

Shasta County



2019

**CROP & LIVESTOCK
REPORT**



SHASTA AGRICULTURE



SHASTA COUNTY

DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

Rick Gurrola
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
Mary Rickert, Chair, District 3
Joe Chimenti, District 1
Leonard Moty, District 2
Steve Morgan, District 4
Les Baugh, District 5

Matthew P. Pontes, County Executive Officer

It is my pleasure to present the 2019 Shasta County Crop and Livestock Report, which has been prepared pursuant to the provisions of Section 2279 of the California Food and Agricultural Code. This annual report summarizes the acreage, production, and gross value of agricultural commodities and livestock produced in Shasta County. All figures in the report represent gross returns only and do not reflect net income of producers.

The total gross value of Shasta County's agricultural production in 2019 was \$79,547,000, which represents a 2.3% decrease from the previous reporting year.

The top five highest value agricultural crops for Shasta County in 2019 were:

1. Cattle - \$17,646,000
2. Hay - \$16,375,000
3. Apiary Products - \$9,765,000
4. Nursery Stock - \$8,815,000
5. Walnuts - \$5,988,000

Commodities that increased in value in 2019 include walnuts (101%), due to overall yield and price increases, and cattle (1.1%), due to modest price increases. Crops that decreased in value include wild rice (19.8%), hay (10.4%), apiary products (8.6%), and nursery stock (26.3%).

I wish to thank the producers, agricultural business representatives, and public agencies that assisted in providing the data necessary to produce this report. I would also like to give special recognition to Agricultural Investigator John Ingram for the coordination and production of this report.

Respectfully Submitted,

Rick Gurrola
Agricultural Commissioner

Mission Statement

The Shasta County Department of Agriculture/Weights and Measures is entrusted with the mission of promoting and protecting the County's agricultural industry while maintaining the health and beauty of our county's environment, and ensuring for the health and safety of the County's citizens. The Department strives to foster confidence and equity in the marketplace through education and engagement with the community, and through the fair and uniform enforcement of laws, regulations, and ordinances that have been enacted by the people of California and the County of Shasta.

Staff

Agricultural Commissioner/ Sealer of Weights and Measures

Rick Gurrola

Deputy Agricultural Commissioner/Deputy Sealer

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Agricultural and Standards Investigators

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John Ingram

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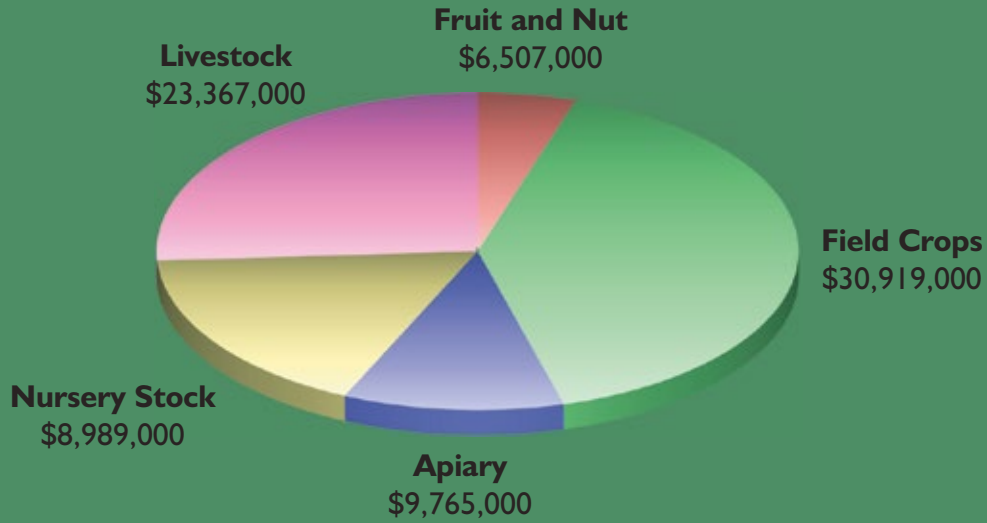
Paul Kjos retired on May 17, 2019 after 32 years of service to Shasta County, with the last five years serving as the Agricultural Commissioner/Sealer of Weights and Measures. Paul began his career with the Shasta County Department of Agriculture in 1987 and worked his way up through the ranks quickly. He was appointed as the Deputy Agricultural Commissioner/Sealer of Weights and Measures seven years after he was hired and served in that role for twenty years until his appointment as Agricultural Commissioner/Sealer of Weights and Measures in 2014.

Paul was an admirable leader and well respected by his peers and colleagues. His employees will sorely miss the desserts created by his wife Tina. We are wishing Paul and Tina the absolute best and a long and healthy retirement.

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.

