

SAN JOAQUIN COUNTY CROP REPORT

2023 **BEYOND**
The Tractor



2023 SAN JOAQUIN COUNTY CROP REPORT



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DISTRICT 3



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DISTRICT 5



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THE HONORABLE BOARD OF SUPERVISORS, SAN JOAQUIN COUNTY

Karen Ross, Secretary

California Department of Food and Agriculture

Dear Secretary and Board Members:

In accordance with Section 2272 and Section 2279 of the California Food and Agricultural Code, I am pleased to present the 90th Annual Report of San Joaquin County's Agricultural Production.

The 2023 San Joaquin County's gross agricultural production values totaled \$3,220,324,000. This represents a decrease of 0.75% from the 2022 total value of \$3,244,671,000. The figures represent gross values of agricultural commodities rather than net returns to the grower.

Milk was San Joaquin County's number one leading commodity with a total value of \$621,400,000. This represents a decrease of 0.81% from 2022 due to decrease in price as provided by Federal Milk Marketing Orders. Grapes showed a decrease of 8.04% due to less acreage, lower prices, and an oversaturated market. Almonds had a decrease of 13.50% in the total value but maintained the third position. Cherries occupied the fourth position and had an 8.07% decrease due to a slight drop in price. Eggs and Chicken all stayed in fifth position but showed a 36.85% increase from the previous year due to higher prices and production. Walnut production values increased 2.28% due to a slight increase in price. Tomatoes had a gross production value of \$147,369,000 representing 4.58% of the total agricultural production. Cattle and Calves totaled \$145,596,000 in value. Blueberries made it back to our top ten crops due to increase in yields with a total value of \$81,178,000. Silage and other field crops moved up to the tenth position in the top ten-commodity chart with a total value of \$77,970,000.

Other commodity groups that manifested gains include Nursery Products by 6.74% because of overall increase in production; Apiary Products increased 4.08% due to higher Honey production and price values and Livestock & Poultry saw 7.42% increase because of higher price values for Cattle & Calves, Turkeys, Sheep and Lambs. The Vegetable commodity group also saw an increase of 15.97% owing to significant increase in acreage, yields and pricing for Pumpkins, Onions, Peppers, and Tomatoes. The values herein are estimates based on the most common method of sale for the individual commodity, except for fresh fruits and vegetables where the value is based on the Free On Board (F.O.B.) packed price at the shipping point.

I wish to express my gratitude to all who cooperated in providing data for this report, including our agricultural producers, industry representatives and other public agencies. I would also like to express my sincere thanks to the Agricultural Commissioners staff, especially Agricultural Biologist/Standards Inspectors Israel Arambula, Cheyenne Lewis, and Hayden Lewis for all their hard work and diligence in compiling the necessary information that made this report possible.

Respectfully submitted,

Kamaljit Bagri

San Joaquin County Agricultural Commissioner/Sealer of Weights & Measures

BEYOND THE TRACTOR



THE IMPACT OF AGRICULTURE IN SAN JOAQUIN COUNTY

34k+
JOBS RELATED TO
AGRICULTURE

10%
OF ALL JOBS

\$3 Billion+
INCOME ANNUALLY FROM
AGRICULTURE ALONE*

\$4 Billion+
INCOME INCLUDING
AGRICULTURE-ADJACENT
INDUSTRIES*

\$7.8 Billion
TOTAL OF AGRICULTURAL
ECONOMIC OUTPUT

It is no secret that farming and agriculture is an important part of our world.

Without the advances in farming practices and machinery to assist farmers in growing and harvesting crops, our everyday lives would be much more difficult due to a lack of abundant food. What is not commonly known is just how many jobs and industries that're stimulated by the agriculture industry and its products. This year's theme, "Beyond the Tractor", seeks to provide this insight and reveal further reasoning as to why agriculture is such a driving force of San Joaquin County.

Some examples of jobs that are stimulated by the agriculture industry include grocery store employees, truckers, lab workers, and many more. In total our County supports a total of **over 34,000 jobs** related to agriculture, just under **10% of all jobs in our County**. So, when the agriculture industry faces economic and environmental changes, it causes a whole host of jobs to change in response.

In San Joaquin County we generate over **\$3 billion annually** from our agriculture alone. Once you add in all the agriculture-adjacent industries such as food manufacturing and wineries the number shoots up to **over \$4 billion annually**. These numbers for the agriculture industry have remained strong even through times of economic struggle, attesting to the reliability of the agriculture industry as the foundation of our County's efforts.

With this in mind, we must all do our part in order to help an industry that has such a direct effect on each of our lives.

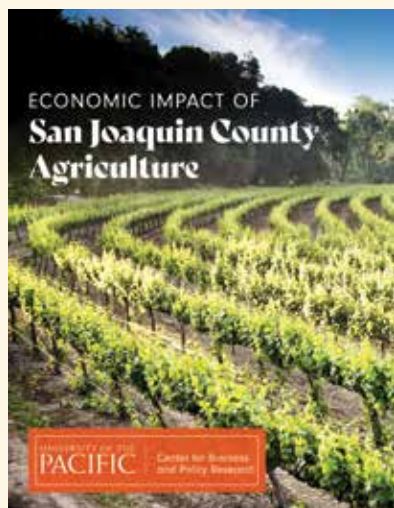
*Values Comparable to GDP

ECONOMIC IMPACT

OF SAN JOAQUIN COUNTY AGRICULTURE



The “Economic Impact of San Joaquin County Agriculture” is a report by the Center for Business and Policy Research (CBPR) at the University of the Pacific that surveys the economic contribution of agriculture to the San Joaquin County economy.



Prepared by Dr. Jeffery Michael, a Professor of Public Policy and the Director of Public Policy Programs for CBPR, the report focuses on the 15 years since the CBPR published its last review in 2008. It explores topics

such as crop acreage trends, agricultural revenue, and agricultural employment, among others.

There are several key takeaways from the report. In the words of Dr. Michael, “There has been a tremendous increase in the supply of tree nuts. Ten years ago, prices rose to incredible highs as demand expanded and the profitability was tremendous. Supply responded to these prices. Almond plantings skyrocketed, and there were rapid expansions in walnuts and others as well. In the past decade, tree nut orchards have expanded by 100,000 acres in San Joaquin County alone. There is now a surplus

of product, and prices have dropped quickly.” This can be seen in **Figure 2**, which compares the acreage for several top commodities over the years in the Fruit and Nut Category. This shift to nut trees has resulted in a direct drop in acreage of vegetable and field crops.

