



# TEHAMA COUNTY

## CROP & LIVESTOCK REPORT 2021





# 100<sup>TH</sup> ANNUAL TEHAMA DISTRICT FAIR *2nd Round*



Did you know that the Tehama County Farm Bureau started our Fair? This gave our community the opportunity to showcase their goods and share ideas about local agriculture. They ran the Fair for about 10 years before hiring a Fairgrounds Manager.





# COUNTY OF TEHAMA DEPARTMENT OF AGRICULTURE

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Agricultural Commissioner/Sealer

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California Department of Food and Agriculture

The Honorable Board of Supervisors of Tehama County

Bill Moule, Vice Chair, District 1  
Candy Carlson, Chair, District 2  
Dennis Garton, District 3  
Bob Williams, District 4  
John Leach, District 5

It is my pleasure to present the 2021 Tehama County Crop & Livestock Report that is prepared pursuant to the provisions of Section 2279 of the California Food and Agricultural Code. This annual report is a summary estimate of acreage, yields, and production values for the agricultural industry in Tehama County. All figures in the report represent gross values only and do not reflect net income of producers.

The total gross value of Tehama County agricultural production in 2021 was \$333,063,800, which represents an increase of 26% (\$69,166,800) from the previous year. Almonds increased in value to become Tehama County's top crop with an overall value of \$77,965,500.

In 2021, Fruit and Nut Crops continue to be our top producing commodities with a total value of \$228,340,500, which represents an overall increase of 36% from 2020. Other commodities that increased in value include Apiary Products & Services (12%), due to price increases and number of hives registered, Livestock and Poultry Products (21%), due to increase in production and value, and Seed Crops due to a larger amount of harvested acreage.

The top five highest value agricultural crops for Tehama County in 2021 were:

1. Almonds - \$77,965,500
2. Walnuts - \$76,603,900
3. Beef Cattle - \$27,610,700
4. Prunes - \$25,077,200
5. Table Olives - \$21,107,700

My sincere appreciation is extended to the growers, processors, government agencies, and others that provided information used in preparing this report, as this publication would not be possible without their combined efforts.

I wish to thank my staff that assisted in compiling this report with special recognition to Kim Smith and Heather Kelly for the report's overall coordination and production.

Respectfully submitted,

Doni Rulofson

Agricultural Commissioner



# TOP 5 HIGHEST VALUE CROPS







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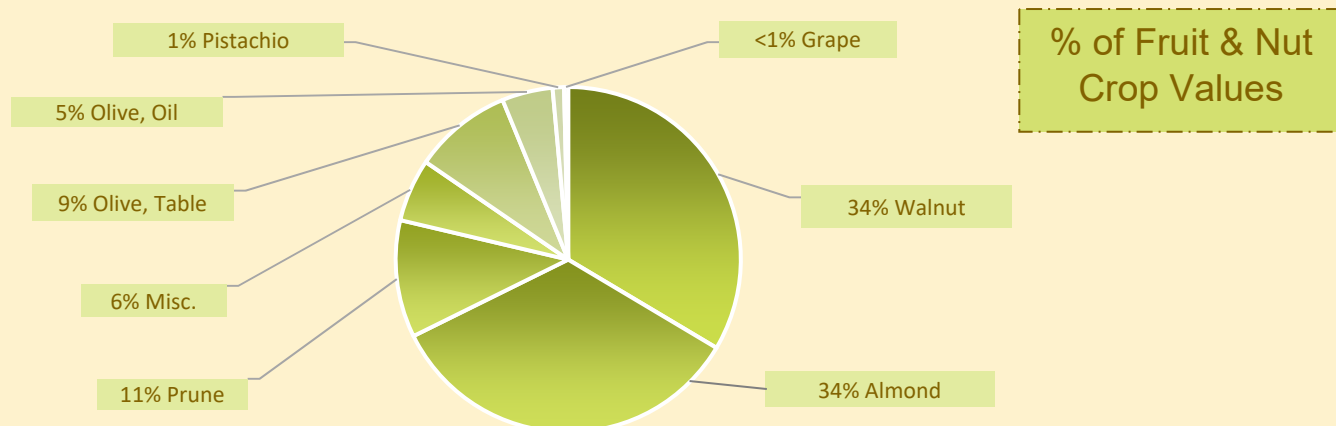
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## FRUIT AND NUT CROPS

