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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

# Kings County

2010-2014



# KINGS COUNTY



2010

AGRICULTURAL  
CROP REPORT



# CARROTS AND CAT'S EYES

The history of the domesticated carrot (*Daucus carota* s.sp *sativus*) is filled with both vagueness and heroics. Historical records of its origins are almost non-existent. It is believed that wild carrot (*Daucus carota* s.sp. *carota*) is the ancient ancestor of the domestic carrot, but scientists have never been able to produce a domestic carrot from years of wild carrot breeding. Hybridization of different *Daucus* subspecies is likely to have produced the orange carrot we know today. The earliest written history dates the carrot's origin about 5,000 years ago in the vicinity of Afghanistan. The cultivated carrot made its way into Europe around the 15<sup>th</sup> century and eventually into North America with the first English settlers in 1609. Despite its humble beginnings, the carrot played a part in one of history's biggest cover-ups.

At the beginning of World War II England began developing the use of radar to detect incoming hostile aircraft. By September of 1940 the first radar system was installed into a British warplane. This allowed the plane's on-board operator to detect and track enemy aircraft, then give directions to the pilot. Royal Air Force (RAF) pilot John Cunningham and radar operator Jimmy Rawnsley manned the newly equipped warplane. On November 19, 1940 the crew took down the first enemy plane with the aid of on-board radar. Cunningham and Rawnsley continued their success throughout the war with a record 20 confirmed kills during night time fighting.

Concurrently in 1940, food rationing began in England, but there was a large surplus of two crops: potatoes and carrots. Carrots weren't widely popular and it was up to the Minister of Food, Lord Woolton, to promote the vegetable to the public. He did so by informing them that John Cunningham and the rest of the RAF night fighters ate copious amounts of carrots to help them see in the dark. The public responded favorably to the campaign, especially due to the widely popular heroics of Cunningham who was nicknamed "Cat's Eyes" due to his ability to take down so many Nazi bombers in the dark. The campaign also served the higher purpose of covering up the RAF's radar technology from the Germans. It would seem unlikely that the Germans would believe that carrots gave the British pilots super-human abilities, but it is plausible since a similar theme existed in German folklore in which carrots were also used as a cure for jaundice, diphtheria, warts, and bedwetting.

Although carrots may not give you superior night vision, they can help maintain and improve eye sight for those suffering from vitamin A deficiency. Carrots are filled with a chemical called beta carotene, which is converted into vitamin A inside the body. Vitamin A is then synthesized to retinal, the chemical responsible for vision in the eye. Vitamin A deficiency is a major concern in developing countries; approximately 250 million preschool children are affected by it. Of these children, 250,000 to 500,000 go blind and half of them die within twelve months of losing their sight. Carrots are filled with other nutrients including vitamins B and K, dietary fiber, calcium, and potassium. Eating carrots can help lower cholesterol, promote healthier skin, and build stronger bones. One of the most important health benefits of the carrot is its powerful antioxidants. Antioxidants help fight cancer by neutralizing the free radicals associated with causing the disease.

As people become more aware of the outstanding health benefits carrots have to offer, their popularity remains strong. In the last 10 years carrot acreage in Kings County has more than tripled, to nearly 4400 acres. In California, carrots brought in nearly half a billion dollars from 62,000 harvested acres in 2009. This was nearly 85% of the total U.S. production, making California the top producer of carrots in the country. The U.S. was the third largest producer of carrots in the world following China and Russia, respectively.

In California there are five main carrot production areas: The central coast (Monterey County); the southern desert (Imperial and Riverside Counties); the high desert (Los Angeles County); the Southern San Joaquin Valley (Kings and Kern Counties) and Cuyama Valley (Santa Barbara and San Luis Obispo Counties). Carrots are grown year-round in California. They are always direct seeded using raw or pelleted seed that can range from 175,000 to 400,000 seeds per pound and are sown at a rate of 0.9 to 1.3 million seeds per acre.

Carrots are versatile and can be found whole, in juices, frozen or sliced. Baby carrots are a very popular snack among all ages because of their small, bite-sized shape and sweet taste. Kings County continues to produce millions of these healthy and tasty snacks each year. So the next time you are searching for a light and tasty bite, reach for the one that may give you "cat's eyes".



## Department of Agriculture / Measurement Standards

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**TIM NISWANDER**  
Agricultural Commissioner  
Sealer of Weights and Measures

May 24, 2011

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 2010 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 only gross values and do not represent net income or loss to producers.

The gross value of all agricultural crops and products produced during 2010 in Kings County was \$1,717,971,000. This represents an increase of \$397,708,000 (30.1%) from the 2009 value.

All crop categories increased in value. Apiary Products increased \$566,000 (9.5%) attributed to increased honey production and price. Field Crops increased \$136,868,000 (43.9) due primarily to increased cotton acreage and price. Fruit and Nut Crops increased \$65,682,000 (25.9%) due in large part to increased nut production and price, as well as increased cherry production. Livestock and Poultry increased \$14,908,000 (10.2%) due to more turkeys sold. Livestock and Poultry Products increased \$149,368,000 (35.7%) due to increased milk production and price. Seed Crops increased \$1,781,000 due to increased prices. Vegetable Crops increased \$28,535,000 (16%) due to increased processing tomato acreage and production.