Another key takeaway is the rapidly rising wages of agricultural jobs. Agriculture is historically the lowest-paying sector in San Joaquin County economy. But by 2022 the average annual wage was \$45,000, outpacing average annual wages in other County industries such as Retail Trade and Hospitality. With this shift,

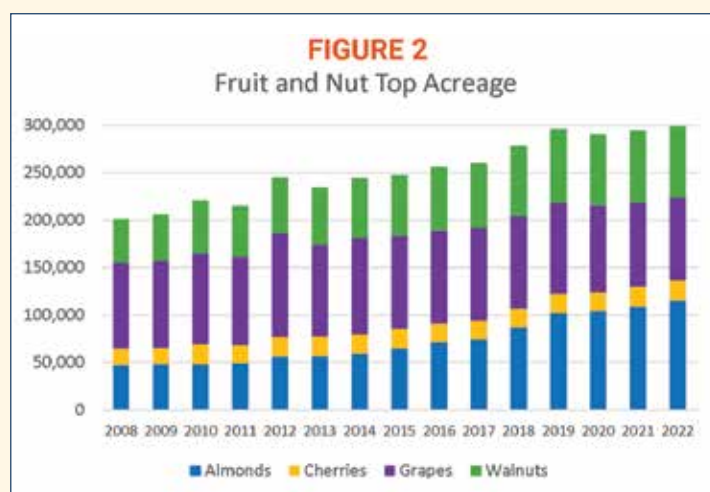


TABLE 3. TOTAL ECONOMIC CONTRIBUTION OF SAN JOAQUIN COUNTY AGRICULTURE AND LOCAL-INPUT DEPENDENT FOOD AND BEVERAGE MANUFACTURING INCLUDING DIRECT, INDIRECT AND INDUCED IMPACTS, 2022.

Contribution Type	Agriculture Only	Agriculture and Local-Input Dependent Food Manufacturing and Wineries
Employment (includes employees and self-employed proprietors)	27,004	34,873
Labor Income	\$1,673,869,281	\$2,299,814,809
Value Added	\$3,121,932,968	\$4,222,604,622
Output	\$4,859,840,289	\$7,865,841,700
Contribution Share of San Joaquin County Employment	7.2%	9.3%
Contribution Share of San Joaquin County GDP	7.6%	10.3%

it has likely been a factor influencing the 17.5% decline in total agricultural jobs since its 2015 high of 16,584 jobs down to 13,763 as of 2022. Other factors likely affecting this drop include the significant shift from vegetable crops towards nuts, changing technology, and changes to labor supply.

The wine industry is a noticeable exception to this trend. According to Dr. Michael, “The number of local wineries has more than doubled and the number of winery employees has seen an increase from 1,329 jobs to 2,559, a 92.5% increase.” If we include a multi-industry count of jobs that agriculture is a direct input for, the numbers of jobs the agriculture industry provides nearly doubles. We can see this result in **Table 3**. For more details on how the model calculates these results, please refer to pages 11-12 of the report.

“...by 2022 the average (Agriculture) annual wage was \$45,000, outpacing average annual wages in other County industries such as Retail Trade and Hospitality.”

Overall, the report finds that agriculture remains a foundational industry even as the urban areas and population grow. Despite the industry’s contributions remaining constant, San Joaquin

County’s agriculture has changed substantially. This urbanization has been a factor in dropping the economic share San Joaquin County agriculture offers from about 15% in 2008 from the time of the original study to about 10% as of 2022. However, the County’s agriculture has proven resilient to economic changes and will continue to evolve and grow. As it states at the end of the report, “With its prime

farmland, diverse array of crops and processing sectors, and innovative industry leaders, agriculture is poised to remain a foundational economic driver for San Joaquin County for generations to come.”

Charts and Tables courtesy of Dr. Thomas Pogue (Executive Director of CBPR) and Dr. Jeffery Michael. To learn more about the Economic Impact of San Joaquin County Agriculture, please scan the QR code or visit <https://www.pacificcbpr.org/economic-impact-of-san-joaquin-agriculture/>.



TOP 10 COMMODITIES

2023 TOTAL
\$2,472,577,000

2022 TOTAL
\$2,563,755,000



1 MILK

2023: \$621,400,000
2022: \$626,472,000



2 GRAPES

2023: \$393,887,000
2022: \$421,061,000



3 ALMONDS

2023: \$343,553,000
2022: \$397,177,000



4 CHERRIES

2023: \$273,374,000
2022: \$279,998,000



5 EGGS, CHICKEN ALL

2023: \$238,924,000
2022: \$174,580,000



6 WALNUTS

2023: \$149,326,000
2022: \$145,997,000



7 TOMATOES, ALL

2023: \$147,369,000
2022: \$114,174,000



8 CATTLE & CALVES

2023: \$145,596,000
2022: \$128,954,000



9 BLUEBERRIES

2023: \$81,178,000
2022: \$64,350,000



10 SILAGE, OTHER

2023: \$77,970,000
2022: \$84,367,000

FRUIT & NUTS

CROP	PRODUCTION					GROSS VALUE		
	YEAR	BEARING ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	SUBTOTAL	TOTAL
ALMOND, MEATS	2023	112,600	0.98	110,200	TON	\$3,120.00		\$343,553,000
	2022	115,500	1.05	125,600	TON	\$3,280.00		\$397,177,000
ALMOND, HULLS	2023			220,000	TON	\$209.00		\$46,060,000
	2022			242,000	TON	\$213.00		\$51,521,000
ALMOND SHELLS	2023			110,200	TON	\$39.30		\$4,325,000
	2022			120,900	TON	\$37.00		\$4,478,000
APPLES, ALL	2023	1,290	13.03	16,800	TON	\$559.00		\$9,377,000
	2022	1,430	16.80	24,000	TON	\$558.00		\$13,424,000
<i>FRESH</i>	2023			10,900	TON	\$761.00	\$8,292,000	
	2022			15,600	TON	\$778.00	\$12,161,000	
<i>PROCESSING</i>	2023			5,900	TON	\$185.00	\$1,086,000	
	2022			8,400	TON	\$150.00	\$1,262,000	
APRICOTS	2023	587	5.21	3,050	TON	\$754.00		\$2,304,000
	2022	592	2.70	1,600	TON	\$700.00		\$1,118,000
BLUEBERRIES	2023	2,360	6.76	15,950	TON	\$5,090.00		\$81,178,000
	2022	2,510	4.00	11,700	TON	\$5,500.00		\$64,350,000
CHERRIES, ALL	2023	19,800	2.74	54,500	TON	\$5,020.00		\$273,374,000
	2022	20,900	2.60	54,400	TON	\$5,150.00		\$279,998,000
<i>FRESH</i>	2023			40,100	TON	\$5,100.00	\$204,633,000	
	2022			41,300	TON	\$4,840.00	\$200,071,000	
<i>PROCESSING</i>	2023			14,332	TON	\$4,796.00	\$68,741,000	
	2022			14,800	TON	\$6,117.00	\$79,928,000	
GRAPES, ALL	2023	81,600	7.85	640,000	TON	\$615.00		\$393,887,000
	2022	87,800	7.46	655,000	TON	\$643.00		\$428,359,000
OLIVES, PROCESSING	2023	4,910	2.04	10,000	TON	\$1,337.00		\$13,365,000
	2022	5,090	2.38	12,100	TON	\$846.00		\$10,262,000
PEACHES, ALL	2023	1,530	16.56	25,300	TON	\$652.00		\$16,500,000
	2022	1,580	15.78	29,100	TON	\$590.00		\$11,289,000
<i>CLINGSTONE</i>	2023	990	17.47	17,300	TON	\$658.00	\$11,421,000	
	2022	1,030	17.29	17,800	TON	\$613.00	\$10,894,000	
<i>FREESTONE</i>	2023	535	14.86	7,950	TON	\$639.00	\$5,079,000	
	2022	553	12.98	7,180	TON	\$554.00	\$3,978,000	

