

A photograph of various fresh produce in blue crates. The top half of the image shows a large quantity of ripe peaches in a blue crate. Below the peaches, there are two more blue crates: one on the left containing several ears of green corn, and one on the right containing a large quantity of bright orange citrus fruits, likely oranges. In the foreground, there are two more blue crates: one on the left containing several heads of garlic, and one on the right containing several large, light-colored onions. The background is slightly blurred, showing more produce and a green sign on a wooden post.

**Kings County
Department of Agriculture
2021 Crop Report**

COVER STORY

Farmers Markets furnish consumers the ability to access fresh, local produce and support the local economy by allowing growers a direct route to customers. They are a staple in many communities, but before 1977, other than at the farm site, most farmers did not sell the fresh fruits, nuts and vegetables grown directly to customers as regulations required farmers to properly pack, size, and label many of their commodities in standard containers. After a strike in 1976, California's Governor signed an executive order that would eventually bring rise to Certified Farmers Markets and Direct Marketing.

The California Legislature was the first to establish minimum standards for all fresh fruits, nuts and vegetables in 1915. The goals of Standardization are to remove fruits and vegetables not complying with minimum standards from the channels of trade, to assure consumers that they are purchasing commodities at a level of acceptable quality, and to protect and promote the fruit, nut and vegetable industries in California. This is one reason why California leads the nation in supplying the world with the highest quality fresh fruits, nuts and vegetables. Have you heard of or seen "California Grown", a slogan displayed on containers, packaging and fresh products? This phrase invokes the image of hard working California farmers producing the highest quality product possible and connects consumers to the people who grow their food.

The standardization regulations limited many growers who were unable to afford commercial processing and packing. Growers struggled to get their commodities to consumers and there were efforts to streamline the process. In 1976, a strike of canneries closed 76 California canning plants during the height of the summer harvest season. It was one of the costliest agricultural strikes in the state's history. During the strike, growers petitioned the Governor and an executive order was signed developing the Direct Marketing Code so growers could sell directly to the public.

Direct Marketing and Farmers Markets were born through an exemption created to the California Department of Food and Agriculture's commodity standardization regulations. Direct Marketing through Certified Farmers Markets provide growers an alternative market in which to sell their commodities. This allows producers a direct route to consumers within their own communities where tree and vine ripe produce is high in demand, eliminates commercial preparation costs, and provides access to immediate cash payment. Consumers are able to purchase farm fresh fruits, vegetables, and specialty crops directly from family farms strengthening the local economy. California's Direct Marketing is truly the essence of farm to table with approximately 750 Certified Farmers Markets and around 2,700 certified producers throughout the state. Growers are creating ties with their communities, and consumers are embracing the idea of buying and eating locally grown commodities.

Kings County is home to approximately 25 Certified Farmers Market participants, producing in excess of 100 different commodities taken to Farmers Markets all over the state. Several of our local vendors have been in the Direct Marketing business for generations and pride themselves on garnering those intimate relationships with customers that big commercial markets cannot replicate. Great pride can be found at each of these stands, proudly displaying "We grow what we sell" along with their Farmers Market Certification. Local growers throughout Kings County grow everything from apricots to walnuts, along with inedible items like loofah and cut flowers.

Thanks to Farmers Markets, we are able to enjoy a true "Farm to Table" experience. Next time you come across a Farmers Market or roadside produce stand, stop by, look, and meet the person who helps to grow your food. Chances are you will like what you see or more importantly, what you taste!



Department of Agriculture / Measurement Standards

JIMMY HOOK
Agricultural Commissioner
Sealer of Weights and Measures

October 4, 2022

Secretary Karen Ross
California Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Kings, California

It is my privilege to submit to you the 2021 Annual Agricultural Crop Report for the County of Kings. This report contains statistical information on the acreage, yield and gross values in accordance with Sections 2272 and 2279 of the California Food and Agricultural Code. The numbers in this report are gross values and do not represent net income or loss to producers.

The gross value of all agricultural crops and products produced during 2021 in Kings County was \$2,343,144,000. This represents an increase of \$163,668,000 (7.5%) from the 2020 value.

Fruit and Nut Crops had the largest increase in value at \$83,566,000 (12.9%) due to an increase in bearing acreage, production and higher prices of almonds and pistachios. Field Crops increased \$41,026,000 (10.6%) due largely to higher prices. Livestock and Poultry Products increased in value \$30,608,000 (4.4%) due primarily to an increase in prices. Apiary products increased \$3,261,000 (19.9%) due to an increase in acreage pollinated. Livestock and Poultry increased \$10,873,000 (4.9%) due primarily to higher prices.

Seed Crops had the largest decrease in value at \$5,059,000 (45.9%) due primarily to lower harvested acres and Vegetable crops had no significant change.

Milk continues to be the top commodity with a value of \$722,744,000 in 2021.

My thanks and appreciation is extended to the many producers and organizations who contributed information for this report. This report was compiled and prepared by Shanna Robbins, Agricultural and Standards Inspector, Mario Gutierrez, Deputy Agricultural Commissioner/Sealer, and special thanks to Retired Deputy Agriculture Commissioner/Sealer Steven Schweizer for his contributions prior to his retirement.