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 Robbie Coelho, Agricultural and Standards Inspector, Jason Perez, Agricultural and Standards Inspector, and Steve Schweizer, Deputy Agricultural Commissioner/Sealer, with assistance from Joan Vernon, Deputy Agricultural Commissioner/Sealer.

Respectfully Submitted,

Tim Niswander

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COUNTY ADMINISTRATION  
AG COMMISSIONER - SEALER PERSONNEL

**Kings County Board of Supervisors**

Joe A. Neves..... District I                      Richard Valle..... District II  
Doug Verboon..... District III                      Tony Barba..... District IV  
Richard Fagundes.....District V

**County Administrative Officer**

Larry Spikes

**Agricultural Commissioner - Sealer of Weights and Measures**

Tim Niswander

**Deputy Agricultural Commissioner - Sealers**

Steve Schweizer                      Joan Vernon

**Deputy Agricultural Commissioner**

Michael Silverman

**Agricultural and Standards Inspectors**

Tom Chambers                      Vince Evans                      Jimmy Hook                      Rafael Perla  
Robbie Coelho                      Garen Goodreau                      Michael Leoni                      Alfredo Prieto  
Bill DeRaad                      Mario Gutierrez                      Jason Perez                      Robert Torrez

**Agricultural Computer Systems Coordinator**

Lynda Schrupf

**Agricultural and Standards Aides**

Scott Berry                      Janet Eckles                      Carey Smith                      Jason Taylor

**Executive Secretary**

Jennifer Rios

**Account Clerk**

Nancy Dowd

**Office Assistants**

Linda Lavars                      Sue Shanahan

# FRUIT & NUT CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Almond	<b>2010</b>	<b>14,376</b>	<b>1.00</b>	<b>14,376</b>	<b>TON</b>	<b>\$3,580.00</b>	<b>\$51,466,000</b>
	2009	14,030	0.73	10,242	TON	\$3,340.00	\$34,208,000
Almond Hulls	<b>2010</b>			<b>28,895</b>	<b>TON</b>	<b>\$103.00</b>	<b>\$2,976,000</b>
	2009			20,351	TON	\$89.50	\$2,005,000
Almond Shells	<b>2010</b>			<b>7,224</b>	<b>TON</b>	<b>\$16.60</b>	<b>\$120,000</b>
	2009			5,088	TON	\$14.60	\$74,300
Apricots Fresh	<b>2010</b>	<b>847</b>	<b>2.75</b>	<b>2,329</b>	<b>TON</b>	<b>\$2,810.00</b>	<b>\$6,544,000</b>
	2009	671	2.93	1,966	TON	\$1,650.00	\$3,244,000
Cherries a/	<b>2010</b>	<b>1,455</b>	<b>4.89</b>	<b>7,115</b>	<b>TON</b>	<b>\$3,950.00</b>	<b>\$28,104,000</b>
	2009	1,427	2.09	2,982	TON	\$4,620.00	\$13,777,000
Firewood	<b>2010</b>			<b>1,181</b>	<b>CORD</b>	<b>\$166.00</b>	<b>\$196,000</b>
	2009			507	CORD	\$117.00	\$58,300
Grapes Raisin Varieties Fresh, Table Dried Crushed Canned Total	<b>2010</b>			<b>138</b>	<b>TON</b>	<b>\$1,550.00</b>	<b>\$214,000</b>
				<b>3,443</b>	<b>TON</b>	<b>\$1,440.00</b>	<b>\$4,958,000</b>
				<b>604</b>	<b>TON</b>	<b>\$268.00</b>	<b>\$162,000</b>
				<b>174</b>	<b>TON</b>	<b>\$280.00</b>	<b>\$49,000</b>
				<b>4,359</b>	<b>TON</b>		<b>\$5,383,000</b>
Grapes Raisin Varieties Fresh, Table Dried Crushed Canned Total	2009			27	TON	\$2,000.00	\$54,000
				4,385	TON	\$1,120.00	\$4,911,000
				604	TON	\$253.00	\$153,000
				444	TON	\$308.00	\$137,000
			1,942		5,460	TON	
Grapes Table Varieties	<b>2010</b>	<b>1,248</b>	<b>11.25</b>	<b>14,040</b>	<b>TON</b>	<b>\$1,260.00</b>	<b>\$17,690,000</b>
	2009	964	11.11	10,710	TON	\$1,190.00	\$12,745,000
Grapes Wine Varieties	<b>2010</b>	<b>3,784</b>	<b>12.72</b>	<b>48,132</b>	<b>TON</b>	<b>\$255.00</b>	<b>\$12,274,000</b>
	2009	3,750	13.24	49,650	TON	\$284.00	\$14,101,000
Grapes Total	<b>2010</b>	<b>6,947</b>					<b>\$35,347,000</b>
	2009	6,656					\$32,101,000



