



SHASTA COUNTY



CROP & LIVESTOCK REPORT 2022





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
Kevin W. Crye, District 1
Tim Garman, District 2
Mary Rickert, District 3
Patrick Jones – Chair, District 4
Chris Kelstrom, District 5

David J. Rickert, County Executive Office,

It is my pleasure to present the 2022 Shasta County Crop and Livestock Report that is 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 2022 was \$89,147,000 which represents a \$6,585,000 (8.0%) increase from the previous reporting year, and a new record value for Shasta County.

Commodities that increased in value in 2022 include hay (20.9%), due to unprecedented price increases, cattle (18.9%), due to strong price increases, and nursery stock (56.9%), due to significant price increases. Crops that decreased in value include walnuts (62.5%), due to substantial production and price decrease, and irrigated pasture (17.9%), due to loss of surface water irrigation caused by drought restrictions.

The top three highest value agricultural crops for Shasta County in 2022 were:

1. Hay - \$31,537,000
2. Cattle - \$18,948,000
3. Apiary Products - \$10,839,000

I wish 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 Deputy Agricultural Commissioner & Sealer of Weights and Measures, John Ingram for the coordination and production of this report.

Respectfully Submitted,

Rick Gurrola
Agricultural Commissioner/Sealer of Weights & Measures

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

Assistant Agricultural Commissioner/ Sealer of Weights & Measures

Carl Yingst

Deputy Agricultural Commissioner/ Sealer of Weights & Measures

John Ingram

Agricultural and Standards Investigators

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Adam Davy

Karen Ennenga

Michael Bowles

Jennifer Tiehm

Kevin Mautz

Agricultural and Standards Program Associate

Wendi Hart

Agricultural and Standards Program Assistants

Cody Wade

Kathleen Parks

Administrative Staff

Lori Peisker, Agency Staff Service Analyst II

Brittany Walker, Admin Secretary II

Melissa Havens, Typist Clerk III

Seasonal Aides

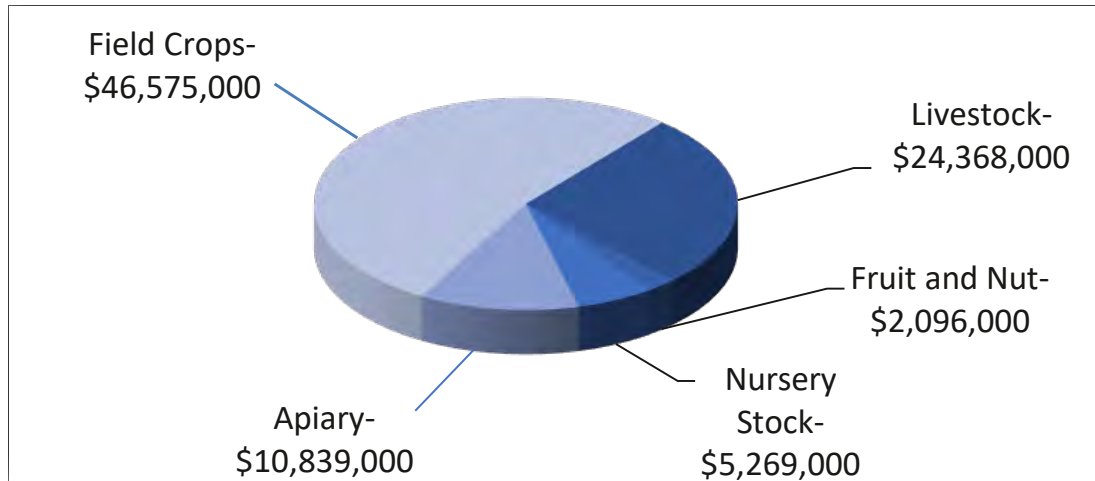
Donna Rice

Laura Diehl

Jamie Laguens

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Shasta County Livestock & Crop Summary



