



**Kings County  
Department of Agriculture  
2020 Crop Report**

“With the coronavirus pandemic, we’re facing a crisis the likes of which none of us has experienced before. Times like these remind us all of the importance of ensuring our nation’s food security, and we want to assure Americans that agriculture remains on call 24/7.”

— Zippy Duvall, AFBF President

### What Can Be More Essential?

There is no debating that 2020 was, simply put, an unforgettable year. Many aspects of our lives flipped upside down due to the Covid-19 pandemic, but there was one thing that remained constant – agricultural production. While a good portion of the nation’s population was panic-stricken, Kings County’s main industry, Agriculture, adapted and improvised. Our approximate 800 local producers and their employees held fast, safely working through the pandemic, making sure crops and other agricultural products made it to the channels of trade and to our homes. For this, we are grateful to the County’s essential agricultural producers and their employees.





## Department of Agriculture / Measurement Standards

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**JIMMY HOOK**  
Agricultural Commissioner  
Sealer of Weights and Measures

August 24, 2021

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 2020 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 2020 in Kings County was \$2,179,476,000. This represents a decrease of \$8,217,000 (.4%) from the 2019 value.

Livestock and Poultry Products had the largest increase in value at \$95,500,000 (15.7%) due to an increase in milk production and higher prices. Vegetable crops increased \$8,505,000 (4.7%) due largely to an increase in processing tomato acreage and higher prices. Fruit and Nut Crops increased in value \$4,443,000 (0.7%) due primarily to an increase in bearing acreage and production. Apiary products increased \$2,449,000 (17.6%) due to an increase in acreage pollinated and higher pollination rates.

Field crops had the largest decrease in value at \$77,473,000 (16.6%) due primarily to lower pima cotton acreage, production, and prices. Livestock and Poultry decreased \$39,020,000 (14.9%) due primarily to less poultry (chickens) sold, as well as lower cattle prices. Seed Crops decreased \$2,621,000 (19.2%) due to less harvested acreage.

Milk continues to be the top commodity with a value of \$700,421,000 in 2020.

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 and Steve Schweizer, Deputy Agricultural Commissioner/Sealer.