# FRUIT & NUT CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Nectarines	2010	2,370	6.79	16,092	TON	\$1,050.00	\$16,897,000
	2009	2,273	5.47	12,433	TON	\$1,100.00	\$13,676,000
Peaches Cling	2010	782	19.76	15,452	TON	\$286.00	\$4,419,000
	2009	713	19.69	14,039	TON	\$403.00	\$5,658,000
Peaches Freestone	2010	3,098	6.21	19,239	TON	\$865.00	\$16,642,000
	2009	3,337	5.52	18,420	TON	\$1,100.00	\$20,262,000
Peaches Freezer	2010	203	17.11	3,473	TON	\$279.00	\$969,000
	2009	228	21.00	4,788	TON	\$285.00	\$1,365,000
Peaches Total	2010	4,083					\$22,030,000
	2009	4,278					\$27,285,000
Pistachios	2010	11,160	1.41	15,736	TON	\$4,680.00	\$73,644,000
	2009	10,579	1.52	16,080	TON	\$3,510.00	\$56,441,000
Plums	2010	2,671	5.09	13,595	TON	\$994.00	\$13,513,000
	2009	2,418	4.60	11,123	TON	\$1,270.00	\$14,126,000
Pomegranates Fresh a/	2010	208	1.79	372	TON	\$1,820.00	\$677,000
	2009						
Pomegranates Juice a/	2010	3,708	6.05	22,433	TON	\$295.00	\$6,618,000
	2009						
Walnuts	2010	11,554	2.09	24,148	TON	\$2,160.00	\$52,160,000
	2009	11,250	1.93	21,713	TON	\$1,680.00	\$36,478,000
Others b/	2010	821					\$8,830,000
	2009	4,086					\$19,965,000
TOTAL	2010	60,200					\$319,122,000
	2009	57,668					\$253,440,000

a/ Previously included in "Others"

b/ Includes apples, blackberries, blueberries, jujube, kiwifruit, oranges, pecans, persimmons, pluots, prunes, quince, strawberries and tangerines.

# FIELD CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Alfalfa, Hay	2010	62,379	7.58	472,833	TON	\$136.00	64,305,000
	2009	62,423	7.71	481,281	TON	\$106.00	\$51,016,000
Alfalfa, Silage	2010	11,360	3.08	34,989	TON	\$29.20	\$1,022,000
	2009	5,361	4.80	25,733	TON	\$23.70	\$610,000
Alfalfa, Silage All Year	2010	2,188	30.00	65,640	TON	\$24.40	\$1,602,000
	2009	2,050	38.07	78,044	TON	\$19.80	\$1,545,000
Alfalfa, Stubble	2010	15,595				\$25.00	\$390,000
	2009	15,606				\$25.00	\$390,000
Barley, Grain b/	2010						
	2009	661	2.00	1,322	TON	\$175.00	\$231,000
Barley, Silage a/	2010	700	9.13	6,391	TON	22.00	\$141,000
	2009				TON		
Beans, Dry	2010	2,703	1.25	3,379	Cwt.	\$715.00	\$2,416,000
	2009	2,343	1.13	2,648	Cwt.	\$781.00	\$2,068,000
Corn Grain	2010	3,574	5.07	18,120	TON	\$165.00	\$2,990,000
	2009	3,866	4.37	16,894	TON	\$151.00	\$2,551,000
Corn Silage	2010	56,745	26.06	1,478,775	TON	\$34.60	\$51,166,000
	2009	63,232	26.99	1,706,632	TON	\$25.70	\$43,860,000
Cotton, Acala - Lint c/	2010	17,870	2.83	50,572	495 lbs.	\$553.00	\$27,966,000
	2009	8,442	3.33	28,112	495 lbs.	\$368.00	\$10,345,000
Cotton, Acala - Seed	2010			21,918	TON	\$284.00	\$6,225,000
	2009			12,165	TON	\$280.00	\$3,406,000
Cotton, Pima - Lint c/	2010	83,417	2.48	206,874	495 lbs.	\$897.00	\$185,566,000
	2009	59,584	2.94	175,177	495 lbs.	\$586.00	\$102,654,000

# FIELD CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Cotton Pima - Seed	2010			89,436	TON	\$276.00	\$24,684,000
	2009			75,851	TON	\$258.00	\$19,570,000
Oat, Hay	2010	4,329	2.45	10,606	TON	\$85.60	\$908,000
	2009	5,664	3.44	19,484	TON	\$76.20	\$1,485,000
Oat, Silage	2010	1,321	13.89	18,349	TON	\$22.50	\$413,000
	2009	1,129	9.78	11,042	TON	\$22.10	\$244,000
Pasture, Irrigated	2010	9,316				\$150.00	\$1,397,000
	2009	10,250				\$150.00	\$1,538,000
Pasture, Range	2010	248,430				\$13.20	\$3,279,000
	2009	232,933				\$4.50	\$1,048,000
Ryegrass, Silage b/	2010						
	2009	1,627	14.04	22,843	TON	\$23.10	\$528,000
Sorghum, Silage	2010	6,910	18.37	126,937	TON	\$27.70	\$3,516,000
	2009	9,160	16.58	151,873	TON	\$19.90	\$3,022,000
Sudan, Hay	2010	376	3.01	1,132	TON	\$109.00	\$123,000
	2009	529	3.34	1,767	TON	\$63.70	\$113,000
Sudan, Silage	2010	269	13.55	3,645	TON	\$35.90	\$131,000
	2009	1,275	11.25	11,344	TON	\$41.00	\$588,000
Triticale, Silage	2010	3,823	13.65	52,184	TON	\$22.40	\$1,169,000
	2009	5,167	11.55	59,679	TON	\$39.50	\$2,357,000
Wheat, Grain	2010	56,322	3.08	173,472	TON	\$203.00	\$35,215,000
	2009	41,545	2.86	118,819	TON	\$228.00	\$27,091,000
Wheat, Silage	2010	48,883	17.29	845,187	TON	\$25.70	\$21,721,000
	2009	54,233	17.86	968,601	TON	\$21.90	\$21,212,000