Respectfully Submitted,

Jimmy Hook

DEDICATION



STEVE SCHWEIZER

Steve Schweizer gave Kings County 33 years of service beginning on January 25, 1988 as an Agricultural and Standards Inspector. On April 14, 1997, he reluctantly accepted a promotion to Deputy Agricultural-Sealer. In this capacity, he supervised the Pesticide Use Enforcement Division and managed the implementation of the new Worker Protection Standard Regulations. Steve also supervised the Fruit and Vegetable Standardization, Certified Farmers Market, Vertebrate and Noxious Weed Programs. He oversaw the Weights and Measures Division and was responsible for the county's annual crop report. Steve serviced the industry in many ways by speaking at seminars, with teachers participating in Ag in the Classroom programs and provided trustworthy outreach to the public.

He is known as an athlete, was the first league wrestling champion for Lemoore High School, played College baseball, coached high school baseball, little league teams to the cusp of the Little League World Series, and enjoys backpacking and fishing.

Steve was steadfast in maintaining office policy, considered a mentor, disseminated wise advice, and was the voice of reason. The Kings County Agricultural Department staff wish Steve all the best for a happy retirement after years of commitment to the industry, community and Department. It is our pleasure to dedicate the 2021 Kings County Crop Report to Steven J. Schweizer.

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COUNTY ADMINISTRATION

AG COMMISSIONER – SEALER PERSONNEL

County Administrative Officer

Edward Hill

Kings County Board of Supervisors

Joe A. Neves	District I	Richard Valle	District II
Doug Verboon	District III	Craig Pedersen	District IV
Richard Fagundes		District V	

Agricultural Commissioner - Sealer Weights and Measures

Jimmy Hook

Deputy Agricultural Commissioner - Sealers

Janet Eddles Mario Gutierrez Lynda Schrumpf

Agriculture and Standards Inspectors

Randall Bray Aaron Brown Brent Dragomanovich Luis Gutierrez

Robert Lineaweaver Celso Maya-Gaona Bruce Perez Jason Perez Rafael Perla

Vincent Quinn Shanna Robbins Alejandro Rosales Robert Torrez

Agriculture and Standards Aides

Andrew Larson Garrett Roe

Executive Secretary

Jennifer Rios

Account Clerk

Julie Henderson

Office Assistants

Chelsey Huckabay

Janet Trujillo

FIELD CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Alfalfa, Hay	2021	22,399	8.28	185,464	Ton	\$248.00	\$45,995,000
	2020	26,009	8.14	211,713	Ton	\$189.00	\$40,014,000
Barley, Silage	2021	450	15.83	7,124	Ton	\$50.00	\$356,000
	2020	5,265	15.92	83,819	Ton	\$39.30	\$3,294,000
Corn, Silage	2021	45,013	25.31	1,139,279	Ton	\$69.60	\$79,294,000
	2020	51,604	26.36	1,360,281	Ton	\$51.30	\$69,782,000
Cotton, Acala- Lint a/	2021	7,385	3.69	27,251	Bale	\$534.00	\$14,552,000
	2020	9,513	3.72	35,388	Bale	\$343.00	\$12,138,000
Cotton, Acala- Seed	2021			11,241	Ton	\$436.00	\$4,901,000
	2020			14,598	Ton	\$270.00	\$3,941,000
Cotton, Pima- Lint a/	2021	37,561	3.27	122,824	Bale	\$1,218.00	\$149,600,000
	2020	79,600	3.34	265,864	Bale	\$561.00	\$149,150,000
Cotton, Pima- Seed	2021			50,665	Ton	\$415.00	\$21,026,000
	2020			109,669	Ton	\$275.00	\$30,159,000
Oat, Hay	2021	1,263	1.96	2,475	Ton	\$154.00	\$381,000
	2020	1,880	3.66	6,881	Ton	\$91.00	\$626,000
Oat, Silage	2021	1,234	10.70	13,204	Ton	\$30.00	\$396,000
	2020	540	20.32	10,973	Ton	\$35.50	\$390,000
Pasture Range	2021	338,243				\$27.06	\$9,153,000
	2020	333,135				\$12.80	\$4,264,000
Sorghum, Silage	2021	9,676	19.97	193,230	Ton	\$56.00	\$10,821,000
	2020	14,796	19.38	286,746	Ton	\$39.00	\$11,183,000
Triticale, Grain	2021	1,747	3.97	6,936	Ton	\$240.00	\$1,665,000
	2020	3,211	3.78	12,138	Ton	\$235.00	\$2,852,000
Triticale, Silage	2021	14,206	19.31	274,318	Ton	\$51.00	\$13,990,000
	2020	5,287	18.28	96,646	Ton	\$38.40	\$3,711,000
Wheat, Grain	2021	6,700	3.80	25,460	Ton	\$233.00	\$5,932,000
	2021	12,884	1.67	21,516	Ton	\$192.00	\$4,131,000

FIELD CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Wheat, Hay	2021	1,303	5.84	7,610	Ton	\$146.00	\$1,111,000
	2020	1,331	3.61	4,805	Ton	\$128.00	\$615,000
Wheat, Silage	2021	37,276	21.12	787,269	Ton	\$52.20	\$41,095,000
	2020	45,425	17.50	794,938	Ton	\$38.60	\$30,685,000
Other b/	2021	43,504					\$28,707,000
	2020	35,127					\$21,014,000
Total	2021	567,960					\$428,975,000
	2020	625,607					\$387,949,000

a/ 495 lbs. = 1 bale

b/ Includes alfalfa silage, alfalfa stubble, barley grain, barley hay, corn grain, corn human consumption, forage, hay other, industrial hemp, pasture irrigated, ryegrass, safflower, sorghum milo, sudan hay, sudan silage, and wheat straw.

