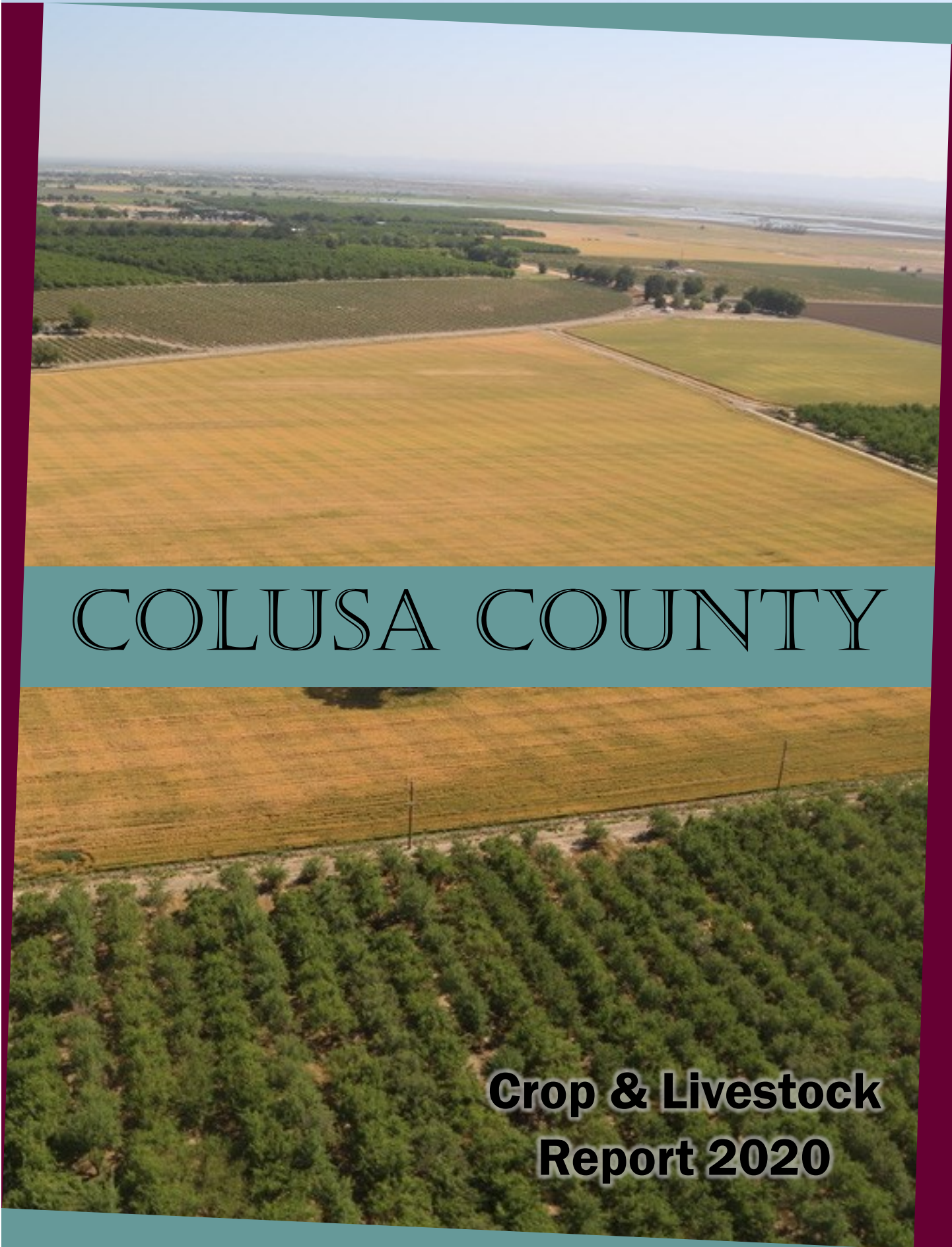




COLUSA COUNTY

**Crop & Livestock
Report 2020**

Mission Statement

Our mission is to promote, protect and enhance agriculture and the environment while sustaining public health, safety and welfare for all the citizens of Colusa County and to provide consumer marketplace protection through the fair and equitable enforcement of laws and regulations.