Shasta County Livestock & Crop Summary

2019 TOTAL PRODUCTION VALUE: \$79,547,000

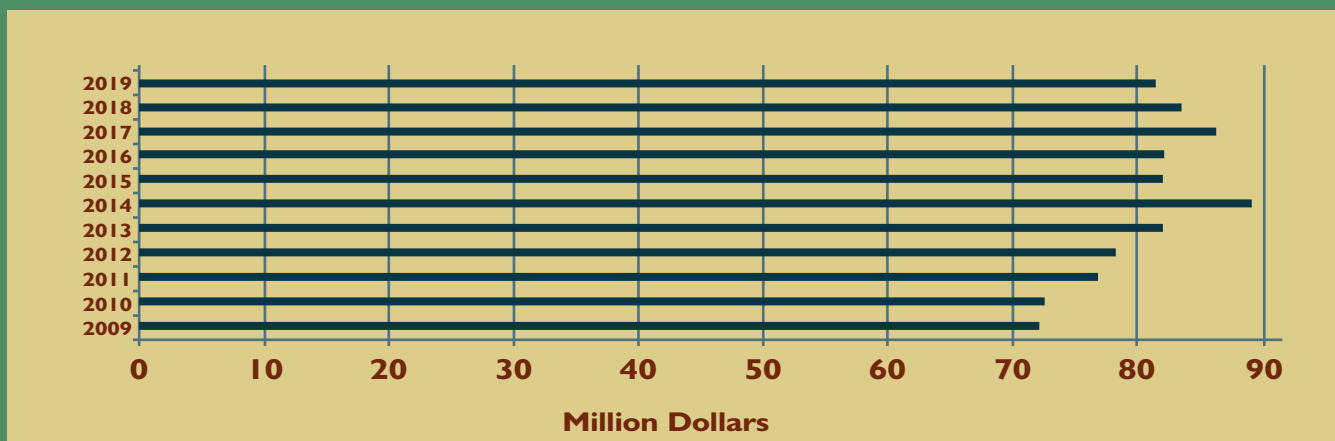


COMPARISON SUMMARY

	2019	2018	2017	2016
LIVESTOCK	\$23,367,000	\$20,652,000	\$21,927,000	\$20,976,000
APIARY	9,765,000	10,681,000	10,356,000	8,777,000
FIELD CROPS	30,919,000	34,285,000	34,800,000	33,023,000
NURSERY STOCK	8,989,000	12,190,000	12,181,000	14,347,000
FRUIT & NUT CROPS	6,507,000	3,594,000	5,474,000	4,010,000
TOTALS	\$79,547,000	\$81,402,000	\$84,738,000	\$81,133,000
TIMBER	\$39,721,204	\$51,315,661	\$39,645,935	\$37,004,537
OTHER FOREST PRODUCTS	\$2,633,996	\$3,878,097	\$2,251,605	\$3,073,158

Totals may not add due to rounding.

TOTAL VALUE OF AGRICULTURAL PRODUCTS 2009-2019



LIVESTOCK PRODUCTION

ITEM	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG\$/UNIT	TOTAL
CATTLE & CALVES						
Calves and Yearlings	2019	10,500	69,005	cwt	\$152.72	\$10,538,000
	2018	11,500	74,750	cwt	\$135.69	\$10,143,000
Culled Cattle	2019	2,000	25,000	cwt	58.23	1,456,000
	2018	2,300	28,750	cwt	52.75	1,517,000
Breeding Stock	2019	2,600		head	1,589.00	4,131,000
	2018	2,600		head	1,664.00	4,326,000
Stocker/Pasture Cattle	2019	9,000	11,700	cwt	130.00	1,521,000
	2018	8,800	11,440	cwt	128.25	1,467,000
TOTAL CATTLE	2019					\$17,646,000
	2018					\$17,453,000
SHEEP & LAMBS	2019	1,800	2,160	cwt	135.00	\$329,000
	2018	2,200	2,640	cwt	152.50	\$403,000
SWINE All Classes	2019	750	1,688	cwt	65.00	110,000
	2018	800	1,800	cwt	61.25	110,000
OTHER LIVESTOCK*	2019					5,282,000
	2018					2,686,000
TOTAL LIVESTOCK	2019					\$23,367,000
	2018					\$20,652,000

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



FOREST PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER	2019	196,175	million bd. ft.	\$39,721,204
	2018	161,058	million bd. ft.	\$51,315,661
*MISC. FOREST PRODUCTS	2019			\$2,633,996
	2018			\$3,878,097

*Cull Logs, Pulp Chips & Hardwood Logs, Wood Produced Fuel Chips, Poles & Pilings, Misc. Small Sawlogs, Misc. Conifer Species.