Respectfully Submitted,

Jimmy Hook

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# COUNTY ADMINISTRATION

## AG COMMISSIONER – SEALER PERSONNEL

### *Interim County Administrative Officer*

Larry Spikes

### *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 Commssioner - Sealers*

Mario Gutierrez

Lynda Schrupf

Steve Schweizer

### *Agriculture and Standards Inspectors*

Randall Bray   Aaron Brown   Janet Eckles   Luis Gutierrez

Celso Maya-Gaona   Garen Oliveira   Bruce Perez   Jason Perez   Rafael Perla

Alfredo Prieto   Vincent Quinn   Shanna Robbins   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			
<b>Alfalfa, Hay</b>	<b>2020</b>	<b>26,009</b>	<b>8.14</b>	<b>211,713</b>	<b>Ton</b>	<b>\$189.00</b>	<b>\$40,014,000</b>
	2019	25,711	8.59	220,857	Ton	\$205.00	\$45,276,000
<b>Barley, Silage</b>	<b>2020</b>	<b>5,265</b>	<b>15.92</b>	<b>83,819</b>	<b>Ton</b>	<b>\$39.30</b>	<b>\$3,294,000</b>
	2019	6,369	15.88	101,140	Ton	\$36.60	\$3,702,000
<b>Corn, Silage</b>	<b>2020</b>	<b>51,604</b>	<b>26.36</b>	<b>1,360,281</b>	<b>Ton</b>	<b>\$51.30</b>	<b>\$69,782,000</b>
	2019	50,435	25.75	1,298,701	Ton	\$50.20	\$65,195,000
<b>Cotton, Acala- Lint a/</b>	<b>2020</b>	<b>9,513</b>	<b>3.72</b>	<b>35,388</b>	<b>Bale</b>	<b>\$343.00</b>	<b>\$12,138,000</b>
	2019	9,948	3.53	35,116	Bale	\$384.00	\$13,485,000
<b>Cotton, Acala- Seed</b>	<b>2020</b>			<b>14,598</b>	<b>Ton</b>	<b>\$270.00</b>	<b>\$3,941,000</b>
	2019			14,485	Ton	\$275.00	\$3,983,000
<b>Cotton, Pima- Lint a/</b>	<b>2020</b>	<b>79,600</b>	<b>3.34</b>	<b>265,864</b>	<b>Bale</b>	<b>\$561.00</b>	<b>\$149,150,000</b>
	2019	98,511	3.43	337,893	Bale	\$569.00	\$192,261,000
<b>Cotton, Pima- Seed</b>	<b>2020</b>			<b>109,669</b>	<b>Ton</b>	<b>\$275.00</b>	<b>\$30,159,000</b>
	2019			139,381	Ton	\$275.00	\$38,330,000
<b>Oat, Hay</b>	<b>2020</b>	<b>1,880</b>	<b>3.66</b>	<b>6,881</b>	<b>Ton</b>	<b>\$91.00</b>	<b>\$626,000</b>
	2019	980	3.12	3,058	Ton	\$153.00	\$468,000
<b>Oat, Silage</b>	<b>2020</b>	<b>540</b>	<b>20.32</b>	<b>10,973</b>	<b>Ton</b>	<b>\$35.50</b>	<b>\$390,000</b>
	2019	3,010	12.91	38,859	Ton	\$31.60	\$1,228,000
<b>Pasture Range</b>	<b>2020</b>	<b>333,135</b>				<b>\$12.80</b>	<b>\$4,264,000</b>
	2019	337,568				\$12.85	\$4,338,000
<b>Sorghum, Silage</b>	<b>2020</b>	<b>14,796</b>	<b>19.38</b>	<b>286,746</b>	<b>Ton</b>	<b>\$39.00</b>	<b>\$11,183,000</b>
	2019	17,768	21.85	388,231	Ton	\$40.00	\$15,529,000
<b>Triticale, Grain</b>	<b>2020</b>	<b>3,211</b>	<b>3.78</b>	<b>12,138</b>	<b>Ton</b>	<b>\$235.00</b>	<b>\$2,852,000</b>
	2019	1,366	3.34	4,562	Ton	\$237.00	\$1,081,000
<b>Triticale, Silage</b>	<b>2020</b>	<b>5,287</b>	<b>18.28</b>	<b>96,646</b>	<b>Ton</b>	<b>\$38.40</b>	<b>\$3,711,000</b>
	2019	3,957	16.42	64,974	Ton	\$37.00	\$2,404,000
<b>Wheat, Grain</b>	<b>2020</b>	<b>12,884</b>	<b>1.67</b>	<b>21,516</b>	<b>Ton</b>	<b>\$192.00</b>	<b>\$4,131,000</b>
	2019	24,276	2.11	51,222	Ton	\$233.00	\$11,423,000

# FIELD CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Wheat, Hay	2020	1,331	3.61	4,805	Ton	\$128.00	\$615,000
	2019	1,564	4.70	7,351	Ton	\$149.00	\$1,095,000
Wheat, Silage	2020	45,425	17.50	794,938	Ton	\$38.60	\$30,685,000
	2019	40,520	18.05	731,386	Ton	\$39.70	\$29,036,000
Other	b/ 2020	35,127					\$21,014,000
	2019	58,827					\$36,588,000
Total	2020	625,607					\$387,949,000
	2019	680,810					\$465,422,000