We fulfill our mission through the following programs: Pest Detection, Pest Management, Pest Exclusion, Pesticide Use Enforcement, Seed Inspection, Nursery Inspection, Fruit & Vegetable Standardization, Egg Quality Control, Weights & Measures Enforcement and other non-regulatory programs.

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Photograph provided by Mitchell Yerxa

COLUSA COUNTY AGRICULTURE DEPARTMENT

M. Anastacia Allen ~ Agriculture Commissioner / Sealer of Weights & Measures
Ryan Jennings ~Assistant Agriculture Commissioner / Sealer of Weights & Measures

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Colusa, CA 95932

www.countyofcolusa.com/80/Agricultural-Commissioner

530-458-0580

530-458-5000 (Fax)

Email: ccag@countyofcolusa.com

August 25, 2021

Karen Ross, Secretary, California Department of Food & Agriculture

And

The Honorable Board of Supervisors of Colusa County

Jose Merced Corona, District I

Daurice Kalfsbeek Smith, District II

Kent S. Boes, District III

Gary J. Evans, District IV – Chair

Denise J. Carter, District V

I am honored to present the 2020 Crop and Livestock Report for Colusa County. This report is prepared pursuant to Section 2279 of the California Food and Agricultural Code and is a summary of the estimated acreage, yield and gross value of the agricultural production in Colusa County. The gross value of Colusa County's agricultural production in 2020 was \$926,812,000. This is a decrease of 0.7% in comparison to the estimated value in 2019.

Though estimated values move slightly from year to year, the agricultural industry in Colusa County remains strong. Historically Colusa has been the top producer of Rice in the Sacramento Valley, however our top crop for 2020 was Almonds making up 33% of our total crop value. Rice comes in second with a value that is 31% the total and while walnuts comes in at third with 9%.

I would like to express my gratitude and thanks to all of the growers, individuals and industry stakeholders who have assisted us by providing the data necessary to compile this report. I would also like to thank Colusa County Agricultural Biologist Kristen Ottenwalter, along with everyone else from our department who have spent many hours compiling, analyzing and formatting this report so that I may present it to the State, the Board of Supervisors and the community of Colusa County.

Respectfully submitted,



M. Anastacia Allen
Agricultural Commissioner



AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

Greg Hinton

Steve Hajik

ASSISTANT AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

Anastacia Allen

AGRICULTURAL & STANDARDS BIOLOGIST III

Kristen Ottenwalter

Ryan Jennings

AGRICULTURAL & STANDARDS BIOLOGIST II

Tyler Martin

Lyndee Hyatt

AGRICULTURAL & STANDARDS BIOLOGIST I

Jason Deaner

Frank Bowen

SUPPORT STAFF

Maisha Bullock—Fiscal Administrative Officer

Lee Ann Price—Accounting Technician

Dawn Brown—Account Clerk III

Anastasia Selover—Office Assistant III

AGRICULTURAL AIDE

Phil Spivak

COUNTY BOARD OF SUPERVISORS

J. Merced Corona—District I

John D. Loudon—District II

Kent S. Boes—District III

Gary J. Evans—District IV

Denise J. Carter—District V

Apiary Products

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
HONEY	2020	60,700	Lb.	5.00	\$304,000
	2019	115,700	Lb.	4.00	463,000
PACKAGE BEES ¹	2020	3,000	Lb.	115.00	345,000
	2019	8,300	Lb.	110.00	913,000
QUEENS	2020	40,000	Each	30.00	1,200,000
	2019	33,559	Each	29.00	973,000
POLLINATION ALMONDS	2020	137,208	Colony	200.00	27,442,000
	2019	137,506	Colony	210.00	28,876,000
MISCELLANEOUS ²	2020	-----		-----	810,000
	2019	-----		-----	810,000
TOTAL	2020				\$30,101,000
	2019				32,035,000

¹ Includes 3 pounds bulk bees and a queen.

