

The seal of Shasta County is visible in the upper left background, featuring a circular design with the text "COUNTY OF SHASTA" and a central emblem depicting a landscape with a tree and mountains.

# Shasta County

2017

**Crop & Livestock Report**



# *Shasta Agriculture*



# SHASTA COUNTY

## DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

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**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  
Les Baugh, District 5, Chairman  
David A. Kehoe, District 1  
Leonard Moty, District 2  
Mary Rickert, District 3  
Steve Morgan, District 4

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 2017. 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 from the previous year to a total value of \$84,738,000, the second highest total value ever. Four of the five major groupings saw slight increases, with nursery stock being the sole agricultural segment that suffered a decrease in production value.

The bright spot in this year's Crop Report is the apiary industry which recorded a 17% increase in overall value. Queen production lead the way with an almost 40% increase in value, due mainly to the increased number of queens produced, which was nearly 220,000 queens. The amount of honey produced and value of pollination services increased from the previous year's value as well.

Shasta County's wine grape industry continues to grow, with increases in harvested acres, yield and prices for the commodity, resulting in an overall increase in value of nearly 60%. Hay producers saw increased prices for all types of hay with an overall increase of \$3.6 million or 25% over 2016 levels. The value of the county's walnuts saw significant increases due to better prices received for walnuts. The average price and number of calves and yearlings sold improved in 2017, which was the driving force to an overall increase in the livestock value for the year.

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 give special recognition to 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/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

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Sealer of Weights and Measures**

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Brittany Walker, Administrative Secretary

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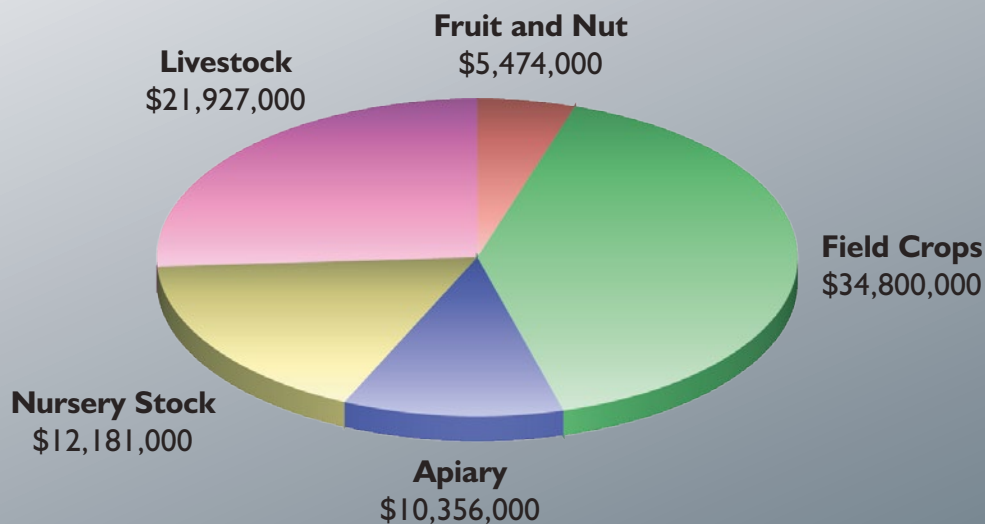
Jane Hufford

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Cover Photo by Adam Davy,  
Western Shasta County.