CROP	PRODUCTION					GROSS VALUE		
	YEAR	BEARING ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	SUBTOTAL	TOTAL
PEARS	2023	67	17.13	1,140	TON	\$572.00		\$653,000
	2022	61	14.83	910	TON	\$578.00		\$524,000
PISTACHIO	2023	1,305	2.83	3700	TON	\$4,175.00		\$15,434,000
	2022	1,126	2.80	3160	TON	\$4,267.00		\$13,463,000
WALNUTS, ENGLISH	2023	70,100	2.28	160,000	TON	\$930.00		\$149,326,000
	2022	74,500	2.45	182,000	TON	\$800.00		\$145,997,000
MISCELLANEOUS	2023	670						\$4,904,000
	2022	950						\$6,354,000
TOTAL	2023	296,000						\$1,352,820,000
	2022	311,000						\$1,427,941,000

Numbers may not compute exactly due to rounding.



Andrew Dasso

Grower, A&A Dasso Farms

I've been farming all my life, from working as a little kid with my family to now. It has been a family business since 1921, managing and packaging cherries and walnuts. It is my whole life. Even after I

graduated from Fresno State in 1980, I came back to help run the family business. And it's not just farming I do with our family business. I deal with the marketing and sales of my produce, among many other things. I wear many hats in the family business.

San Joaquin County exists in a Mediterranean climate which is coupled by the delta air, creating a cool climate overnight. These conditions result in our County having some of the best soil in the world. **In general, agriculture is such an important part of the economy because it reaches the greatest number of people, and our County's agriculture is no exception. From farm labor to marketing, all the way to trucking and grocery stores.** Despite how important agriculture is, many people don't understand the number of things a farmer has to do and deal with. There is labor, mother nature, marketing, technology, competition with other countries for prices of crops, trade barriers for exports, shipping, logistics, rising costs, and lots more. It is very much a business.



VEGETABLE CROPS

CROP	PRODUCTION					GROSS VALUE		
	YEAR	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	SUBTOTAL	TOTAL
CORN, SWEET	2023	5,420	4.20	22,800	TON	\$216.00		\$4,921,000
	2022	4,340	4.90	21,300	TON	\$225.00		\$4,786,000
CUCUMBERS	2023	3,300	8.07	26,600	TON	\$261.00		\$6,961,000
	2022	3,870	6.98	27,000	TON	\$289.00		\$7,809,000
GARLIC	2023	3,140	7.23	22,700	TON	\$704.00		\$15,962,000
	2022	3,480	7.72	26,800	TON	\$653.00		\$17,514,000
MELONS, ALL	2023	2,690	33.95	72,700	TON	\$564.00		\$36,883,000
	2022	2,770	34.27	94,900	TON	\$400.00		\$36,144,000
WATERMELON	2023	1,600	38.00	60,800	TON	\$537.00	\$32,666,000	
	2022	2,030	39.53	80,100	TON	\$427.00	\$34,218,000	
OTHER*	2023	1,088	28.00	23,500	TON	\$395.00	\$4,218,000	
	2022	744	19.92	21,400	TON	\$253.00	\$1,927,000	
ONIONS	2023	1,430	21.84	31,300	TON	\$353.00		\$11,051,000
	2022	2,260	20.35	45,900	TON	\$202.00		\$9,281,000
PEPPERS	2023	550	18.25	10,000	TON	\$550.00		\$5,498,000
	2022	430	15.75	6,760	TON	\$495.00		\$3,347,000
PUMPKINS	2023	3,210	22.83	73,300	TON	\$414.00		\$30,339,000
	2022	2,520	23.00	57,900	TON	\$300.00		\$17,374,000
SQUASH	2023	900	11.26	10,100	TON	\$659.00		\$6,662,000
	2022	1,750	18.25	32,000	TON	\$251.00		\$8,030,000
TOMATOES, ALL	2023	18,500	49.27	912,000	TON	\$161.60		\$147,369,000
	2022	19,900	38.63	769,000	TON	\$148.40		\$114,174,000
FRESH	2023	1,010	46.00	46,600	TON	\$500.00	\$23,300,000	
	2022	950	41.00	39,000	TON	\$890.00	\$34,735,000	
PROCESSING	2023	17,500	49.46	866,000	TON	\$143.30	\$124,069,000	
	2022	19,000	38.51	730,000	TON	\$108.80	\$79,439,000	
MISCELLANEOUS**	2023	3,700						\$49,711,000
	2022	1,050						\$3,644,000
TOTAL	2023	42,800						\$315,357,000
	2022	41,700						\$271,940,000

*Melons includes honeydew & cantaloupes. **Miscellaneous includes potatoes and carrots. Numbers may not compute exactly due to rounding.