² Pollination colonies include onion, prune, sunflower and vine seed crops pollinated in Colusa County.

Organic Production

Gross Value: \$7,000,000
24 Colusa County Producers
10 Colusa County Handlers

Includes almonds, cattle/beef, olives, rice, walnuts, wheat and various seed row crops.

The organic industry is constantly evolving to support a healthy and diverse environment with the availability of certified organic products. Government agencies, accredited certifiers and organic operators continuously work together to improve the certification process. With development of new ideas and more efficient practices, all involved strive to ensure preeminent organic production and the best ways to monitor and enforce these standards.

Fruit and Vegetable Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
TOMATOES-PROCESSING	2020	12,700	51.21	650,367	Ton	\$77.00	\$50,078,000
	2019	12,330	51.00	628,830	Ton	72.00	45,276,000
MISCELLANEOUS ¹	2020	-----	-----	-----	----	-----	24,000,000
	2019	-----	-----	-----	----	-----	24,000,000
TOTAL	2020	12,700					\$74,078,000
	2019	12,330					69,276,000

¹ Includes bean, beet, cabbage, cantaloupe, carrot, corn, cucumber, eggplant, garlic, melon, mushroom, okra, onion, pea, pepper, potato, pumpkin, radish, spinach, squash, sweet corn, tomato, turnip and watermelon.

Fruit and Nut Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
ALMONDS - MEATS	2020	68,604	1.15	78,895	Ton	\$3,900.00	\$307,689,000
	2019	68,753	0.80	55,002	Ton	5,500.00	302,513,000
ALMONDS - HULL	2020	-----	-----	68,604	Ton	89.50	6,140,000
	2019	-----	-----	68,753	Ton	85.00	5,844,000
GRAPES, WINE	2020	747	6.03	4,504	Ton	684.00	3,081,000
	2019	1,888	8.86	16,728	Ton	805.00	13,466,000
OLIVES	2020	294	4.12	1,211	Ton	747.00	905,000
	2019	395	3.60	1,422	Ton	728.00	1,035,000
PRUNES	2020	580	2.06	1,195	Ton	1,777.00	2,123,000
	2019	762	2.35	1,791	Ton	2,150.00	3,850,000
WALNUTS - ENGLISH	2020	23,886	2.55	60,909	Ton	1,290.00	78,573,000
	2019	24,000	1.70	40,800	Ton	2,100.00	85,680,000
MISCELLANEOUS	2020 ²		-----	-----	----	-----	25,000,000
	2019 ¹		-----	-----	----	-----	23,000,000
TOTAL	2020	93,817					\$423,511,000
	2019	95,403					435,388,000

¹ Includes apples, apricot, aprium, cherry, citrus, fig, grapefruit, kiwi, kumquat, nectarine, peach, pear, pecan, persimmon, pistachio, plum, pluot and pomegranate

² Includes apple, apricot, asian pear, cherry, kiwi, nectarine, peach, pear, pecan, persimmon, pistachio, plum, pomegranate and stone fruit.

