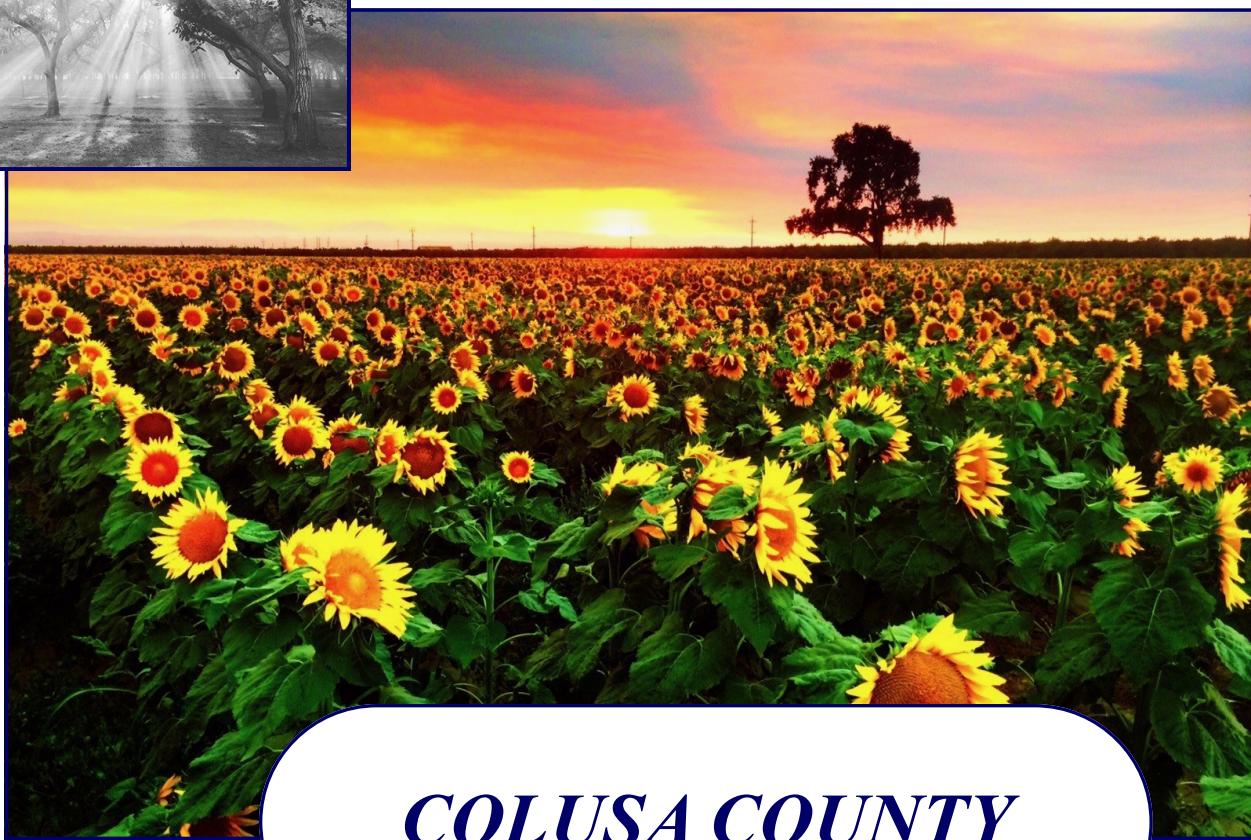




COLUSA COUNTY

Crop & Livestock Report 2021

All photography generously provided by Mitchell Yerxa



COLUSA COUNTY

CROP REPORT 2021

Mission Statement

The mission of the Agricultural Commissioner is to promote, protect and enhance agriculture and the environment while sustaining public health, safety and welfare for all the citizens of Colusa County, further it is our mission to provide consumer marketplace protection through the fair and equitable enforcement of laws and regulations found within the Food and Agriculture code, Business and Professions code and the California Code of Regulations.

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

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A large photograph on the right side of the table of contents shows an aerial view of agricultural fields at sunset. The fields are divided into various sections, some of which are planted with crops. The sky is a mix of orange and blue, and the sun is low on the horizon.