SEED CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Seed Crops a/	2021	5,754			Lbs		\$5,957,000
	2020	14,800			Lbs		\$11,016,000
TOTAL	2021	5,754					\$5,957,000
	2020	14,800					\$11,016,000

a/ Includes alfalfa (certified), asparagus, cotton (certified), lettuce, onion, triticale (certified), and wheat (certified).

Kings County is ranked:*

- **8th** among California counties in overall agricultural production.
- **1st** among California counties in cotton lint and cottonseed production.
- **3rd** among California counties in nectarine, plum and tomatoes (processing) production.
- **4th** among California counties in the production of milk & cream, silage, apricots, and peaches.
- **5th** among California counties in pistachio and cherry production.

*Information is based on 2020 County Agricultural Commissioners' Crop Reports

FRUIT & NUT CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Almonds	2021	37,147	1.20	44,576	Ton	\$4,010.00	\$178,750,000
	2020	33,433	1.21	40,454	Ton	\$3,510.00	\$141,994,000
Almond Hulls	2021			89,152	Ton	\$130.00	\$11,590,000
	2020			80,908	Ton	\$80.00	\$6,473,000
Almond Shells	2021			22,288	Ton	\$15.00	\$334,000
	2020			20,227	Ton	\$8.50	\$172,000
Apricots	2021	513	12.71	6,520	Ton	\$1,440.00	\$9,389,000
	2020	720	7.00	5,040	Ton	\$1,250.00	\$6,300,000
Cherries	2021	2,061	3.80	7,832	Ton	\$3,690.00	\$28,900,000
	2020	1,817	3.33	6,051	Ton	\$5,240.00	\$31,707,000
Grapes, Raisin	2021	1,847	2.33	4,304	Ton	\$1,680.00	\$7,231,000
	2020	1,869	3.99	7,457	Ton	\$1,300.00	\$9,694,000
Grapes, Table	2021	672	14.90	10,013	Ton	\$1,560.00	\$15,620,000
	2020	644	14.46	9,312	Ton	\$1,500.00	\$13,968,000
Grapes, Wine	2021	3,558	15.07	53,619	Ton	\$312.00	\$16,729,000
	2020	3,591	16.45	59,072	Ton	\$287.00	\$16,954,000
Grapes, Total	2021	6,077					\$39,580,000
	2020	6,104					\$40,616,000
Nectarines	2021	1,120	12.18	13,642	Ton	\$1,350.00	\$18,417,000
	2020	1,185	11.25	13,331	Ton	\$1,410.00	\$18,797,000
Peaches, Cling	2021	816	17.62	14,378	Ton	\$510.00	\$7,333,000
	2020	1,071	17.88	19,149	Ton	\$500.00	\$9,575,000
Peaches, Freestone	2021	1,597	12.58	20,090	Ton	\$1,230.00	\$24,711,000
	2020	1,695	11.84	20,069	Ton	\$1,340.00	\$26,892,000
Peaches, Total	2021	2,413					\$32,044,000
	2020	2,766					\$36,467,000
Pistachios	2021	40,316	1.50	60,474	Ton	\$4,430.00	\$267,900,000
	2020	32,937	1.64	54,017	Ton	\$3,970.00	\$214,447,000
Plums	2021	1,608	12.59	20,245	Ton	\$1,440.00	\$29,153,000
	2020	1,567	9.49	14,871	Ton	\$1,490.00	\$22,158,000

FRUIT & NUT CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Walnuts	2021	17,872	1.99	35,565	Ton	\$1,740.00	\$61,883,000
	2020	18,165	2.16	39,236	Ton	\$1,300.00	\$51,007,000
Other a/	2021	6,140					\$54,293,000
	2020	5,485					\$78,529,000
TOTAL	2021	115,267					\$732,233,000
	2020	104,179					\$648,667,000

a/ Includes apples, asian pears, berries other, blackberries, blueberries, cherry plums, figs, firewood, grapefruit, kiwifruit, lemons, olives, oranges, pecans, persimmons, pluots, pomegranates, quince, strawberries, and tangerines.

ORGANIC PRODUCTION

Working in conjunction with agencies such as the California Department of Health, Department of Pesticide Regulation, Department of Justice, National Organic Program and other accrediting agencies, the California State Organic Program aims to ensure the compliance and integrity of the organic program. Kings County has a total of over 58,000 registered organic acres growing a wide variety of crops. The county has over 40 organic registrants including producers, processors, and handlers.

When producers use the organic label, it means they ensured no prohibited substances are applied. The label also means the producer is a good steward of the land, implementing practices to replenish nutrients into the ground as well as managing soil erosion. The label is a coveted badge because it conveys great care has been taken in the growth, harvest, and packing process of the commodity. Consumers know they can confidently purchase organic products bearing the organic label.



VEGETABLE CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Tomatoes, Processed	2021	30,247	50.30	1,521,424	Ton	\$84.60	\$128,712,000
	2020	29,591	53.82	1,592,588	Ton	\$79.20	\$126,133,000
Other	a/ 2021	7,655			Ton		\$59,835,000
	2020	7,924			Ton		\$63,021,000
TOTAL	2021	37,902			Ton		\$188,547,000
	2020	37,515			Ton		\$189,154,000

a/ Includes bell peppers, cantaloupe, carrots, corn sweet, garlic fresh, garlic processed, melons misc., onions fresh, onions processed, parsley, pumpkins, radicchio, tomatoes fresh, transplants, and watermelons.