a/ 495 lbs. = 1 bale

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



# FRUIT & NUT CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
<b>Almonds</b>	<b>2020</b>	<b>33,433</b>	<b>1.21</b>	<b>40,454</b>	<b>Ton</b>	<b>\$3,510.00</b>	<b>\$141,994,000</b>
	2019	31,928	1.19	37,994	Ton	\$5,080.00	\$193,010,000
<b>Almond Hulls</b>	<b>2020</b>			<b>80,908</b>	<b>Ton</b>	<b>\$80.00</b>	<b>\$6,473,000</b>
	2019			75,988	Ton	\$96.00	\$7,295,000
<b>Almond Shells</b>	<b>2020</b>			<b>20,227</b>	<b>Ton</b>	<b>\$8.50</b>	<b>\$172,000</b>
	2019			18,997	Ton	\$7.80	\$148,000
<b>Apricots</b>	<b>2020</b>	<b>720</b>	<b>7.00</b>	<b>5,040</b>	<b>Ton</b>	<b>\$1,250.00</b>	<b>\$6,300,000</b>
	2019	788	5.56	4,381	Ton	\$1,470.00	\$6,440,000
<b>Cherries</b>	<b>2020</b>	<b>1,817</b>	<b>3.33</b>	<b>6,051</b>	<b>Ton</b>	<b>\$5,240.00</b>	<b>\$31,707,000</b>
	2019	1,455	2.71	3,943	Ton	\$5,650.00	\$22,278,000
<b>Grapes, Raisin</b>	<b>2020</b>	<b>1,869</b>	<b>3.99</b>	<b>7,457</b>	<b>Ton</b>	<b>\$1,300.00</b>	<b>\$9,694,000</b>
	2019	1,823	2.89	5,268	Ton	\$1,560.00	\$8,218,000
<b>Grapes, Table</b>	<b>2020</b>	<b>644</b>	<b>14.46</b>	<b>9,312</b>	<b>Ton</b>	<b>\$1,500.00</b>	<b>\$13,968,000</b>
	2019	589	17.39	10,243	Ton	\$1410.00	\$14,443,000
<b>Grapes, Wine</b>	<b>2020</b>	<b>3,591</b>	<b>16.45</b>	<b>59,072</b>	<b>Ton</b>	<b>\$287.00</b>	<b>\$16,954,000</b>
	2019	3,671	17.18	63,068	Ton	\$269.00	\$16,965,000
<b>Grapes, Total</b>	<b>2020</b>	<b>6,104</b>					<b>\$40,616,000</b>
	2019	6,083					\$39,626,000
<b>Nectarines</b>	<b>2020</b>	<b>1,185</b>	<b>11.25</b>	<b>13,331</b>		<b>\$1,410.00</b>	<b>\$18,797,000</b>
	2019	1,256	9.50	11,932	Ton	\$1,400.00	\$16,705,000
<b>Peaches, Cling</b>	<b>2020</b>	<b>1,071</b>	<b>17.88</b>	<b>19,149</b>	<b>Ton</b>	<b>\$500.00</b>	<b>\$9,575,000</b>
	2019	1,145	12.77	14,622	Ton	\$480.00	\$7,019,000
<b>Peaches, Freestone</b>	<b>2020</b>	<b>1,695</b>	<b>11.84</b>	<b>20,069</b>	<b>Ton</b>	<b>\$1,340.00</b>	<b>\$26,892,000</b>
	2019	1,679	12.15	20,400	Ton	\$1,250.00	\$25,500,000
<b>Peaches, Total</b>	<b>2020</b>	<b>2,766</b>					<b>\$36,467,000</b>
	2019	2,824					\$32,519,000
<b>Pistachios</b>	<b>2020</b>	<b>32,937</b>	<b>1.64</b>	<b>54,017</b>	<b>Ton</b>	<b>\$3,970.00</b>	<b>\$214,447,000</b>
	2019	29,369	1.31	38,473	Ton	\$4720.00	\$181,593,000
<b>Plums</b>	<b>2020</b>	<b>1,567</b>	<b>9.49</b>	<b>14,871</b>	<b>Ton</b>	<b>\$1,490.00</b>	<b>\$22,158,000</b>
	2019	1,805	9.37	16,913	Ton	\$1,290.00	\$21,818,000