Crop	Year	Bearing Acres	Yield (tons/acre)	Total Tons	Value/Ton	Total Value
Almond (meats)	2021	17,922	0.97	17,384	\$4,485	\$77,965,500
	2020	15,768	0.94	14,822	\$3,488	\$51,699,100
Olives, Table	2021	4,161	5.29	22,012	959	21,107,700
	2020	4,377	2.29	10,023	1,143	11,456,300
Olives, Oil	2021	3,687	4.67	17,218	630	10,845,800
	2020	4,177	2.08	8,688	741	6,433,700
Prunes	2021	5,204	2.32	12,073	2,077	25,077,200
	2020	5,055	1.64	8,290	1,694	14,043,300
Walnuts (in shell)	2021	29,291	1.85	54,188	1,414	76,603,900
	2020	27,849	2.11	58,761	1,232	72,393,600
Grapes	2021	206	2.54	523	1,706	892,400
	2020	138	4.23	584	1,804	1,053,500
Pistachios	2021	693	0.84	582	4,157	2,419,400
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Miscellaneous*	2021					13,428,600
	2020					11,297,000
Total	2021					\$228,340,500
	2020					\$168,376,500

\*Misc.: Almond Hulls, Apples, Apricots, Blueberries, Cherries, Mandarins, Oranges, Organic Figs, Peaches, Pecans, Persimmons, Pomegranates, Strawberries, Walnut Shells, Citrus, Stone Fruit, & Pome Fruit.







## FIELD CROPS

Crop	Year	Harvested Acres	Yield (tons/acre)	Total Tons	Value/Ton	Total Value
Wheat Hay	2021	2,510	3.74	9,387	\$125	\$1,173,400
	2020	1,837	3.19	5,860	\$180	\$1,051,900
Corn	2021	502	6.22	3,122	207	646,900
	2020	621	6.74	4,186	173	725,400
Alfalfa Hay	2021	1,253	5.94	7,443	229	1,704,400
	2020	1,240	6.84	8,482	203	1,725,700
Grain Hay	2021	1,186	2.26	2,680	180	482,400
	2020	1,895	1.60	3,032	171	518,700
Hay, Other	2021	1,442	3.95	5,696	272	1,549,300
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Miscellaneous*	2021					1,439,200
	2020					1,899,800
Total	2021					\$6,995,600
	2020					\$5,921,500

\*Misc.: Barley (field), Beans, Hops, Lavender, Rye Grass, Safflower, Sudan Grass Hay, Sorghum Milo, Corn Silage, Grass Silage, Triticale, & Wild Rice.





## SEED CROPS

	Year	Harvested Acres	Total Value
Miscellaneous*	2021	196	\$819,200
	2020	157	\$235,400

\*Includes Certified and Uncertified Sunflowers, Squash, Watermelon, Cucumber & Wheat

## VEGETABLE CROPS

	Year	Harvested Acres	Total Value
Misc. Vegetables*	2021	113	\$281,800
	2020	133	\$331,300