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

September 13, 2022

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 2021 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 2021 was \$827,928,000. This is a decrease of 12% in comparison to the estimated value in 2020.

Colusa County's Agricultural Industry faced another year of drought during 2021, which significantly influenced the acres of planted rice. For the first time in decades, rice acreage has dropped below 100,000 acres. Fallowing fields when water allocations are curtailed, not only affects rice, but also annual row and field crops. These reductions along with market price fluctuations, resulted in a \$98,884,000 loss for 2021 compared to 2020. In 2021, rice reclaimed the County's Top Crop position making up 33% of the total crop value, with Almonds making up 26% and Walnuts coming in at 10%.

I would like to express my gratitude and appreciation to all of the growers, individuals and industry stakeholders who have assisted us by providing the data necessary to compile this report. Once again, I would 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,

A handwritten signature in black ink, appearing to read "M. Anastacia Allen".

M. Anastacia Allen
Agricultural Commissioner

2021 Personnel

AGRICULTURAL COMMISSIONER SEALER OF WEIGHTS AND MEASURES

Anastacia Allen

ASSISTANT AGRICULTURAL COMMISSIONER SEALER OF WEIGHTS AND MEASURES

Ryan Jennings

AGRICULTURAL BIOLOGIST III

Kristen Ottenwalter

Tyler Martin

Lyndee Smith

AGRICULTURAL BIOLOGIST I

Jason Deaner

Frank Bowen

Andrea Watson

SUPPORT STAFF

LeeAnn Price—Fiscal Administrative Officer

Dawn Brown—Account Technician

Ronda Smith—Account Technician

Anastasia Selover—Office Assistant III

COUNTY BOARD OF SUPERVISORS

J. Merced Corona—District I

Daurice Kalfsbeek Smith—District II

Kent S. Boes—District III

Gary J. Evans—District IV

Denise J. Carter—District V

"Agriculture is our wisest pursuit, because it will in the end contribute most to real wealth, good morals, and happiness." *-Thomas Jefferson*

Apiary Products

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
HONEY	2021	55,000	Lb.	5.00	\$275,000
	2020	60,700	Lb.	5.00	304,000
PACKAGE BEES ¹	2021	2,500	Lb.	115.00	288,000
	2020	3,000	Lb.	115.00	345,000
QUEENS	2021	40,000	Each	25.00	1,000,000
	2020	40,000	Each	30.00	1,200,000
POLLINATION ALMONDS	2021	135,428	Colony	184.00	24,919,000
	2020	137,208	Colony	200.00	27,442,000
MISCELLANEOUS ²	2021	-----		-----	780,000
	2020	-----		-----	810,000
TOTAL	2021				\$27,262,000
	2020				30,101,000

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: \$8,800,000
28 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	2021	13,200	49.50	653,400	Ton	\$81.00	\$52,925,000
	2020	12,700	51.21	650,367	Ton	77.00	50,078,000
MISCELLANEOUS ¹	2021	-----	-----	-----	----	-----	24,000,000
	2020	-----	-----	-----	----	-----	24,000,000
TOTAL	2021	13,200					\$76,925,000
	2020	12,700					74,078,000

¹ Includes basil, bean, beet, cabbage, cantaloupe, carrot, corn, cucumber, eggplant, figs, garlic, jalapeno, melon, mushroom, okra, onion, pea, pepper, potato, rosemary, squash, sweet corn, tomato, turnip, watermelon and zucchini.

Fruit and Nut Crop

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
ALMONDS - MEATS	2021	67,714	0.82	55,525	Ton	\$3,921.00	\$217,715,000
	2020	68,604	1.15	78,895	Ton	3,900.00	307,689,000
ALMONDS - HULL	2021	-----	-----	67,714	Ton	70.00	4,740,000
	2020	-----	-----	68,604	Ton	89.50	6,140,000
GRAPES, WINE	2021	1,458	4.41	6,430	Ton	897.00	5,768,000
	2020	747	6.03	4,504	Ton	684.00	3,081,000
OLIVES	2021	209	4.80	1,003	Ton	800.00	803,000
	2020	294	4.12	1,211	Ton	747.00	905,000
PRUNES	2021	338	2.13	720	Ton	1,679.00	1,209,000
	2020	580	2.06	1,195	Ton	1,777.00	2,123,000
WALNUTS - ENGLISH	2021	26,749	1.81	48,416	Ton	1,660.00	80,370,000
	2020	23,886	2.55	60,909	Ton	1,290.00	78,573,000
MISCELLANEOUS	2021 ²		-----	-----	----	-----	25,000,000
	2020 ³		-----	-----	----	-----	25,000,000
TOTAL	2021	96,259					\$335,605,000
	2020	93,817					423,511,000