Field Crops

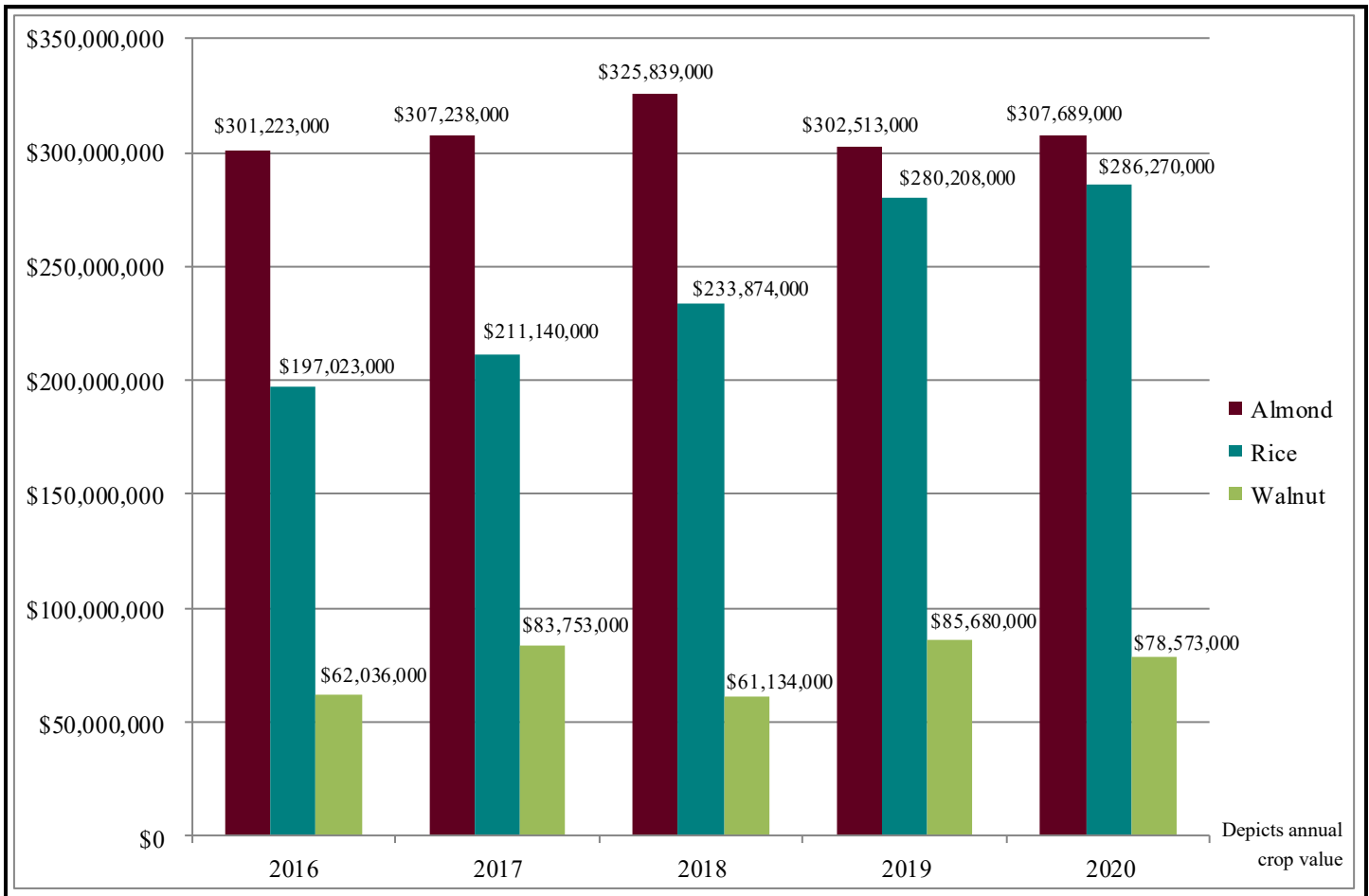
CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
BEANS - DRY	2020	3,094	1.03	3,187	Ton	990.00	\$3,155,000
	2019	4,151	1.15	4,774	Ton	1,000.00	4,774,000
CORN - GRAIN	2020	2,835	6.74	19,108	Ton	173.30	3,311,000
	2019	3,775	5.01	18,913	Ton	152.50	2,884,000
HAY - ALFALFA	2020	6,918	7.21	49,879	Ton	201.40	10,046,000
	2019	7,424	7.50	55,680	Ton	202.00	11,247,000
HAY - GRAIN ¹	2020	2,437	3.00	7,311	Ton	175.00	1,279,000
	2019	2,935	3.00	8,805	Ton	175.00	1,541,000
PASTURE - IRRIGATED	2020	1,200	-----	-----	Acre		210,000
	2019	1,100	-----	-----	Acre		206,000
PASTURE - DRYLAND	2020	180,000	-----	-----	Acre		4,140,000
	2019	180,000	-----	-----	Acre		4,140,000
RICE	2020	125,504	5.28	662,661	Ton	432.00	286,270,000
	2019	142,256	4.51	641,575	Ton	437.50	280,689,000
SAFFLOWER	2020	523	0.60	314	Ton	415.00	130,000
	2019	1,037	1.05	1,089	Ton	415.00	452,000
WHEAT	2020	5,500	2.88	15,840	Ton	185.00	2,930,000
	2019	9,224	3.02	27,856	Ton	182.50	5,084,000
MISCELLANEOUS	2020 ³	-----	-----	-----	----	-----	2,040,000
	2019 ²	-----	-----	-----	----	-----	1,200,000
TOTAL	2020	328,011					\$313,511,000
	2019	351,902					312,217,000