APIARY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Honey	2021	606,369	Lb.	\$2.75	\$1,668,000
	2020	846,500	Lb.	\$1.92	\$1,625,000
Beeswax	2021	8,253	Colonies	\$3.25	\$26,800
	2020	5,300	Colonies	\$2.67	\$14,200
Pollination, Seed Alfalfa	2021	800	Colonies	\$60.00	\$48,000
	2020	1,416	Colonies	\$60.00	\$85,000
Pollination, Tree Fruit & Nuts a/	2021	91,871	Colonies	\$193.58	\$17,785,000
	2020	74,612	Colonies	\$194.23	\$14,492,000
Pollination, Melons	2021	522	Colonies	\$37.50	\$19,600
	2020	842	Colonies	\$38.00	\$32,000
Pollination, Vegetable Seed	2021	1,000	Colonies	\$75.00	\$75,000
	2020	1,500	Colonies	\$75.00	\$113,000
TOTAL	2021				\$19,622,000
	2020				\$16,361,000

a/ Includes almonds, cherries, kiwis, pluots, plums, and pomegranates.

LIVESTOCK & POULTRY PRODUCTS

	Year	Total Production	Unit	Value Per Unit	Total Value
Manure	2021	880,954	Ton	\$5.40	\$4,757,000
	2020	640,609	Ton	\$4.10	\$2,626,000
Milk	2021	37,840,000	Cwt.	\$19.10	\$722,744,000
	2020	37,330,000	Cwt.	\$18.60	\$694,338,000
Milk, Goats	2021	136,430	Cwt.	\$45.20	\$6,167,000
	2020	140,152	Cwt.	\$43.40	\$6,083,000
Milk, Total	2021	37,976,430	Cwt.		\$728,911,000
	2020	37,470,152	Cwt.		\$700,421,000
Wool	a/ 2021	117,058	Lb.	\$2.37	\$277,000
	2020	118,240	Lb.	\$2.45	\$290,000
Total	2021				\$733,945,000
	2020				\$703,337,000

a/ Price does not include wool incentive.

INVENTORIES OF LIVESTOCK & POULTRY

Item	December 2021 Number of Head	December 2020 Number of Head
Cattle & Calves		
All	325,000	325,000
Dairy Cows 2 Years & Over	170,000	170,000
Cattle & Calves on Feed	4,200	4,200
Other	150,800	150,800
Sheep & Lambs	14,849	16,955
Goats	13,910	14,900
Hogs & Pigs	68	50
Turkeys	493,630	493,620

LIVESTOCK & POULTRY

Item	Year	Number of Head	Unit	Value Per Unit	Total
Cattle & Calves	2021	202,992	Head	\$847.97	\$172,131,000
	2020	202,936	Head	\$802.00	\$162,755,000
Poultry a/	2021	9,945,254	Lb.		\$61,423,000
	2020	9,944,692	Lb.		\$59,772,000
Other b/	2021	2,177			\$3,111,000
	2020	4,750			\$465,000
TOTAL	2021				\$233,865,000
	2020				\$222,992,000

a/ Includes chickens, ducks, and turkeys.

b/ Includes goats, hogs, pigs, and sheep.

FIVE YEAR COMPARISON OF ACREAGE AND CROP VALUES

	2021	2020	2019	2018	2017
Apiary Products	\$19,622,000	\$16,361,000	\$13,912,000	\$14,897,000	\$15,637,000
Field Crops Acreage	\$428,975,000 567,960	\$387,949,000 625,607	\$465,422,000 680,810	\$475,932,000 662,935	\$392,836,000 625,933
Fruit & Nut Crops Acreage	\$732,233,000 115,267	\$648,667,000 104,179	\$644,224,000 98,053	\$600,579,000 93,916	\$513,212,000 88,435
Livestock & Poultry	\$233,865,000	\$222,992,000	\$262,012,000	\$281,903,000	270,313,000
Livestock & Poultry Products	\$733,945,000	\$703,337,000	\$607,837,000	\$680,519,000	\$680,145,000
Seed Crops Acreage	\$5,957,000 5,754	\$11,016,000 14,800	\$13,637,000 17,196	\$11,731,000 13,148	\$6,622,000 112,732
Vegetable Crops Acreage	\$188,547,000 37,902	\$189,154,000 37,515	\$180,649,000 35,749	\$215,114,000 40,507	\$179,650,000 36,011
TOTAL	\$2,343,144,000	\$2,179,476,000	\$2,187,693,000	\$2,280,675,000	\$2,058,415,000

TOP 10 COMMODITIES

Crop	2021 Rank	Dollar Value	2020 Rank	2019 Rank	1971 Rank
Milk, Total	1	\$722,744,000	1	1	2
Pistachios	2	\$267,900,000	2	2	N/A
Almonds, Total	3	\$190,674,000	5	5	36
Cotton, Total	4	\$190,079,000	3	4	1
Cattle & Calves	5	\$172,131,000	4	3	3
Tomatoes, Processed	6	\$128,712,000	6	6	N/A
Corn, Silage	7	\$79,294,000	7	8	22
Walnuts	8	\$61,883,000	9	9	16
Livestock, Poultry	9	\$61,423,000	8	7	7
Alfalfa, Hay	10	\$45,995,000	10	10	5

WEIGHT & MEASUREMENT STANDARDS

In 2021, the Kings County Department of Measurement Standards recorded the following number of commercial weighing and measuring devices registered in the county.

