

Tehama County



2017

Annual Crop Report

Floods and Fire—2017

By Heather Kelly, Agricultural Biologist/Weights and Measures Specialist

*How high's the water, mama?
Two feet high and risin'
How high's the water, papa?
Two feet high and risin'*

*We can make it to the road in a homemade boat
That's the only thing we got left that'll float
It's already over all the wheat and the oats,
Two feet high and risin'...*

Written by Johnny R. Cash

“...it's five feet high and risin'”, was the tune we were humming in the winter of '16/'17. It wasn't too long after that we were cranking the cooler, sitting under the fan, drinking iced tea and singing the verses of “The Heat Is On”. 2017 proved to be a wet, wet winter and a hot, hot summer.

It didn't stop raining. Right on through June. Rain, rain, rain. Substantial snowfall in the mountains and heavy rainfall in the valley helped end the drought that California had suffered for over the past five years. Most cropland areas in Tehama County average 20-26 inches of rain annually. Rainfall at the Red Bluff Airport totaled about 28 inches over the duration of the rainy period from October 2016 through June 2017. January and February were the months with the heaviest rainfall with 6.80 and 5.51 inches falling, respectively. We saw the Sacramento River at “bankfull” and thank goodness the levees held. Generally, groundwater basins north of Red Bluff and east of the Sacramento River mostly recovered to pre-drought conditions. Groundwater increased at variable levels in areas south of Red Bluff and west of the Sacramento River, but are still lower than pre-drought conditions.

The summer of 2017 was HOT! Tehama County averaged a temperature of 98.8°F over the months of June, July, and August and had a record of 53 days of daytime temperatures over 100°F. Tehama County was fortunate to avoid the terrible fires that struck our state ranging from those in southern and central California to those in communities in the Sierra Nevada foothills.

The rain and heat had variable effects on the crops in Tehama County. Timing of rain can have negative and positive effects on crops. Orchard crops are more prone to fungal and bacterial infections in wet/cool weather later in the season as well as subjection to waterlogged soils, which could kill trees if saturation is prolonged. Livestock ranchers enjoyed the late rains as it improved and extended the winter grazing period. Although one may think that the hot summer would have had negative effects on crop production, the abundance of rain appeared to have minimized the hot weather effects. Overall, fruit and nut production increased in 2017; hay and other field crops varied slightly, up and down, with no substantial change in production; and the heat caused the yellow starthistle to bloom profusely resulting in a surplus in honey production.

Climate Data Source: National Oceanic and Atmospheric Administration/National Centers for Environmental Information. 2018. Red Bluff Municipal Airport (Station USW00024216). Data Types TAVG, TMAX, TMIN: 6-1-2017 to 10-15-2017. Retrieved May 3, 2017 from <https://www.ncdc.noaa.gov/cdo-web/faq>



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It is my pleasure to present the 2017 Tehama County Crop Report that is prepared pursuant to the provisions of Section 2279 of the California Food and Agricultural Code. This annual report provides a statistical description of Tehama County's agricultural production. All figures in the report represent gross returns only and do not reflect net income of producers.

The total gross value of Tehama County agricultural production in 2017 was \$381,714,400 which is a new county record and represents a \$46,462,000 increase from 2016 total values.

The top five highest value agricultural crops for Tehama County in 2017 were:

1. Walnuts - \$120,127,300
2. Almonds - \$53,340,800
3. Table Olives - \$39,273,200
4. Prunes - \$29,711,500
5. Beef Cattle - \$28,634,300

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 Heather Kelly for the report's overall coordination and production.

Respectfully Submitted,

Rick Gurrola

Rick Gurrola
Agricultural Commissioner

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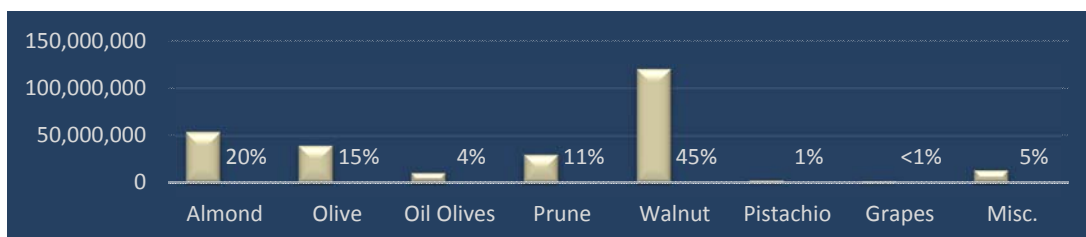