\*Includes Certified Farmer's Markets & Roadside Stands

## NURSERY PRODUCTS

	Year	Total Value
Nursery*	2021	\$17,600,400
	2020	\$16,953,600

\*Includes Bamboo, Berries, Grapevines, & Bedding Plants







## LIVESTOCK AND POULTRY

	Year	Number of Head Sold	Total Live Weight (cwt)	Value/cwt	Total Value
Calves	2021	5,225	28,687	\$143	\$4,102,200
	2020	5,155	28,302	\$125	\$3,537,800
Feeders	2021	12,193	85,348	142	12,119,400
	2020	12,029	84,202	141	11,872,500
Feedlot	2021	20,538	41,076	151	6,202,500
	2020	20,304	36,141	151	5,457,300
Registered Stock	2021	262			1,675,600
	2020	283			1,651,800
Cows & Bulls	2021	3,328	43,888	80	3,511,000
	2020	3,328	43,888	66	2,896,600
Dairy Cattle	2021				1,477,000
	2020				1,627,300
Meat Goats	2021	2,500	2,500	311	777,500
	2020	2,500	2,500	250	625,000
Misc. Livestock*	2021				2,609,300
	2020				2,379,200
Total	2021				\$32,474,500
	2020				\$30,047,500

\*Misc.: Aquaculture, Sheep & Lambs, Hogs & Pigs, Bison, Poultry, Rabbits, & Misc. Fowl







## LIVESTOCK AND POULTRY PRODUCTS

	Year	Production	Value	Total Value
Milk	2021	510,000 cwt	\$19.72/cwt*	\$10,055,700
	2020	390,000 cwt	\$19.60/cwt	\$7,644,000
Animal Fiber**	2021	2,055 hd	2.15/lb	44,183
	2020	2,000 hd	2.10/lb	42,000
Eggs	2021			2,443,000
	2020			2,667,700
Total	2021			\$12,542,900
	2020			\$10,353,700

\*Source: Federal Marketing Order

\*\*Animal Fiber: Includes Wool & Alpaca Fiber

## PASTURE AND RANGE

	Year	Acres	Value/Acre	Total Value
Irrigated Pasture	2021	17,550	\$240	\$4,212,000
	2020	17,600	\$225	\$3,960,000
Range	2021	913,800	10.70	9,777,700
	2020	914,000	10.70	9,779,800
Stubble*	2021	4,835	8.75	42,300
	2020	4,208	8.75	36,800
Total	2021			\$14,032,000
	2020			\$13,776,600

\*Includes Rice, Sudan, Barley & Wheat





## APIARY PRODUCTS AND SERVICES

	Year	Colonies	Value/Colony	Total Value
Pollination	2021	37,005	\$199	\$7,364,000
	2020	32,614	\$192	\$6,261,900
Apiary Products*	2021			12,612,900
	2020			11,639,000
Total	2021			\$19,976,900
	2020			\$17,900,900

\*Includes Honey, Queens, Wax, & Package Bees



## TIMBER PRODUCTS

	Year	Harvested Board Feet	Total Value
Timber Products*	2021	36,398,000	\$4,981,201
	2020	52,207,000	\$9,241,401