Most of these devices are inspected annually, or in the case of water, vapor and electric submeters, once every ten years.

In 2021 Kings County had 2,017 devices subject to inspection including:

- 1,638 retail motor fuel meters representing 64 gas stations
- 126 mobile home park submeters
- 92 vehicle scales
- 18 livestock & animal scales
- 143 miscellaneous weighing and measuring devices





1971 - A LOOK BACK 50 YEARS AGO KINGS COUNTY'S TOP 10 COMMODITIES

Crop	Rank	Dollar Value
Cotton	1	\$28,609,000
Milk	2	\$29,911,000
Cattle & Calves	3	\$18,542,000
Barley	4	\$12,668,000
Alfalfa Hay	5	\$11,143,000
Safflower	6	\$7,932,000
Corn	7	\$3,270,000
Sugar Beets	8	\$2,476,000
Wheat	9	\$2,348,000
Vegetables, Misc	10	\$2,338,000
	Total	\$119,237,000

LAND USE

Surrounding Counties	2020 Rank	2020 Gross Value	Total County Area Acres	Value Per Acre	Top Commodity	2020 Gross Value*
Fresno	1	\$7,963,487,000	5,166,720	\$1541	Almonds	\$1,197,592
Kern	2	\$7,579,424,000	3,112,320	\$2435	Grapes, Table	\$1,296,853
Tulare	3	\$7,252,374,000	3,840,000	\$1888	Milk	\$1,866,696
Monterey	4	\$4,016,904,000	2,217,359	\$1811	Strawberries	\$912,600
Kings	8	\$2,242,497,000	890,545	\$2518	Milk	\$694,338

*Based on 2020 Crop Report Data

LAND USE SUMMARY

Land Use Category	2018		2016		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	107,913	12%	110,915	12%	4,486
Farmland of Statewide Importance	320,053	36%	339,022	38%	22,019
Unique Farmland	20,531	2%	18,919	2%	2,134
Farmland of Local Importance	10,534	1%	10,987	1%	573
Grazing Land	358,341	40%	338,244	38%	28,103
Urban and Built-Up Land	39,428	4%	40,075	4%	1,251
Other Land	33,940	4%	32,578	4%	1,362
Water Area	62	0%	62	0%	0
Total Acres	890,802		890,802		

SUSTAINABLE AGRICULTURE REPORT

County Pest Eradication

<i>Pest</i>	<i>Agent/Mechanism</i>	<i>Scope of Program</i>
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	42,523 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	309 Sites Treated



<i>Pest</i>	<i>Number of Traps</i>	<i>Number of Servicings</i>	<i>Type of Trap</i>
All Purpose Fruit Fly	116	1,030	Champ
Asian Citrus Psyllid	272	4,007	Yellow Panel
European Corn Borer	13	130	Pherocon II
European Grape Vine Moth	501	4374	Delta
European Pine Shoot Moth	5	12	Pherocon II
Glassy-Winged Sharpshooter	173	863	Yellow Panel
Spongy Moth	76	561	Delta
Japanese Beetle	76	561	Japanese Beetle
Light Brown Apple Moth	152	810	Jackson
Mediterranean Fruit Fly	152	2,093	Jackson
Melon Fly	152	656	Jackson
Mexican Fruit Fly	98	2,351	McPhail
Oriental Fruit Fly	152	1,983	Jackson
TOTAL	1,952	24,250	

SUSTAINABLE AGRICULTURE REPORT

County Biological Control

<i>Pest</i>	<i>Agent/ Mechanism</i>	<i>Scope of Program</i>
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lupriformis</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Microlarinus lareynil</u>	Generally Distributed
	Seed Head Weevil <u>Bangastemus orientalis</u>	Generally Distributed
	Gall Fly <u>Urophora sirunaseva</u>	
	Hairy Weevil <u>Eustenopus villosus</u>	Generally Distributed
Ash Whitefly <u>Sipohonus phillyreae</u>	Parastic Wasp <u>Encarsia partenopea</u>	Generally Distributed
Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Pasrasitic Wasp <u>Psyllaphagus bliteus</u>	Generally Distributed
Russian Knapweed <u>Acroptilon repens</u>	Russian Knapweed Gail Wasp <u>Aulacidea acroptilonica</u>	Limited Distribution Introduced in 2019
Silverleaf Whitefly <u>Bemisia argentifolii</u>	Parasitic Wasp <u>Eretmocerus sp. (M95104)</u>	Generally Distributed