Courtesy of John Gehring

Fruit and Nut Crops

Crop	Year	Bearing Acres	Production/ Acre (tons)	Total Tons	Value/ Ton	Total Value
Almond (Meats)	2017	11,595	0.93	10,783	\$4,947	\$53,340,800
	2016	12,165	0.79	9,610	\$4,834	\$46,458,600
Olives, Table	2017	4,838	8.06	38,994	1,007	39,273,200
	2016	5,024	6.37	32,003	1,137	36,380,400
Olives, Oil	2017	3,565	4.85	17,290	599	10,358,600
	2016	3,615	3.09	11,170	481	5,367,900
Pistachio	2017	319	2.52	804	2,658	2,136,800
	2016	311	0.89	277	4,080	1,130,100
Prunes	2017	5,541	2.69	14,905	1,993	29,711,500
	2016	6,094	1.34	8,166	2,213	18,069,300
Walnuts	2017	24,687	1.99	49,127	2,445	120,127,300
	2016	25,559	2.30	58,786	1,785	104,926,000
Grapes	2017	172	4.06	698	1,633	1,139,800
	2016	191	3.51	670	1,494	1,001,200
Misc.**	2017					13,264,500
	2016					10,903,800
Total	2017					\$269,352,500
	2016					\$224,237,300

**Misc.: Almond Hulls, Apples, Apricots, Blueberries, Cherries, Figs, Mandarins, Nectarines, Oranges, Peaches, Pecans, Pears, Persimmons, Plums, Pomegranates, Strawberries, Walnuts (Black), & Walnut Shells.





Field Crops

Crop	Year	Harvested Acres	Production/Acre (tons)	Total Tons	Value/Ton	Total Value
Wheat	2017	3,505	1.86	6,519	\$171	\$1,113,400
	2016	3,887	2.87	11,156	146	\$1,634,100
Corn	2017	415	5.87	2,436	155	376,800
	2016	441	5.30	2,337	148	346,100
Alfalfa Hay	2017	1,626	5.67	9,219	163	1,503,500
	2016	1,801	5.99	10,788	128	1,383,700
Grain Hay (Oats)	2017	3,650	3.29	12,009	103	1,234,900
	2016	3,892	3.69	14,361	134	1,927,100
Hay (Other)	2017	2,195	1.63	3,578	153	548,700
	2016	2,346	1.57	3,683	100	368,700
Silage (Corn)	2017	589	26.87	15,826	33	524,300
	2016	633	26.30	16,648	41	685,100
Misc.*	2017					2,286,300
	2016					2,273,100
Total	2017					\$7,587,900
	2016					\$8,617,900

*Misc: Barley, Beans, Cotton, Rice, Rye Grass, Safflower, Sudangrass Hay, Sorghum, Triticale, Wild Rice, Lavender



Seed Crops

	Year	Harvested Acres	Total Value
Misc.*	2017	442	\$426,000
	2016	386	\$442,400

*Sunflower and Cotton (Certified and Non-certified Seed)

Vegetable Crops

	Year	Harvested Acres	Total Value
Misc. Vegetables*	2017	217	\$499,100
	2016	205	\$523,100

*Direct sales, Farmer's Markets, and roadside stands

Nursery Products

	Year	Total Value
Nursery*	2017	\$23,292,700
	2016	\$18,185,500

*Includes Bamboo, Berry & Bedding Plants



Courtesy of John Gehring

Livestock and Poultry

	Year	Number of Head Sold	Total Live Weight (cwt)	Value/cwt	Total Value
Calves	2017	5,318	29,198	\$147	\$4,292,100
	2016	5,406	29,679	\$138	\$4,095,700
Feeders	2017	12,410	86,867	142	12,335,100
	2016	12,614	88,298	153	13,509,600
Feedlot	2017	20,908	41,816	162	6,774,200
	2016	21,200	42,400	161	6,826,400
Registered Stock	2017	292			1,878,000
	2016*				
Cows & Bulls	2017	3,392	44,732	75	3,354,900
	2016	3,392	44,732	79	3,533,800
Dairy Cattle	2017				1,640,200
	2016				1,998,800**
Meat Goats	2017	2,500	2,500	243	608,200
	2016*				
Misc. Livestock***	2017				3,577,200
	2016				3,032,300
Total	2017				\$34,459,900
	2016				\$33,772,400**