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

³. 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	2021	2,635	1.28	3,373	Ton	1,200.00	\$4,047,000
	2020	3,094	1.03	3,187	Ton	990.00	3,155,000
CORN - GRAIN	2021	2,552	7.17	18,298	Ton	237.50	4,346,000
	2020	2,835	6.74	19,108	Ton	173.30	3,311,000
HAY - ALFALFA	2021	7,774	6.11	47,499	Ton	237.90	11,300,000
	2020	6,918	7.21	49,879	Ton	201.40	10,046,000
HAY - GRAIN ¹	2021	1,850	1.95	3,608	Ton	212.00	765,000
	2020	2,437	3.00	7,311	Ton	175.00	1,279,000
PASTURE - IRRIGATED	2021	1,200	-----	-----	Acre		210,000
	2020	1,200	-----	-----	Acre		210,000
PASTURE - DRYLAND	2021	170,000	-----	-----	Acre		3,900,000
	2020	180,000	-----	-----	Acre		4,140,000
RICE	2021	99,214	5.67	562,543	Ton	482.00	271,146,000
	2020	125,504	5.28	662,661	Ton	432.00	286,270,000
SAFFLOWER	2021	468	0.88	412	Ton	477.50	197,000
	2020	523	0.60	314	Ton	415.00	130,000
WHEAT	2021	4,877	2.90	14,143	Ton	226.60	3,205,000
	2020	5,500	2.88	15,840	Ton	185.00	2,930,000
MISCELLANEOUS	2021 ²	-----	-----	-----	----	-----	2,000,000
	2020 ³	-----	-----	-----	----	-----	2,040,000
TOTAL	2021	290,570					\$301,116,000
	2020	328,011					313,511,000

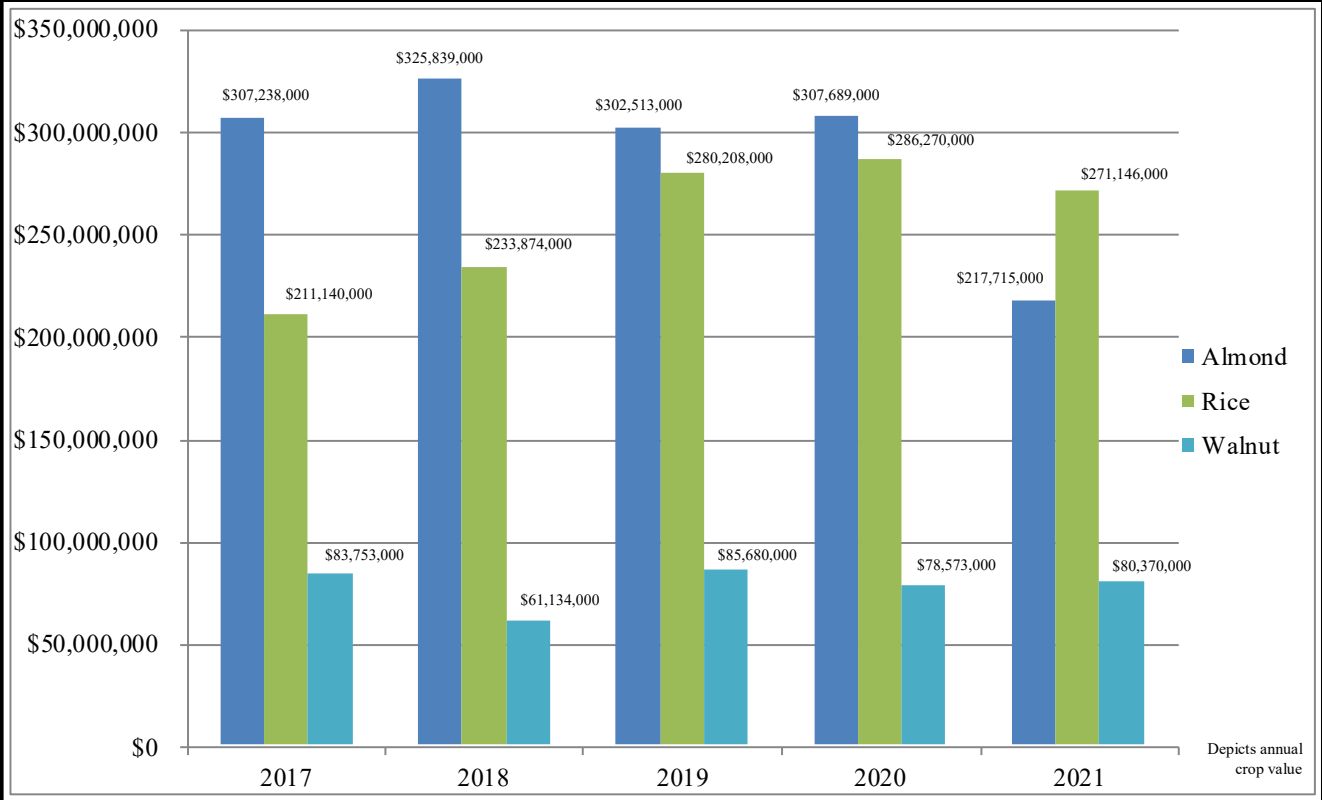
¹ Includes oat, rye grass, sudangrass, wheat and volunteer grain hay.

