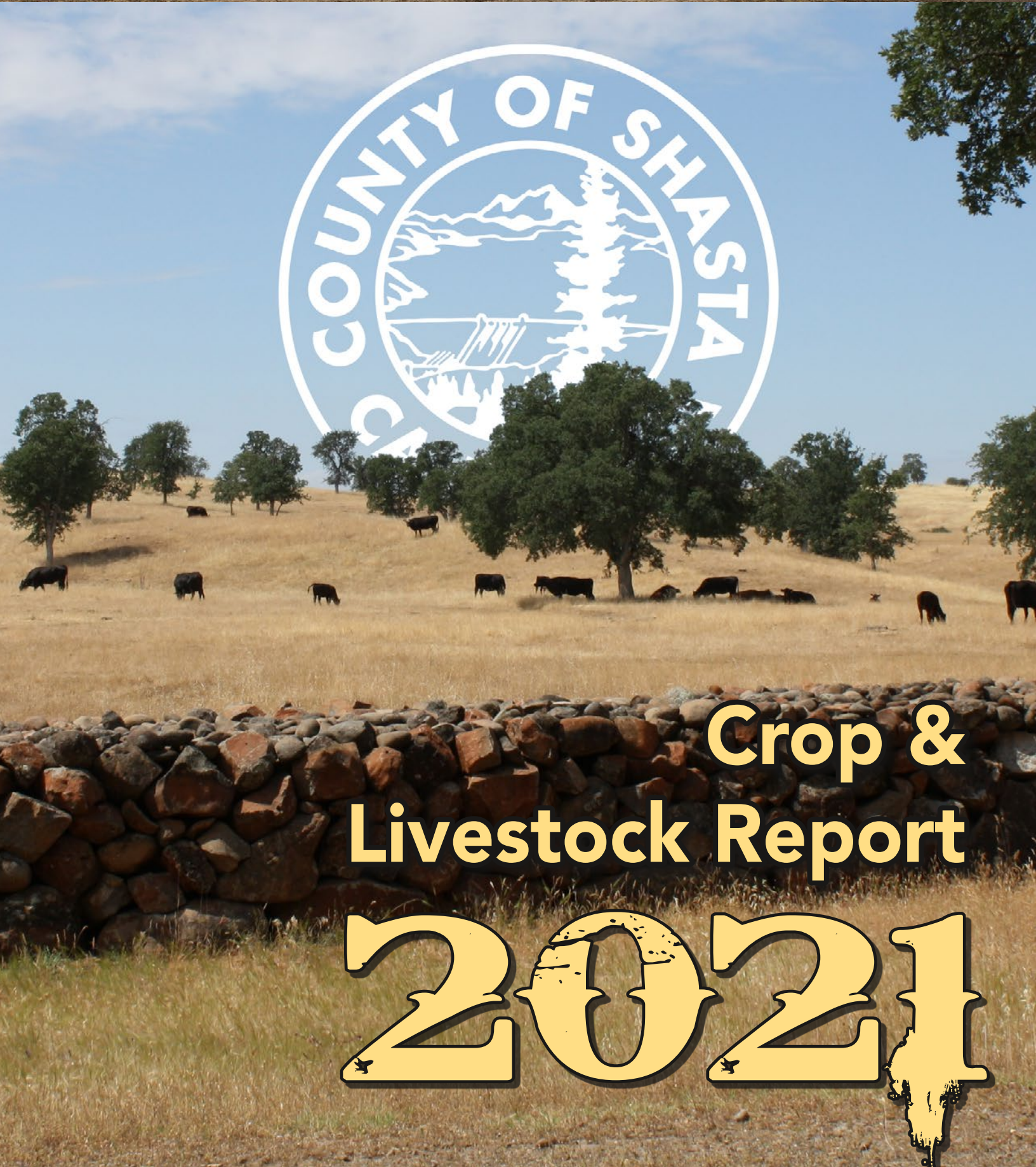
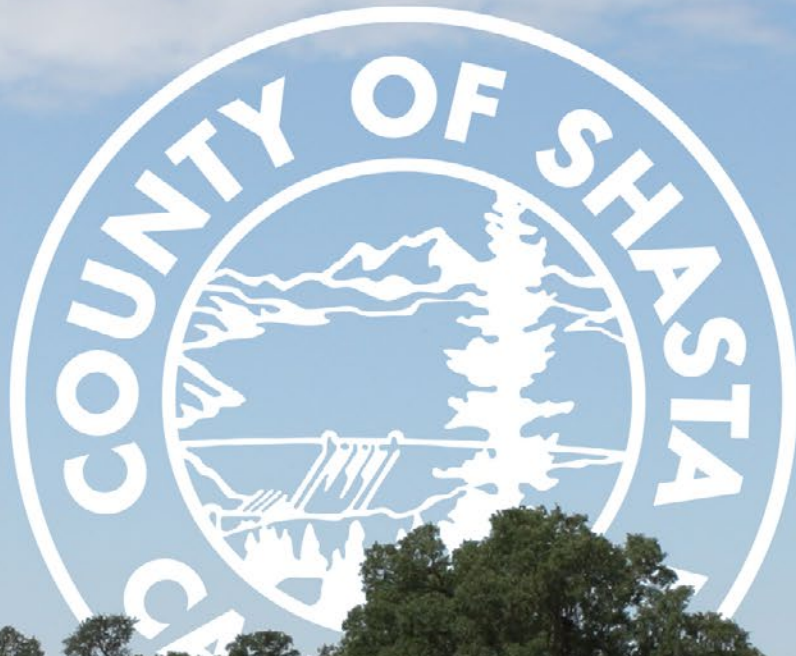