*New categories added in 2017

**Updated values to reflect correction.

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



Livestock and Poultry Products

	Year	Production (cwt)	Value/cwt	Total Value
Milk (Market)	2017	504,642	\$17.53	\$8,846,400
	2016	602,603	15.75	9,491,000
Milk (Mfg.)	2017	2,333	18.43	43,000
	2016	3,125	19.84	62,000
Animal Fiber*	2017			31,000
	2016			68,500
Eggs	2017			2,612,600
	2016			2,151,400
Total	2017			\$11,533,000
	2016			\$11,772,900

* Animal Fiber: Includes Wool & Alpaca Fiber

Pasture and Range

	Year	Acres	Value/Acre	Total Value
Irrigated Pasture	2017	18,600	\$225	\$4,185,000
	2016	19,000	\$225	\$4,275,000
Range	2017	917,700	12.50	11,471,300
	2016	918,400	12.50	11,480,000
Stubble*	2017	4,415	8.75	38,600
	2016	6,152	8.75	53,800
Total	2017			\$15,694,900
	2016			\$15,808,800

*Includes Rice, Barley & Wheat



Courtesy of John Gehring

Apiary Products and Services

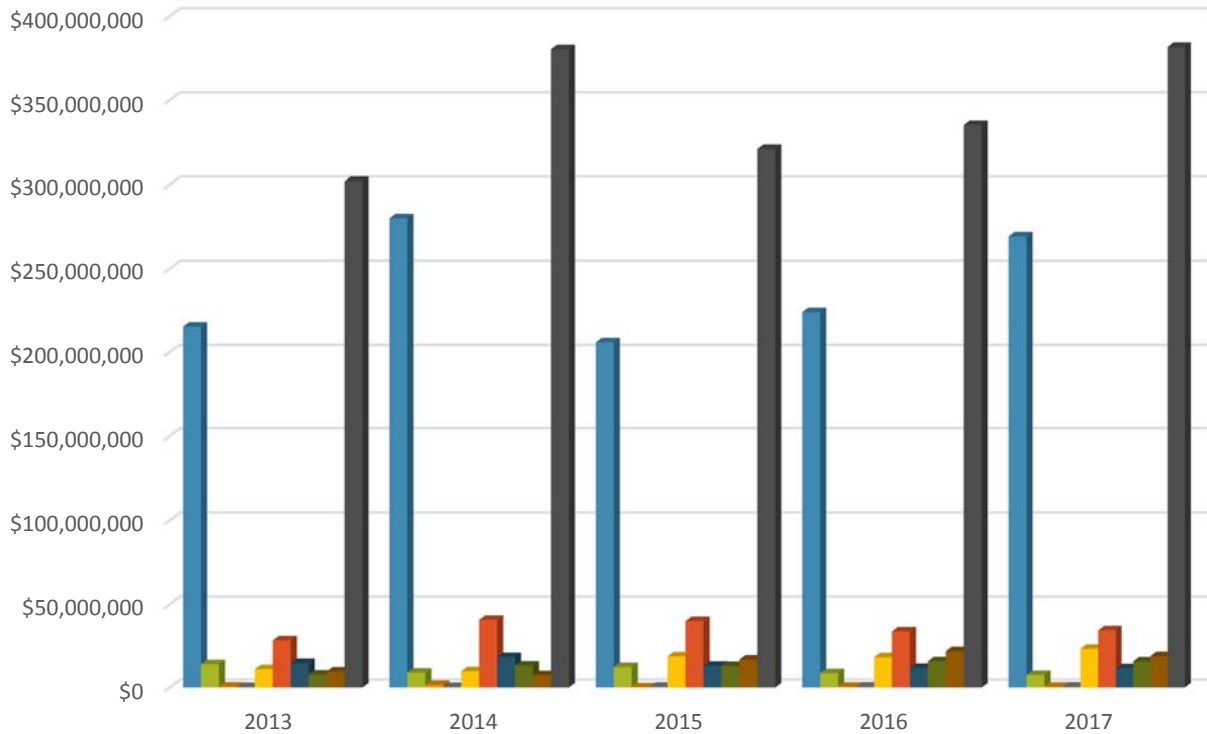
	Year	Production (colonies)	Value/Colony	Total Value
Pollination	2017	24,777	\$177	\$4,385,500
	2016	25,925	168	4,355,400
Apiary Products*	2017			14,482,900
	2016			17,536,700
Total	2017			\$18,868,400
	2016			\$21,892,100

*Honey, Queens, Wax, & Package Bees

Timber Products

	Year	Harvested Board Feet	Total Value
	2017	45,786,000	\$7,919,700
	2016	57,707,000	\$9,732,800

Five-Year Trend



Bars correspond to commodities as ordered in table below.

