,800	35,000	cwt	91.35	3,197,000
Breeding Stock	2016	2,700		head	1,952.00	5,270,000
	2015	2,800		head	2,381.00	6,667,000
Stocker/Pasture Cattle	2016	8,300	10,790	cwt	120.25	1,298,000
	2015	8,300	10,790	cwt	192.00	2,072,000
TOTAL CATTLE	2016					\$17,416,000
	2015					\$24,541,000
SHEEP & LAMBS	2016	2,200	2,662	cwt	166.46	443,000
	2015	2,200	2,662	cwt	151.25	403,000
SWINE All Classes	2016	800	1,800	cwt	65.20	117,000
	2015	800	1,800	cwt	82.50	149,000
OTHER LIVESTOCK*	2016					3,000,000
	2015					2,791,000
TOTAL LIVESTOCK	2016					\$20,976,000
	2015					\$27,884,000

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

Forest Products

ITEM	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER	2016	169,333	million bd. ft.	\$37,004,537
	2015	170,490	million bd. ft.	\$37,454,055
MISC. FOREST PRODUCTS	2016			\$*
	2015			\$9,681,694

* Value not currently available.

Field Crops

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WILD RICE	2016	5,800	1,600	9,280,000	lb	.93	\$8,630,000
	2015	5,500	1,437	7,903,500	lb	.88	\$6,955,000
MINT	2016	500	81	40,500	lb	23.00	932,000
	2015	320	98	31,360	lb	23.00	721,000
MISC CROPS*	2016						790,000
	2015						1,642,000
HAY							
Grass	2016	3,800	4.8	18,240	ton	208.00	3,794,000
	2015	4,600	4.6	21,160	ton	215.00	4,549,000
Alfalfa	2016	3,600	5.3	19,080	ton	160.00	3,053,000
	2015	3,650	4.3	15,695	ton	154.00	2,417,000
Other Hay	2016	13,000	2.9	37,700	ton	102.00	3,845,000
	2015	13,000	2.4	31,200	ton	120.00	3,744,000
Timothy Hay	2016	3,300	5.0	16,500	ton	226.00	3,729,000
	2015	3,000	6.6	19,800	ton	255.00	5,049,000
PASTURE							
Irrigated	2016	28,000			acre	140.00	3,920,000
	2015	28,000			acre	140.00	3,920,000
Improved	2016	100,000			acre	14.00	1,400,000
	2015	100,000			acre	14.00	1,400,000
Rangeland	2016	293,000			acre	10.00	2,930,000
	2015	293,000			acre	9.00	2,637,000
TOTAL	2016						\$33,023,000
FIELD CROPS	2015						\$33,034,000

* Grain, Seed, Vegetables, Garlic etc.

Fruit & Nut Crops

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WALNUTS	2016	1,320	1.8	2,376	ton	1,421.00	\$3,376,000
	2015	1,220	1.7	2,074	ton	2,343.00	\$4,859,000
MISC CROPS*	2016						332,000
	2015						502,000
WINE GRAPES							
Black and White	2016	160	1.7	272	ton	1,112.00	302,000
	2015	160	1.2	192	ton	820.00	157,000
TOTAL	2016						\$4,010,000
ORCHARD CROPS	2015						\$5,518,000

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

Apiary Products

ITEM	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	2016	77,031	lb	3.10	\$239,000
	2015	45,650	lb	2.20	\$100,000
QUEENS	2016	170,914	ea	22.42	3,831,000
	2015	161,407	ea	20.78	3,354,000
POLLINATION	2016	17,187	colonies	188.20	3,235,000
	2015	17,517	colonies	176.18	3,086,000
MISC APIARY PRODUCTS*	2016				1,472,000
	2015				1,360,000
TOTAL	2016				\$8,777,000
APIARY PRODUCTS	2015				\$7,900,000

* Includes Package Bees, Beeswax, Nuclei and Medicinal Bees



Shasta County's - 2016 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-two countries in 2016.

- | | |
|--------------------|----------------|
| Albania | Mexico |
| Argentina | Panama |
| Canada | Peru |
| China | Senegal |
| Colombia | Spain |
| Cyprus | Tunisia |
| Dominican Republic | United Kingdom |
| Ecuador | |
| Egypt | |
| Guatemala | |
| Haiti | |
| Jordan | |
| Korea | |
| Kuwait | |
| Lebanon | |



Nursery Stock

CROP	YEAR	TOTAL	AVG/ UNIT	UNIT	TOTAL
NURSERY STOCK*	2016				\$14,083,000
	2015				\$6,429,000
CHRISTMAS TREES	2016	21,825	each	12.10	264,000
	2015	13,051	each	11.51	150,000
TOTAL NURSERY STOCK	2016				\$14,347,000
	2015				\$6,579,000

* Strawberry Nursery Stock, Ornamentals

2016 Sustainable Agriculture Report

Significant pest interceptions included Scotch Thistle, Diffuse Knapweed, Skeleton Weed, Little Fire Ant (*Wasmannia* sp.), Pineapple Mealybug, Citrus Mealybug, Long-tailed mealybug, and Hawaiian Thrips.

Pest Exclusion

Inspection Type	Premise Visited	Shipments Inspected	Rejections	Pest Interceptions
Post Office	139	630	0	0
Parcel Service	232	2506	19	16
Gypsy Moth	3	3	0	0
Truck	38	1287	0	0

Pest Detection

Trap Type	Number of Traps Deployed
Jackson Trap	
Mediterranean Fruit Fly	165
Melon Fruit Fly	57
Oriental Fruit Fly	57
Delta Trap	
Gypsy Moth	300
Japanese Beetle Trap	
Japanese Beetle	80
Glassy-winged Sharpshooter	300
Light Brown Apple Moth	190

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, Stinkwort.

Agent/Mechanism

Integrated Vegetation Management

Scope of Program

528 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 - 8

Certified Producers - 36

Registered Organic Program

Organic Products

Fruits, Vegetables, Nuts, Grains, Seed Crops,
Nursery Stock, Pasture, Rangeland, Hay, Wild Rice

Number of Farms

40

Estimated Acres

10,672



Shasta County

Department of Agriculture / Weights and Measures

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