



SUTTER COUNTY CROP & LIVESTOCK REPORT | 2020

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MISSION STATEMENT

Our mission is to serve the public's interest by ensuring equity in the marketplace, promoting and protecting agriculture, assuring environmental quality and protecting the health, safety and welfare of Sutter County's citizens.

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



TABLE OF CONTENTS

2	Mission Statement/Staff
5	Agricultural Commissioner's Letter
6	Fruit & Nut Crops
7	Field Crops
8	Seed Crops/Livestock/Apiary Products
9	Vegetable Crops/Nursery Products
10	Wineries of the Sutter Buttes
12	Ten Leading Crops/Summary
13	Gross Production Value
14	Statistics
18	Sutter County Exports
19	Sutter County Apiary Program
20	High Risk Pest Exclusion Program
21	Sutter County Noxious Weed Program
22	Weights & Measures
23	PPE Distribution



About Our Cover Photographer: A.J. Anderson

Background/Involvement in Ag: Fieldman/Manager at Anderson's Flying Service, CSU Chico Agriculture Alumni

How did you get into photography? I enjoy capturing moments and challenging myself to get great pictures that speak for themselves. No formal training, just took it up and started playing around with it.

What motivates you to pull out the camera and start shooting? Sometimes the moment presents itself but usually I have a rough idea of what I'm after and then it plays itself out from there.

What would you say is your style? Definitely anything agricultural and rural. Especially enjoy the morning & evening magic hours, and nighttime is fun to shoot when it works. I enjoy taking pictures that are very aesthetic on their own and maybe providing a brief background on it; I know other people that can take a picture and tell an amazing story around it but I don't have that storytelling skill.

What kind of gear do you use? Canon T3i usually with a 17-85mm lense. Working on learning as much as possible and squeaking every ounce of performance out of this camera before upgrading. And my iPhone of course. I do most editing on SnapSeed. Very basic.

Anything else that you'd like to include? Thank you so much for the opportunity to include some of my photos in this year's Crop Report! Nice knowing the work doesn't go unappreciated.

Photos by A.J. Anderson: Cover, pages 4, 12-13, 14-15, and 16-17.



OFFICE OF THE
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS & MEASURES

LISA D. HERBERT
Agricultural Commissioner
Sealer of Weights and Measures

December 2021

Karen Ross, Secretary
California Department of Food and Agriculture
and
The Honorable Board of Supervisors of Sutter County
Dan Flores, District 2, Chairman
Nick Micheli, District 1
Mike Ziegenmeyer, District 3
Karm Bains, District 4
Mat Conant, District 5

I am pleased to present the 2020 Crop and Livestock Report for Sutter County. The report is prepared pursuant to Section 2279 of the California Food and Agricultural Code and is a summary representing estimated acreage, yield and gross values. The gross value of Sutter County agricultural production for 2020 was \$568,857,000. This is a decrease of \$129,823,000 or 18.6% below the 2019 total value.

Rice remains the top-ranking crop in 2020 despite a 13.6% decrease in acreage. An increase in yield and price offset the reduction in acreage as the total value fell to \$202,525,000. In second place, walnuts total value decreased 40.8% to \$75,448,000 due to a decrease in price. Cling Peaches rose to third with a slight increase in yield to a total value of \$51,412,000. Remaining in fourth, processing tomatoes had an 18.8% decrease in acreage and increases in yield and price to a total value of \$50,528,000. In fifth, nursery products total value rose to \$43,130,000 due to an increase in acreage and per unit value. Almonds rose from seventh place to sixth due to increases in acreage and yield as the total value remained steady at \$39,789,000. Prunes fell to seventh place with decreases in acreage, yield and price to a total value of \$23,709,000.

The 2020 COVID-19 pandemic created unprecedented challenges for the agricultural industry. Protecting essential agricultural workers from COVID-19 and wildfire smoke, shortages of labor and unstable markets had significant effects on our agricultural community. Our office worked tirelessly to provide personal protective equipment and industry support while trying to keep our own safe and healthy.

I would like to express my sincere appreciation for the cooperation of all the growers, organizations and individuals who provided us the data that allows this report to be compiled. Thank you to all my staff, especially Nick Oliver for compiling and analyzing the data. This report represents gross values only and does not reflect net profits or loss to the producers.

To learn more about the Agricultural Commissioner's Office and the services we provide including crop reports dating back to 1940, please visit our website at <http://www.co.sutter.ca.us/doc/government/depts/ag/ahome>.

Respectfully submitted,

A handwritten signature in blue ink, reading "Lisa D. Herbert".

Lisa D. Herbert
Agricultural Commissioner

Fruit & Nut Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Almonds, Meats	2020	14,359	0.92	13,210	Ton	\$3,012	\$39,789,000
	2019	11,674	0.73	8,522	Ton	\$4,678	\$39,866,000
Olives	2020	939	0.69	648	Ton	617	400,000
	2019	940	2.70	2,538	Ton	568	1,442,000
Peaches, Clingstone	2020	7,617	14.18	108,009	Ton	476	51,412,000
	2019	7,993	13.11	104,788	Ton	477	49,984,000
Prunes, Dried	2020	12,002	1.16	13,922	Ton	1,703	23,709,000
	2019	13,748	2.40	32,995	Ton	1,900	62,691,000
Walnuts, English	2020	37,208	1.68	62,509	Ton	1,207	75,448,000
	2019	37,416	1.63	60,988	Ton	2,091	127,526,000
Miscellaneous ¹	2020	954		2,798	Ton	1,665	4,659,000
	2019	1,053		4,440	Ton	1,306	5,799,000
Orchard By-Products	2020				Ton		4,688,000
	2019				Ton		6,895,000
TOTAL	2020	73,079			Ton		\$200,105,000
	2019	72,824			Ton		\$294,203,000

¹ Includes Apples, Apricots, Berries (Blackberries, Boysenberries & Raspberries), Cherries, Chestnuts, Citrus (Grapefruit, Lemons, Limes, Mandarins, Oranges, Tangerines), Feijoa, Figs, Grapes, Jujubes (Chinese Date), Kiwifruit, Kumquat, Nectarines, Nectaplums, Peaches (Freestone), Peacotum, Pears, Pecans, Persimmons, Pistachio Nuts, Plums, Pluots, Pomegranates, Quince, Strawberries, Walnuts (Black) and other miscellaneous fruit and nut crops of a limited number of growers/processors in Sutter County.