\*Data Provided by National Agricultural Statistics Service

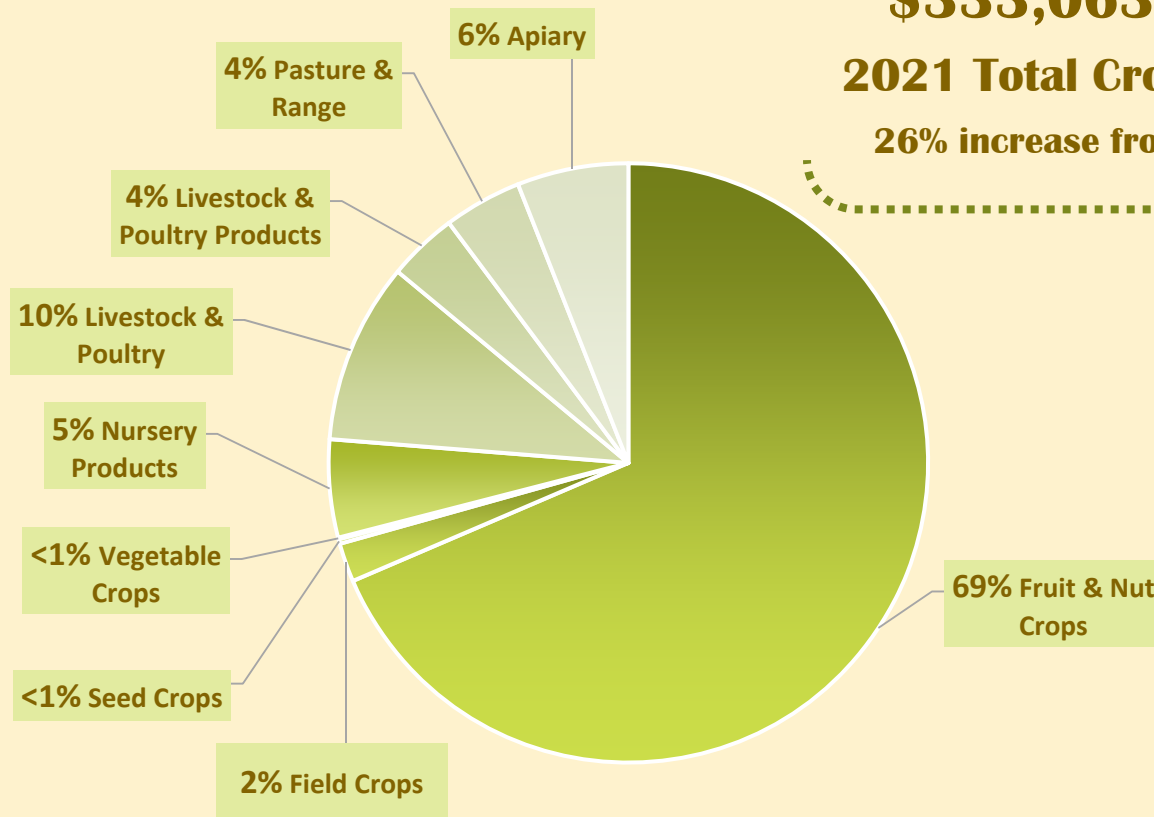


# SUMMARY

**\$333,063,800**

**2021 Total Crop Value**

**26% increase from 2020**



Commodity	2019	2020	2021	2020-2021 % Change
Fruit & Nut Crops	\$207,804,700	\$168,376,500	\$228,340,500	36%
Field Crops	7,405,300	5,921,500	6,995,600	18%
Seed Crops	646,000	235,400	819,200	248%
Vegetable Crops	293,800	331,300	281,800	-15%
Nursery Products	10,264,000	16,953,600	17,600,400	4%
Livestock & Poultry	30,438,600	30,047,500	32,474,500	8%
Livestock & Poultry Products	12,768,900	10,353,700	12,542,900	21%
Pasture & Range	15,492,800	13,776,600	14,032,000	2%
Apiary Products & Services	15,735,100	17,900,900	19,976,900	12%
<b>Total</b>	<b>\$300,849,200</b>	<b>\$263,897,000</b>	<b>\$333,063,800</b>	<b>26%</b>

## A GLIMPSE INTO THE PAST

Crops	2011 Total Acres	2021 Total Acres	2011 Value	2021 Value
Almonds	9,399 acres	17,922 acres	\$23,099,600	\$77,965,500
Olives (Table)	6,365 acres	4,161 acres	\$3,690,100	\$21,107,700
Olives (Oil)	—	3,687 acres	*	\$10,845,800
Prunes	8,310 acres	5,204 acres	\$29,753,300	\$25,077,200
Walnuts	19,204 acres	29,291 acres	\$93,799,100	\$76,603,900
Grapes	90 acres	206 acres	\$453,500	\$892,400
Wheat	2,091 acres	2,510 acres	\$1,033,000	\$1,173,400
Corn	1,656 acres	502 acres	\$1,901,800	\$646,900
Alfalfa	1,892 acres	1,253 acres	\$2,534,900	\$1,704,400
Grain Hay	4,491 acres	1,186 acres	\$2,216,100	\$482,400
Nursery Products	—	—	\$11,103,000	\$17,600,400