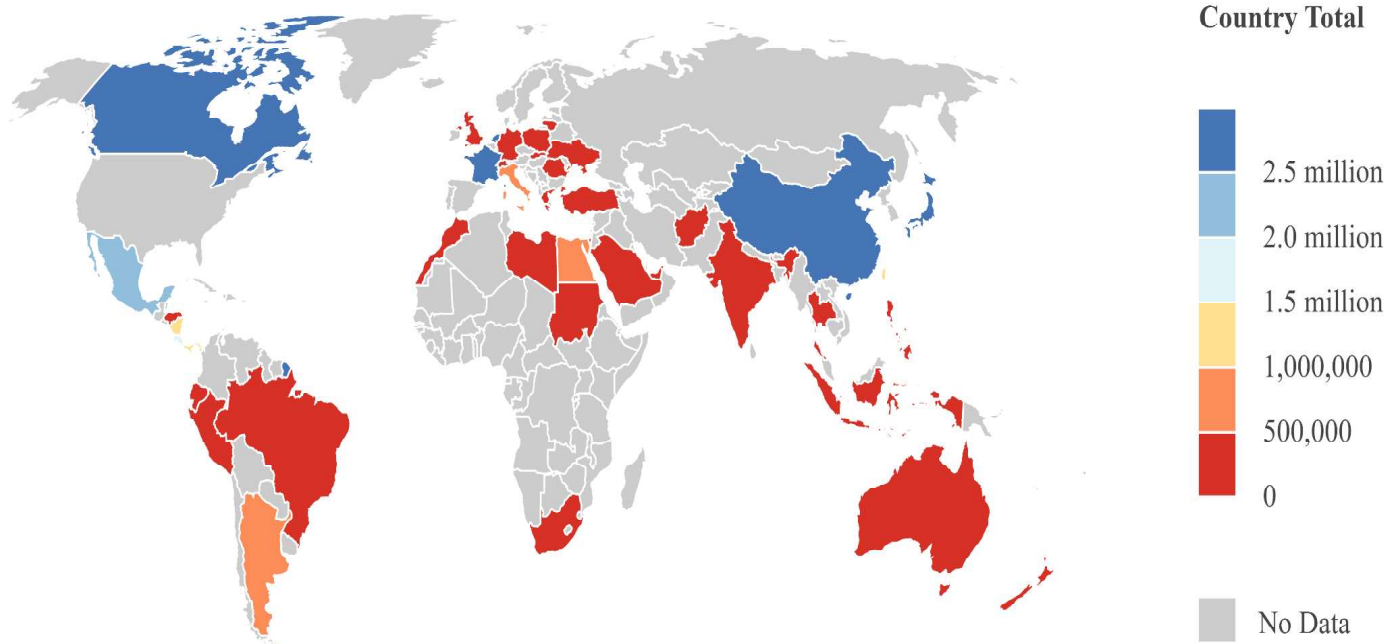
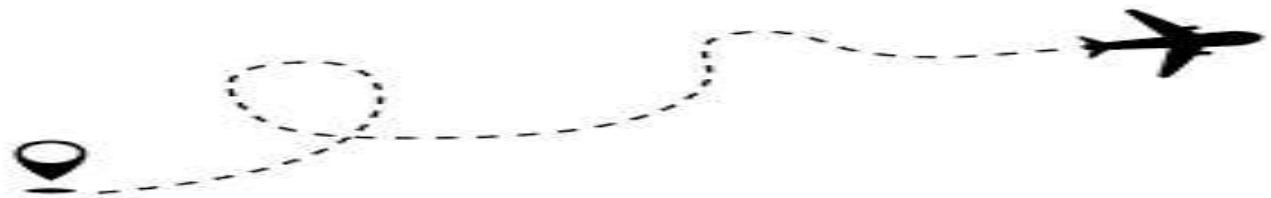
County Pest Exclusion

<i>Pest</i>	<i>Agent/ Mechanism</i>	<i>Scope of Program</i>
Glassy Winged Sharpshooter	Nursery/Citrus Inspections	790 Shipments Inspected
Spongy Moth Lymantria Dispar	Household Goods Shipments	6 Shipments Inspected
Various Pests	Truck Shipments	903 Units Inspected

<i>Crops</i>	<i>Activity</i>	<i>Scope of Program</i>
Export Commodities	Phytosanitary Certification	1,788 certificates issued
Export Seed	Field Inspections	135 Sites/126.64 Acres