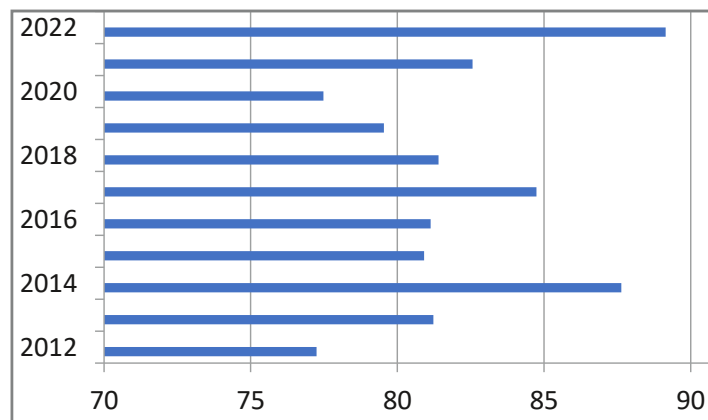
COMPARISON SUMMARY

	2022	2021	2020	2019
LIVESTOCK	\$24,368,000	\$21,656,000	\$17,729,000	\$23,367,000
APIARY	10,839,000	10,304,000	10,276,000	9,765,000
FIELD CROPS	46,575,000	42,689,000	39,144,000	30,919,000
NURSERY STOCK	5,269,000	3,366,000	7,073,000	8,989,000
FRUIT & NUT CROPS	2,096,000	4,547,000	3,255,000	6,507,000
TOTALS	\$89,147,000	\$82,562,000	\$77,477,000	\$79,547,000
TIMBER	\$13,999,777	\$30,516,743	\$37,486,268	\$39,721,204
OTHER FOREST PRODUCTS	*	*	\$2,930,016	\$2,633,996

*Included in Timber Production

Totals may not add due to rounding.

TOTAL VALUE OF AGRICULTURAL PRODUCTS 2012-2022



Million Dollars

LIVESTOCK PRODUCTION

ITEM	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG/UNIT	TOTAL
CATTLE & CALVES						
Steers & Heifers	2022	13,250	92,750	cwt	\$165.00	\$15,304,000
	2021	13,000	91,000	cwt	\$153.81	\$13,997,000
Cows & Bulls	2022	2,750	34,375	cwt	106.00	3,644,000
	2021	2,500	31,250	cwt	62.04	1,939,000
TOTAL CATTLE	2022					\$18,948,000
	2021					\$15,936,000
SHEEP & LAMBS						
SHEEP & LAMBS	2022	1,000	1,200	cwt	223.00	254,000
	2021	1,000	1,200	cwt	165.00	268,000
SWINE						
All Classes	2022	750	1,688	cwt	99.00	167,000
	2021	750	1,688	cwt	66.00	111,000
OTHER LIVESTOCK*						
	2022					4,999,000
	2021					5,341,000
TOTAL LIVESTOCK	2022					\$24,368,000
	2021					\$21,656,000

*Fish, Poultry, Goats, Alpacas, Livestock Products, Fair Sales



FOREST PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER PRODUCTION	2022	68,416	million bd. ft.	\$13,999,777
	2021	141,605	million bd. ft.	\$30,516,743

FRUIT & NUT CROPS

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WALNUTS	2022	1,400	1.15	1,610	ton	\$940.00	\$1,513,000
	2021	1,400	1.9	2,660	ton	\$1,517.00	\$4,035,000
MISC CROPS*	2022						108,000
	2021						92,000
WINE GRAPES	2022	200	1.9	380	ton	1,250.00	475,000
	2021	200	1.5	300	ton	1,400.00	420,000
TOTAL	2022						\$2,096,000
FRUIT & NUT CROPS	2021						\$4,547,000