2020
\$200,105,000

2019
\$294,203,000

CROP	BEARING ACRES		NON-BEARING ACRES	
	2020	2019	2020	2019
Almonds	14,359	11,674	3,678	6,084
Olives	939	940	0	0
Peaches, Clingstone	7,617	7,993	529	589
Prunes, Dried	12,002	13,748	2,861	2,262
Walnuts, English	37,208	37,416	5,733	4,987
Miscellaneous ¹	954	1,053	69	77
TOTAL	73,079	72,824	12,870	13,999

¹ Includes Apples, Apricots, Berries (Blackberries, Boysenberries & Raspberries), Cherries, Chestnuts, Citrus (Grapefruit, Lemons, Limes, Mandarins, Oranges, Tangerines), Feijoa, Figs, Grapes, Jujubes (Chinese Date), Kiwifruit, Kumquat, Nectarines, Nectaplums, Peaches (Freestone), Peacotum, Pears, Pecans, Persimmons, Pistachio Nuts, Plums, Pluots, Pomegranates, Quince, Strawberries, Walnuts (Black) and other miscellaneous fruit and nut crops of a limited number of growers/processors in Sutter County.

Field Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Bean, Dried, Edible ¹	2020	4,794	1.00	4,794	Ton	\$1,037	\$4,971,000
	2019	11,680	0.88	10,278	Ton	\$991	\$10,185,000
Corn, Field Grain	2020	5,633	7.16	40,332	Ton	\$186	7,502,000
	2019	7,757	6.74	52,282	Ton	161	8,417,000
Hay, Alfalfa	2020	4,265	6.25	26,656	Ton	239	6,371,000
	2019	5,103	5.59	28,526	Ton	228	6,504,000
Hay, Grain	2020	4,428	2.41	10,671	Ton	154	1,643,000
	2019	5,711	3.06	17,476	Ton	156	2,726,000
Pasture, Irrigated ²	2020	9,100			Acre	180	1,638,000
	2019	9,082			Acre	135	1,226,000
Pasture, Range Dry ²	2020	60,000			Acre	17	1,020,000
	2019	60,000			Acre	17	1,020,000
Rice ³	2020	108,778	4.37	475,360	Ton	413	196,324,000
	2019	126,820	4.19	531,376	Ton	403	214,145,000
Safflower	2020	1,854	1.00	1,854	Ton	438	812,000
	2019	2,272	0.80	1,818	Ton	394	716,000
Wheat, Grain	2020	5,060	2.60	13,156	Ton	187	2,460,000
	2019	8,471	2.08	17,620	Ton	197	3,471,000
Miscellaneous ⁴	2020	7,171		15,289	Ton		10,287,000
	2019	12,578		32,103	Ton		9,294,000
Field Crop By-Products	2020						4,518,000
	2019						5,161,000
TOTAL	2020	211,083					\$237,546,000
	2019	249,474					\$262,865,000

2020
\$237,546,000

2019
\$262,865,000

¹ Includes all varieties of edible Dried Bean, including Lima, Blackeye, Garbanzo, Light and Dark Red Kidney Bean and other miscellaneous beans of a limited number of growers/processors in Sutter County.

² The valuation is not an animal production figure but a land value (rental equivalent.)

³ Includes USDA Support Price.

⁴ Includes Barley, Corn (Silage), Cotton, Grass Hay, Industrial Hemp, Oats (Silage), Popcorn, Triticale, Vetch, Sorghum and other miscellaneous field crops of a limited number of growers/processors in Sutter County.

Seed Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Cucumbers	2020	199	390	78,000	Lb	\$4.20	\$328,000
	2019	401	229	92,000	Lb	\$15.16	\$1,395,000
Pumpkins & Squash	2020	266	227	60,000	Lb	7.37	442,000
	2019	259	602	156,000	Lb	5.79	903,000
Rice	2020	5,262	5,892	31,004,000	Lb	0.20	6,201,000
	2019	5,127	8,502	43,590,000	Lb	0.20	8,718,000
Sunflower	2020	8,235	1,267	10,434,000	Lb	1.28	13,356,000
	2019	9,243	1,107	10,232,000	Lb	1.42	14,529,000
Watermelons	2020	647	256	166,000	Lb	19.17	3,182,000
	2019	621	345	214,000	Lb	20.30	4,344,000
Miscellaneous ¹	2020	1,745		3,880,000	Lb		1,058,000
	2019	1,408		5,447,000	Lb		862,000
TOTAL	2020	16,354					\$24,567,000
	2019	17,059					\$30,751,000

2020
\$24,567,000

2019
\$30,751,000

¹ Includes Alfalfa, Arugula, Basil, Fresh Beans, Dried Beans (Blackeye, Cowpea, Cranberry, Lima, Dark Red Kidney, Light Red Kidney), Broccoli, Cabbage, Cantaloupe, Carrots, Cauliflower, Coriander, Gourds, Kale, Lettuce, Onion, Peppers, Mixed Melons, Okra, Radish, Safflower, Sugar Peas, Swiss Chard, Tomato, Tomatillo, Triticale, Wheat, Wild Rice and other miscellaneous seed crops of a limited growers/processors in Sutter County.