# FRUIT & NUT CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Walnuts	2020	18,165	2.16	39,236	Ton	\$1300.00	\$51,007,000
	2019	17,545	2.01	35,265	Ton	\$1,970.00	\$69,472,000
Other a/	2020	5,485					\$78,529,000
	2019	5,000					\$53,320,000
TOTAL	2020	104,179					\$648,667,000
	2019	98,053					\$644,224,000

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

# SEED CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
Seed Crops a/	2020	14,800			Lbs		\$11,016,000
	2019	17,196			Lbs		\$13,637,000
TOTAL	2020	14,800					\$11,016,000
	2019	17,196					\$13,637,000

a/ Includes alfalfa (certified & non-certified), barley (certified), broccoli, cotton (certified & non-certified), lettuce, mustard, 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.
- 2nd among California counties in tomatoes (processing). 3rd among California counties in nectarine and plum production.
- 4th among California counties in the production of milk, apricots, peaches and wheat.
- 5th among California counties in pistachio and silage production.

Information is based on 2019 County Agricultural Commissioners' Crop Reports

# VEGETABLE CROPS

Crop	Year	Harvested Acres	Production		Unit	Value Per Unit	Total
			Per Acre	Total			
<b>Tomatoes, Processed</b>	<b>2020</b>	<b>29,591</b>	<b>53.82</b>	<b>1,592,588</b>	<b>Ton</b>	<b>\$79.20</b>	<b>\$126,133,000</b>
	2019	27,287	58.51	1,596,562	Ton	\$74.40	\$118,784,000
<b>Other</b>	<b>a/ 2020</b>	<b>7,924</b>			<b>Ton</b>		<b>\$63,021,000</b>
	2019	8,462			Ton		\$61,865,000
<b>TOTAL</b>	<b>2020</b>	<b>37,515</b>			<b>Ton</b>		<b>\$189,154,000</b>
	2019	35,749			Ton		\$180,649,000

a/ Includes asparagus, 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
<b>Honey</b>	<b>2020</b>	<b>846,500</b>	<b>Lb.</b>	<b>\$1.92</b>	<b>\$1,625,000</b>
	2019	414,036	Lb.	\$1.91	\$791,000
<b>Beeswax</b>	<b>2020</b>	<b>5,300</b>	<b>Colonies</b>	<b>\$2.67</b>	<b>\$14,200</b>
	2019	7,127	Colonies	\$2.40	\$17,100
<b>Pollination, Seed Alfalfa</b>	<b>2020</b>	<b>1,416</b>	<b>Colonies</b>	<b>\$60.00</b>	<b>\$85,000</b>
	2019	1,782	Colonies	\$60.00	\$107,000
<b>Pollination, Tree Fruit &amp; Nuts</b> a/	<b>2020</b>	<b>74,612</b>	<b>Colonies</b>	<b>\$194.23</b>	<b>\$14,492,000</b>
	2019	69,939	Colonies	\$184.11	\$12,876,000
<b>Pollination, Melons</b>	<b>2020</b>	<b>842</b>	<b>Colonies</b>	<b>\$38.00</b>	<b>\$32,000</b>
	2019	544	Colonies	\$38.00	\$20,700
<b>Pollination, Vegetable Seed</b>	<b>2020</b>	<b>1,500</b>	<b>Colonies</b>	<b>\$75.00</b>	<b>\$113,000</b>
	2019	1,911	Colonies	\$52.50	\$100,000
<b>TOTAL</b>	<b>2020</b>				<b>\$16,361,000</b>
	2019				\$13,912,000