*Apples, Olives, Stone Fruit, Pistachios, Berries



FIELD CROPS

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WILD RICE	2022	5,000	1,200	6,000,000	lb	\$.87	\$5,220,000
	2021	5,400	1,550	8,355,000	lb	\$.70	\$5,848,000
MISC CROPS*	2022						2,218,000
	2021						2,496,000
HAY							
Grass	2022	3,500	4.8	16,800	ton	435.00	7,308,000
	2021	3,500	5.0	17,500	ton	319.00	5,583,000
Alfalfa	2022	2,700	5.3	14,310	ton	361.00	5,166,000
	2021	2,400	5.5	13,200	ton	237.00	3,128,000
Other Hay	2022	12,500	3.3	41,250	ton	319.00	13,159,000
	2021	12,500	4.0	50,000	ton	276.00	13,800,000
Timothy Hay	2022	1,800	6.6	11,880	ton	497.00	5,904,000
	2021	1,700	6.2	10,540	ton	340.00	3,584,000
PASTURE							
Irrigated	2022	23,000			acre	140.00	3,220,000
	2021	28,000			acre	140.00	3,920,000
Improved	2022	100,000			acre	14.00	1,400,000
	2021	100,000			acre	14.00	1,400,000
Rangeland	2022	298,000			acre	10.00	2,980,000
	2021	293,000			acre	10.00	2,930,000
TOTAL FIELD CROPS	2022						\$46,575,000
	2021						\$42,689,000

*Grain, Seed, Vegetables, Garlic, Mint

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	2022	45,000	lb	\$3.19	\$144,000
	2021	39,108	lb	\$2.36	\$92,000
QUEENS	2022	275,000	ea	28.44	7,821,000
	2021	258,252	ea	26.80	6,921,000
POLLINATION	2022	9,000	colonies	203.64	1,833,000
	2021	8,631	colonies	205.22	1,771,000
MISC APIARY PRODUCTS*	2022				1,041,000
	2021				1,520,000
TOTAL APIARY PRODUCTS	2022				\$10,839,000
	2021				\$10,304,000

* Includes Package Bees, Beeswax, Nuclei and Medicinal Bees



Photo Credit Goes to: Wooten's Queens & Bees, Inc.

Shasta County's - 2022 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 277 certificates for the export of commodities produced in Shasta County to destinations around the world. Shasta County exported agricultural commodities to the following 20 countries in 2022.