Livestock

2020
\$4,417,000

2019
\$6,953,000

ITEM	YEAR	NUMBER	LIVE WEIGHT	UNIT	UNIT VALUE	TOTAL
Cattle & Calves ¹	2020	2,640	20,632	Cwt.	\$109	\$2,249,000
	2019	5,520	38,998	Cwt.	\$128	\$4,991,000
Miscellaneous ^{2,3}	2020					2,166,000
	2019					1,959,000
Livestock By-Products	2020					2,000
	2019					3,000
TOTAL	2020					\$4,417,000
	2019					\$6,953,000

¹ Includes USDA Support Price.

² Sheep & Lambs moved to Miscellaneous category due to insufficient data.

³ Includes Alpaca & Angora Fur, Aquaculture, Chickens, Chicken Eggs, Ducks, Fish Bait, Geese, Goats, Hogs, Milk (Marked), Game Birds, Musk Oxen, Pheasants, Pigeons, Rabbits, Rabbit Hides, Turkeys, Water Buffalo, Wool and other miscellaneous livestock and poultry of a limited number of growers/processors in Sutter County.

Apiary Products

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
Pollination	2020	54,467	Colony	\$103	\$5,713,000
	2019	54,277	Colony	\$91	\$4,939,000
Miscellaneous ¹	2020				1,070,000
	2019				1,055,000
TOTAL	2020				\$6,783,000
	2019				\$5,994,000

2020
\$6,783,000

2019
\$5,944,000

¹ Includes Package Bees, Queen Bees, Honey and Wax.

Vegetable Crops

CROP	YEAR	ACRES HARVESTED	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Tomatoes, Processing	2020	12,640	51.25	647,800	Tons	\$78	\$50,528,000
	2019	15,560	43.69	679,816	Tons	\$76	\$51,666,000
Miscellaneous ¹	2020	192		2,789	Tons		1,781,000
	2019	613		8,481	Tons		5,146,000
TOTAL	2020	12,832					\$52,309,000
	2019	16,173					\$56,812,000

¹ Includes Artichoke, Asparagus, Basil, Beets, Bitter Melons, Bok Choy, Broccoli, Brussels Sprouts, Cabbage, Cantaloupe, Carrots, Cauliflower, Celery, Chard, Cilantro, Collards, Corn (sweet), Cucumbers, Eggplant, Garlic, Gourds, Greens (incl. micro) Green Beans, Herbs, Honeydew, Jicama, Kale, Kohlrabi, Leeks, Lettuce, Melons (Mixed), Mustard, Okra, Onions, Parsnips, Peas, Peanuts, Peppers, Potatoes, Pumpkins, Radishes, Rhubarb, Rutabagas, Shallots, Spinach, Sprouts, Squash, Sweet Potatoes, Tomatillos, Tomatoes (Fresh), Turnips, Watermelons, Winter Squash, Zucchini and other miscellaneous vegetables of a limited number of growers/processors in Sutter County.



Nursery Products

ITEM	YEAR	FIELD ACRES	QUANTITY SOLD	TOTAL
Trees and Vines (Fruit and Nut, Bareroot and Potted)	2020	476	9,699,275	\$43,107,000
	2019	402	10,324,000	\$40,892,000
Miscellaneous ¹	2020	5	2,390	23,000
	2019	7	49,000	210,000
TOTAL	2020	481	9,701,665	\$43,130,000
	2019	409	10,373,000	\$41,102,000



¹ Includes Ornamental Trees, Shrubs and other Nursery Stock.

A man wearing a red bandana, glasses, and a light blue button-down shirt is walking through a vineyard. He is carrying a large white plastic bin. The background shows rows of grapevines and a dirt path.

Wineries OF THE SUTTER

Wine making is up and coming in Sutter County! There are now three wineries that all grow their grapes and make their wine at the foot of the Sutter Buttes.

Cordi Winery was the first winery in the Sutter Buttes. Located at the base of the north side in Live Oak, it is family farmed and operated by founders Reece and Teresa Cordi and their daughters. "We planted our first vineyard in the summer of 2009 which consisted of 300 Primitivo vines. Over the next few years we expanded into a 15-acre vineyard and now grow 12 different grape varietals. We are a full production facility, from the vine to the bottle, we do it all and all by hand!" Cordi Winery specializes in 100% single varietal wines, meaning only one varietal is used, and that's the grape on the label. Daughters Emily and Juleah are part of the operation as well, getting involved in everything from harvest to winemaking to working in the tasting room. It's truly a family affair to make the winery the boutique, Farm-to-Cork style it has become known for.

Munger Family Vineyard is located on the southwest side in Sutter. What started out as a hobby of making their own wine through a love of wine tasting, Danny and Stacy Munger now have a full-blown winery, and with the help of their family and friends they have turned it into a passion for making great wine. Stacy says, "Danny and I look forward to grape harvest. It's a busy time of year and it's a lot of work, but our whole family gets up early to help with the harvest. When we are open for wine tasting, you'll be sure to find three generations of Mungers here at the winery." Their family estate has 444 vines of Estate Zinfandel and Cabernet Sauvignon. Danny's parents, Larry and Eleanor Munger have planted Syrah, Grenache Noir, and Nero D'Avalos vines. They call this their Munger Senior Vineyard. Long time farmers; Bruce and Kathy Peacock of Peacock Family Farms, have Zinfandel, Merlot and Primitivo grapes on their ranch. This Sutter County vineyard is home to their Sutter Cut Blend wine, a local favorite!