Livestock	2011 Value	2021 Value
Dairy Cattle	\$2,768,200	\$1,477,000
Beef Cattle	\$20,430,000	\$27,610,700
Dairy Products	\$15,553,000	\$10,055,700
Meat Goats	*	\$777,500

Annual Total**	\$245,670,000	\$333,063,800
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\* No correlating values between 2011 and 2021

\*\* Totals will not add to above values listed



# SUSTAINABLE AGRICULTURAL REPORT

In accordance with Section 2272 of the California Food and Agriculture Code, the Sustainable Agricultural Report provides a brief account of efforts being made to exclude or eradicate exotic pests and to best manage those which already exist in a manner most conducive to the protection of agricultural production and our environment.

## Quarantine Inspections – 1<sup>st</sup> Line of Defense

During 2021, 226 shipments of agricultural products were inspected for compliance with quarantine requirements, which resulted in no live detections. These included 95 border station hold notices (008), 76 glassy-winged sharpshooter interior hold notices (blue tags), and 55 truckloads of bee hives.



Small Hive Beetle

## Pest Prevention – 2<sup>nd</sup> Line of Defense

Tehama County's pest prevention program included pest detection trapping for several exotic pests. Trapping and nursery inspections were conducted for light brown apple moth and glassy-winged sharpshooter. European grapevine moth traps were placed in commercial grape vineyards. Asian citrus psyllid traps were deployed throughout the county during a winter trapping survey. In support of a statewide survey, we deployed 24 invasive shot hole borer (*Euwallacea spp.*) traps targeting woodlands and wood debris throughout the county. This survey resulted in no detections.



Glassy-winged Sharpshooter  
125 traps deployed  
No detections



Light Brown Apple Moth  
53 traps deployed  
No detections



European Grapevine Moth  
16 traps deployed  
No detections



Asian Citrus Psyllid  
124 traps deployed  
No detections



Mediterranean Fruit Fly  
63 traps deployed  
No detections



Oriental Fruit Fly  
23 traps deployed  
No detections



Melon Fly  
18 traps deployed  
No detections



Japanese Beetle  
29 traps deployed  
No detections



Gypsy Moth  
220 traps deployed  
No detections



# SUSTAINABLE AGRICULTURAL REPORT

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## Noxious Weeds

Tehama County encompasses approximately 1,904,640 acres, which are surveyed by our department for noxious weeds listed by California Department of Food and Agriculture. In 2021, four noxious weeds were under eradication and five species were under limited control treatment.

### Eradication Species – 3<sup>rd</sup> Line of Defense

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Canada Thistle  
*Cirsium arvense*  
B-rated



Courtesy Joseph DiTomaso

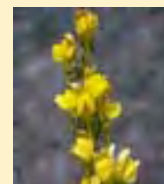
Spotted Knapweed  
*Centaurea stoebe*  
A-rated



Skeleton Weed  
*Chondrilla juncea*  
A-rated



Dalmatian Toad-Flax  
*Linaria dalmatica*  
A-rated



### Limited-Control Species

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Whitehorse Nettle  
*Solanum elaeagnifolium*  
B-rated



Perennial Peppergrass  
*Lepidium latifolium*  
B-rated



Oblong Spurge  
*Euphorbia oblongata*  
B-rated



Heart-podded Hoarygrass  
*Lepidium draba*  
B-rated



Courtesy Joseph DiTomaso

Russian Knapweed  
*Acroptilon repens*  
B-rated





# ORGANIC FARMING AND DIRECT MARKETING

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## Organic Farming

Thirty-one organic growers registered in Tehama County in 2021. Organically farmed land totaled 151,765 acres, including rangeland. Operations range from small gardens catering to local Certified Farmer's Markets to livestock, dairy, orchard, and field crop producers providing products on a larger scale.



## Certified Farmer's Markets (Direct Marketing)

Certified Farmer's Markets are diverse marketplaces that allow farmers to sell directly to the consumer and allows the consumer to directly interact with the farmer to learn how their food is produced. Tehama County issued 32 Certified Producer Certificates in 2021.