² Includes alfalfa stubble, barley, industrial hemp, grain, oat, rye, rice & wheat straw, sorghum, milo, triticale and vetch.

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	2021	9,242	9,823	90,784,166	Lb.	0.24	21,788,000
	2020	9,723	8,782	85,387,386	Lb.	0.20	17,077,000
SUNFLOWER	2021	6,286	660	4,148,760	Lb.	1.72	7,136,000
	2020	5,646	1,550	8,751,300	Lb.	1.50	13,127,000
MISCELLANEOUS	2021 ¹	178	-----	-----	Lb.	-----	1,011,000
	2020 ²	598	-----	-----	Lb.	-----	900,000
TOTAL	2021	15,706					\$29,935,000
	2020	15,967					31,104,000

¹ Asparagus and wheat

² Asparagus, bean (chickpea), and triticale

Non-Certified Seed Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
CUCUMBER	2021	840	485	407,400	Lb.	4.10	\$1,670,000
	2020	645	335	216,075	Lb.	8.00	1,729,000
MELON	2021	87	512	44,544	Lb.	4.00	178,000
	2020	200	432	86,400	Lb.	4.08	353,000
ONION	2021	144	190	27,360	Lb.	49.00	1,341,000
	2020	135	195	26,325	Lb.	50.00	1,316,000
SUNFLOWER	2021	905	1393	1,260,665	Lb.	1.35	1,702,000
	2020	604	1700	1,026,800	Lb.	0.90	924,000
SQUASH	2021	367	481	176,527	Lb.	4.63	817,000
	2020	772	450	347,400	Lb.	6.60	2,293,000
WATERMELON	2021	1,427	280	399,560	Lb.	7.52	3,005,000
	2020	1,296	275	356,400	Lb.	6.25	2,228,000
MISCELLANEOUS	2021 ³	-----	-----	-----	----	-----	14,000,000
	2020 ⁴	-----	-----	-----	----	-----	14,900,000
TOTAL	2021	2,865					\$22,713,000
	2020	3,048					23,743,000

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.

⁴ 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	2021	17,000	158,440	Cwt.	\$143.30	\$22,704,000
	2020	16,900	165,620	Cwt.	127.25	21,075,000
SHEEP AND LAMBS	2021	3,900	4,800	Cwt.	212.00	1,018,000
	2020	3,800	4,800	Cwt.	150.00	720,000
MISCELLANEOUS	2021 ¹	-----	-----	----	-----	1,850,000
	2020 ²	-----	-----	----	-----	1,800,000
TOTAL	2021					\$25,572,000
	2020					23,595,000

¹ Includes breeding stock, chickens, goats, hogs, turkeys and livestock products.