FRUIT & NUT CROPS

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG \$/UNIT	TOTAL
WALNUTS	2019	1,400	2.2	3,080	ton	\$1,944.00	\$5,988,000
	2018	1,300	1.4	1,820	ton	\$1,637.00	\$2,979,000
MISC CROPS*	2019						230,000
	2018						112,000
WINE GRAPES	2019	170	1.7	289	ton	1,000.00	289,000
	2018	170	2.6	442	ton	1,137.00	503,000
TOTAL	2019						\$6,507,000
FRUIT & NUT CROPS	2018						\$3,594,000

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



FIELD CROPS

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG \$/UNIT	TOTAL
WILD RICE	2019	5,200	1,695	8,814,000	lb	\$5.51	\$4,495,000
	2018	5,800	1,465	8,497,000	lb	\$6.66	\$5,608,000
MINT	2019	600	81	48,600	lb	19.06	926,000
	2018	700	86	60,200	lb	19.64	1,182,000
MISC CROPS*	2019						873,000
	2018						979,000
HAY							
Grass	2019	3,500	4.6	16,100	ton	195.00	3,140,000
	2018	3,500	5.0	17,500	ton	245.00	4,288,000
Alfalfa	2019	2,800	6.0	18,000	ton	220.00	3,696,000
	2018	3,000	6.0	18,000	ton	203.00	3,654,000
Other Hay	2019	12,000	3.1	37,200	ton	170.00	6,324,000
	2018	11,000	2.7	29,700	ton	174.00	5,168,000
Timothy Hay	2019	2,000	5.7	11,400	ton	282.00	3,215,000
	2018	2,800	6.2	17,360	ton	297.00	5,156,000
PASTURE							
Irrigated	2019	28,000			acre	140.00	3,920,000
	2018	28,000			acre	140.00	3,920,000
Improved	2019	100,000			acre	14.00	1,400,000
	2018	100,000			acre	14.00	1,400,000
Rangeland	2019	293,000			acre	10.00	2,930,000
	2018	293,000			acre	10.00	2,930,000
TOTAL FIELD CROPS	2019						\$30,919,000
	2018						\$34,285,000

* Grain, Seed, Vegetables, Garlic etc.

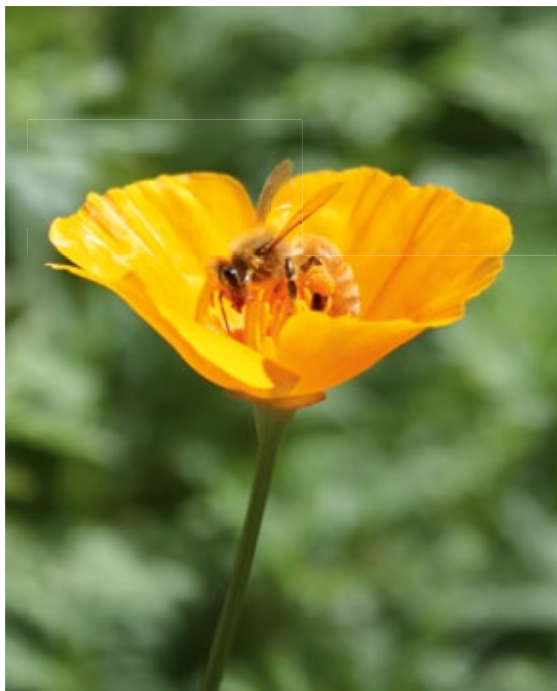




APIARY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	AVG \$/UNIT	TOTAL
HONEY	2019	30,455	lb	\$2.77	\$84,000
	2018	48,283	lb	\$3.61	\$174,000
QUEENS	2019	201,779	ea	27.95	5,640,000
	2018	209,236	ea	25.73	5,384,000
POLLINATION	2019	12,614	colonies	195.81	2,470,000
	2018	18,056	colonies	194.57	3,513,000
MISC APIARY PRODUCTS*	2019				1,571,000
	2018				1,610,000
TOTAL	2019				\$9,765,000
APIARY PRODUCTS	2018				\$10,681,000

* Includes Package Bees, Beeswax, Nuclei and Medicinal Bees



NURSERY PRODUCTS

CROP	YEAR	TOTAL	UNIT	AVG \$/ UNIT	TOTAL
NURSERY STOCK*	2019				\$8,815,000
	2018				\$11,957,000
CHRISTMAS TREES	2019	11,116	each	15.69	174,000
	2018	16,373	each	14.25	233,000
TOTAL NURSERY PRODUCTS	2019				\$8,989,000
	2018				\$12,190,000

* Berry Nursery Stock, Ornamentals



Shasta County's - 2019 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. The Department issued 319 certificates for the export of commodities produced in Shasta County to destinations around the world. Shasta County exported agricultural commodities to the following twenty-nine countries in 2019.