FIELD CROPS

CROP	PRODUCTION					GROSS VALUE		
	YEAR	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	SUBTOTAL	TOTAL
BEANS, DRY, ALL	2023	4,500	1.06	4,600	TON	\$1,380.00		\$6,701,000
	2022	5,800	1.34	8,300	TON	\$1,340.00		\$11,766,000
LIMA	2023	1,220	1.60	1,620	TON	\$1,820.00	\$2,941,000	
	2022	2,180	1.53	3,340	TON	\$1,830.00	\$6,099,000	
BEANS, OTHER*	2023	3,280	0.86	3,000	TON	\$720.00	\$3,761,000	
	2022	3,610	1.22	4,900	TON	\$1,000.00	\$5,666,000	
CORN, GRAIN	2023	13,900	6.27	87,000	TON	\$368.00		\$32,085,000
	2022	15,200	4.13	63,000	TON	\$470.00		\$29,570,000
HAY, ALL	2023	43,800	5.32	233,000	TON	\$306.00		\$70,850,000
	2022	48,300	6.82	329,000	TON	\$344.00		\$113,322,000
ALFALFA	2023	37,700	5.65	213,000	TON	\$315.00	\$67,089,000	
	2022	40,200	7.00	282,000	TON	\$373.00	\$105,052,000	
OTHER	2023	6,100	3.27	19,900	TON	\$189.00	\$3,761,000	
	2022	8,030	5.92	47,500	TON	\$174.00	\$8,270,000	
PASTURE & RANGE	2023	115,400	0.98	113,050	ACRE	\$56.00		\$6,460,000
	2022	135,000	1.00	135,000	ACRE	\$51.60		\$9,422,000
IRRIGATED	2023	10,700	1.36	14,552	ACRE	\$275.00	\$2,943,000	
	2022	14,500	1.00	14,500	ACRE	\$230.00	\$3,988,000	
OTHER	2023	119,200	1.22	145,424	ACRE	\$47.00	\$5,602,000	
	2022	120,000	1.00	120,000	ACRE	\$45.00	\$5,400,000	
RICE	2023	10,990	5.08	55,800	TON	\$593.00		\$33,121,000
	2022	8,930	5.04	45,000	TON	\$750.00		\$33,759,000
SAFFLOWER	2023	2,700	1.47	3,970	TON	\$740.00		\$2,935,000
	2022	3,840	0.51	1,960	TON	\$614.00		\$1,202,000
SILAGE, CORN	2023	48,590	25.24	1,136,000	TON	\$59.40		\$67,436,000
	2022	47,700	25.55	1,222,000	TON	\$72.40		\$88,286,000
SILAGE, OTHER (INCLUDES GREEN CHOP)	2023	67,000	9.64	642,000	TON	\$121.50		\$77,970,000
	2022	88,000	8.02	710,000	TON	\$118.90		\$84,367,000
WHEAT	2023	15,300	3.16	48,200	TON	\$293.00		\$14,141,000
	2022	18,900	2.68	50,600	TON	\$358.00		\$18,151,000
MISCELLANEOUS**	2023	1,930						\$1,751,000
	2022	350						\$418,000
TOTAL	2023	324,000						\$313,450,000
	2022	372,000						\$390,263,000

*Beans, other includes blackeye, kidney, garbanzo and all other beans not listed. **Miscellaneous now includes sorghum milo & barely grain. Numbers may not compute exactly due to rounding.

NURSERY

ITEM	YEAR	QUANTITY SOLD	UNIT	GROSS VALUE	
				TOTAL	
GRAPEVINES, STRAWBERRY PLANTS, FRUIT & NUT TREES	2023	84,261,000	PLANT	\$15,020,000	
	2022	82,249,000	PLANT	\$14,076,000	
VEGETABLE PLANTS	2023	176,564,000	PLANT	\$10,643,000	
	2022	174,068,000	PLANT	\$9,572,000	
FLOWERING POTTED PLANTS	2023	2,088,000	EACH	\$10,492,000	
	2022	2,008,000	EACH	\$10,827,000	
FOLIAGE PLANTS	2023	807,000	EACH	\$6,892,000	
	2022	885,000	EACH	\$7,690,000	
BEDDING PLANTS	2023	50,000	PLANT	\$985,000	
	2022	49,000	PLANT	\$938,000	
WOODY ORNAMENTALS	2023	8,593,000	EACH	\$60,077,000	
	2022	8,296,000	EACH	\$57,160,000	
BULBS, RHIZOMES, TURF, CACTUS, ETC.	2023			\$43,360,000	
	2022			\$40,934,000	
TOTAL	2023			\$147,469,000	
	2022			\$138,155,000	

Numbers may not compute exactly due to rounding.

APIARY

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	GROSS VALUE	
					TOTAL	
HONEY	2023	4,871,000	LBS	\$3.05	\$14,856,000	
	2022	4,818,000	LBS	\$2.95	\$14,213,000	
POLLINATION	2023	216,000	HIVE	\$201.00	\$43,420,000	
	2022	218,000	HIVE	\$192.00	\$41,812,000	
MISCELLANEOUS*	2023				\$952,000	
	2022				\$882,000	
TOTAL	2023				\$59,228,000	
	2022				\$56,907,000	

*Includes pollen, bees, queens, nucleus, colonies and beeswax.
Numbers may not compute exactly due to rounding.

SEED CROPS

CROP	PRODUCTION			GROSS VALUE			
	YEAR	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
MISCELLANEOUS*	2023	1,240			CWT		\$3,469,000
	2022	1,855			CWT		\$3,996,000

*Includes bean, seed.
Numbers may not compute exactly due to rounding.

OTHER

CROP	PRODUCTION			GROSS VALUE		
	YEAR	TOTAL	UNIT	PER UNIT	TOTAL	
BIOMASS/FIREWOOD	2023	77,000	CORD	\$182.00	\$14,014,000	
	2022	96,550	CORD	\$174.00	\$16,800,000	



Jerred Dixon

Grower, Conservation Farms and Ranches

I have worked in lots of different industries growing up, but I always came back to farming. Both sides of my family have been farming for a long time. It is a clean living and lifestyle. We do it for a living and an income, but you need to have a passion for farming to stay in it a long time. It is very important work, being able to grow food to feed the world.

Right now, my job specifically is more on outreach to promote habitat and nature-based solutions for the climate. I am in a different farming situation than most with the conservatory our island has. We are a research station, so we try to push out into the public any results we find from our work. **For San Joaquin County’s agricultural successes, however, constant availability of quality water makes a big difference. This County has several types of soil, leading to different crop specialties.** We tend to grow what is popular in the market but can be limited on what we grow because we are on organic grounds. For example, we started putting in more rice instead of corn to limit our greenhouse gas emissions.