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### *2021 Certified Farmer's Markets*

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#### **Red Bluff Chamber of Commerce Certified Farmer's Market**

Washington and Pine Streets, Downtown Red Bluff

June-August

Wednesdays, 5-8 P.M.

#### **Saturday Market by the River**

100 Main Street, Red Bluff

Year-Round

Saturdays 9 A.M. – 1 P.M.

# TEHAMA COUNTY EXPORTS

Phytosanitary certificates are documents stating that a said plant or plant product is free from pests and diseases, which are required by an importing country. Import requirements are designed to protect the importing countries' agricultural industry from insects and diseases, which have the potential to arrive with the shipment, and to ensure a higher quality product.

## **USDA Phytosanitary Certificates Issued: 1,419**

Global Exports: Almonds, Figs, Lumber, Pecans, Prunes,  
Strawberry Plants, Walnuts, Walnut Shells, & Wine Grapevines.

### **Importing Countries**



## **State Phytosanitary Certificates Issued: 42**

State Exports: Strawberry Plants,  
Olive Trees, & Wine Grapevines

Importing States:  
Alabama, Florida, Idaho, North Carolina,  
New York, Oregon, Texas, & Washington.



**WITH MUCH GRATITUDE AND APPRECIATION, WE DEDICATE THE  
2021 TEHAMA COUNTY CROP REPORT TO  
LOREN GEHRUNG, RICHARD BORCHARD AND DAVID STOFFEL**



**Loren Gehrung:**

Loren faithfully served Tehama County for 15 years. As an Agricultural Biologist/Weights & Measures Specialist III, she was active in Weights & Measures inspections, Pest Detection, Pest Exclusion, Plant and Insect Identification, BeeWhere, Phytosanitary Certification, Certified Producer, Organic and Pesticide Enforcement programs. She became quite efficient at mapping in the CalAg Permits software program and was instrumental in keeping our field data current. Loren was an advocate for the public and promoted fairness in weights and measures. She was especially diligent in resolving billing errors for sub-metered utility complaints.



**Richard Borchard:**

Richard retired from Tehama County after 9 years of dedicated service as an Agricultural/Weights & Measures Aide. Richard was the primary lead for the urban Pest Detection program in which he deployed and serviced approximately 300 insect traps throughout Tehama County. The pest detection program is the second line of defense against potential infestations from non-native pests. Pests that he surveyed for included glassy-winged sharpshooter, light brown apple moth, Japanese beetle, gypsy moth, Mediterranean fruit fly, melon fly, and Oriental fruit fly. Richard also assisted in the weights and measures program with device inspections at retail motor fuel stations. He also established a weed mapping database for our noxious weed program.



**David Stoffel:**

After more than 33 years of dedicated service to Tehama County, David retired from the Agriculture Department. David began his career with Tehama County in 1989 as an Agricultural Biologist. David has expertise in many programs, which made his service to Tehama County so valuable. He promoted to the Ag Biologist IV position specializing in weed identification, eradication and control, apiary inspections and outreach to the bee industry. After 31 years as a biologist for the county, David's knowledge and passion for bees was rewarded by CDFA offering him a contract to work as the State Apiary Specialist. During the last 2 1/2 years of his career, he conducted apiary inspector trainings throughout California. He consulted with CDFA, county apiary inspectors and members of the bee industry. He was an integral part of developing a strong statewide apiary program.



# DEPARTMENT OF AGRICULTURE/ WEIGHTS AND MEASURES STAFF

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Photographs provided by Tehama District Fair, Loren Gehrung, Heather Kelly, Ryan Knight, Shelley Macdonald, Juan Rodriguez, Kim Smith, Sue Silvera, and Doni Rulofson.



Tehama County  
Department of Agriculture  
would like to thank all the contributors to the  
2021 Crop & Livestock Report.



Thank You!  
Your support is much appreciated.



Tehama County—2021 Annual Crop Report

<http://www.co.tehama.ca.us/>

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