SHASTA COUNTY



Crop & Livestock Report

2021





SHASTA COUNTY

DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

Rick Gurrola
Agricultural Commissioner
Sealer of Weights & Measures

3179 Bechelli Lane, Suite 210, Redding, CA 96002
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 County

Joe Chimenti, District 1
Tim Garman, District 2
Mary Rickert, District 3
Patrick Jones, District 4
Les Baugh, Chair, District 5

Patrick J. Minturn, Acting County Executive Officer,

It is my pleasure to present the 2021 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 2021 was \$82,562,000 which represents a 6.6% increase from the previous reporting year.

Commodities that increased in value in 2021 include cattle (16.0%), due to price increases, wild rice (53.3%), due to slight yield increases and strong price increases, and walnuts (53.3%), due to significant yield and price increases. Crops that decreased in value include nursery stock (52.3%) due to continued production decline.

The top three highest value agricultural crops for Shasta County in 2021 were:

1. Hay - \$26,095,000
2. Cattle - \$15,936,000
3. Apiary Products - \$10,304,000

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 and Measures

Carl Yingst

Deputy Agricultural Commissioner/ Sealer of Weights & Measures

John Ingram

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Brittany Walker, Admin Secretary II

Melissa Havens, Typist Clerk III

Seasonal Aides

Donna Rice

Shane Buckalew

Kegan Richards

Jamie Laguens

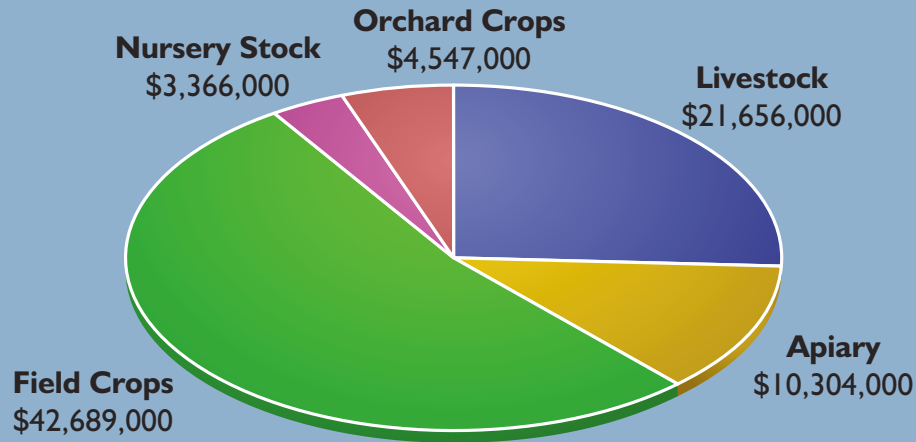
Natalie Rogers

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Front and Back Cover Photo Taken By:
John Ingram, Ash Creek Rd., Anderson, CA