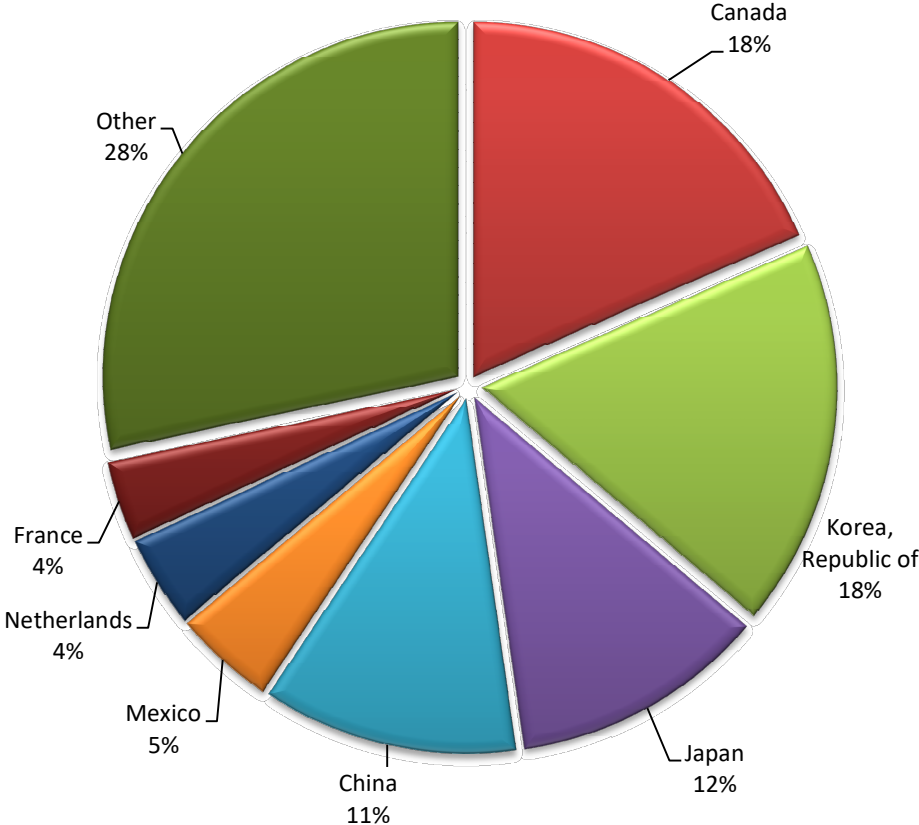
EXPORT & TRADE PARTNERS

- | | | |
|--------------------|--------------------|----------------------|
| Afghanistan | Hong Kong | Philippines |
| Argentina | Indonesia | Poland |
| Australia | India | Romania |
| Brazil | Israel | Saudi Arabia |
| Canada | Italy | Slovakia |
| Chile | Japan | South Africa |
| China | Korea, Republic of | Spain |
| Costa Rica | Libya | Sudan |
| Dominican Republic | Lithuania | Switzerland |
| Ecuador | Luxembourg | Taiwan |
| Egypt | Mexico | Thailand |
| France | Morocco | Türkiye |
| Germany | Netherlands | Ukraine |
| Greece | New Zealand | United Arab Emirates |
| Guatemala | Nicaragua | United Kingdom |
| Honduras | Panama | Vietnam |
| | Peru | |



GLOBAL EXPORT

PERCENTAGE OF TOTAL EXPORT CERTIFICATES ISSUED 2021



COMMODITIES GROWN AND EXPORTED FROM KINGS COUNTY

- | | |
|-------------|---------------|
| Alfalfa | Lemon |
| Almond | Nectarine |
| Apricot | Onion |
| Asian Pear | Orange |
| Asparagus | Peach |
| Blueberry | Pepper |
| Cherry | Persimmon |
| Cherry Plum | Pistachio Nut |
| Clementine | Pluot |
| Cotton | Plum |
| Grape | Pomegranate |
| Grapefruit | Pummelo |
| Kiwi | Sudan Grass |

KINGS COUNTY GENERAL INFORMATION

County Seat	Hanford
County Population (1/1/2020)	155,100*
Population per Square Mile	104.05
Total Assessed Value (2021)	\$11,887,954,557
Land Area (Square Miles)	1,391
Total Acres	890,545*
Total Farmland	817,372**
Public Ownership of Land (Acres - 2008)	
Federal	27,313.76
State	4,015.99
County	1,421.61
Local Agencies	3,587.01

Agricultural production ranked 8th among California counties (based on 2020 total value).

Railroads: Burlington Northern Santa Fe, Union Pacific & San Joaquin Railroad.

Major Roads: Interstate 5, Highway 41, Highway 43, Highway 33 & Highway 198.

Water Sources: Kings River, Tule River, Kaweah River, Kern River, & California Aqueduct.

Elevation: 175 feet above sea level at Tulare Lake to 3473 feet above sea level at the Kings/Monterey County line boundary.

Average length of growing season: 296 days.***

Average climate: 196 sunny clear days, 74 partly cloudy days & 95 cloudy days.

Average date of last spring frost: March 3.***

Average date of first fall frost: November 18.***

*Courtesy of the California Department of Finance (Estimate)