LIVESTOCK & POULTRY



						GROSS VALUE
ITEM	YEAR	NO. HEAD	LIVE WEIGHT	UNIT	PER UNIT	TOTAL
CATTLE & CALVES	2023	135,000	1,103,000	CWT	\$132.00	\$145,596,000
	2022	132,000	1,057,000	CWT	\$122.00	\$128,954,000
SHEEP & LAMBS	2023	10,520	16,900	HD	\$188.00	\$3,185,000
	2022	10,120	15,800	HD	\$179.00	\$2,827,000
BROILERS	2023	403,000	1,473,000	LBS	\$1.95	\$2,873,000
	2022	397,000	1,365,000	LBS	\$1.88	\$2,566,000
TURKEYS	2023	10,520	16,900	HD	\$188.00	\$3,185,000
	2022	10,120	15,800	HD	\$179.00	\$2,827,000
MISCELLANEOUS*	2023					\$6,711,000
	2022					\$6,318,000
TOTAL	2023					\$166,884,000
	2022					\$148,026,000

*Includes hogs, goats, squab, ducks and other fowl.

LIVESTOCK & POULTRY PRODUCTS

						GROSS VALUE
ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL	
MILK, ALL	2023	31,070,000	CWT	\$20.00	\$621,400,000	
	2022	23,730,000	CWT	\$26.40	\$626,472,000	
WOOL	2023	72,000	LBS	\$2.44	\$175,000	
	2022	69,000	LBS	\$2.20	\$151,000	
EGGS, CHICKEN, ALL	2023	56,330,000	DOZ	\$4.24	\$238,924,000	
	2022	45,108,000	DOZ	\$3.87	\$174,580,000	
MANURE	2023	241,000	TON	\$4.76	\$1,148,000	
	2022	227,000	TON	\$4.03	\$915,000	
TOTAL	2023				\$861,647,000	
	2022				\$802,118,000	

Numbers may not compute exactly due to rounding.



ORGANIC PRODUCTION

Organic Production is a production system that integrates cultural, biological, and mechanical practices fostering the cycling of resources, promote ecological balance, and conserve biodiversity.

Organic certification for crops requires maintenance of the agricultural site free from prohibited pesticides for a period of 36 months.

To become recognized nationally as an Organic Establishment, the Producer may choose to become "Certified Organic". Certification is required for all Producers who's gross sales amount to \$5,000 or greater. To initiate the Certification process, the registered Organic Producer must contact a

Third-party accredited certifying agent which can be found on the Organic Integrity Database maintained by the United States Department of Agriculture (USDA). Approval as a Certified Organic Operation enables the Producer to utilize the USDA Organic Seal on their organic products. The County Agricultural Commissioner enforces the laws and regulations established by the State Organic Program and National Organic Program to ensure integrity of organic production is maintained.

SAN JOAQUIN COUNTY ORGANIC

54

REGISTERED PRODUCERS

REGISTERED HANDLERS

34

3

REGISTERED PROCESSORS

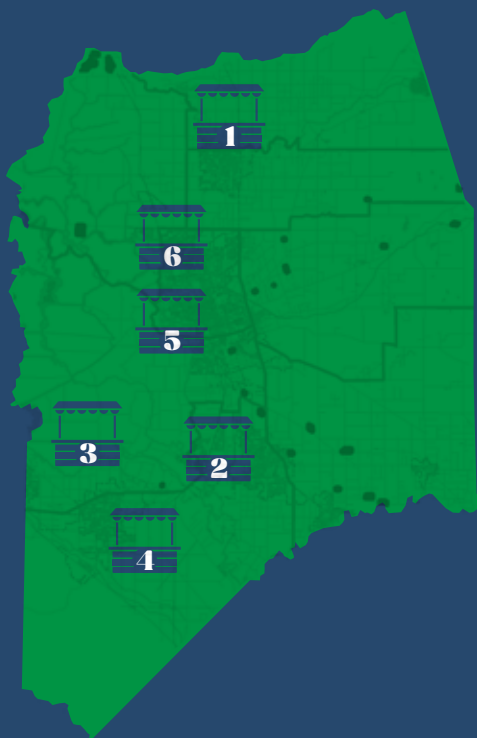
TOTAL ORGANIC ACREAGE

4312.3

TOTAL GROSS SALES

\$24,013,173

SAN JOAQUIN COUNTY CERTIFIED FARMER'S MARKET



- 1 LODI CFM**
35 S School St., Lodi, CA 95240
Thu 5PM - 8PM • May 16 – Sept 5
- 2 RIVER ISLANDS CFM**
1175 Marina Dr. Lathrop, CA 95330
Sat 9AM - 1PM • April 27 – Nov 23
- 3 MOUNTAIN HOUSE CFM**
251 E Main St., Mountain House, CA 95391
Sun 9AM - 1PM • Year Round
- 4 DOWNTOWN TRACY FARMERS MARKET**
900 Central Ave. Tracy, CA 95376
Sat 8AM - 1PM • Year Round
- 5 GOLDEN VILLA FARMERS MARKET, LLC**
255 S Sutter St. Stockton, CA 95207
Sun 5AM -11AM • Year Round
- 6 WEBERSTOWN FARMER MARKET**
4950 Pacific Ave., Stockton, CA 95207
Sun 8AM-1PM • Year Round
Thu 8AM - 1PM • May 2 – Nov 21



The County Agricultural Commissioner's Office certifies Farmer's Markets and Producers in San Joaquin.

70

**CERTIFIED
PRODUCERS**

9

**CERTIFIED FARMER'S
MARKETS (6 ACTIVE)**

Certification allows our local producers to sell the commodities they have grown directly to the consumer at a Certified Farmer's Market (CFM). Certification of Producers involves site inspections of the producers' land to ensure that they actively practice the agricultural arts and grow what they are selling. Buying and reselling of agricultural products at Certified Farmer's Markets is prohibited. The grower benefits by eliminating costs incurred by packaging, labeling, marketing, and other intermediary costs. The consumers benefit by obtaining fresh, locally grown, produce at a reasonable price.

PESTICIDE USE ENFORCEMENT



The San Joaquin County Agricultural Commissioner is the primary local enforcement agency for pesticide laws and regulations.

The Pesticide Use Enforcement (PUE) program concerns with topics and events involving pesticides and their uses with our goal being the protection of human and environmental health.

The program ensures safe working conditions of pesticide handlers, and protection of bystanders, through inspections in agricultural and non-agricultural settings. The program verifies the use of pesticides is conducted in a safe and effective manner ensuring the use of proper Personal Protective Equipment. The staff reviews the use of hazardous pesticides such as restricted use pesticides ensuring safety near sensitive areas, such as schools, organic fields, waterways, parks, and residential areas.