¹ Includes oat, rye grass, sudangrass, wheat and volunteer grain hay.

² Includes alfalfa stubble, barley, beans, rice & wheat straw, oats, organic rice and triticale.

³ Includes alfalfa stubble, barley, industrial hemp, grain, oat, rye, rice & wheat straw, sorghum, milo, triticale and vetch.

Top 3 Commodity Trends



Certified Seed Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
RICE	2020	9,723	8,782	85,387,386	Lb.	0.20	\$17,077,000
	2019	10,624	9,050	96,147,200	Lb.	0.18	17,306,000
SUNFLOWER	2020	5,646	1,550	8,751,300	Lb.	1.50	13,127,000
	2019	6,311	1,130	7,131,430	Lb.	1.44	10,269,000
WHEAT	2020	183	5,000	915,000	Lb.	0.13	119,000
	2019	311	5,702	1,773,322	Lb.	0.09	160,000
MISCELLANEOUS	2020	598	-----	-----	Lb.	-----	900,000
	2019 ¹	143	-----	-----	Lb.	-----	825,000
TOTAL ¹	2020	16,150					\$31,223,000
	2019	17,389					28,560,000

¹ Asparagus, bean (chickpea), triticale

Non-Certified Seed Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
CUCUMBER	2020	645	335	216,075	Lb.	8.00	\$1,729,000
	2019	1,342	334	448,228	Lb.	8.80	3,944,000
MELON	2020	200	432	86,400	Lb.	4.08	353,000
	2019	110	432	47,520	Lb.	3.50	166,000
ONION	2020	135	195	26,325	Lb.	50.00	1,316,000
	2019	87	175	15,225	Lb.	50.00	761,000
SUNFLOWER	2020	604	1700	1,026,800	Lb.	0.90	924,000
	2019	1,490	1725	2,570,250	Lb.	0.89	2,288,000
SQUASH	2020	772	450	347,400	Lb.	6.60	2,293,000
	2019	733	542	397,286	Lb.	6.35	2,523,000
WATERMELON	2020	1,296	275	356,400	Lb.	6.25	2,228,000
	2019	1,670	270	450,900	Lb.	6.38	2,877,000
MISCELLANEOUS	2020 ³	-----	-----	-----	----	-----	14,900,000
	2019 ²	-----	-----	-----	----	-----	14,943,000
TOTAL	2020	3,048					\$23,743,000
	2019	3,942					27,502,000

² Asparagus, barley, basil, bean, beet, broccoli, cabbage, cantaloupe, carrot, corn, collard, cotton, grass, herb, hybrid carrot, hybrid cucumber, hybrid squash, hybrid watermelon, lettuce, mint, mustard, pea, pepper, pumpkin, radish & wheat.

³ Asparagus, barley, bean, broccoli, cantaloupe, cabbage, cilantro, collard, corn, cotton, grass, garbanzo beans, herb/spices, hybrid cucumber, hybrid pepper, hybrid squash, hybrid watermelon, pepper, pea, pumpkin, safflower, tomato, triticale and vegetable.