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

# LIVESTOCK & POULTRY PRODUCTS

	Year	Total Production	Unit	Value Per Unit	Total Value
<b>Manure</b>	<b>2020</b>	<b>640,609</b>	<b>Ton</b>	<b>\$4.10</b>	<b>\$2,626,000</b>
	2019	679,487	Ton	\$7.20	\$4,892,000
<b>Milk</b>	<b>2020</b>	<b>37,330,000</b>	<b>Cwt.</b>	<b>\$18.60</b>	<b>\$694,338,000</b>
	2019	36,660,000	Cwt.	\$16.30	\$597,558,000
<b>Milk, Goats</b>	<b>2020</b>	<b>140,152</b>	<b>Cwt.</b>	<b>\$43.40</b>	<b>\$6,083,000</b>
	2019	122,303	Cwt.	\$41.60	\$5,088,000
<b>Milk, Total</b>	<b>2020</b>	<b>37,470,152</b>	<b>Cwt.</b>		<b>\$700,421,000</b>
	2019	36,782,303	Cwt.		\$602,646,000
<b>Wool</b>	<b>a/ 2020</b>	<b>118,240</b>	<b>Lb.</b>	<b>\$2.45</b>	<b>\$290,000</b>
	2019	127,430	Lb.	\$2.35	\$299,000
<b>Total</b>	<b>2020</b>				<b>\$703,337,000</b>
	2019				\$607,837,000

a/ Price does not include wool incentive.



# INVENTORIES OF LIVESTOCK & POULTRY

Item	December 2020 Number of Head	December 2019 Number of Head
<b>Cattle &amp; Calves</b>		
All	325,000	325,000
Dairy Cows 2 Years & Over	170,000	170,000
Cattle & Calves on Feed	4,200	3,900
Other	150,800	151,000
Sheep & Lambs	16,955	17,805
Goats	14,900	17,030
Hogs & Pigs	50	184
Turkeys	493,620	464,961



## LIVESTOCK & POULTRY

Item	Year	Number of Head	Unit	Value Per Unit	Total
Cattle & Calves	2020	202,936	Head	\$802.00	\$162,755,000
	2019	202,519	Head	\$884.00	\$179,027,000
Poultry	a/ 2020	9,944,692	Lb.		\$59,772,000
	2019	14,997,851	Lb.		\$82,074,000
Other	b/ 2020	4,750			\$465,000
	2019	4,714			\$911,000
TOTAL	2020				\$222,992,000
	2019				\$262,012,000

a/ Includes chickens, ducks, and turkeys.

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

# FIVE YEAR COMPARISON OF ACREAGE AND CROP VALUES

	2020	2019	2018	2017	2016
<b>Apiary Products</b>	\$16,361,000	\$13,912,000	\$14,897,000	\$15,637,000	\$10,457,000
<b>Field Crops Acreage</b>	\$387,949,000 625,607	\$465,422,000 680,810	\$475,932,000 662,935	\$392,836,000 625,933	\$367,600,000 622,290
<b>Fruit &amp; Nut Crops Acreage</b>	\$648,667,000 113,962	\$644,224,000 98,053	\$600,579,000 93,916	\$513,212,000 88,435	\$525,113,000 78,646
<b>Livestock &amp; Poultry</b>	\$222,992,000	\$262,012,000	\$281,903,000	270,313,000	\$309,001,000
<b>Livestock &amp; Poultry Products</b>	\$703,337,000	\$607,837,000	\$680,519,000	\$680,145,000	\$640,259,000
<b>Seed Crops Acreage</b>	\$11,016,000 14,800	\$13,637,000 17,196	\$11,731,000 13,148	\$6,622,000 112,732	\$8,739,000 6,039
<b>Vegetable Crops Acreage</b>	\$189,154,000 37,473	\$180,649,000 35,749	\$215,114,000 40,507	\$179,650,000 36,011	\$175,833,000 39,480
<b>TOTAL</b>	\$2,179,476,000	\$2,187,693,000	\$2,280,675,000	\$2,058,415,000	\$2,037,002,000