# Shasta County Livestock & Crop Summary

**2017 TOTAL PRODUCTION VALUE: \$84,738,000**

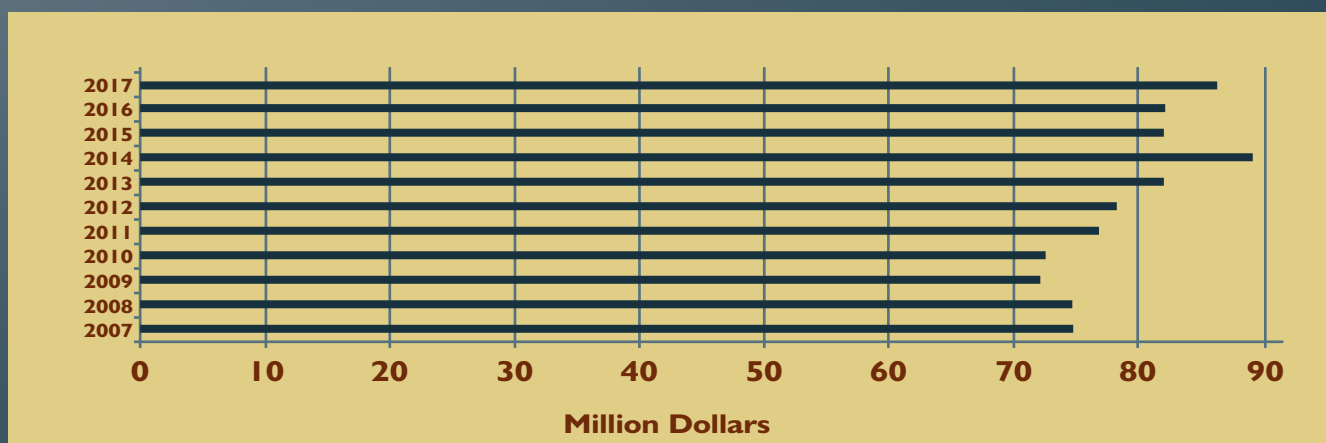


## COMPARISON SUMMARY

	2017	2016	2015	2014
LIVESTOCK	\$21,927,000	\$20,976,000	\$27,884,000	\$28,965,000
APIARY	10,356,000	8,777,000	7,900,000	7,383,000
FIELD CROPS	34,800,000	33,023,000	33,034,000	38,890,000
NURSERY STOCK	12,181,000	14,347,000	6,579,000	5,182,000
FRUIT & NUT CROPS	5,474,000	4,010,000	5,518,000	7,217,000
<b>TOTALS</b>	<b>\$84,738,000</b>	<b>\$81,133,000</b>	<b>\$80,915,000</b>	<b>\$87,637,000</b>
TIMBER	\$39,645,935	\$37,004,537	\$37,454,055	\$39,861,288
OTHER FOREST PRODUCTS	\$2,251,605	\$3,073,158	\$9,681,694	\$16,096,442

Totals may not add due to rounding.

## TOTAL VALUE OF AGRICULTURAL PRODUCTS 2007-2017



# Livestock Production

ITEM	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG/UNIT	TOTAL
<b>CATTLE &amp; CALVES</b>						
Calves and Yearlings	2017	11,100	72,150	cwt	142.84	\$10,306,000
	2016	10,500	68,250	cwt	125.52	\$8,567,000
Culled Cattle	2017	2,500	31,250	cwt	64.98	2,031,000
	2016	2,600	32,500	cwt	70.18	2,281,000
Breeding Stock	2017	2,800		head	1,475.00	4,130,000
	2016	2,700		head	1,952.00	5,270,000
Stocker/Pasture Cattle	2017	8,800	11,440	cwt	136.50	1,562,000
	2016	8,300	10,790	cwt	120.25	1,298,000
TOTAL CATTLE	2017					\$18,029,000
	2016					\$17,416,000
<b>SHEEP &amp; LAMBS</b>						
	2017	2,200	2,662	cwt	161.25	429,000
	2016	2,200	2,662	cwt	166.46	443,000
<b>SWINE</b>						
All Classes	2017	800	1,800	cwt	62.50	113,000
	2016	800	1,800	cwt	65.20	117,000
<b>OTHER LIVESTOCK*</b>						
	2017					3,356,000
	2016					3,000,000
<b>TOTAL LIVESTOCK</b>	<b>2017</b>					<b>\$21,927,000</b>
	<b>2016</b>					<b>\$20,976,000</b>

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

# Forest Products

ITEM	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER	2017	140,284	million bd. ft.	\$39,645,935
	2016	141,547	million bd. ft.	\$33,685,088
MISC. FOREST PRODUCTS	2017			\$2,279,077
	2016			\$3,319,449

# Field Crops

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WILD RICE	2017	5,800	1,526	8,850,800	lb	.69	\$6,107,000
	2016	5,800	1,600	9,280,000	lb	.93	\$8,630,000
MINT	2017	700	104	72,800	lb	19.95	1,452,000
	2016	500	81	40,500	lb	23.00	932,000
MISC CROPS*	2017						886,000
	2016						790,000
<b>HAY</b>							
Grass	2017	3,800	4.1	15,580	ton	245.00	3,817,000
	2016	3,800	4.8	18,240	ton	208.00	3,794,000
Alfalfa	2017	3,500	6.5	22,750	ton	224.00	5,096,000
	2016	3,600	5.3	19,080	ton	160.00	3,053,000
Other Hay	2017	13,000	2.7	35,100	ton	124.00	4,352,000
	2016	13,000	2.9	37,700	ton	102.00	3,845,000
Timothy Hay	2017	3,200	5.5	17,600	ton	275.00	4,840,000
	2016	3,300	5.0	16,500	ton	226.00	3,729,000
<b>PASTURE</b>							
Irrigated	2017	28,000			acre	140.00	3,920,000
	2016	28,000			acre	140.00	3,920,000
Improved	2017	100,000			acre	14.00	1,400,000
	2016	100,000			acre	14.00	1,400,000
Rangeland	2017	293,000			acre	10.00	2,930,000
	2016	293,000			acre	10.00	2,930,000
<b>TOTAL</b>	<b>2017</b>						<b>\$34,800,000</b>
<b>FIELD CROPS</b>	<b>2016</b>						<b>\$33,034,000</b>

\* Grain, Seed, Vegetables, Garlic etc.