Livestock

ITEMS	YEAR	NUMBER OF HEAD	LIVE WEIGHT	UNIT	VALUE PER UNIT	TOTAL
CATTLE AND CALVES	2020	16,900	165,620	Cwt.	\$127.25	\$21,075,000
	2019	16,900	135,200	Cwt.	133.00	17,982,000
SHEEP AND LAMBS	2020	3,800	4,800	Cwt.	150.00	720,000
	2019	3,900	4,875	Cwt.	140.00	683,000
MISCELLANEOUS ¹	2020	-----	-----	----	-----	1,800,000
	2019	-----	-----	----	-----	1,780,000
TOTAL	2020					\$23,595,000
	2019					20,445,000

¹ Includes aquaculture, breeding stock, chickens, goats, hogs and turkeys.

Photograph provided by Ronda Smith

Livestock Products

CROP	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
MISCELLANEOUS	2020	-----	-----	-----	\$50,000
	2019	-----	-----	-----	50,000
TOTAL	2020				\$50,000
	2019				50,000

Ten Leading Farm Commodities

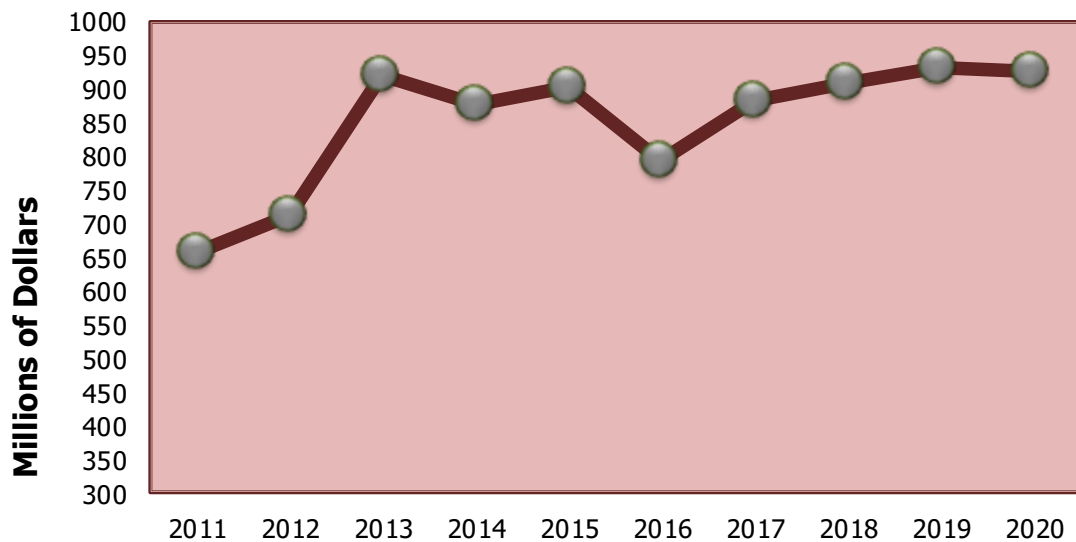
CROP	2020	CROP	2019
ALMONDS - MEATS	\$307,689,000	ALMONDS - MEATS	\$302,513,000
RICE	\$286,270,000	RICE	\$280,208,000
WALNUTS - ENGLISH	\$78,573,000	WALNUTS - ENGLISH	\$85,680,000
TOMATOES - PROCESSING	\$50,078,000	TOMATOES - PROCESSING	\$45,276,000
POLLINATION - ALMONDS	\$27,442,000	POLLINATION - ALMONDS	\$28,876,000
MISCELLANEOUS - FRUIT & NUT CROPS	\$25,000,000	MISCELLANEOUS - FRUIT & VEGETABLE CROPS	\$24,000,000
MISCELLANEOUS - FRUIT & VEGETABLE CROPS	\$24,000,000	MISCELLANEOUS - FRUIT & NUT CROPS	\$23,000,000
CATTLE & CALVES	\$21,075,000	CATTLE & CALVES	\$17,982,000
CERTIFIED RICE SEED	\$17,077,000	CERTIFIED RICE SEED	\$17,306,000
MISCELLANEOUS NON-CERTIFIED SEED CROPS	\$14,900,000	MISCELLANEOUS NON-CERTIFIED SEED CROPS	\$14,943,000