# FIELD CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Wheat, Straw	2010	22,003	1.23	27,064	TON	\$67.60	\$1,830,000
	2009	25,399	1.50	38,099	TON	\$44.00	\$1,676,000
Others d/	2010	31,245					\$10,760,000
	2009	31,806					\$12,919,000
<b>TOTAL</b>	2010	<b>689,758</b>					<b>\$448,935,000</b>
	2009	644,285					\$312,067,000

a/ Previously included in Others

b/ Currently included in Others

c/ 495 lbs. = 1 bale

d/ Barley Grain, Corn Human Consumption, Corn Earldige, Forage, Hay-Other, Ryegrass, Safflower, Screenings, Sorghum Milo, Sugar Beets-Silage, Triticale Seed, Wheat Hay.

## WORLD WAR II CARROT POSTERS



## AGRICULTURAL EFFICIENCY...

### PRODUCTION PER ACRE COMPARISON FOR MISCELLANEOUS CROPS 2010 - 1960

Crop	2010		1960	
	Production/Acre	Unit	Production/Acre	Unit
Corn, Grain	5.07	Tons	1.78	Tons
Corn Silage	26.06	Tons	15.29	Tons
Cotton	2.54	Bales	1.81	Bales
Walnuts	2.09	Tons	0.72	Tons
Wheat	2.89	Tons	1.18	Tons

# VEGETABLE & SEED CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Melons, All a/	2010	1,121	20.82	23,339	TON	\$256.00	\$5,975,000
	2009	1,198	16.68	19,983	TON	\$294.00	\$5,875,000
Seed Crops b/	2010	1,478					\$7,433,000
	2009	3,990					\$5,652,000
Tomatoes, Processed	2010	38,357	54.60	2,094,292	TON	\$64.40	\$134,872,000
	2009	26,658	53.91	1,437,133	TON	\$71.80	\$103,186,000
Other c/	2010	12,430					\$65,618,000
	d/ 2009	8,671					\$68,870,000
TOTAL	2010	53,386					\$206,466,000
	d/ 2009	40,517					\$177,931,000

a/ Cantaloupes, specialty melons and watermelons.

b/ Alfalfa non-certified, corn, cotton certified, lettuce, onion and wheat.

c/ Asparagus, bell peppers organic, broccoli organic, carrots, carrots organic, cauliflower organic, corn sweet, garlic processed, garlic fresh, onions fresh, onions processed and tomatoes fresh.

d/ Revised

# ORGANIC PRODUCTION

Kings County had 19 certified organic growers in 2010 producing on 12,158 acres. The following organic crops were produced in the county: almonds, apples, apricots, asparagus, beans, bell peppers, broccoli, carrots, cauliflower, cherries, dairy, figs, kiwis, nectarines, onions, peaches, pears, persimmons, pistachios, pomegranates, plums, pluots, quince, raisins, squash, processed tomatoes, walnuts, and wheat. The crop values are included in their respective commodity groups.



# INVENTORIES OF LIVESTOCK & POULTRY

Item	January 1, 2010 Number of Head	January 1, 2009 Number of Head
<b>Cattle and Calves</b>		
All	340,000	312,000
Dairy Cows 2 Years and Over	165,000	175,200
Cattle and Calves on Feed	6,900	7,000
Other	168,100	130,000
<b>Sheep and Lambs</b>	9,747	9,288
Goats	8,596	8,557
Hogs and Pigs	118	122
Turkeys	2,570,806	1,108,727

## LIVESTOCK & POULTRY

Item	Year	Number of Head	Total Liveweight	Unit	Value Per Unit	Total
Cattle and Calves a/	2010	199,805	2,275,058	Cwt.	\$56.90	\$129,451,000
	2009	231,341	2,292,901	Cwt.	\$57.20	\$131,154,000
Sheep and Lambs	2010	8,206	9,772	Cwt.	\$123.00	\$1,202,000
	2009	5,588	6,588	Cwt.	\$115.00	\$758,000
Turkeys	2010	2,470,105	50,859,570	lb.	\$0.60	\$30,516,000
	2009	1,108,727	23,998,300	lb.	\$0.60	\$14,399,000
Other b/	2010	25,465				\$248,000
	2009	30,115				\$198,000
<b>TOTAL</b>	2010					\$161,417,000
	2009					\$146,509,000

a/ Includes breeding stock value in total

b/ Includes chickens, goats, hogs, and pigs

“Agriculture is our wisest pursuit, because it will in the end contribute most to real wealth, good morals, and happiness.” - Letter from Thomas Jefferson to George Washington (1787)