To ensure compliance with pesticide laws and regulations, our office offers in-person as well as online education through Continuing Education classes for all farmers and license holders. At these classes, farmers can obtain knowledge about the new and existing laws and regulations requirements as well as learn safe and effective application techniques.

Under the PUE program, possible pesticide related illnesses and injuries, property loss and damage and other environmental incidences are investigated by the Agricultural Biologists staff. The pesticide incidents can be reported to our office by contacting our office at (209) 953-6000 or email us at stocktonag2@sjgov.org. If a complaint is about a pesticide drift happening immediately and it is after hours, contact can be made by calling (209) 981-6037.



12
PESTICIDE CONTAINER
RECYCLING EVENTS

13,282
ONLINE CE EXAMS PASSED



Continuing Education Meeting

PESTICIDE USE ENFORCEMENT (PUE)	TOTAL
AGRICULTURAL REGISTRATIONS	1,005
RESTRICTED MATERIALS PERMITS ISSUED	996
RESTRICTED MATERIALS PERMIT AMENDMENTS ISSUED	1,422
NOTICES OF INTENT APPROVED	4,315
PESTICIDE USE REPORTS REVIEWED	49,492
PESTICIDE CONTAINERS INSPECTED	230,318
NEW PRIVATE APPLICATOR CERTIFICATES ISSUED	546
NEW BURROWING VERTEBRATE CERTIFICATIONS ISSUED	132
CONTINUING EDUCATION PROGRAM (CE)	TOTAL
IN-PERSON CE MEETINGS	6
ONLINE CE	
ONLINE CE COURSES OFFERED (ENGLISH & SPANISH)	9
REGISTERED ONLINE CE USERS	3,503
SPRAY SAFE MEETING	1

PEST EXCLUSION



VINE MEALYBUG

Pest exclusion is our first line of defense against pests that are non-native to San Joaquin County.

Our mission is to prevent the introduction and spread of exotic and invasive insects and diseases within the County. Our Agricultural Biologists conduct multiple inspections throughout the County at multiple parcel facilities, nurseries, and other various locations that receive plant material.



SPOTTED LANTERN FLY



LEAFHOPPER

SHIPMENTS INTERCEPTED	
TYPE	INSPECTED
PARCELS	5,747
NURSERY BLUE TAG	2,384
TRUCK	441
SEED SHIPMENTS	358
BEE SHIPMENTS	167
SOUTHERN STATE SHIPMENTS	58
AIR FREIGHT	49
SPONGY MOTH	6

PESTS INTERCEPTED		
PEST	FINDS	RATING
LESSER SNOW SCALE	3	A
BLACK THREAD SCALE	1	A
COLLETOTRICHUM	2	Q
JOHNSONGRASS	1	Q
LEAFHOPPER	2	Q
INSECT EGGS	3	Q
PHYTOPHTHORA/CANTORUM	2	B
PHYTOPHTHORA/PALMIVORA	17	B
COMMON PESTS	65	C



PEST DETECTION



QUEENSLAND FRUIT FLY

The Pest detection program is considered the second line of defense in protecting our agricultural industry from invasive or exotic pests that can devastate California agriculture.

10,281

TOTAL TRAPS PLACED
IN 2023



ORIENTAL
FRUIT FLY

TYPES OF PESTS	
PEST	TRAPS DEPLOYED
MEDITERRANEAN FRUIT FLY	617
ORIENTAL FRUIT FLY	617
MELON FLY	353
MCPHAIL GENERAL FRUIT FLY	353
CHAMP GENERAL FRUIT FLY	55
JAPANESE BEETLE	250
SPONGY MOTH	250
WESTERN CHERRY FRUIT FLY	327
APPLE MAGGOT	103
LIGHT BROWN APPLE MOTH	66
EUROPEAN GRAPEVINE MOTH	1,771
VINE MEALYBUG	1,750
ASIAN CITRUS PSYLLID	638
GLASSY WINGED SHARPSHOOTER	3,131

The program is designed to detect early and eradicate harmful pests before they become established. Insect traps are placed throughout San Joaquin County to intercept pests of concern in home gardens, recreation areas, ports, shipping facilities, nurseries and agricultural fields. Permission to place traps must be obtained prior to trap deployment. Keeping San Joaquin County free from these pests of concern enables export of the many commodities grown by our local growers. In 2023, the state of California had over 940 detections of exotic pests resulting in delimitations and quarantines throughout the state. These quarantines allowed our state to keep its pest-free status so we can continue to export agricultural commodities to other states and countries.



EXPORT CERTIFICATION

The Export Certification program is responsible for assuring commodities exported to foreign countries meet the importing countries' requirements for each commodity imported.

California is unique when it comes to the inspection and exportation of commodities. The Agricultural Commissioner's system works with the United States Department of Agriculture (USDA) by having trained Inspectors as Accredited Certifying Officials (ACO). ACO's are granted permission by the USDA to conduct inspections and issue Phytosanitary Certificates. Phytosanitary Certificates are federal documents that inform foreign countries that the commodity has been inspected and free from harmful pests.

San Joaquin County Agricultural Biologist/Inspectors conduct multiple inspections daily on commodities from Apples to Zucchini. The ACO inspectors (when required) monitor fumigations, conduct field walks, review lab reports, and inspect various commodities prior to the issuance of a Phytosanitary Certificate.

Through this work, the San Joaquin County Agricultural Commissioner's Office continues to work to promote and protect the agricultural industry.

TOP 5 EXPORTS



1 WALNUTS

3,477 CERTIFICATES
72,882 TONS*



2 ALMONDS

2,641 CERTIFICATES
57,526 TONS



3 RICE

110 CERTIFICATES
15,575 TONS



4 CHERRIES

3,944 CERTIFICATES
13,099 TONS



5 ONIONS

142 CERTIFICATES
3,390 TONS

*METRIC TONS

TOP 10 COUNTRIES BY CERTIFICATES

2023 SAN JOAQUIN COUNTY

12,464

PHYTOSANITARY CERTIFICATES ISSUED

90

DIFFERENT COUNTRIES

COUNTRIES	COUNT OF CERTIFICATES
THE REPUBLIC OF KOREA	1,910
JAPAN	1,788
INDIA	938
THE REPUBLIC OF TÜRKIYE	853
MEXICO	750
UNITED ARAB EMIRATES	706
CANADA	546
TAIWAN	528
ITALY	430
GERMANY	402
TOTAL NUMBER OF CERTIFICATES ISSUED	12,464



WEIGHTS & MEASURES



Operating within the San Joaquin County Agricultural Commissioner's Office, the Division of Weights & Measures is dedicated to safeguarding the interests of consumers and businesses by promoting fairness and equality in the marketplace.