Argentina

Australia

Canada

China

Cyprus

Dominican Republic

Ecuador

Ethiopia

Haiti

Honduras

India

Jordan

Korea, Republic of

Kuwait

Mexico

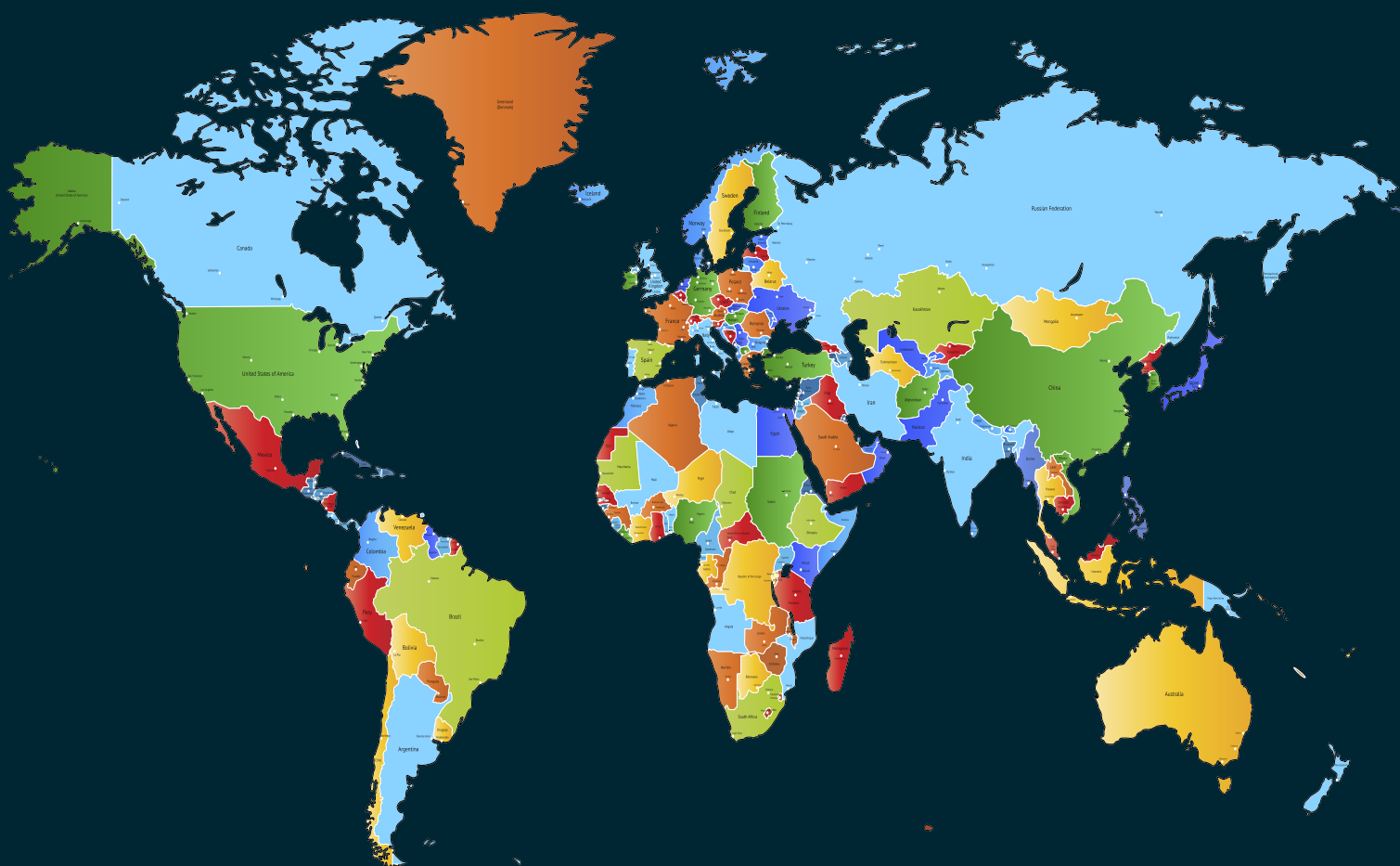
Panama

Saudi Arabia

Spain

Tunisia

Uruguay



NURSERY STOCK

CROP	YEAR	TOTAL	AVG/ UNIT	UNIT	TOTAL
NURSERY STOCK*	2022				\$5,200,000
	2021				\$3,314,000
CHRISTMAS TREES	2022	5,750	each	12.00	69,000
	2021	4,305	each	12.00	52,000
TOTAL NURSERY STOCK	2022				\$5,269,000
	2021				\$3,366,000

* Strawberry Nursery Stock, Ornamentals



2022 SUSTAINABLE

During the course of 2022, 75 “A” rated pests were intercepted in parcel shipments and identified as Ant (*Wasmannia auropunctata*), Armored Scale, Black Thread Scale, Boxwood Scale, Citrus Blackfly, Fig Wax Scale, Flower Thrips, Kirkaldys Whitefly, Lesser Snow Scale, Magnolia White Scale, Mango Shield Scale, Masked Scale, Oriental Scale, Pacific Mealybug, Rufous Scale, Sansservieria Scale, Striped Mealybug, Tea Scale, Tetranychid Mite, Whiteflies. Other significant pest interceptions included Ants, Aphids, Scale, Mealybugs, Beetles, Mites, and Whiteflies.

CDFA (California Department of Food and Agriculture) pest rating system lists an “A” rated pest as one of known economic or environmental detriment and is either not known to be established in California, or it is present in a limited distribution that allows for the possibility of eradication. “B” rated pest is one of known economic or environmental detriment and if present in California, it is of limited distribution. “C” rated pest is a pest of known economic or environmental detriment and if present in California, it is usually widespread.