Shasta County Livestock & Crop Summary

2021 TOTAL PRODUCTION VALUE: \$82,562,000



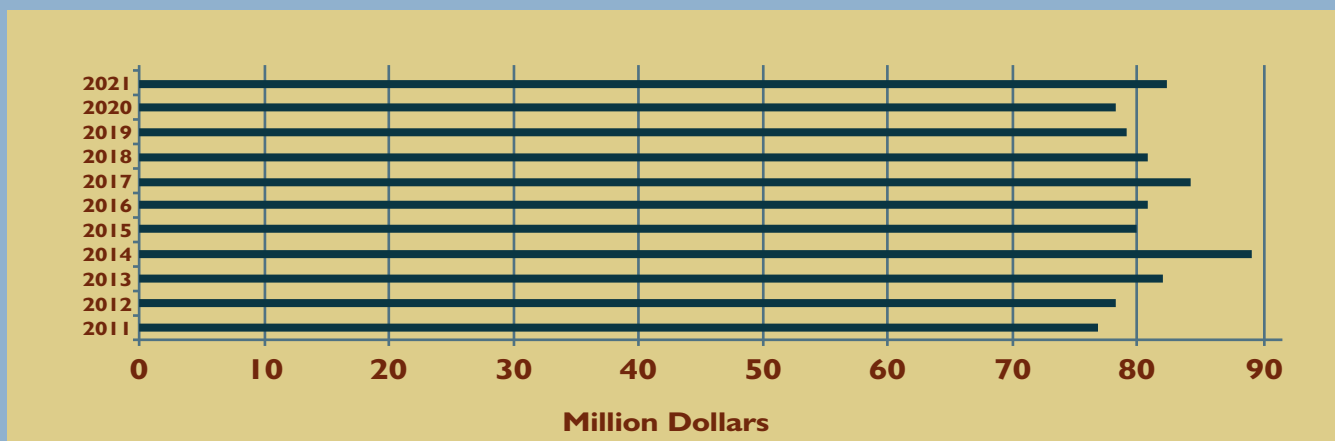
COMPARISON SUMMARY

	2021	2020	2019	2018
LIVESTOCK	\$21,656,000	\$17,729,000	\$23,367,000	\$20,652,000
APIARY	10,304,000	10,276,000	9,765,000	10,681,000
FIELD CROPS	42,689,000	39,144,000	30,919,000	34,285,000
NURSERY STOCK	3,366,000	7,073,000	8,989,000	12,190,000
FRUIT & NUT CROPS	4,547,000	3,255,000	6,507,000	3,594,000
TOTALS	\$82,562,000	\$77,477,000	\$79,547,000	\$81,402,000
TIMBER	\$30,516,743	\$37,486,268	\$39,721,204	\$51,315,661
OTHER FOREST PRODUCTS	*	\$2,930,016	\$2,633,996	\$3,878,097

*Included in Timber Production

Totals may not add due to rounding.

TOTAL VALUE OF AGRICULTURAL PRODUCTS 2011-2021



LIVESTOCK PRODUCTION

ITEM	YEAR	NO. HEAD	TOTAL LIVEWEIGHT	UNIT	AVG/UNIT	TOTAL
CATTLE & CALVES						
Steers & Heifers	2021	13,000	91,000	cwt	\$153.81	\$13,997,000
	2020	13,000	91,000	cwt	\$134.50	\$12,240,000
Cows & Bulls	2021	2,500	31,250	cwt	62.04	1,939,000
	2020	2,500	31,250	cwt	48.07	1,502,000
TOTAL CATTLE	2021					\$15,936,000
	2020					\$13,742,000
SHEEP & LAMBS	2021	1,000	1,200	cwt	223.00	268,000
	2020	1,800	2,160	cwt	165.00	356,000
SWINE All Classes	2021	750	1,688	cwt	66.00	111,000
	2020	750	1,688	cwt	58.00	98,000
OTHER LIVESTOCK*	2021					5,341,000
	2020					3,533,000
TOTAL LIVESTOCK	2021					\$21,656,000
	2020					\$17,729,000