The division oversees a range of inspections, including the verification of quantities of packaged products, testing of fuel samples for quality, and examinations of all commercial weighing and measuring devices. These measures are in place to ensure that consumers are not overcharged for products sold by weight, measure, or count and to maintain fair business practices for all entities involved.

COMMERCIAL DEVICES

A commercial device refers to any scale or meter utilized to sell or purchase products. This includes a wide range of devices, such as gas pumps at fuel stations, meters in propane delivery trucks, wholesale meters at fuel distribution centers, computing scales at grocery stores, livestock scales at livestock auction yards, and vehicle scales at cement plants, packing sheds, wineries, dairy farms, and cheese factories. The Division of Weights & Measures, with its meticulous yearly inspections, guarantees that consumers are charged the accurate price for their purchases, providing a sense of security about the accuracy of the measurements.

PRICE & QUANTITY VERIFICATION PROGRAM

Price verification inspections are carried out to confirm that advertised prices, item displays, and items for sale are accurate. Packaged inspections are also conducted to ensure that the stated net content of packaged goods sold to consumers is correct. In

the event of non-compliance, inspectors ensure that stores implement corrective measures promptly. These measures may include correcting prices or labels or removing packaged products with inaccurate net content from the shelves.

PETROLEUM PROGRAM

County inspectors conduct comprehensive petroleum inspections to ensure the high quality of automotive products, such as gasoline, oxygenated blends, diesel fuel, motor oil, and brake fluid. As part of these inspections, fuel samples are taken and tested to verify compliance with the required quality standards. The division also monitors the advertising and labeling of these products to ensure conformity with regulations.

COMPLAINT INVESTIGATIONS

The Division of Weights & Measures is committed to promptly investigating consumer complaints, which may include potential overcharges for gasoline at fuel stations, incorrect price advertising at retail establishments, potential weight discrepancies of products purchased over the counter at the meat market, or underpayment for aluminum cans at recycling facilities. This swift response ensures that consumer concerns are taken seriously and addressed in a timely manner, fostering trust and reliability in the Weights and Measures operations.

Inspections



12,256

TOTAL INSPECTIONS

93.3% COMPLIANCE

1,429

COMPUTING SCALES

94.5% COMPLIANCE



70

HANGING SCALES

97% COMPLIANCE



31

LIVESTOCK SCALES

93.5% COMPLIANCE



333

VEHICLE SCALES

89.2% COMPLIANCE



80

ODOMETER

100% COMPLIANCE



6,476

RETAIL MOTOR FUEL DISPENSERS

93.6% COMPLIANCE



8

RAILROAD SCALES

100% COMPLIANCE



AGRICULTURAL FACTS

7TH IN CALIFORNIA AND THE U.S. FOR GROSS VALUE OF AG PRODUCTION! ²

1ST IN CA IN 2022 FOR OVERALL PRODUCTION OF ³:

CHERRIES 51.4% **WATERMELONS 36.7%** **BLUEBERRIES 25.2%**
CHICKEN EGGS 22.3% **WALNUTS 22.3%**

Stockton

COUNTY SEAT

2,948

TOTAL NUMBER OF FARMS

800,965¹

COUNTY POPULATION
2023 Census Estimate

891,008

TOTAL NUMBER OF ACRES

INCORPORATED CITIES

Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy

3,065 FT.

Above Sea Level in Southwest Hills

HIGHEST ELEVATION

UNINCORPORATED CITIES

Acampo, Clements, Collierville, Farmington, French Camp, Linden, Lockeford, Morada, Mountain House, Thornton, Victor, Waterloo, Woodbridge

12 FT.

Below Sea Level in the Delta Area

LOWEST ELEVATION

PORT OF STOCKTON FACTS*

>95%

OF THE FERTILIZER USED TO GROW CENTRAL VALLEY CROPS
comes through the Port of Stockton

26%

OF PORT'S TOTAL TONNAGE MADE UP OF AGRICULTURE

10,077

TOTAL NUMBER OF JOBS
the Port Provides

\$1.6 Billion

TOTAL IMPACTS
plus related impacts supported in the region

4.3 Million

METRIC TONS HANDLED IN 2023

¹US Census Bureau ²CDFA Planting Seeds Blog ³California Agricultural statistics Review 2022-2023. *Information courtesy of Kirk DeJesus, Port Director



Brandon Nakagawa

Water Resources Coordinator

South San Joaquin Irrigation District (SSJID)

In my experience, water in San Joaquin County is so complex likely due to its geographic location in the middle of California where its cities have some of the highest rates of urban development in California. San Joaquin County is not quite the Sacramento Metropolitan Area nor the San Francisco Bay Area. It's smack dab in between the Sacramento and San Joaquin Valleys. **Much of the water that flows through the County is exported by the State and Federal Water Projects. It has been said that San Joaquin County truly is at the cross-roads of California Water.**

I have been fortunate to work with representatives from local cities, water and irrigation districts, and reclamation districts who took the time to help me understand their perspectives on water. Many times, farmers have been the most well-studied and wisest advisors of all. Farmers in particular have had to be innovative to overcome the many challenges of being successful in California.



Alex Perez

Apiarist, Alex's Family Bee Farm

I grew up working around bees with my father. As an adult I worked in construction for a long time before my brother asked me why I didn't get back into beekeeping. It was very hard to start, paying for everything out of my own pocket. I worked for 6 years doing both construction and beekeeping to get my beekeeping business off the ground. Now I have 2,000 beehives all over California and many employees that help me.

Bees need agriculture just as much as the agriculture needs bees. A bee's activity is directly linked with the quality of life of the plants. Cherries, watermelon, pumpkin, and a host of other crops benefit from the addition of bees. **When we add bees to the farmer's field, they can get 3-4 times the produce than if they did not involve bees. This means more jobs for beekeepers and more money for farmers.**

As a beekeeper, I do not have a regular workday. My life revolves around these bees, and I do a lot to ensure a consistent income. I track the growing seasons for all the crops and can work year-round by moving my bees all around the state. I can work every day for 3 weeks straight and drive all over the state to ensure the bees are healthy by moving them to different climates to avoid the worst of the weather. I drive 100,000 miles a year to access all my hives. I'm also not just a beekeeper for my business. I am a carpenter one day, the next day a painter, a mechanic, the list goes on.