Sicilia Vineyards (pronounced "Saychelia") is on the southeast side in Yuba City owned and operated by David Smith and Sandie Adams. It is Yuba City's first commercial wine producing vineyard, and part of their vision is to expose the area as a new potential wine-producing region



BUTTES

as well as to produce outstanding wine, which always starts with outstanding farming practices. David and Sandie were inspired to start their winery by a trip to Italy in 2005 as well as by fellow winery owner, Reece Cordi, who obtained the first permitted tasting room in Sutter County. They strive to provide quality non-traditional varieties of grapes for excellent wine making through partnerships with winemakers committed to European wine styles.

This last year all three wineries came together in bottling the 2017 Primitivo Cuvee'. Primitivo is the only varietal they all have in common. They took 30 gallons from each vineyard to blend their Primitivo Cuvee'. It was so good that it has just about sold out, despite the release being pushed out due to the pandemic.



Ten Leading Crops

CROP	2020	CROP	2019
RICE ¹	\$202,525,000	RICE ¹	\$222,863,000
WALNUTS	\$75,448,000	WALNUTS	\$127,526,000
PEACHES, CLINGSTONE	\$51,412,000	PRUNES, DRIED	\$62,691,000
TOMATOES, PROCESSING	\$50,528,000	TOMATOES, PROCESSING	\$51,666,000
NURSERY PRODUCTS	\$43,130,000	PEACHES, CLINGSTONE	\$49,984,000
ALMONDS	\$39,789,000	NURSERY PRODUCTS	\$41,102,000
PRUNES, DRIED	\$23,709,000	ALMONDS	\$39,866,000
SUNFLOWER, SEED	\$13,356,000	SUNFLOWER, SEED	\$14,529,000
CORN, FIELD GRAIN	\$7,502,000	BEAN, DRIED, EDIBLE ^{2,3}	\$10,293,000
HAY, ALFALFA	\$6,371,000	CORN, FIELD GRAIN	\$8,417,000

¹ Includes Seed, does not include Wild Rice.

² Includes all varieties of edible Dried Bean, including Lima, Blackeye, Garbanzo, Light and Dark Red Kidney Bean, and other miscellaneous beans of a limited number of growers/processors in Sutter County.

³ Includes Seed.

Summary

CATEGORIES	2020	2019
FRUIT & NUT CROPS	\$200,105,000	\$294,203,000
FIELD CROPS	237,546,000	262,865,000
SEED CROPS	24,567,000	30,751,000
VEGETABLE CROPS	52,309,000	56,812,000
NURSERY PRODUCTS	43,130,000	41,102,000
LIVESTOCK PRODUCTS	4,417,000	6,953,000
APIARY PRODUCTS	6,783,000	5,994,000
TOTAL	\$568,857,000	\$698,680,000

Gross Production Value

YEAR	VALUE	YEAR	VALUE	YEAR	VALUE
1959	\$50,707,000	1980	\$299,014,700	2001	\$264,673,000
1960	\$50,536,000	1981	\$316,465,900	2002	\$291,061,100
1961	\$55,585,000	1982	\$247,784,100	2003	\$307,322,300
1962	\$57,322,000	1983	\$205,335,300	2004	\$299,219,300
1963	\$55,155,000	1984	\$262,285,500	2005	\$305,190,190
1964	\$66,740,000	1985	\$255,449,600	2006	\$358,845,200
1965	\$64,564,000	1986	\$229,364,800	2007	\$377,940,800
1966	\$71,627,000	1987	\$216,183,600	2008	\$498,195,200
1967	\$69,313,000	1988	\$201,345,800	2009	\$475,691,100
1968	\$80,275,000	1989	\$243,940,200	2010	\$521,640,570
1969	\$74,006,000	1990	\$217,400,000	2011	\$518,198,460
1970	\$77,238,000	1991	\$268,941,900	2012	\$528,253,000
1971	\$82,209,000	1992	\$285,622,700	2013	\$597,530,000
1972	\$95,118,000	1993	\$292,108,300	2014	\$726,066,000
1973	\$159,204,000	1994	\$340,171,300	2015	\$538,147,000
1974	\$179,719,000	1995	\$330,170,500	2016	\$514,408,000
1975	\$187,517,000	1996	\$302,706,400	2017	\$583,996,000
1976	\$178,554,000	1997	\$277,169,700	2018 ¹	\$609,058,000
1977	\$200,878,000	1998	\$268,323,100	2019	\$698,680,000
1978	\$220,502,000	1999	\$347,939,000	2020	\$568,857,000
1979	\$258,666,900	2000	\$340,176,000		

¹ 2018 Total value revised.

STATISTICS

CROP STATISTICS

As required by the California Food & Agricultural Code, the gross production and value of the county's commodities are compiled and recorded in the annual crop report. This valuable information helps associated businesses while promoting the production and prosperity of agriculture in California.

Total Hours Expended 2020: 102

SEED LAW ENFORCEMENT AND CERTIFICATION

Inspections are performed at retail and wholesale establishments that sell seed. Samples are drawn for germination and purity testing and labeling is inspected for compliance with state requirements. Through this program, certification services are also available for growers and processors in cooperation with the California Crop Improvement Association.

Total Hours Expended 2020: 468

APIARY INSPECTION

This program emphasizes the registration and site location of honeybee colonies in the county. At the request of beekeepers or growers, the County Agricultural Commissioner inspects colonies for strength and health to ensure effective pollination.