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



FOREST PRODUCTS

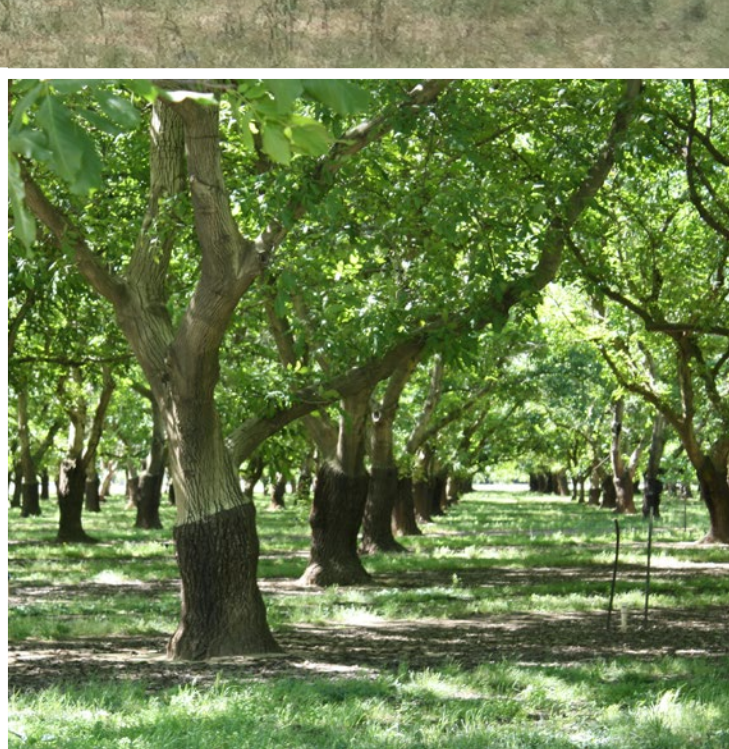
ITEM	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER PRODUCTION	2021	141,605	million bd. ft.	\$30,516,743
	2020	188,572	million bd. ft.	\$37,486,268
MISC. FOREST* PRODUCTS	2021			\$**
	2020			\$2,930,016*

*Cull Logs, Pulp Chips & Hardwood Logs, Wood Produced Fuel Chips, Poles and Pilings, Misc. Small Sawlogs, Misc. Conifer Species
 **Now included in Timber Production. No longer broken out of timber total provided by Ca Timber Tax Board

FRUIT & NUT CROPS

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/ UNIT	TOTAL
WALNUTS	2021	1,400	1.9	2,660	ton	\$1,517.00	\$4,035,000
	2020	1,400	1.4	1,960	ton	\$1,341.00	\$2,628,000
MISC CROPS*	2021						92,000
	2020						127,000
WINE GRAPES	2021	200	1.5	300	ton	1,400.00	420,000
	2020	200	2.5	500	ton	1,000.00	500,000
TOTAL FRUIT & NUT CROPS	2021						\$4,547,000
	2020						\$3,255,000

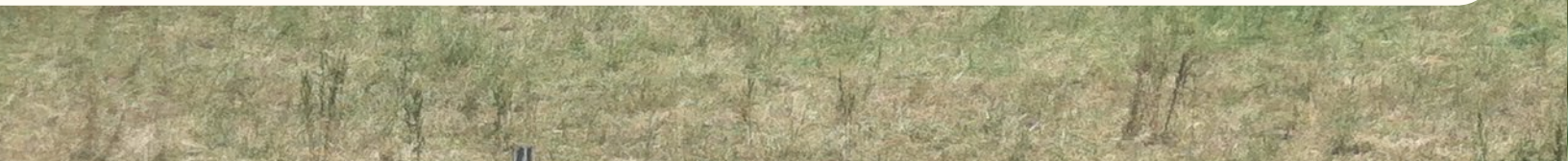
*Apples, Olives, Stone Fruit, Pistachios, Berries