STAFF

AGRICULTURAL COMMISSIONER/SEALER

Kamaljit Bagri

ASSISTANT AGRICULTURAL COMMISSIONER/SEALER

Vacant

DEPUTY AGRICULTURAL COMMISSIONER

Pesticide Use Enforcement Program

Jatinder Gill

DEPUTY AGRICULTURAL COMMISSIONER

Pest Detection Program

Kimberly Martin

DEPUTY AGRICULTURAL COMMISSIONER

Pest Exclusion Program

Omar Luna

DEPUTY AGRICULTURAL COMMISSIONER

Export Certification Program

Robert Pelletier

DEPUTY SEALER OF WEIGHTS AND MEASURES

Agustin Diaz

SENIOR AGRICULTURAL BIOLOGISTS

Erik Baxter & Raung Long

AGRICULTURAL BIOLOGIST/STANDARDS INSPECTORS

I. Israel Arambula, Anjana Ram Chandran, Myrna Gutierrez, Cheyenne Lewis, Hayden Lewis, Dipali Majumder, Mihir Mandal, Amarjit Nijjar, Maria Oropeza Rodriguez, Patricia Perez, Vearsna Roem, Gloria Zaragoza

II. Brendt Boyer, Alexandra Hara, Miles Lugo, Jordan McCain, Elena Perez Razon

III. Humberto Castro, Ben Delph, Joshua Hanson, Matt Hoekman, Arif Kever

IV. Harrison McDowall, Rod Saiki

ACCOUNTANT III

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INFORMATION SYSTEMS ANALYST III

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AGRICULTURAL & STANDARDS TECHNICIAN

Caroline Medeiros

AGRICULTURE & STANDARDS PROGRAM AIDES

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MANAGEMENT ANALYST III

Patricia Lord

SENIOR OFFICE ASSISTANT

Bradley Martinez, Laura Nunes, Jerry Ocampo

ACCOUNT TECHNICIAN II

Hiromi Hernandez

OFFICE TECHNICIAN COORDINATOR

Monica Hernandez



AgVenture Program

AgVenture is a free County-sponsored program that seeks to inform and educate youth about agriculture, healthy-living, and local agricultural commodities.

UPCOMING AGVENTURE FIELD DAYS

MANTECA Tues, Oct. 19, 2024 ★ **STOCKTON** Wed., Jan 29, 2025

LODI Thur. March 6, 2025 ★ **TRACY** Wed., April 9, 2025

FOR DETAILS VISIT:



<https://www.sjcagventure.com>

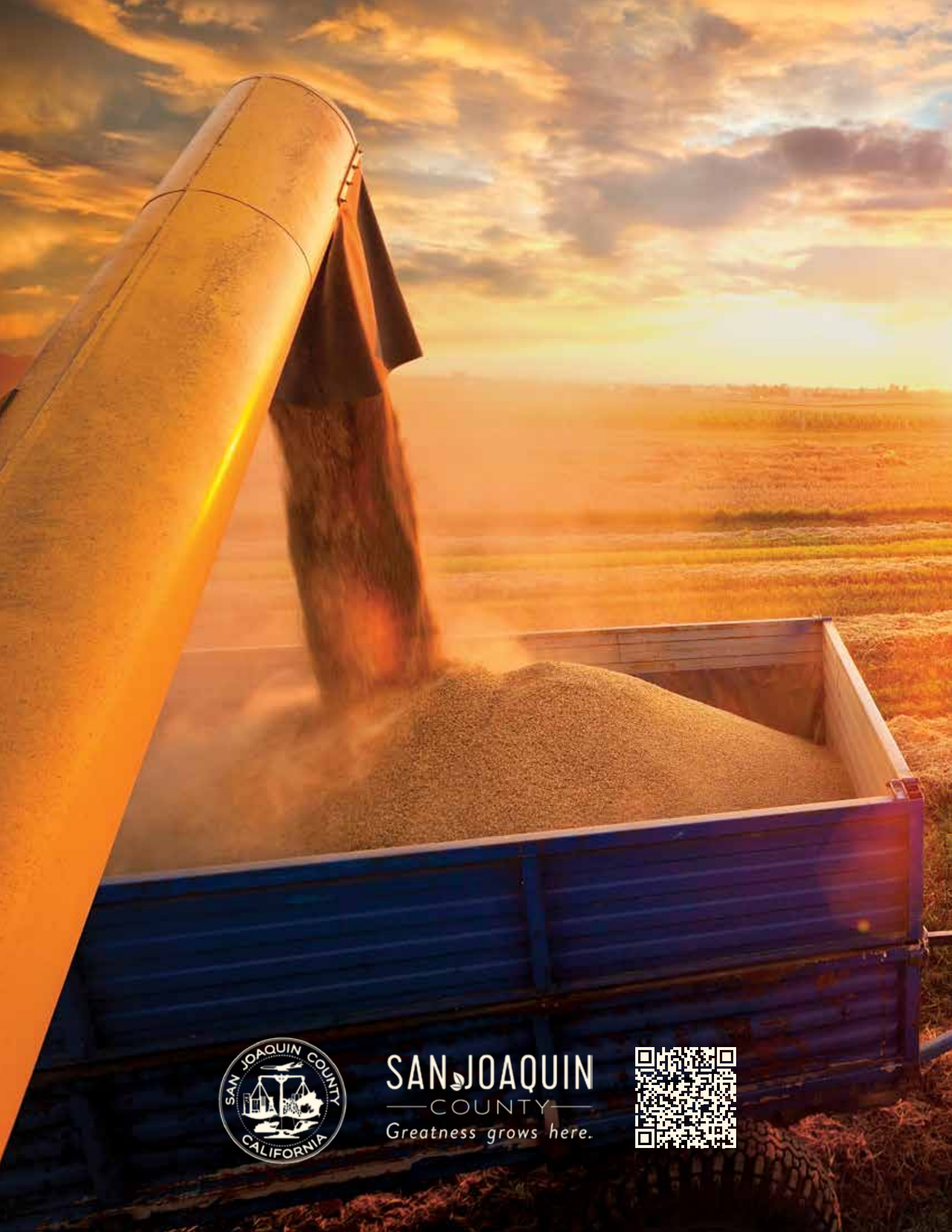


SAN JOAQUIN COUNTY AGRICULTURAL COMMISSIONER STAFF

In Partnership With

Almond Alliance of California, American Ag Credit, California Cherry Board, California Walnut Board, Lodi Winegrape Commission, Lodi District Grape Growers Association, San Joaquin County Cooperative Extension, San Joaquin Delta College Students, San Joaquin Farm Bureau Federation





SAN JOAQUIN
— COUNTY —
Greatness grows here.