Commodity	2013	2014	2015	2016	2017	2016-2017 % difference
Fruit & Nut Crops	\$215,608,600	\$280,050,700	\$206,259,000	\$224,237,300	\$269,352,500	20%
Field Crops	14,027,800	8,923,300	12,300,200	8,617,900	7,587,900	-12%
Seed Crops	489,100	1,539,700	175,000	442,400	426,000	-4%
Vegetable Crops	350,000	350,000	481,000	523,100	499,100	-5%
Nursery Products	11,083,000	9,779,100	18,766,600	18,185,500	23,292,700	28%
Livestock & Poultry	28,353,000	40,694,800	40,010,900	33,772,400	34,459,900	2%
Livestock & Poultry Products	14,700,400	18,347,500	13,133,900	11,772,900	11,533,000	-2%
Pasture & Range	7,824,800	13,223,300	13,027,600	15,808,800	15,694,900	-1%
Apiary Products & Services	9,570,700	7,431,900	16,851,200	21,892,100	18,868,400	-14%
Total	\$302,007,400	\$380,340,300	\$321,005,400	\$335,252,400	\$381,714,400	14%

A Glimpse into the Past

Commodity	1967 Total Sold	2017 Total Sold	1967 Value	2017 Value
Almonds	872 tons (1,162 acres)	10,783 tons (11,595 acres)	\$534,500	\$53,340,800
Olives (Table)	1,175 tons (4,580 acres)	38,994 tons (4,838 acres)	\$340,800	\$39,273,200
Olives (Oil)	*	17,290 tons (3,565 acres)	*	\$10,358,600
Prunes	10,200 tons (4,741 acres)	14,905 tons (5,541 acres)	\$2,774,000	\$29,711,500
Walnuts	1,342 tons (3,851 acres)	49,127 tons (24,687 acres)	\$718,000	\$120,127,300
Grapes	*	698 tons (172 acres)	*	\$1,139,800
Pistachio	*	804 tons (319 acres)	*	\$2,136,800
Wheat	2,220 tons (1,530 acres)	6,519 tons (3,505 acres)	\$99,900	\$1,113,400
Corn	2,390 tons (840 acres)	2,436 tons (415 acres)	\$110,000	\$376,800
Alfalfa	42,800 tons (7,500 acres)	9,219 tons (1,626 acres)	\$1,027,000	\$1,503,500
Misc. Truck Crops (Vegetable Crops)			\$24,900	\$499,100
Other Hay	10,500 tons (8,060 acres)	3,578 tons (2,195 acres)	\$165,000	\$548,700
Sugar Beets	20,700 tons (1,045 acres)	*	\$177,000	*
Corn Silage	1,200 (120 acres)	15,826 tons (589 acres)	\$12,000	\$524,300
Ladino Clover Seed	397,000 lbs (1,265 acres)	*	\$248,000	*
Other Seed (Sudan, Alfalfa)	4,068,000 lbs (3,065 acres)	*	\$486,300	*
Nursery Stock (Berry & Bedding Plants)			\$703,000	\$23,292,700
Dairy Cattle	4,990 head		\$499,000	\$1,640,200
Beef Cattle	40,100 head	42,320 head	\$4,107,000	\$28,634,300
Dairy Products	342,000 cwt.		\$1,570,000	\$8,889,400
Sheep & Lambs	77,400 head	2,000 head	\$1,434,000	\$328,900
Hogs	4,360 head	1,000 head	\$158,000	\$57,800
Turkeys	34,300 head	*	\$107,000	*
Year Total**			\$15,295,400	\$381,714,400

* No correlating values between 1966 and 2017

** 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

During 2017, 125 shipments of agricultural products were inspected for compliance with quarantine requirements, which resulted in no live detections. These included 68 border station hold notices (008), 22 glassy-winged sharpshooter interior hold notices (blue tags), and 35 truckloads of bee hives.



Small Hive Beetle

Pest Prevention

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. New for 2017, Asian citrus psyllid traps were deployed throughout the county during a winter trapping survey.



Glassy-winged Sharpshooter
126 traps deployed
No detections



Light Brown Apple Moth
70 traps deployed
No detections



European Grapevine Moth
15 traps deployed
No detections



Asian Citrus Psyllid
94 traps deployed
No detections



Mediterranean Fruit Fly
45 traps deployed
No detections



Oriental Fruit Fly
13 traps deployed
No detections



Melon Fly
13 traps deployed
No detections



Japanese Beetle
29 traps deployed
No detections



Gypsy Moth
216 traps deployed
No detections

Sustainable Agricultural Report

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 2017, two noxious weeds were under eradication and six species were under limited control treatment.