Ten Year Comparison

2020	GRAND TOTAL	\$926,812,000
2019	GRAND TOTAL	\$932,963,000
2018	GRAND TOTAL	\$908,154,000
2017	GRAND TOTAL	\$883,580,000
2016	GRAND TOTAL	\$791,664,000
2015	GRAND TOTAL	\$901,764,000
2014	GRAND TOTAL	\$876,347,000
2013	GRAND TOTAL	\$920,110,930
2012	GRAND TOTAL	\$711,768,100
2011	GRAND TOTAL	\$657,735,000

Annual Crop Value Trend



Colusa County Exported Commodities and Destinations

Exported Commodities



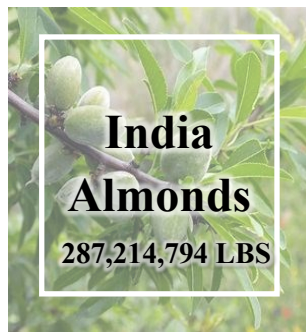
Almonds	Cauliflower*	Kale*	Pepper*	Watermelon*
Amaranth*	Celery*	Leek*	Pumpkin*	Wheat
Asparagus*	Chick Pea*	Lentil*	Quinoa	Wild Rice
Basil*	Chives*	Lettuce*	Radish*	
Barley	Coriander*	Melon*	Rice	
Bean	Corn*	Mizuna*	Squash*	
Beet*	Cucumber*	Mustard*	Sunflower*	
Black Eyed Pea	Daikon Radish*	Okra*	Swiss Chard*	
Broccoli*	Dill*	Onion*	Tomato*	
Cabbage*	Eggplant*	Oregano*	Turnip*	
Carrot*	Gourd*	Parsley*	Upland Cress*	
Catnip*	Greens	Pea*	Walnuts	* Denotes seed exported

Exported Countries



Afghanistan	Czech Republic	Israel	Morocco	Saudi Arabia
Argentina	Denmark	Italy	Myanmar	Singapore
Australia	Dominican Republic	Japan	Netherlands	South Africa
Austria	El Salvador	Jordan	New Zealand	Spain
Bahrain	Estonia	Kazakhstan	Nicaragua	Sweden
Belarus	Finland	Lao People's Democratic Republic	Norway	Switzerland
Belgium	France	Latvia	Pakistan	Taiwan
Brazil	Germany	Lithuania	Palau	Turkey
Canada	Ecuador	Malaysia	Panama	Ukraine
Chile	Egypt	Malta	Peru	United Arab Emirates
China	Greece	Mexico	Poland	United Kingdom
Colombia	Guatemala	Monaco	Qatar	Venezuela
Costa Rica	Hong Kong	Mongolia	Republic of Korea	Viet Nam
Cyprus	India		Russian Federation	

Top 6 Export Countries and the top Commodity



Pest Detection

The primary responsibility of the Pest Detection Program is the early detection and prompt eradication of the serious agricultural pests in California. The Colusa County Department of Agriculture monitored for the following pests during the 2020 Trapping season.

INSECT	TRAP TYPE	SEASON	HOST	TOTAL TRAPS	SERVICINGS
Mediterranean Fruit Fly	Jackson Trap	May - Oct	Fruit Tree	31	250
Oriental Fruit Fly	Jackson Trap	May - Oct	Fruit Tree	12	118
Gypsy Moth	Delta Trap	June - Sept	Shade Tree	50	136
Melon Fly	Jackson Trap	June - Sept	Garden	12	96
Japanese Beetle	JB Trap	June - Sept	Rose/Turf	12	69
Light Brown Apple Moth	Jackson Trap	May - Oct	Fruit Tree	27	275
Glassy Winged Sharp Shooter	Yellow Panel Trap	May - Oct	Ornamental	27	297
Asian Citrus Psyllid	Yellow Panel Trap	Nov - Apr	Fruit Tree	40	240
European Grapevine Moth	Delta Trap	Mar - Aug	Grapes	69	759