Total Hours Expended 2020: 299

KILL THE BUG, RECYCLE THE JUG

This program is funded by a grant from Feather Air Quality Management District with the Sutter County Agricultural Commissioner's Office making an in-kind contribution of approximately 145 hours annually. Growers are encouraged to bring their empty pesticide containers to permanent recycling events held throughout the year. In 2020 we recycled 99,000 pounds of used pesticide containers. A total of 1,278,127 pounds have been recycled since the program began in 2007.



PESTICIDE USE ENFORCEMENT

This is a complex legislatively mandated program that provides for the proper, safe and effective use of pesticides essential for production of food and fiber and for protection of the public health and safety. It also protects the environment from potentially harmful pesticides by prohibiting, regulating or ensuring proper stewardship of pesticides. An important component of the program focuses on agricultural and pest control workers, ensuring safe working conditions, use of proper protective equipment and training for employees who work with or around pesticides. Other components of the program include pesticide use reporting, incident investigations, outreach activities promoting best management practices and monitoring applications in the field.

Total Hours Expended 2020: 10,698

FRUIT, NUT AND VEGETABLE STANDARDIZATION

This program ensures compliance with California's minimum standards regarding quality and marketing of all produce commercially grown and/or marketed in the state. Regulation of two certified market and 28 certified producers as well as Organic Program law enforcement are part of a program that provides for local protection to growers, marketers and consumers.

Total Hours Expended 2020: 598

MEASUREMENT STANDARDS

County Weights and Measures officials ensure the accuracy of commercial weighing and measuring devices; verify the quantity of both bulk and packaged commodities and enforce the quality advertising and labeling standards for most petroleum products.

Total Hours Expended 2020: 2010



STATISTICS

PEST MANAGEMENT

The County Agricultural Commissioner is charged with the responsibility of managing nuisance pests of agriculture and human health. Many of these pests are introduced species that have become established despite our best pest exclusion efforts. If promising, programs are established to distribute biological agents for troublesome pests.

To prevent the spread of glassy-winged sharpshooter (GWSS), Sutter County inspected 128 shipments of nursery stock arriving from infested areas in California. There were zero shipments of plant material rejected for the presence of GWSS egg masses or other life stages. There were 127 traps placed in nurseries and urban areas for the detection of GWSS, which were serviced a total of 1,196 times.

The Biological Control program utilizes natural enemies to suppress populations of pests to economically and environmentally acceptable levels. Following establishment, the agents are self-sustaining, reducing the need for chemical controls. A number of biological control agents are general distribution or locally established, including agents for puncturevine (*Tribulus terrestris*) and yellow starthistle (*Centaurea solstitialis*). The puncturevine agents include puncturevine seed weevil (*Microlarinus lareynii*) and puncturevine stem weevil (*M. lypriformis*)

and distributed countywide. There are six yellow starthistle agents present in Sutter County. Additionally, the lerp psyllid wasp (*Psyllephagus bliteus*) is present, which acts as a biocontrol for the redgum lerp psyllid (*Glycaspis brimblecombei*), a pest of eucalyptus.

In 2020, the County Agricultural Commissioner began work under a State weed grant to survey for noxious weeds and weeds of concern.

Total Hours Expended 2020: 661

ORGANIC FARMING

37 farms, totaling approximately 13,674 acres of crop land were registered as organic in Sutter County in 2020. These farms produce a wide array of commodities such as almonds, stone fruit, beans, herbs, corn, popcorn, miscellaneous vegetables, apples, grapes, pears, pomegranates, melons, squash, oats, peas, prunes, rice, seed crops, tomatoes, walnuts and wheat. The total estimated values of organic production in Sutter County in 2020 was \$23,871,158. In comparison, 2019 had 20,785 production acres with an estimated value of \$29,819,598.

NURSERY INSPECTION

Through this program, inspections are performed at the growing propagation, production and sales sites to ensure cleanliness from pests, varietal trueness and stock vigor prior to consumer sales. In 2020, 198 hours were spent performing inspections at 167 locations, consisting of 429 acres.

Total Hours Expended 2020: 573

PEST DETECTION

This program provides the second line of defense against exotic pests through the early detection of new introductions before they become widely established. Through early detection, the likelihood of these pests becoming established in the state is lessened and the cost and environmental impact of eradication is minimized.

There were 637 traps placed for detection of exotic insect pests including Mediterranean, Oriental and melon fruit flies, gypsy moth, Japanese beetle, European pine shoot moth, khapra beetle, vine mealybug, European grapevine moth, light brown apple moth, and Asian citrus psyllid. Over the course of the season, a cumulative total of 7,037 servicings were performed.