# LIVESTOCK & POULTRY PRODUCTS

<b>Item</b>	<b>Year</b>	<b>Total Production</b>	<b>Unit</b>	<b>Value Per Unit</b>	<b>Total</b>
<b>Eggs, Chicken Market</b>	<b>2010</b>	<b>2,068,575</b>	<b>Doz.</b>	<b>\$1.41</b>	<b>\$2,917,000</b>
	2009	2,302,200	Doz.	\$1.46	\$3,361,000
<b>Manure</b>	<b>2010</b>	<b>1,323,350</b>	<b>Ton</b>	<b>\$6.83</b>	<b>\$9,038,000</b>
	2009	1,252,869	Ton	\$3.87	\$4,368,000
<b>Milk, Market</b>	<b>2010</b>	<b>41,587,564</b>	<b>Cwt.</b>	<b>\$13.20</b>	<b>\$548,956,000</b>
	2009	36,242,595	Cwt.	\$11.20	\$405,917,000
<b>Milk, Mfg.</b>	<b>2010</b>	<b>262,423</b>	<b>Cwt.</b>	<b>\$14.39</b>	<b>\$3,776,000</b>
	2009	297,981	Cwt.	\$11.94	\$3,558,000
<b>Milk, Goats</b>	<b>2010</b>	<b>83,708</b>	<b>Cwt.</b>	<b>\$39.06</b>	<b>\$3,270,000</b>
	2009	36,157	Cwt.	\$39.63	\$1,433,000
<b>Milk Total</b>	<b>2010</b>	<b>41,933,695</b>	<b>Cwt.</b>		<b>\$556,002,000</b>
	2009	36,576,733	Cwt.		\$410,908,000
<b>Wool a/</b>	<b>2010</b>	<b>77,976</b>	<b>lb.</b>	<b>\$1.19</b>	<b>\$92,800</b>
	2009	74,304	lb.	\$.60	\$44,600
<b>TOTAL</b>	<b>2010</b>				<b>\$568,050,000</b>
	2009				\$418,682,000

a/ Price does not include incentive

## Interesting Note...

The most prolific milk producing cow the world has ever known, No. 289, lived in this county for 19 years and gave 54,070 gallons of milk - enough to fill more than eight 60-foot tanker trucks.

# APIARY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Honey	2010	1,041,585	lb.	\$1.40	\$1,458,000
	2009	745,240	lb.	\$1.30	\$969,000
Beeswax	2010	12,030	lb.	\$2.20	\$26,500
	2009	9,075	lb.	\$2.27	\$20,600
Seed Alfalfa	2010	1,148	Colonies	\$32.00	\$36,700
	2009	5,221	Colonies	\$37.80	\$197,000
Tree Fruit/Nut a/	2010	36,266	Colonies	\$136.00	\$4,932,000
	2009	35,531	Colonies	\$133.00	\$4,726,000
Melons	2010	1,123	Colonies	\$27.50	\$30,900
	2009	1,498	Colonies	\$28.80	\$43,100
Vegetable Seed	2010	2,565	Colonies	\$25.00	\$64,100
	2009	945	Colonies	\$27.50	\$26,000
<b>TOTAL</b>	<b>2010</b>				<b>\$6,548,000</b>
	2009				\$5,982,000

a/ Almonds, apricots, cherries, pluots, and plums

# AGRICULTURAL QUICK FACTS

Kings County is ranked 11th among California counties in agricultural production. (2009)

Kings County is ranked 1st among California counties in the production of cotton lint. (2009)

Kings County is ranked 2nd among California counties in the production of cottonseed. (2009)

Kings County is ranked 3rd among California counties in the production of each of the following crops: apricots, nectarines, and plums. (2009)

Kings County produces 9.1% of all milk and cream in the state, making it the state's 5th largest producing county. (2009)