Eradication Species

Dalmatian Toad-Flax



Spotted Knapweed



Limited-Control Species

Whitehorse Nettle



Perennial Peppergrass



Oblong Spurge



Heart-podded Hoarygrass



Courtesy Joseph DiTomaso

Skeleton Weed



Canada Thistle



Courtesy Joseph DiTomaso

Organic Farming and Direct Marketing

Organic Farming

Twenty-seven organic growers registered in Tehama County in 2017. Organically farmed land totaled 83,939 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 34 Certified Producer Certificates in 2017.

2017 Certified Farmer's Markets

Red Bluff Chamber of Commerce Certified Farmer's Market

Washington and Pine Streets, Downtown Red Bluff

June-August

Wednesdays, 5-8 P.M.

Corning Thursday Night Farmer's Market

Northside Park, 6th and Colusa Street, Corning

June-August

Thursdays, 5-7:30 P.M.

Saturday Market by the River

100 Main Street, Red Bluff, California

Year-Round

Saturdays 9 A.M. – 1 P.M.

Lake California Certified Farmer's Market

Lake California Community Center

May – September

Sundays, 8 A.M. to 12 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: 2,237

Products Exported to Other Countries: Almonds, Beans for Consumption, Figs, Lumber, Pecans, Strawberry Plants, Walnuts, Walnut Trees & Walnut Shells

Importing Countries:



State Phytosanitary Certificates Issued: 22

Products Exported to Other States: Strawberry Plants, Bamboo, Olive Trees

Importing States: Florida, North Carolina, Oregon



Courtesy of Tehama County Farm Bureau

Tehama County Farm Bureau—100 years

By Kari Dodd, Tehama County Farm Bureau Manager

Tehama County Farm Bureau (TCFB), is a non-profit, grassroots organization of farmers and ranchers. Formed in 1917 and formally established in 1918, TCFB's purpose was to protect and promote agricultural interests not only in Tehama County, but throughout the state of California, and to find solutions to the problems of the farm, farm home, and rural community. The basic structure of Farm Bureau remains intact as it was founded 100 years ago: a grassroots organization where policy making begins at the county level. Farm Bureau is organized on a county, state and national basis—in that order. TCFB is part of California's largest farm organization, the California Farm Bureau Federation (CFBF), which is comprised of 53 county farm bureaus representing 53,000 members in 56 counties.

The organization is dedicated to representing the county agricultural industry with the goal of affirming and maintaining the vitality and importance of agriculture and with a vision to ensure that the agricultural industry remains both productive and prosperous while providing environmentally sustainable and consumer friendly commodities. As an organization, not only does it want to maintain a continuing and plentiful supply of clean water, air and land, but also sustain a healthy environment for bountiful crops and open space for the enjoyment of all people in our county. All of which is accomplished through advocacy, education, ongoing outreach, and economic services and products for those involved in agricultural production.

The continued urbanization of California brought a sobering realization to many farmers: many people had no idea where their food came from or what was necessary to bring that food to their tables. Tehama County Farm Bureau is proud to work in cooperation with many supporting organizations and county departments to bring agriculture education to the community by providing agriculture education events and field trips. Classroom visits are also a frequent occurrence. Farm Bureau directors and members volunteer their time to read books, make projects and share their agricultural story with students.

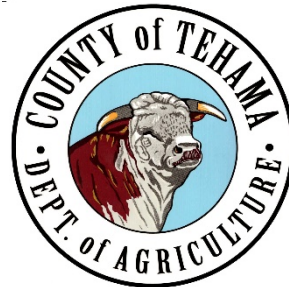
Not only does TCFB host their own series of annual events, they are also engaged with the community. TCFB staff and members serve on several countywide committees, participate at many events and show their support to those in agriculture. Supporting the 4-H and FFA programs in our county is also a priority. Encouraging and supporting our youth and the future leaders of the agriculture industry is of great importance. Each year TCFB also rewards those who are pursuing higher education in the field of agriculture in the form of scholarships.

Having a strong relationship between agriculturalists, county officials, policy makers and the community is of the utmost importance. Tehama County Farm Bureau is actively advocating on behalf of their members and those in agriculture to promote and protect our rural heritage and way of life.

*Tehama County
Department of Agriculture
would like to thank all the contributors to the
2017 Crop Report.*



*Thank You!
Your support is much appreciated.*



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