Melon Fly



Japanese Beetle



European Grapevine Mouth

Department of Weights and Measures

The Colusa County Department of Weights and Measures works behind the scenes to protect both buyers and sellers from malfunctioning devices and unfair marketing practices. Ensuring fair and honest competition for industry and accurate value comparison for consumers are the primary functions carried out by this Department. Consumers are able to shop with confidence because of the inspections, investigations and certifications conducted by Weights and Measures inspectors.

The Department of Weights and Measures also investigates any citizen complaint regarding Price Verification and Quantity Control. This is to ensure that the citizens of Colusa County are purchasing products as advertised anywhere commerce is conducted.



Weighing and Measuring Devices

All weighing and measuring devices used in commercial transactions are tested for accuracy on an annual basis by department inspectors.

Scales annually tested and certified include: Computing scales, counter scales, dormant and portable scales, hopper scales, livestock scales, analytical scales, hanging scales and vehicle scales.

Total number scales certified in 2020: 216

Petroleum Products

Inspectors routinely check for labeling on motor fuel dispensers and underground fuel storage tanks, and price signs are inspected for accuracy, size and legibility.

Meters tested and certified include: Electric submeters, liquid propane gas meters, fuel meters, vapor meters, vehicle meters and water meters.

Total number of meters certified in 2020: 1,082

2020 Work Performance Statistics

In Field Inspections

Pesticide Use Enforcement Inspections are conducted in field, at fumigation sites or evaluations of training records of businesses, growers, and operators.

Completed PUE inspections: 1216

Equipment inspections are conducted upon request from the owner or operator.

Certificates of cleanliness issued (includes harvesters, bankouts, bins, seed cleaners, augers, headers): 95

Weed Free inspections are conducted upon request for fields which apply for certification of weed free forage, hay, straw and/or mulch.

Weed Free inspections: 130

A Phytosanitary Field Inspection of seed is completed after an application is submitted to the state. The field is walked and inspected for a variety of diseases.

Field walk inspections: 413

Pesticide Reporting and Use

Restricted Material Permits issued	559
Operator ID Permits issued	44
Pesticide Notice of Intents submitted	3,773
Pesticide Use Reports submitted	17,463
Sites permitted	5518

Colusa County Registrations

Pest Control Advisors	116
Pest Control Businesses	69
Pest Control Dealers	4
Pest Control Pilots	65
Farm Labor Contractors	36
Structural Pest Control Operators	43

Seed Samples

Seed samples are retrieved using required protocol when requested by a grower or seed company. The Agricultural Office retains samples for 3 years and will send a sample to the state lab if directed to do so by the grower. The samples help determine seed viability/germ and clean out.

Seed samples taken in 2020: 110

Federal Phytosanitary Certificates

Federal Phytosanitary certificates are used to help facilitate shipment of agricultural products to other countries.

Products are inspected for cleanliness and a certificate is written based on each individual shipment.

Federal Phytosanitary Certificates issued 2020: 3961



Photograph provided by Mitchell Yerxa



Photography provided by Mitchell Yerxa

Crop Report Data

As required by the California Food and Agricultural Code Section 2279, it is the Agricultural Commissioner's responsibility to compile data for the annual crop report consisting of the acreage, production and crop values of the commodities produced in Colusa County. All information is considered confidential and is only used in compiling production totals.

We would like to thank you for your continued participation in this process. For your copy of the 2020 crop report please visit www.countyofcolusa.org or visit the Agricultural Commissioner's office at 100 Sunrise Blvd. Suite F Colusa, California.

Thank you for supporting Colusa County Agriculture!



Photography provided by Mitchell Yerxa

County of Colusa
Agricultural Commissioner
Sealer of Weights and Measures
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Colusa, CA 95932