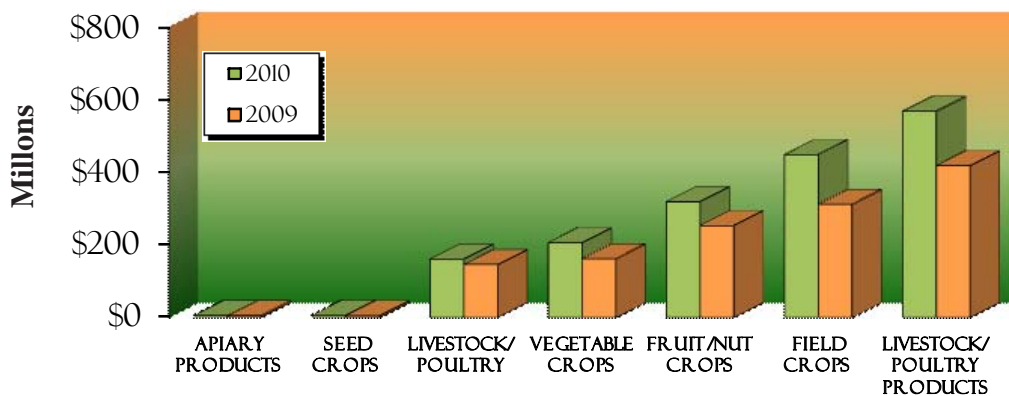


## 5 YEAR COMPARISON OF ACREAGE & CROP VALUES

	2010	2009	2008	2007	2006
<b>Apiary Products</b>	<b>\$6,548,000</b>	\$5,982,000	\$5,511,000	\$6,263,000	\$5,415,000
<b>Field Crops</b>	<b>\$448,935,000</b>	\$312,067,000	*\$493,355,000	\$427,716,000	\$364,106,000
<b>Acres</b>	<b>689,758</b>	644,285	*700,727	643,563	695,489
<b>Fruit and Nut Crops</b>	<b>\$319,122,000</b>	\$253,440,000	*\$243,697,000	\$316,357,000	\$252,347,000
<b>Acres</b>	<b>60,200</b>	57,668	*55,744	60,914	53,438
<b>Livestock and Poultry</b>	<b>\$161,417,000</b>	\$146,509,000	\$147,892,000	\$184,193,000	\$161,497,000
<b>Livestock and Poultry Products</b>	<b>\$568,050,000</b>	\$418,682,000	\$677,468,000	\$696,074,000	\$417,994,000
<b>Seed Crops</b>	<b>\$7,433,000</b>	\$5,652,000	\$8,763,000	\$10,802,000	\$12,962,000
<b>Acres</b>	<b>1,478</b>	3,990	6,404	13,319	21,907
<b>Vegetable Crops</b>	<b>\$206,466,000</b>	*\$177,931,000	\$160,051,000	\$120,447,000	\$74,865,000
<b>Acres</b>	<b>51,908</b>	*36,527	40,674	35,608	29,675
<b>TOTAL</b>	<b>\$1,717,971,000</b>	*\$1,320,263,000	*\$1,736,737,000	\$1,761,852,000	\$1,289,186,000

\* Revised

### 2010 AND 2009 PRODUCTION VALUE COMPARISONS



# TOP 10 COMMODITIES

<b>Crop</b>	<b>2010 Rank</b>	<b>Dollar Value</b>	<b>2009 Rank</b>	<b>2008 Rank</b>	<b>1960 Rank</b>
Milk, Total	1	\$556,002,000	1	1	4
Cotton, Total	2	\$244,441,000	2	2	1
Tomatoes, Processed	3	\$134,872,000	4	5	n/a
Cattle and Calves	4	\$129,451,000	3	3	2
Pistachios	5	\$73,644,000	5	8	n/a
Alfalfa, Total	6	\$67,319,000	6	4	5
Almonds, Total	7	\$54,562,000	9	12	n/a
Walnuts	8	\$52,160,000	8	11	17
Corn, Silage	9	\$51,166,000	7	6	14
Grapes, Total	10	\$35,347,000	10	14	12
<b>Total</b>		<b>\$1,398,964,000</b>			

## A LOOK BACK, 50 YEARS AGO.....1960 KINGS COUNTY'S TOP 10 COMMODITIES

<b>Crop</b>	<b>Rank</b>	<b>Dollar Value</b>
Cotton, Total	1	\$39,811,000
Cattle and Calves	2	\$13,328,000
Barley, Total	3	\$12,636,000
Milk, Total	4	\$10,071,000
Alfalfa, Total	5	\$8,489,000
Permanent Pasture	6	\$2,965,000
Cantaloupes	7	\$1,867,000
Turkeys	8	\$1,327,000
Peaches	9	\$1,218,000
Eggs, Chicken	10	\$1,092,000
<b>Total</b>		<b>\$92,804,000</b>

**Kings County's crop value in 1960 totaled \$101,874,000**

**“From breakfast, or noon at the latest, to dinner, I am mostly on horseback, attending to my farm or other concerns, which I find healthful to my body, mind, and affairs.” - Thomas Jefferson**

# KINGS COUNTY SUSTAINABLE AGRICULTURAL REPORT

## County Biological Control

Pest	Agent/Mechanism	Scope of Program
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformi</u>	Generally Distributed
	Seed Head Weevil <u>Microlarinus lareynii</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 Sites
	Gall Fly <u>Urophora sirunaseva</u>	1 Site
	Hairy Weevil <u>Eustenopus villosus</u>	3 Sites
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia parenorea</u>	Generally Distributed
Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic Wasp <u>Psyllaephagus bliteus</u>	1 Site
Silverleaf Whitefly <u>Bemisia argentifolii</u>	Parasitic Wasp <u>Eretmocerus sp.(M95104)</u>	6 Sites
	<u>Eretmocerus sp.(M95012)</u>	6 Sites
	<u>Eretmocerus mundus</u>	6 Sites

## County Pest Exclusion

Pest	Agent/Mechanism	Scope of Program
Glassy Winged Sharpshooter	Nursery Inspections	722 Shipments Inspected
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	68 Shipments Inspected
Various Pests	Truck Shipments	20,714 Units Inspected
Crops	Activity	Scope of Program
Export Commodities	Phytosanitary Certification	1,293 issued
Export Seed	Field Inspections	72 sites / 2,601 acres

# KINGS COUNTY SUSTAINABLE AGRICULTURAL REPORT

## County Pest Eradication

Pest	Agent/Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	98,635 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	3 Sites Treated

## County Pest Detection

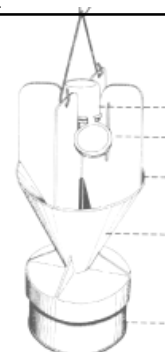
Pest	Number of Traps	Number of Servicings	Type of Trap
All Purpose Fruit Fly	116	972	Champ
Asian Citrus Psyllid	363	1896	Yellow Panel
European Corn Borer	13	123	Pherocon II
European Grape Vine Moth	302	2877	Delta Trap
European Pine Shoot Moth	5	15	Pherocon II
Glassy Wing Sharpshooter	109	1059	Yellow Panel
Gypsy Moth	80	515	Delta
Japanese Beetle	80	515	Japanese Beetle
Khapra Beetle	204	215	Trogo
Light Brown Apple Moth	214	2107	Jackson
Mediterranean Fruit Fly	214	2108	Jackson
Melon Fly	80	599	Jackson
Mexican Fruit Fly	101	1745	McPhail
Oriental Fruit Fly	80	957	Jackson
<b>Total</b>	<b>1,961</b>	<b>15,703</b>	