² Includes aquaculture, breeding stock, chickens, goats, hogs and turkeys.

TEN LEADING FARM COMMODITIES

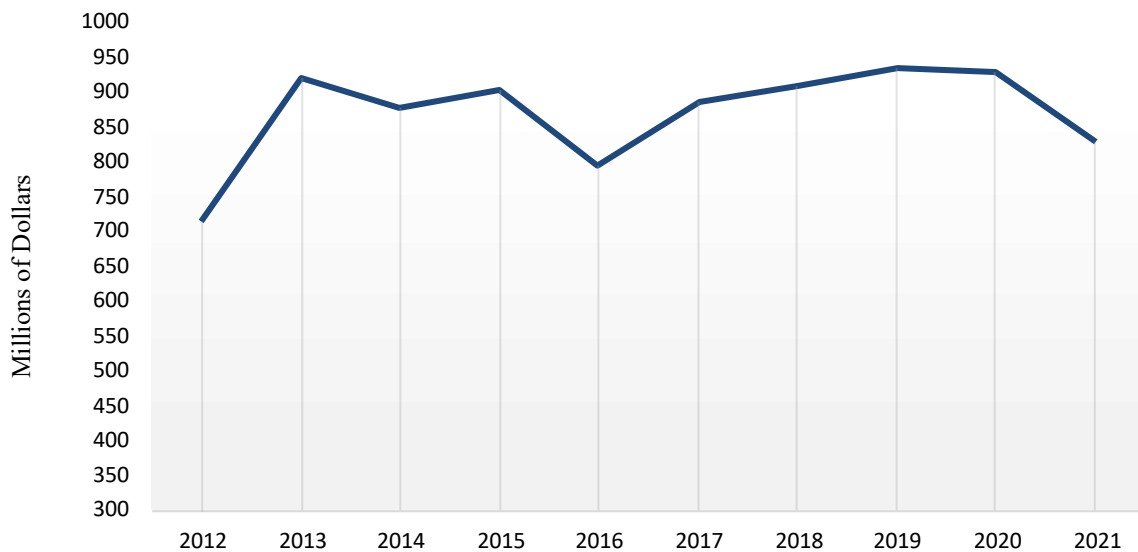
CROP	2021	CROP	2020
RICE	\$271,146,000	ALMONDS - MEATS	\$307,689,000
ALMONDS - MEATS	\$217,715,000	RICE	\$286,270,000
WALNUTS - ENGLISH	\$80,370,000	WALNUTS - ENGLISH	\$78,573,000
TOMATOES - PROCESSING	\$52,925,000	TOMATOES - PROCESSING	\$50,078,000
MISCELLANEOUS - FRUIT & NUT CROPS	\$25,000,000	POLLINATION - ALMONDS	\$27,442,000
POLLINATION - ALMONDS	\$24,919,000	MISCELLANEOUS - FRUIT & NUT CROPS	\$25,000,000
MISCELLANEOUS - FRUIT & VEGETABLE CROPS	\$24,000,000	MISCELLANEOUS - FRUIT & VEGETABLE CROPS	\$24,000,000
CATTLE & CALVES	\$22,704,000	CATTLE & CALVES	\$21,075,000
CERTIFIED RICE SEED	\$21,788,000	CERTIFIED RICE SEED	\$17,077,000
MISCELLANEOUS NON-CERTIFIED SEED CROPS	\$14,000,000	MISCELLANEOUS NON-CERTIFIED SEED CROPS	\$17,900,000