Albania
Argentina
Australia
Canada
China
Colombia
Costa Rica
Cyprus
Dominican Republic
Ecuador

Ethiopia
Germany
Guatemala
Haiti
Honduras
Jordan
Kuwait
Lao People's Democratic Republic
Mexico
Panama

Republic of Korea
Singapore
South Africa
Spain
Tunisia
Ukraine
United Arab Emirates
Uruguay
Zambia



DIRECT MARKETING & ORGANIC FARMING

Direct Marketing Program

Direct Marketing allows producers and certified producers within the state to sell their agricultural products directly to consumers, or to individuals, organizations, and entities that then sell or distribute the products directly to the end user. Direct Marketing occurs while still allowing for 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 - 48

Certified Farmers' Markets

Tuesday Churn Creek Market

Wednesday Burney Market

Thursday Anderson Market

Saturday Redding Market

Sunday Turtle Bay Market

Shasta Lake Farmers' Market

Palo Cedro 50 Mile Market

Shingletown Farmers' Market

Registered Organic Program

Organic Products

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

Number of Farms

30

Acres

15,692



WEIGHTS AND MEASURES

REGISTERED DEVICES 2019:

Computing/ Electronic Scales	419	Railroad Scales	2	Vehicle Meters	60
Counter Scales	24	Platform Scales	91	LPG Stationary Meters	67
Prescription/ Jewelers Scales	17	Hopper Scale	1	LPG Vehicle Meters	29
Hanging/Spring Scales	25	Wire/Cordage Meters	38	Electric Meters	2305
Monorail/ Meat Beam Scales	3	Taxi Meters	18	Vapor Meters	2201
Livestock Scales	32	Retail Water Meters	12	Water Meters	1252
Vehicle Scales	52	Retail Motor Fuel Meters	2886	Total Devices	9,553
		Wholesale Fuel Meters	19		



2019 SUSTAINABLE AGRICULTURE REPORT

During the course of 2019, two “A” rated pests were intercepted and identified as Cannabis Aphids and South American Fruit Fly. An “A” rated pest is one of known economic or environmental detriment. Other significant pest interceptions included Scotch Thistle, Diffuse Knapweed, Skeleton Weed, Dagger Flower, Gray Pineapple Mealybug, Pacific Mealybug, and Pineapple Mealybug, Citrus Mealybug, and Western Flower Thrips.

Pest Exclusion

Inspection Type	Premise Visited	Shipments Inspected	Rejections	Pest Interceptions
Post Office	156	500	2	2
Parcel Service	514	3322	28	14
Gypsy Moth	3	3	0	0
Truck	45	2274	1	1

Pest Detection

Trap Type	Number of Traps Deployed
Jackson Trap	
Mediterranean Fruit Fly	182
Melon Fruit Fly	60
Oriental Fruit Fly	60
Delta Trap	
Gypsy Moth	365
Japanese Beetle Trap	
Japanese Beetle	80
Glassy-winged Sharpshooter	296
Light Brown Apple Moth	190
European Grapevine Moth	23

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

2019 SUSTAINABLE AGRICULTURE REPORT

Pest Management – Biological Control

Pest

Yellow Starthistle,
Centaurea solstitialis



Agent/Mechanism

Flower Weevil - *Larinus curtus*, Seed Weevil - *Bangasternus orientalis*, Hairy Weevil, *Eustenopus villosus*, Gall Fly - *Urophora sirunaseva*, Peacock Fly – *Chaetorellia australis*, YST Rust Fungus - *Puccinia jaceae* var *solstitialis*

Bull Thistle,
Cirsium vulgare



Gall Fly - *Urophora stylata*

Spotted Knapweed,
Centaurea maculosa



Gall Fly - *Urophora quadrifasciata*, Gall Fly - *Urophora affinis*, Lesser Knapweed Weevil- *Larinus minutus*, Root Moth - *Agapeta zoegana*, Root Boring Weevil – *Cyphocleonus achates*, Seedhead Weevil - *Bangasternus fausti*, Seedhead Fly - *Terellia virens*

Squarrose Knapweed,
Centaurea squarrosa



Lesser Knapweed Weevil - *Larinus minutus*, Bronze Rootborer - *Sphenoptera jugoslavica*

Purple Loosestrife,
Lythrum salicaria



Leaf Beetles - *Galerucella californiensis*, *Galerucella pusilla*, Seed Weevil - *Nanophyes marmoratus*, Root Weevil - *Hylobius transversovittatus*

Puncture Vine,
Tribulus terrestris



Seed Weevil - *Micolarinus lareynii*, Stem Weevil - *Micolarinus lypriformis*

St. Johnswort,
Hypericum perforatum



Klamath Weed Beetle - *Chrysolina* sp.

Red Gum Lerp Psyllid,
Glycaspis brimblecombei



Psyllid Parasitoid Wasp - *Psyllaephagus bliteous*



Shasta County

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