## AGRICULTURE EFFICIENCY PRODUCTION PER ACRE COMPARISON FOR MISCELLANEOUS CROPS 2020 & 1970

2020

1970

Crop	Production Per Acre	Unit	Production Per Acre	Unit
<b>Almonds</b>	1.21	Tons	0.87	Tons
<b>Corn, Silage</b>	26.36	Tons	20.0	Tons
<b>Cotton, Lint</b>	3.72	Bales	1.74	Bales
<b>Tomatoes</b>	53.82	Tons	17.7	Tons
<b>Walnuts</b>	2.16	Tons	1.09	Tons

# TOP 10 COMMODITIES

Crop	2020 Rank	Dollar Value	2019 Rank	2018 Rank	1970 Rank
Milk, Total	1	\$700,421,000	1	1	2
Pistachios	2	\$214,447,000	4	2	N/A
Cotton, Total	3	\$195,388,000	2	3	1
Cattle & Calves	4	\$162,740,000	5	4	3
Almonds	5	\$148,639,000	3	5	46
Tomatoes, Processed	6	\$126,133,000	6	6	29
Corn, Silage	7	\$69,782,000	9	8	N/A
Livestock, Poultry	8	\$59,772,000	7	7	8
Walnuts	9	\$51,007,007	8	9	19
Alfalfa, Hay	10	\$40,014,000	10	10	4

## A LOOK BACK 50 YEARS AGO 1970 KINGS COUNTY'S TOP 10 COMMODITIES

Crop	Rank	Dollar Value
Cotton Lint	1	\$20,125,000
Milk, Market	2	\$18,197,000
Cattle & Calves	3	\$15,366,000
Hay, Alfalfa	4	\$13,709,000
Barley	5	\$7,395,000
Cattle, Feed Yard Gains	6	\$4,693,000
Cotton Seed	7	\$4,690,000
Corn	8	\$4,004,000
Sugar Beets	9	\$2,925,000
Wheat, Grain	10	\$2,917,000
	<b>Total</b>	<b>\$94,021,000</b>

# 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	86,774 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	265 Sites Treated

<i>Pest</i>	<i>Number of Traps</i>	<i>Number of Servicings</i>	<i>Type of Trap</i>
All Purpose Fruit Fly	121	1,226	Champ
Asian Citrus Psyllid	275	4,345	Yellow Panel
European Corn Borer	13	170	Pherocon II
European Grape Vine Moth	565	7,332	Delta
European Pine Shoot Moth	5	12	Pherocon II
Glassy-Winged Sharpshooter	173	863	Yellow Panel
Gypsy Moth	83	496	Delta
Japanese Beetle	83	496	Japanese Beetle
Light Brown Apple Moth	152	2,160	Jackson
Mediterranean Fruit Fly	152	2,160	Jackson
Melon Fly	80	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><b>Pest</b></i>	<i><b>Agent/ Mechanism</b></i>	<i><b>Scope of Program</b></i>
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lupriformis</u>	Generally Distributed
	Seed Head Weevil <u>Microlarinus lareynil</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	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>Siphoninus 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><b>Pest</b></i>	<i><b>Agent/ Mechanism</b></i>	<i><b>Scope of Program</b></i>
Glassy Winged Sharpshooter	Nursery/Citrus Inspections	1,035 Shipments Inspected
Gypsy Moth Lymantria Dispar	Household Goods Shipments	72 Shipments Inspected
Various Pests	Truck Shipments	1,107 Units Inspected

<i><b>Crops</b></i>	<i><b>Activity</b></i>	<i><b>Scope of Program</b></i>
Export Commodities	Phytosanitary Certification	1,918 certificates issued
Export Seed	Field Inspections	68 Sites/82.99 Acres