TEN YEAR COMPARISON

2021	GRAND TOTAL	827,928,000
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

Ten Year Annual Crop Value Trend



Colusa County Exported Commodities and Destinations



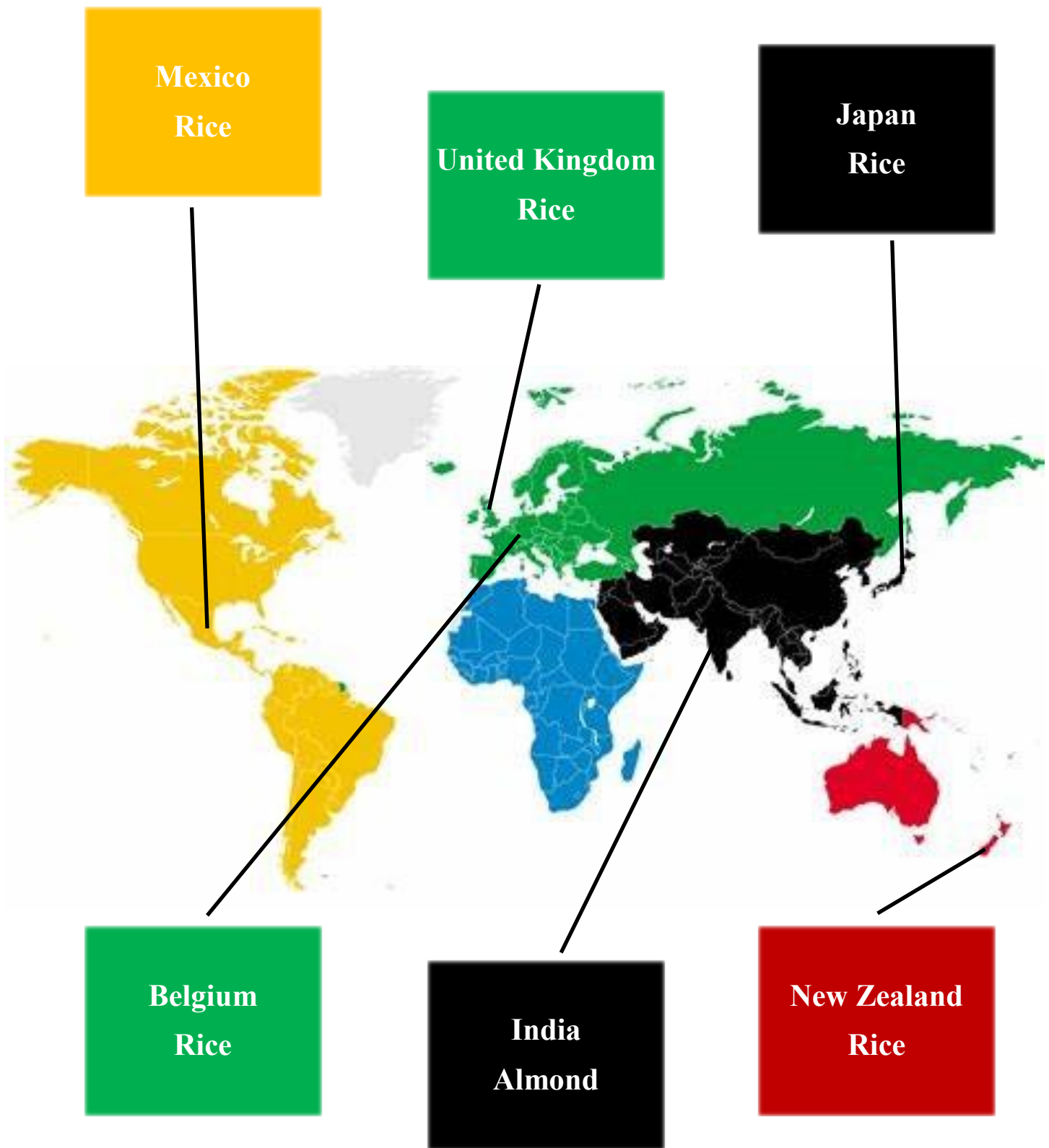
EXPORTED COMMODITIES

Almonds	Carrot*	Melon*	Squash*	Watermelon*
Asparagus*	Cauliflower*	Onion*	Sunflower*	Wheat
Barley	Gourd*	Pepper*	Tarragon*	Wild Rice
Basil*	Leek*	Pumpkin*	Tomato*	
Beet*	Lentil*	Radish*	Triticum sp.*	
Black Eyed Pea*	Lettuce*	Rice	Walnuts	*Denotes seed exported