Jackson Trap



McPhail Trap



Japanese Beetle Trap

# EXPORT COMMODITIES

## Commodities Grown and Exported From Kings County

Alfalfa Seed	Cotton Seed	Onions
Apricots	Garlic	Onion Seed
Asparagus Seed	Grapes	Peaches
Blueberries	Kiwis	Pistachios
Cherries	Lettuce Seed	Plums
Cotton	Nectarines	Walnuts

## Export Trade Partners of Kings County in 2010

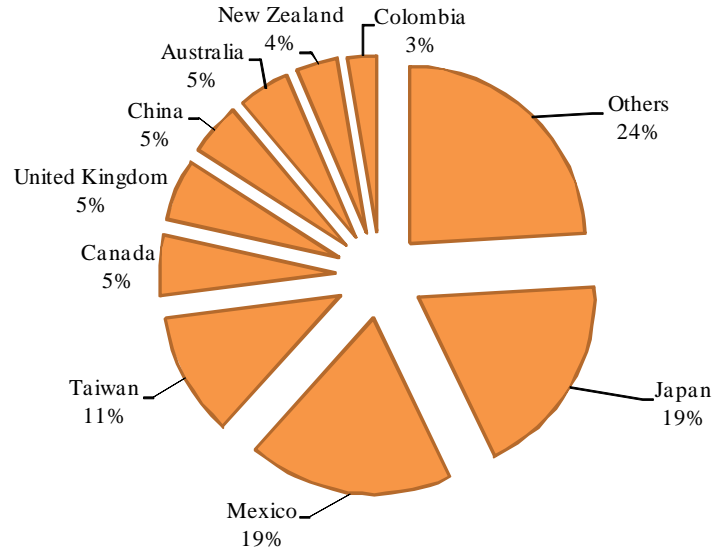
Argentina	Indonesia	Panama
Australia	Israel	Peru
Brazil	Italy	Philippines
Cambodia	Japan	Portugal
Canada	Jordan	Russian Federation
China	Korea, Republic of	Saudi Arabia
Colombia	Kuwait	South Africa
Costa Rica	Lebanon	Spain
Ecuador	Luxembourg	Taiwan
El Salvador	Malaysia	Thailand
France	Mexico	Turkey
Germany	Morocco	United Arab Emirates
Guatemala	Netherlands	United Kingdom
Honduras	New Zealand	Vietnam
Hong Kong		

***We value your feedback, talk with us...<http://kingscountyag.wordpress.com>***

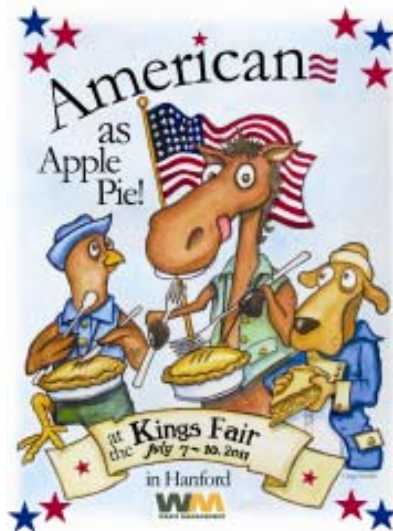
**To Learn More About The Kings County Department of Agriculture,  
Visit Our Web Site At: [www.countyofkings.com](http://www.countyofkings.com)**

# EXPORT PARTNERS

## TOP EXPORT COUNTRIES 2010



# FAIRS & EXPOSITIONS



801 S. 10th Ave. Hanford, CA 93230  
Phone (559) 584-3318

# CERTIFIED FARMERS MARKET

## Certified Farmer's Market

**Hanford Certified Farmer's Market**  
**116 W. Seventh Street**  
**Hanford, CA 93230**  
**Thursdays 5:30 P.M. to 8:30 P.M.**  
**May thru October - Irwin Street**

Almonds	Corn	Pears
Apples	Cucumbers	Pecans
Apricots	Eggs	Peppers
Apriums	Eggplant	Persimmons
Arugula	Figs	Pistachios
Asparagus	Fresh Cut Flowers	Plums
Avocados	Garlic	Pluots
Basil	Grapefruit	Pomegranates
Beans	Grapes	Pomelos
Beets	Green Beans	Pumpkins
Bell Peppers	Herbs	Quince
Blackberries	Honey	Radishes
Blueberries	Kiwifruit	Raisins
Boysenberries	Lillies	Soybeans
Broccoli	Lemons	Raspberries
Brussel Sprouts	Limes	Squash
Cabbage	Mandarins	Strawberries
Cactus Pears	Mistletoe	Swiss Chard
Camellias	Nectarines	Tangelos
Cantaloupes	Olives	Tay Berries
Cauliflower	Onions	Tomatoes
Cherries	Oranges	Walnuts
Chestnuts	Oregano	Watermelon
Chili Peppers	Peaches	Zucchini