FIELD CROPS

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
WILD RICE	2021	5,400	1,550	8,355,000	lb	\$.70	\$5,848,000
	2020	5,500	1,360	7,480,000	lb	\$.51	\$3,815,000
MISC CROPS*	2021						2,496,000
	2020						2,797,000
HAY							
Grass	2021	3,500	5.0	17,500	ton	319.00	5,583,000
	2020	3,500	4.0	14,000	ton	205.00	2,870,000
Alfalfa	2021	2,400	5.5	13,200	ton	237.00	3,128,000
	2020	3,100	7.3	22,630	ton	232.00	5,250,000
Other Hay	2021	12,500	4.0	50,000	ton	276.00	13,800,000
	2020	12,000	4.3	51,600	ton	238.00	12,281,000
Timothy Hay	2021	1,700	6.2	10,540	ton	340.00	3,584,000
	2020	2,000	6.2	12,400	ton	313.00	3,881,000
PASTURE							
Irrigated	2021	28,000			acre	140.00	3,920,000
	2020	28,000			acre	140.00	3,920,000
Improved	2021	100,000			acre	14.00	1,400,000
	2020	100,000			acre	14.00	1,400,000
Rangeland	2021	293,000			acre	10.00	2,930,000
	2020	293,000			acre	10.00	2,930,000
TOTAL FIELD CROPS	2021						\$42,689,000
	2020						\$39,144,000

*Grain, Seed, Vegetables, Garlic, Mint



APIARY PRODUCTS



ITEM	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	2021	39,108	lb	\$2.36	\$92,000
	2020	42,750	lb	\$2.48	\$106,000
QUEENS	2021	258,252	ea	26.80	6,921,000
	2020	231,878	ea	26.91	6,240,000
POLLINATION	2021	8,631	colonies	205.22	1,771,000
	2020	8,878	colonies	201.59	1,790,000
MISC APIARY PRODUCTS*	2021				1,520,000
	2020				2,140,000
TOTAL	2021				\$10,304,000
APIARY PRODUCTS	2020				\$10,276,000

* Includes Package Bees, Beeswax, Nuclei and Medicinal Bees



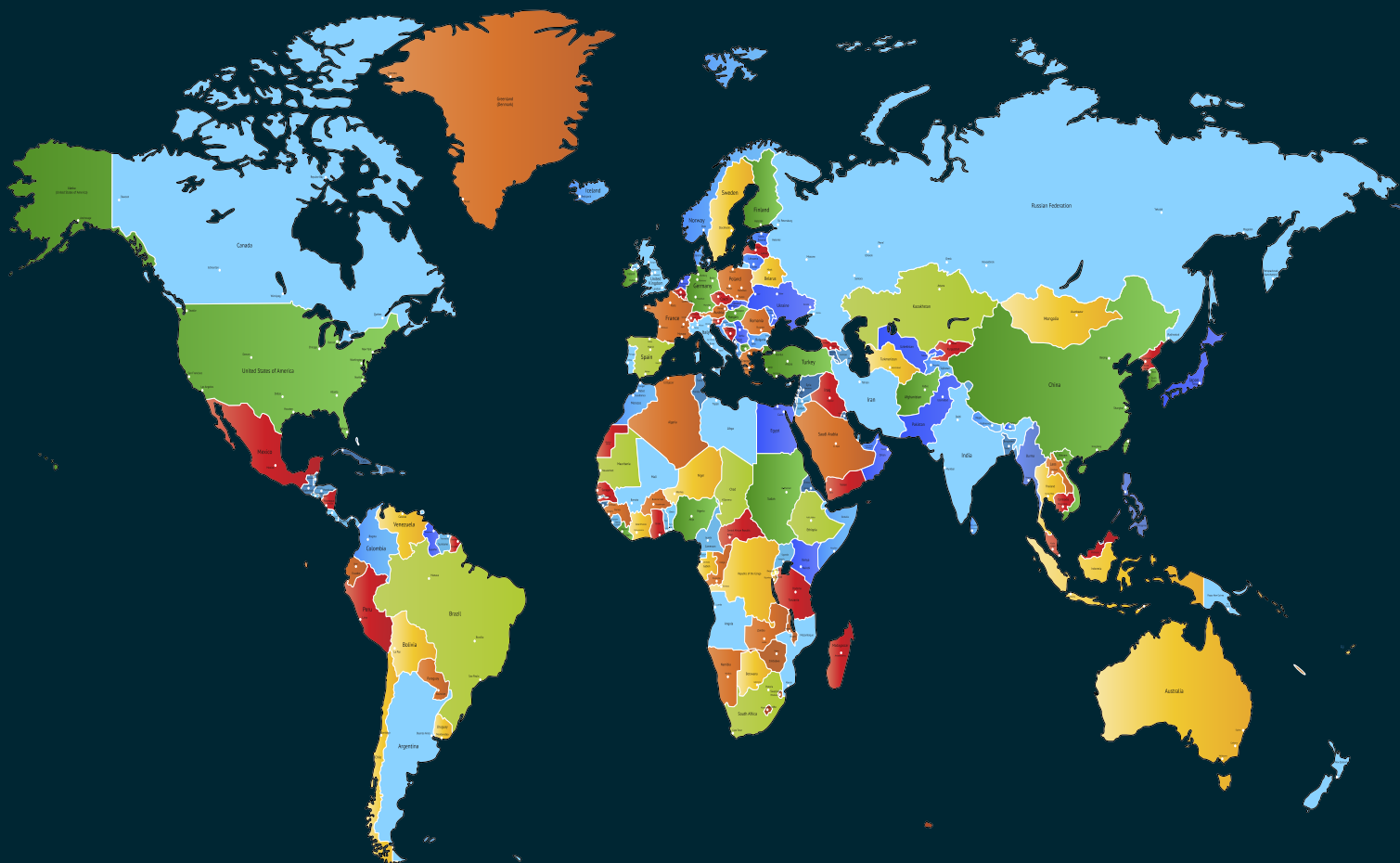
Shasta County's - 2021 Agricultural Export Trade Partners