EXPORTED COUNTRIES

Algeria	Cyprus	Honduras	Malaysia	Russian Federation	Ukraine
Argentina	Czech Republic	Hungary	Mexico	Republic of Moldo- va	United Arab Emir- ates
Australia	Denmark	Hong Kong	Mongolia	Saudi Arabia	United Kingdom
Austria	Dominican Republic	India	Morocco	Serbia	Venezuela
Bahrain	Ecuador	Iraq	Netherlands	Singapore	Viet Nam
Belarus	Egypt	Israel	New Zealand	Slovakia	
Belgium	El Salvador	Italy	Nicaragua	South Africa	
Brazil	Estonia	Japan	Norway	Spain	
Bulgaria	Fiji	Jordan	Oman	Sweden	
Canada	Finland	Kazakhstan	Pakistan	Switzerland	
Chile	France	Kuwait	Panama	Taiwan	
China	French Polynesia	Lao People's Demo- cratic Republic	Peru	Thailand	
Colombia	Germany	Lebanon	Poland	Turkey	
Costa Rica	Greece	Lithuania	Qatar	Tunisia	
Croatia	Guatemala		Republic of Korea		

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 2021 Trapping Season.

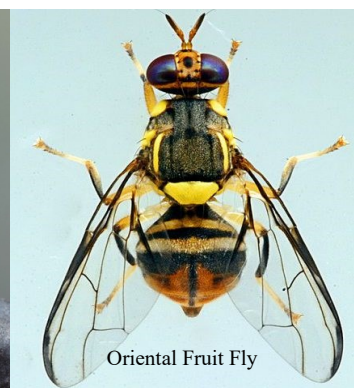
INSECT	TRAP TYPE	SEASON	HOST	TOTAL TRAPS	SERVICINGS
Mediterranean Fruit Fly	Jackson Trap	May - Oct	Fruit Tree	31	250
Oriental Fruit Fly	Jackson Trap	May - Oct	Fruit Tree	12	118
Gypsy Moth	Delta Trap	June - Sept	Shade Tree	50	136
Khapra Beetle	Wall Trap	Jan - Dec	Grain/Seeds Stored Product	89	2136
Melon 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 Wing Sharp Shooter	Yellow Panel Trap	May - Oct	Ornamental	27	297
Asian Citrus Psyllid	Yellow Panel Trap	Nov - Apr	Fruit Tree	40	240
ChamP (Fruit Fly)	Yellow Panel Trap	May - Oct	Fruit Tree	36	216
Tomato Leaf Miner	Delta Trap	May - Oct	Tomato	100	1200
European Grapevine Moth	Delta Trap	Mar - Aug	Grapes	69	759



Tomato Leaf Miner



Gypsy Moth



Oriental Fruit Fly

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 of scales certified in 2021: 233

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 2021: 991



Counter scale used for the sale of fresh fruits and vegetables at local farmers markets or fruit stands

County shared weight truck used to test and certified livestock and vehicle scales



2021 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: 624

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

Certificates of cleanliness issued (includes harvesters, bankouts and grain carts, headers, bins, seed cleaners, augers): 250

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: 110

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 multiple times during the growing season.

Field Walk inspections: 395



Pesticide Reporting and Use

Restricted Material Permits issued:	528
Operator ID Permits issued	48
Pesticide Notice of Intent submitted	3048
Pesticide Use Reports submitted	16,606
Sites permitted	4112

Colusa County Registrations

Pest Control Advisors	131
Pest Control Businesses	79
Pest Control Dealers	4
Pest Control Pilots	68
Farm Labor Contractors	41
Structural Pest Control Operators	62

Seed Samples

Seed samples are retrieved using required protocols when requested by a grower or seed company. The Agriculture 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 2021: 93

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 in 2021: 3862



CROP REPORT DATA

As required by the California Food and Agricultural Code 2279, it is the Agricultural Commissioner's responsibility to compile data for the annual crop report, consisting of 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 the process. For your copy of the 2021 Crop Report please visit www.countyofcolusa.org.

Thank you for supporting Colusa County Agriculture!



County of Colusa
Agricultural Commissioner
Sealer of Weights and Measures
100 Sunrise Blvd., Suite F
Colusa, CA 95932