# EXPORT PARTNERS

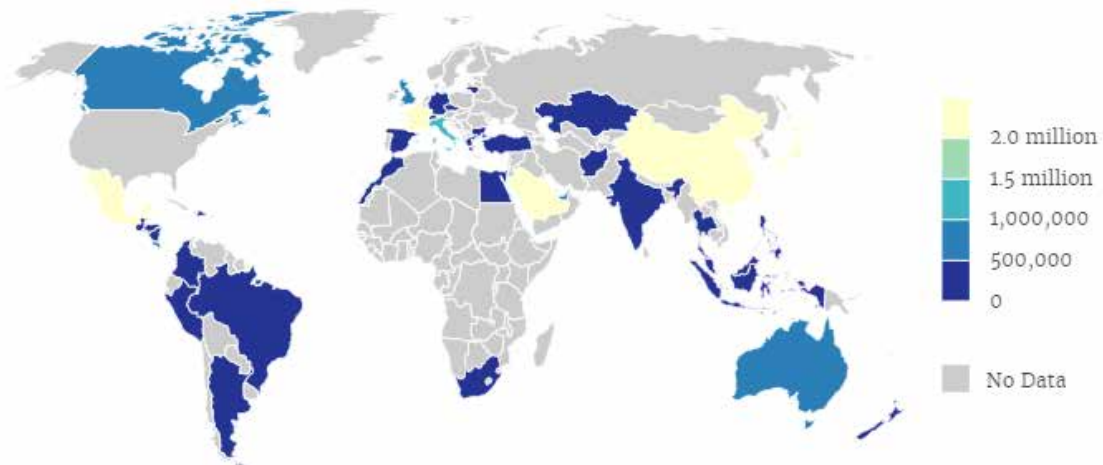
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 France  
 Germany  
 Greece

Guatemala  
 Honduras  
 Hong Kong  
 India  
 Indonesia  
 Israel  
 Italy  
 Japan  
 Kazakhstan  
 Korea, Republic of  
 Lebanon  
 Libya  
 Lithuania  
 Luxembourg  
 Malaysia  
 Mexico  
 Morocco  
 Netherlands

New Zealand  
 Nicaragua  
 Panama  
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 Thailand  
 Turkey  
 Ukraine  
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 United Kingdom  
 Vietnam