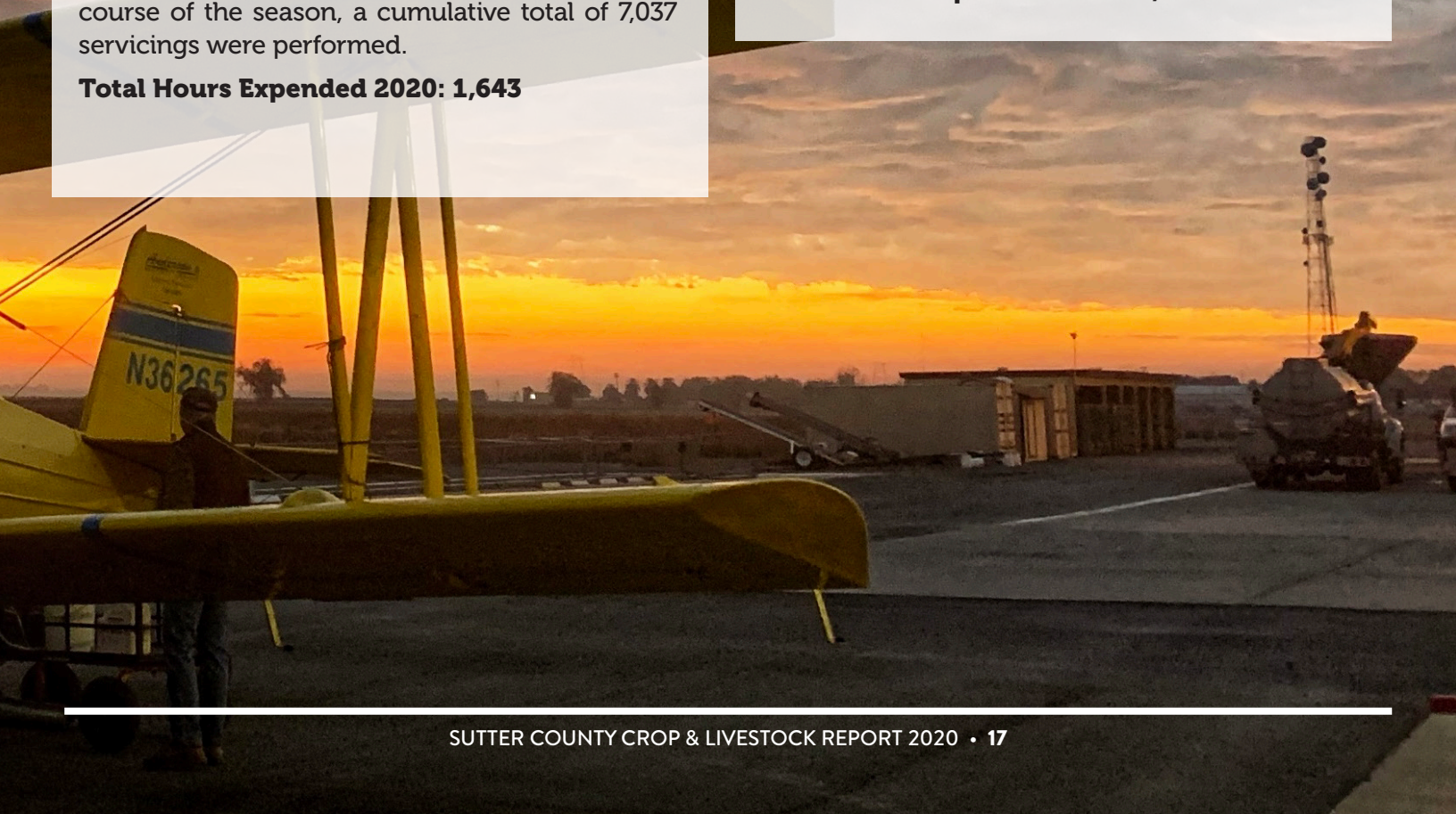
Total Hours Expended 2020: 1,643

PEST EXCLUSION

This program provides the first line of defense for California agriculture and the environment against the invasions of exotic pests. Inspections provide protection from the introduction of plant, animal, insect and disease pests that may be introduced into the state through the movement of legal and illegal trade. This program also involves inspections of plant material being delivered to other states and countries and the issuance of certificates documenting compliance with their entry requirements.

A total of 365 premise visits were conducted in 2020. A total of 1,715 shipments of plant material were inspected during these visits. Inspection occurred at the express carriers, nurseries, and other farms. There were 40 rejections of plant material issued. Rejected plant material may be returned to the shipper, reconditioned, and released or destroyed. To assist our industry, we issued 1,913 federal phytosanitary certificates for international shipments and 28 state phytosanitary certificates for shipments to other states.

Total Hours Expended 2020: 5,074



SUTTER COUNTY EXPORTS

Sutter County exported to 86 countries in 2020, the top five being Turkey, China, India, United Arab Emirates and Japan.