**Courtesy of the California Department of Conservation

***Courtesy of The Old Farmer's Almanac

KINGS COUNTY RAINFALL

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
1971	0.35	0.19	0.23	0.40	1.44	0.00	0.00	0.00	0.04	0.06	0.41	1.87	4.99
1972	0.04	0.35	0.00	0.23	0.00	0.00	0.00	0.00	0.24	0.21	2.90	0.65	4.62
1973	2.44	2.29	2.20	0.12	0.00	0.00	0.00	0.00	0.00	0.76	0.46	0.94	9.21
1974	2.97	0.13	1.75	0.03	0.00	0.00	0.00	0.00	0.00	0.65	0.24	1.40	7.17
1975	0.09	2.26	1.24	0.49	0.00	0.00	0.00	0.00	0.98	0.76	0.05	0.22	6.09
1976	0.00	2.94	0.19	1.47	0.03	0.00	0.00	0.22	1.47	0.00	1.15	0.96	8.43
1977	0.96	0.03	0.43	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.06	2.85	4.40
1978	2.22	5.05	4.12	1.71	0.00	0.07	0.00	0.00	1.10	0.00	0.79	0.50	15.56
1979	1.84	1.61	1.16	0.03	0.00	0.00	0.04	0.00	0.08	0.41	0.62	0.41	6.20
1980	2.90	2.71	1.28	0.05	0.04	0.00	0.00	0.00	0.00	0.09	0.00	0.21	7.28
1981	1.80	0.86	2.10	0.68	0.17	0.00	0.00	0.00	0.00	0.76	1.08	0.29	7.74
1982	0.84	0.33	3.52	1.75	0.00	0.00	0.18	0.00	0.64	1.03	2.15	0.71	11.15
1983	3.74	2.59	3.39	1.63	0.04	0.45	0.00	0.05	0.82	0.43	1.66	1.22	16.02
1984	0.01	0.42	0.27	0.18	0.00	0.00	0.00	0.00	0.01	0.52	1.41	1.66	4.48
1985	0.59	0.61	0.68	0.12	0.01	0.00	0.05	0.00	0.00	0.54	2.11	0.56	5.27
1986	1.46	2.60	3.40	0.45	0.00	0.00	0.00	0.00	0.15	0.00	0.21	0.77	9.04
1987	1.77	2.04	2.02	0.06	0.13	0.00	0.00	0.00	0.00	0.86	0.72	1.74	9.34
1988	1.37	0.40	0.93	2.65	0.07	0.05	0.00	0.00	0.00	0.00	1.33	2.29	9.09
1989	1.02	2.03	0.85	0.02	0.39	0.06	0.00	0.00	0.67	0.32	0.20	0.53	6.09
1990	1.79	1.02	0.30	0.97	0.87	0.00	0.00	0.66	0.00	0.01	0.22	0.09	5.93
1991	0.37	1.32	6.67	0.19	0.66	0.00	0.00	0.00	0.11	0.38	0.14	1.32	11.16
1992	1.40	3.32	0.85	0.10	0.00	0.36	0.01	0.00	0.00	0.58	0.00	2.62	9.24
1993	3.88	2.48	2.16	0.07	0.08	0.00	0.00	0.00	0.24	0.24	0.68	0.66	10.49
1994	1.45	1.02	0.70	0.69	0.00	0.26	0.00	0.00	1.06	0.35	1.54	0.33	7.40
1995	4.70	0.51	4.77	0.65	0.87	0.00	0.00	0.00	0.00	0.00	0.00	1.59	13.09
1996	1.79	2.55	2.15	0.89	0.16	0.00	0.00	0.00	0.00	1.65	0.87	3.03	13.09
1997	3.02	0.12	0.21	0.00	0.00	0.04	0.00	0.00	0.06	0.09	1.96	1.80	7.30
1998	2.00	4.05	2.60	1.68	1.31	0.00	0.00	0.00	0.00	0.68	0.63	0.64	13.59
1999	3.01	0.56	0.43	1.37	0.00	0.44	0.00	0.00	0.00	0.15	0.00	0.00	5.96
2000	1.08	3.28	1.59	0.97	0.48	0.00	0.00	0.00	0.03	1.31	0.00	0.03	8.77
2001	1.98	1.48	1.24	1.12	0.00	0.35	0.09	0.00	0.00	0.18	1.84	1.99	10.27
2002	0.87	0.31	1.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	1.42	1.14	4.82
2003	0.25	1.13	1.05	1.67	0.67	0.82	0.00	0.00	0.00	0.07	0.47	2.05	8.18
2004	0.97	2.32	0.25	0.01	0.02	0.00	0.00	0.00	0.00	2.09	0.44	2.13	8.23
2005	2.55	1.69	2.02	0.70	0.84	0.00	0.00	0.00	0.02	0.01	0.21	1.15	9.19
2006	3.07	0.48	2.60	2.98	0.54	0.00	0.00	0.00	0.00	0.09	0.16	0.90	10.82
2007	0.61	0.90	0.22	0.27	0.01	0.00	0.00	0.05	0.32	0.30	0.10	1.17	3.95
2008	1.86	1.10	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.14	1.03	1.36	5.59
2009	0.60	1.43	0.21	0.03	0.43	0.37	0.00	0.00	0.20	1.31	0.23	1.27	6.08
2010	2.30	1.93	0.31	1.63	0.32	0.00	0.00	0.00	0.00	0.76	1.24	5.29	13.78
2011	0.88	0.96	2.70	0.32	0.41	0.91	0.04	0.00	0.00	0.48	0.71	0.01	7.42
2012	0.61	0.43	1.72	1.79	0.03	0.00	0.00	0.00	0.00	0.14	0.34	1.52	6.58
2013	0.25	0.42	0.67	0.08	0.18	0.00	0.00	0.00	0.01	0.00	0.33	0.16	2.10
2014	0.30	1.38	0.27	0.35	0.01	0.00	0.00	0.00	0.03	0.00	0.94	2.52	5.80
2015	0.08	0.72	0.02	0.77	0.10	0.00	0.45	0.00	0.00	0.38	0.91	1.40	4.83
2016	2.87	0.01	2.00	0.57	0.17	0.04	0.00	0.00	0.00	0.64	0.36	3.70	10.36
2017	3.37	2.80	0.31	1.02	0.36	0.01	0.00	0.00	0.17	0.06	0.21	0.08	8.39
2018	1.53	0.24	2.18	0.33	0.00	0.00	0.00	0.00	0.00	0.04	1.41	0.42	6.15
2019	1.90	2.29	1.28	0.31	1.81	0.00	0.00	0.00	0.00	0.00	0.49	1.97	10.05
2020	0.81	0.00	2.24	1.15	0.11	0.00	0.00	0.00	0.00	0.00	0.13	0.54	4.98
2021	2.36	0.02	1.08	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.14	3.36	7.12
50 YR AVERAGE	1.62	1.43	1.51	0.70	0.26	0.08	0.02	0.02	0.17	0.39	0.73	1.32	8.26