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 283 certificates for the export of commodities produced in Shasta County to destinations around the world. Shasta County exported agricultural commodities to the following 27 countries in 2021.

Albania
Argentina
Australia
Bahrain
Canada
China
Cyprus
Dominican Republic
Ecuador

Ethiopia
Germany
Guatemala
Haiti
Honduras
India
Jordan
Kenya
Korea, Republic of

Kuwait
Mexico
Oman
Panama
Qatar
Saudi Arabia
Spain
Tunisia
Uruguay



NURSERY STOCK

CROP	YEAR	TOTAL	AVG/ UNIT	UNIT	TOTAL
NURSERY STOCK*	2021 2020				\$3,314,000 \$6,953,000
CHRISTMAS TREES	2021 2020	4,305 7,747	each each	12.00 15.49	52,000 120,000
TOTAL NURSERY STOCK	2021 2020				\$3,366,000 \$7,073,000

* Strawberry Nursery Stock, Ornamentals



2021 SUSTAINABLE

During the course of 2021, 71 “A” rated pests were intercepted in parcel shipments and identified as Lesser Snow Scale, Boxwood Scale, Mango Shield Scale, Sansevieria Scale, Black Thread Scale, Ochetellus Glaber (ant), Pacific Mealybug, and Jackbeardsley Mealybug, Striped Mealybug, Rufous Scale, Wasmannia auroguttata (ant), and Monomorium floricola (ant). Other significant pest interceptions included Scotch Thistle, Diffuse Knapweed, Skeleton Weed, Dagger Flower, Gray Pineapple Mealybug, Pacific Mealybug, Pineapple Mealybug, Citrus Mealybug, Western Flower Thrips, Cottony Cushion Scale, Long-tailed Mealybug, Purple Scale, Brown Soft Scale, Citrus Leaf Miner, Citrus Mealybug, Armored Scale Whiteflies, Weevils, various Scale Insects, and Hawaiian Flower Thrips.

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
Post Office	47	36	0	0
Parcel Service	702	15,979	344	599
Truck	26	29	0	0

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	299
Light Brown Apple Moth	190
European Grapevine Moth	21

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 2021, 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 - 7

Certified Producers - 30

Certified Farmers' Markets

Tuesday Churn Creek Market

Wednesday Burney Market

Thursday Anderson Market

Saturday Redding Market

Sunday Turtle Bay Market

Palo Cedro Farmers' Market & Craft Fair

Shingletown Farmers' Market

Registered Organic Program

Organic Products

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

Number of Farms

33

Acres

8,443





SHASTA AGRICULTURE



Shasta County

Department of Agriculture / Weights and Measures

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Redding, California 96002

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