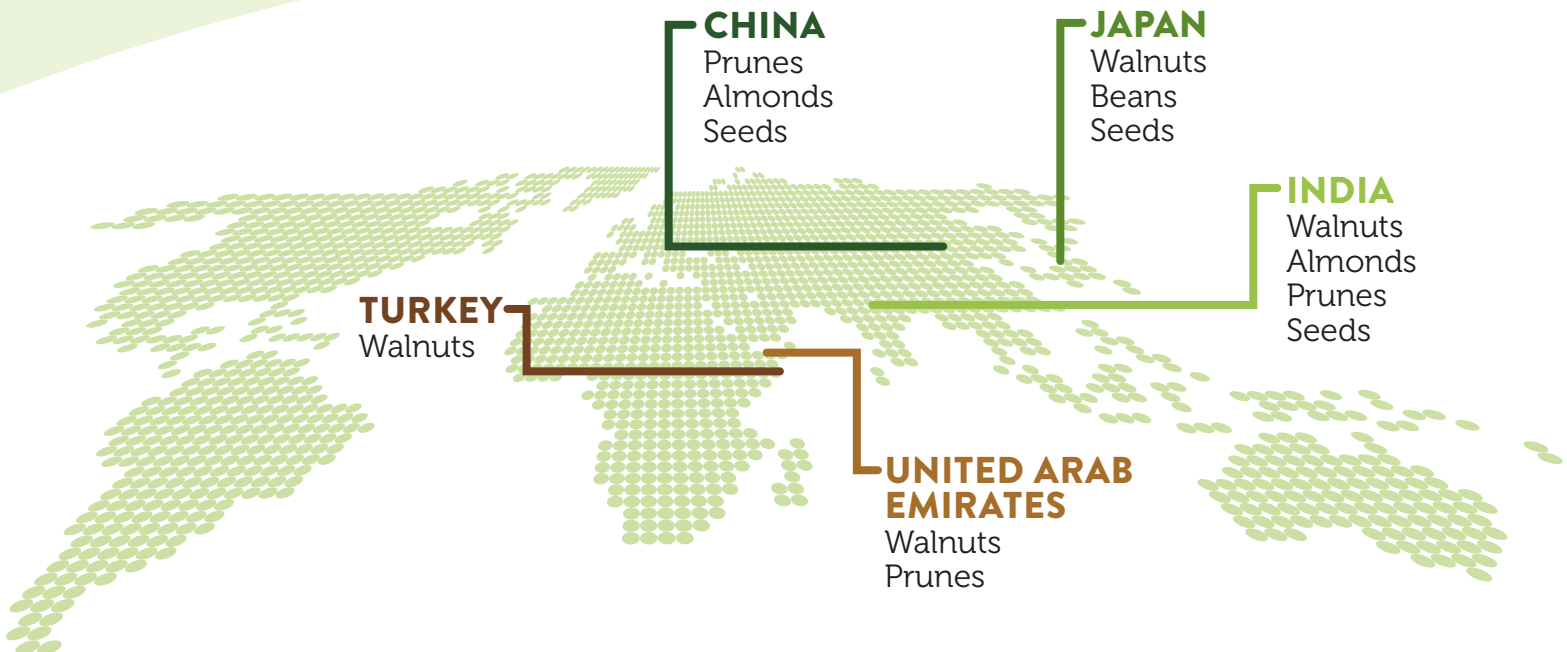
2020 FEDERAL PHYTOSANITARY CERTIFICATES

Total of 1,913 issued to 86 countries

NUMBER OF CERTIFICATES ISSUED

Turkey - 179
China - 137
India - 127
United Arab Emirates - 104
Japan - 99

Top Five Export Countries





SUTTER COUNTY APIARY PROGRAM



Beekeeping is an integral component of the agriculture industry as bees are needed for pollination of a variety of crops throughout our County and State. In Sutter County, crops requiring bees for pollinations include almonds, prunes, sunflowers, and other row crops.

The primary focus of our Apiary program is to register and track the location of hives and colonies and safeguard Sutter County's honeybee industry from damaging pests and diseases. Our Bee Safe contract in cooperation with California Department of Food and Agriculture focuses on apiary identification, registration, and theft prevention.

Bee Where (beewherecalifornia.com) is a new statewide online program that is a collaborative initiative to bring beekeepers and pesticide applicators together to share best practices by tracking hive locations using innovative mapping tools. It gives a countywide snapshot of hive locations that Pest Control Advisors and the Agricultural

Biologists can check for growers and applicators so that they may coordinate with nearby beekeepers before they apply pesticides that may be harmful to bees. This program helps to prevent bee injury, but also helps ensure beekeepers are in compliance with California law which requires them to register bees with their local Agricultural Commissioner. Additionally, it allows for beekeepers to move their hive locations on the real-time GIS map throughout the season as needed with a simple pin drop using the mobile app.

Other services offered in the Sutter County Apiary program are Colony Strength Inspections. At the request of beekeepers or growers the Agricultural Commissioner staff inspects colonies for strength and health to ensure effective pollination. Health inspections and sampling are also conducted through the phytosanitary certification process when exporting hives or queens out of the country.



HIGH RISK PEST EXCLUSION

The High Risk Pest Exclusion program is the first line of defense against non-native invasive pests which can be detrimental to agriculture. "Invasive species can devastate the environment, displace or destroy native plants and insects, severely damage crops, and poison livestock," said Lisa Herbert, Sutter County Agricultural Commissioner. "Taking steps to prevent their introduction is the most effective method of reducing both the risk of invasive species infestations and the cost to control and mitigate those infestations."

California has various pathways for the possible entry of pests and diseases which include airports, postal carriers, seaports, parcel carriers, and truck shipments. Truck shipments from out-of-state carrying nursery products and air shipments into international facilities are some of the highest risk pathways and are inspected most often in Sutter County.

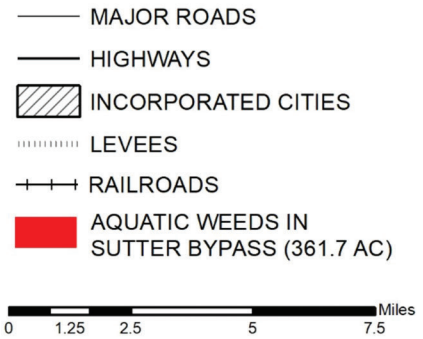
Inspections are conducted each weekday at shipping terminal facilities which receive packages incoming from Sacramento International Airport. Also, each time a truck shipment with Agricultural product passes through a border station or arrives at a retail facility to unload the Agricultural Commissioner is informed and a visual inspection of the plants and accompanying paperwork follows.

Spotted Lanternfly (*Lycorma delicatula*) is a strikingly beautiful leafhopper with a striped yellow abdomen and ruby red and black polka dot wings. It is a rising pest of concern in California. "Spotted lantern fly is a major threat to apples, grapes, stone fruits, roses, landscape trees and the timber industry," said Surendra Dara, UC Cooperative Extension entomology and biologicals advisor in San Luis Obispo, Ventura and Santa Barbara counties. "The agricultural industry and the public need to be looking out for this insect to prevent its migration and establishment in California." Spotted Lanternfly inserts its piercing and sucking mouthparts into plant tissues and feeds on nutrient-rich phloem sap. This depletes the nutrients, reduces plant vigor, and yield. Several California counties have found adults on cargo planes originating from eastern states upon inspection after arrival into California. This pest now has an exterior quarantine approved through the California Code of Regulations. The effect of this regulation is to provide authority for the State to prevent the spread of the spotted lanternfly to non-infested areas to protect California's agricultural industry. Since the spotted lanternfly affects cultivated, landscape, and wild plants, both the farming community and the public should be aware. Any suspects should be reported to the Agricultural Commissioner's office.