Pest Exclusion

Inspection Type	Premise Visited	Shipments Inspected	Rejections	Pest Interceptions
Parcel Service	632	14,328	226	444
Truck	39	46	0	0

Pest Detection

Trap Type	Number of Traps Deployed
Jackson Trap	
Mediterranean Fruit Fly	180
Melon Fruit Fly	60
Oriental Fruit Fly	60
Delta Trap	
Spongy Moth	365
Japanese Beetle Trap	
Japanese Beetle	80
Glassy-winged Sharpshooter	300

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 promotes compatible, desirable, stable vegetation cover through the use of appropriate, environmentally sound, and cost-effective control methods. These methods can include a combination of chemical (herbicides), mechanical (mowing), manual (hand-cutting), or other treatments.

Scope of Program

In 2022, 528 sites spread over 40,934 acres throughout the County.

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*

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 9 Certified Producers 34

Certified Farmers' Markets

Tuesday Churn Creek Market

Saturday Redding Market

Palo Cedro Farmers' Market & Craft Fair

Wednesday Burney Market

Sunday Turtle Bay Market

Shingletown Farmers' Market

Thursday Anderson Market

Saturday Mt. Shasta Mall

Friday Turtle Bay

Registered Organic Program

Organic Products

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

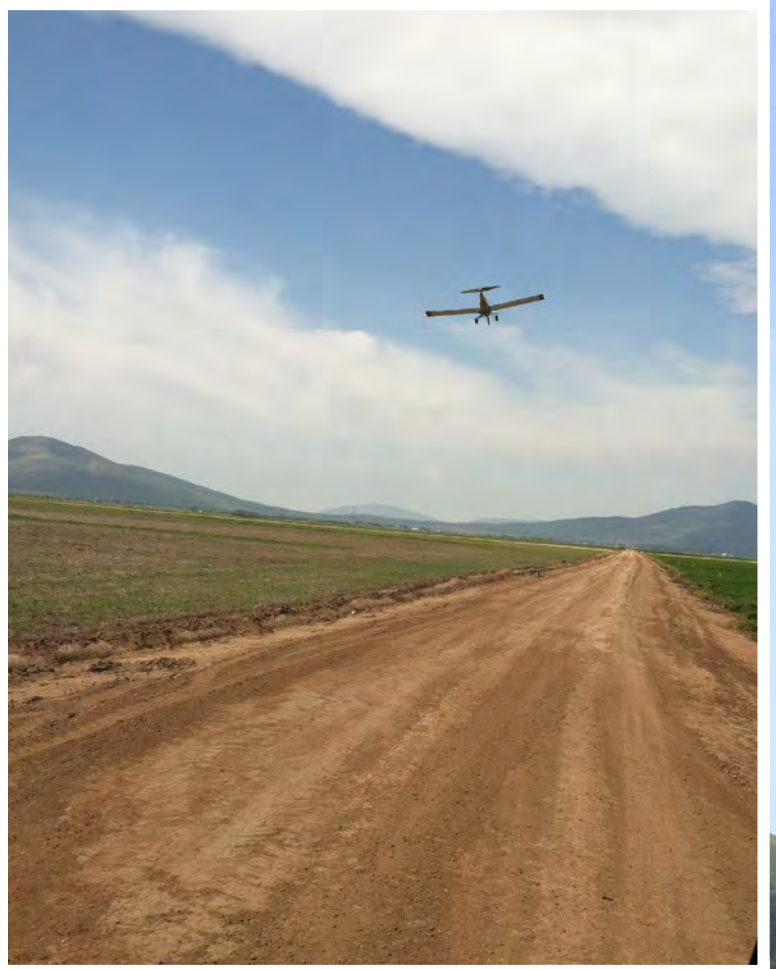
Number of Farms

27

Acres

7,687





Shasta Agriculture



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Department of Agriculture / Weights and Measures

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