# Fruit & Nut Crops

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WALNUTS	2017	1,300	1.4	1,820	ton	2,594.00	\$4,721,000
	2016	1,320	1.8	2,376	ton	1,421.00	\$3,376,000
MISC CROPS*	2017						271,000
	2016						332,000
<b>WINE GRAPES</b>							
Black and White	2017	170	2.5	425	ton	1,135.00	482,000
	2016	160	1.7	272	ton	1,112.00	302,000
<b>TOTAL</b>	<b>2017</b>						<b>\$5,474,000</b>
<b>ORCHARD CROPS</b>	<b>2016</b>						<b>\$4,010,000</b>

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



## Apiary Products

ITEM	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	2017	144,928	lb	1.96	\$285,000
	2016	77,031	lb	3.10	\$239,000
QUEENS	2017	219,845	ea	24.28	5,339,000
	2016	170,914	ea	22.42	3,831,000
POLLINATION	2017	18,423	colonies	192.87	3,464,000
	2016	17,187	colonies	188.20	3,235,000
MISC APIARY PRODUCTS*	2017				1,268,000
	2016				1,472,000
<b>TOTAL</b>	<b>2017</b>				<b>\$10,356,000</b>
<b>APIARY PRODUCTS</b>	<b>2016</b>				<b>\$8,777,000</b>

\* Includes Package Bees, Beeswax, Nuclei and Medicinal Bees





# Shasta County's - 2017 Agricultural Export Trade Partners

International trade is a vital component of Shasta County's agricultural economy, with strawberry nursery plants and timber for poles being the majority of products exported. There were over 300 certificates issued to ship commodities produced here around the world. Shasta County exported agricultural commodities to the following twenty-three countries in 2017.

- |                    |                |
|--------------------|----------------|
| Albania            | Kuwait         |
| Argentina          | Mongolia       |
| Canada             | Morocco        |
| China              | Panama         |
| Cyprus             | Singapore      |
| Dominican Republic | Spain          |
| Ecuador            | Tunisia        |
| Egypt              | United Kingdom |
| Haiti              |                |
| India              |                |
| Indonesia          |                |
| Ireland            |                |
| Jamaica            |                |
| Jordan             |                |
| Korea              |                |



## Nursery Stock

CROP	YEAR	TOTAL	AVG/ UNIT	UNIT	TOTAL
NURSERY STOCK*	2017				\$11,978,000
	2016				\$14,083,000
CHRISTMAS TREES	2017	13,798	each	14.69	203,000
	2016	21,825	each	12.10	264,000
<b>TOTAL NURSERY STOCK</b>	<b>2017</b>				<b>\$12,181,000</b>
	<b>2016</b>				<b>\$14,347,000</b>

\* Strawberry Nursery Stock, Ornamentals

# 2017 Sustainable Agriculture Report

During the course of 2017, 8 “A” rated pests and 14 “Q” rated pests were intercepted. An “A” rated pest is one of known economic or environmental detriment and a “Q” rated pest is suspected to be of economic or environmental detriment, but the status is uncertain because of incomplete identification or inadequate information. Significant pest interceptions included Scotch Thistle, Diffuse Knapweed, Skeleton Weed, Dagger Flower, Gray Pineapple Mealybug, Pacific Mealybug, Pineapple Mealybug, Bigheaded Ant, and Long-legged Ant.

## Pest Exclusion

Inspection Type	Premise Visited	Shipments Inspected	Rejections	Pest Interceptions
Post Office	145	479	1	1
Parcel Service	217	2206	35	37
Gypsy Moth	0	0	0	0
Truck	42	57	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
European Grapevine Moth	19

## 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

<b>Pest</b>	<b>Agent/Mechanism</b>
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</i> var <i>solstitialis</i>
Bull Thistle, <i>Cirsium vulgare</i>	Gall Fly - <i>Urophora stylata</i>
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>
Squarrose Knapweed, <i>Centaurea squarrosa</i>	Lesser Knapweed Weevil - <i>Larinus minutus</i> , Bronze Rootborer – <i>Sphenoptera jugoslavica</i>
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>
Puncture Vine, <i>Tribulus terrestris</i>	Seed Weevil - <i>Micolarinus lareynii</i> , Stem Weevil - <i>Micolarinus lypriformis</i>
St. Johnswort, <i>Hypericum perforatum</i>	Klamath Weed Beetle - <i>Chrysolina</i> sp.
Red Gum Lerp Psyllid, <i>Glycaspis brimblecombei</i>	Psyllid Parasitoid Wasp - <i>Psyllaephagus bliteous</i>

## 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 - 7

Certified Producers - 33

## Certified Farmers' Markets

Tuesday Churn Creek Market  
Saturday Redding Market  
Fall River Music Series Market

Wednesday Burney Market  
Sunday Turtle Bay Market

Thursday Anderson Market  
Tuesday Fall River Farmers' Market

## Registered Organic Program

### Organic Products

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

### Number of Farms

33

### Estimated Acres

10,180



# Shasta County

## Department of Agriculture / Weights and Measures

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