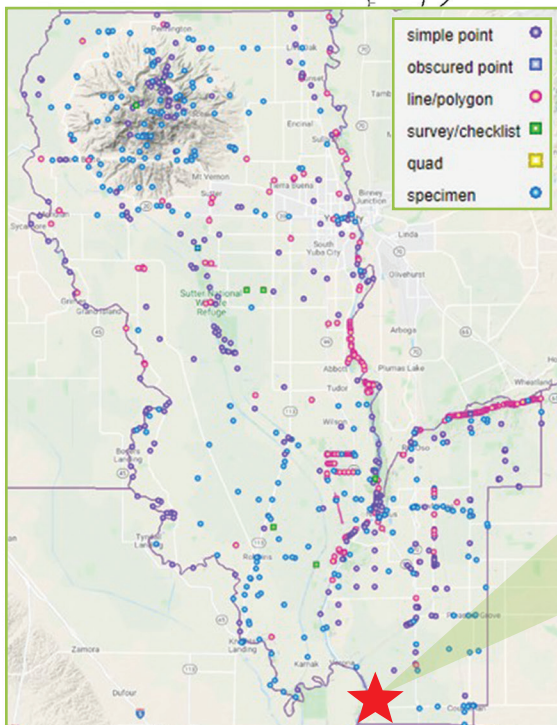
SUTTER COUNTY NOXIOUS WEED PROGRAM

It is the duty of the Agricultural Commissioner to detect, control, and eradicate non-native invasive weed species deemed a threat to agriculture. The department's Noxious Weed Program consists of surveying, mapping, treating, and monitoring sites with weed populations based on risk associated with continued infestation spread.



Noxious Weed Control Benefits:

- Increase profitability and value of crop land and rangeland
- Decrease costs of roadside, park, and waterway maintenance
- Protect biodiversity of native ecosystems
- Maintain recreational and aesthetic value of open space, recreational, and public areas
- Increase water supply and flow



WEIGHTS & MEASURES



MEASURING DEVICE INSPECTIONS

DEVICE TYPE	INSPECTIONS COMPLETED
Fabric, Cord, Wire Meters	12
Liquid Propane Gas Meters	28
Retail Motor Fuel Meters	506
Retail Meters	2
Retail Water Meters	26
Taximeters	1
Gas Vapor Submeters	13
Water Submeters	6
TOTAL MEASURING DEVICES INSPECTED	594
Compliance Rate:	91.30%

WEIGHING DEVICE INSPECTIONS

DEVICE TYPE	INSPECTIONS COMPLETED
Computing Scales	247
Counter Scales	60
Dormant/Platform Scales	133
Hanging Scales	10
Hopper Scales	2
Livestock Scales	7
Misc. Weighing Device	1
Monorail & Meatbeam	1
Prescription/Jewelry	5
Vehicle Scales	87
TOTAL MEASURING DEVICES INSPECTED	553
Compliance Rate:	91.60%

PETROLEUM SIGNS & LABELING INSPECTIONS

Number of Inspections Completed	38
Consumer complaints	4
Notices of Violations Issued	19

QUALITY CONTROL INSPECTIONS

Price Verification Inspections	
Locations tested	1
Number of Inspections	1
OVERALL COMPLIANCE	100%

Packaging Inspections	
Number of Lots Inspected	5
Number of Packages Sampled	49
OVERALL COMPLIANCE	100%

Test Purchase / Sale Inspections	
Locations Visited	1
Purchases/Sales Made	2
OVERALL COMPLIANCE	100%

PPE DISTRIBUTION

In early 2020, as the COVID-19 pandemic began to spread throughout the country; a steep decrease in the supply of available N-95 dust/mist filtering facepiece respirators (N95s) became apparent. In May, the California Office of Emergency Services (Cal OES) procured Personal Protection Equipment (PPE) to be used for the prevention of the spread of COVID-19 and protect and support agricultural workers. Sutter County was provided with 7,680 N-95s, 68,000 surgical masks and 1,000 cloth masks for distribution to the agricultural community.

In June of 2020, The Sutter and Yuba County Agricultural Commissioner's Offices held their first of three drive-thru mask distribution events. These events distributed thousands of masks to the agricultural community for COVID-19 prevention.

By August of 2020, wildfire smoke created additional need for PPE and impacted the ability of agricultural businesses with employees working outdoors to provide N95s to employees for smoke protection and still have enough to comply with regulations protecting pesticide handlers and applicators.

Recognizing this challenge to the agricultural industry, the California Department of Food and Agriculture (CDFA) along with Cal OES authorized the distribution of N95s to agricultural businesses and workers in order to support their essential function within the food supply chain. Sutter County received additional shipments of surgical and N95 masks as well as nitrile gloves, cloth masks and hand sanitizer bottles.

The Agricultural Commissioner's Office worked with the Sutter COVID Outreach Resiliency Effort (SCORE) Team and Yuba-Sutter Farm Bureau to distribute masks, gloves and sanitizer to the Sutter County Regional Housing Authority, local processors, handlers and farming operations throughout the County.

To date, we have handed out over 200,000 surgical masks, 20,000 N95s, 5,000 cloth masks, 1,000 bottles of hand sanitizer and 98,000 nitrile gloves at drive-thru events and at our front counter. Surgical masks, hand sanitizer and N95s are still available at our office for those in need.





COUNTY OF SUTTER
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

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