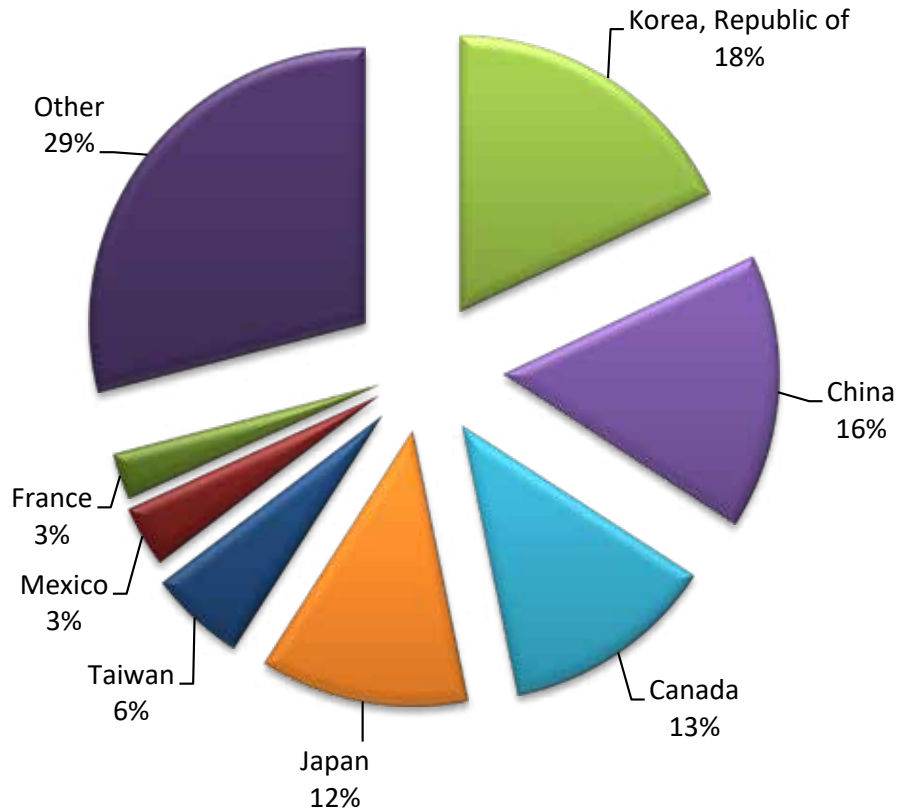


# EXPORT TRADE PARTNERS



# GLOBAL EXPORT

## PERCENTAGE OF TOTAL EXPORT CERTIFICATES ISSUED 2020



## COMMODITIES GROWN AND EXPORTED FROM KINGS COUNTY

Alfalfa  
 Almond  
 Apricot  
 Asian pear  
 Asparagus  
 Blueberry  
 Cherry  
 Cotton  
 Grape  
 Kiwi

Nectarine  
 Onion  
 Orange  
 Peach  
 Pistachio nut  
 Plum  
 Pluot  
 Pomegranate  
 Sorghum  
 Sudan grass



# 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 50,000 registered organic acres growing a wide variety of crops. The county has over 40 organic registrants including producers, processors, and handlers.

Use of the organic label means that great care has been taken by the producer to ensure that there have been no prohibited substances applied. The label also means the producer is a good steward of the land, implementing practices to replenish soil nutrients, as well as manage erosion. The label is a coveted badge that shows the utmost care has been taken by all involved in the production process so that consumers can confidently purchase organic products knowing that great care has been taken in the growth, harvest, and packing processes.



## CERTIFIED PRODUCERS

Just as in every other facet of life, the Certified Farmers Markets and Producers were not immune from the effects of the pandemic. Our thriving county market went from a vendor list of over 100 to around 15 for the 2020 season. But it really was the little market that could, with loyal customers coming out weekly to get their fill of locally grown produce.

In 2020, the Department certified more than 20 producers, all growing a wide variety of fruits and vegetables making them available at a multitude of markets throughout the state. This shows the true nature of the never quit attitude of the farmer, as they continue to make sure that delicious produce is readily available.



# LAND USE

Surrounding Counties	2019 Rank	2019 Gross Value	Total County Area Acres	Value Per Acre	Top Commodity	2019 Gross Value*
<b>Fresno</b>	1	\$7,714,540,000	5,166,720	\$1493	Almonds	\$1,523,370,000
<b>Kern</b>	2	\$7,692,667,000	3,112,320	\$2472	Almonds	\$1,599,752,000
<b>Tulare</b>	3	\$7,508,852,000	3,840,000	\$1955	Milk	\$1,612,070,000
<b>Monterey</b>	4	\$4,426,625,000	2,217,359	\$1996	Strawberries	\$723,800,000
<b>Kings</b>	8	<b>\$2,187,693,000</b>	<b>890,545</b>	<b>\$2457</b>	<i>Milk</i>	<b>\$602,646,000</b>

\*Based on 2019 Crop Report Data

## LAND USE SUMMARY

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

# WEIGHT & MEASUREMENT STANDARDS

In 2020, the Kings County Department of Measurement Standards recorded the following number of commercial weighing and measuring devices registered to the county.

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

Inspected 5,074 devices including:

- 1,558 retail motor fuel meters representing 68 gas stations
- 2,294 mobile home park submeters
- 105 vehicle scales
- 17 livestock & animal scales
- 1,100 miscellaneous weighing and measuring devices



# KINGS COUNTY GENERAL INFORMATION

County Seat	Hanford
County Population (1/1/2020)	153,608*
Population per Square Mile	110.35
Total Assessed Value (2019)	\$10,620,528,908
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 2019 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
<b>50 YR AVERAGE</b>	<b>1.57</b>	<b>1.43</b>	<b>1.49</b>	<b>0.70</b>	<b>0.26</b>	<b>0.08</b>	<b>0.02</b>	<b>0.02</b>	<b>0.17</b>	<b>0.39</b>	<b>0.73</b>	<b>1.25</b>	<b>8.12</b>