# LAND USE

Surrounding Counties	2009 Rank	2009 Gross Value*	Total County Area Acres	Top Commodity	2009 Value	Acres or No. of Head
Fresno	1	\$5,372,009,000	3,840,000	Grapes	\$667,638,000	192,084
Tulare	2	\$4,046,355,000	3,112,320	Milk	\$1,228,975,000	632,000
Monterey	3	\$4,033,718,000	2,127,359	Strawberries	\$756,144,000	11,247
Kern	4	\$3,606,356,000	5,166,720	Grapes	\$664,499,000	72,400
<b>Kings</b>	<b>11</b>	<b>\$1,320,263,000</b>	<b>890,545</b>	<b>Milk</b>	<b>\$410,908,000</b>	<b>165,000</b>

\* Gross Value does not include timber.

# LAND USE SUMMARY

Land Use Category	2008		2006*		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	138,088	16	138,519	16	-431
Farmland of Statewide Importance	397,064	45	418,751	47	-21,687
Unique Farmland	22,927	3	25,336	3	-2,409
Farmland of Local Importance	10,024	1	8,852	1	+1,172
Grazing Land	257,746	29	235,156	26	+22,590
Urban and Built-Up Land	32,218	4	31,611	4	+607
Other Land	32,654	2	32,496	2	+158
Water Area	62	0	62	0	0
Total Acres	890,783		890,783		

From the California Department of Conservation

\* Revised



# KINGS COUNTY GENERAL INFORMATION

<b>County Seat</b>	<b>Hanford</b>
<b>County Population (2010)</b>	<b>152,982</b>
<b>Population per Square Mile</b>	<b>110</b>
<b>Total Assessed Value (2010)</b>	<b>\$8,599,525,681</b>
<b>Land Area (Square Miles)</b>	<b>1,391</b>
<b>Total Acres</b>	<b>890,545*</b>
<b>Total Harvested Crop Acreage (2009)</b>	<b>803,344</b>
<b>Foreign Ownership (2008)</b>	<b>4,009 (acres)</b>
<b>Total Farmland</b>	<b>810,887</b>
<b>Public Ownership of Land (Acres - 2008)</b>	
<b>Federal</b>	<b>27,313.76</b>
<b>State</b>	<b>4,015.99</b>
<b>County</b>	<b>1,421.61</b>
<b>Local Agencies</b>	<b>3,587.01</b>

**Agricultural production ranked 11th among California counties (based on 2009 total value).**

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

**Major Roads - Interstate 5, Highway 41, Highway 43 & Highway 198.**

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

**Elevation - 175 feet above sea level at Tulare Lake to 3500 feet above sea level at the Kings/ Monterey County line boundary.**

**Average length of growing season: 257 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 Kings County Community Development Agency

# RAINFALL - HANFORD, CA

YEAR	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1960-61	0.02	0.00	0.53	0.00	2.61	0.03	1.34	0.22	0.67	0.22	0.37	0.00	6.01
1961-62	0.00	0.00	0.00	0.00	1.11	1.28	0.71	4.88	1.06	0.00	0.11	0.00	9.15
1962-63	0.00	0.00	0.01	0.10	0.00	0.19	1.19	1.68	1.37	2.88	0.56	0.00	7.98
1963-64	0.00	0.00	0.33	0.75	1.23	0.31	0.61	0.02	0.94	0.64	0.20	0.17	5.20
1964-65	0.00	0.34	0.00	0.95	1.31	1.44	1.18	0.33	0.33	1.57	0.00	0.00	7.45
1965-66	0.00	0.05	0.07	0.05	2.15	1.97	0.63	0.71	0.10	0.00	0.07	0.00	5.80
1966-67	0.04	0.00	0.29	0.09	1.28	2.57	1.41	0.05	2.42	2.95	0.07	0.06	11.23
1967-68	0.00	0.00	0.31	0.00	1.99	0.50	0.62	0.64	1.00	0.50	0.08	0.23	5.87
1968-69	0.00	0.00	0.00	1.33	0.98	1.64	6.69	4.54	0.79	0.85	0.32	0.00	17.14
1969-70	0.07	0.00	0.15	0.05	0.51	0.70	1.60	1.33	1.42	0.14	0.00	0.21	6.18
1970-71	0.00	0.00	0.00	0.00	2.40	1.23	0.35	0.19	0.23	0.40	1.44	0.00	6.24
1971-72	0.00	0.00	0.04	0.06	0.41	1.87	0.04	0.35	0.00	0.23	0.00	0.00	3.00
1972-73	0.00	0.00	0.24	0.21	2.90	0.65	2.44	2.29	2.20	0.12	0.00	0.00	11.05
1973-74	0.00	0.00	0.00	0.76	0.46	0.94	2.97	0.13	1.75	0.03	0.00	0.00	7.04
1974-75	0.00	0.00	0.00	0.65	0.24	1.40	0.09	2.26	1.24	0.49	0.00	0.00	6.37
1975-76	0.00	0.00	0.98	0.76	0.05	0.22	0.00	2.94	0.19	1.47	0.03	0.00	6.64
1976-77	0.00	0.22	1.47	0.00	1.15	0.96	0.96	0.03	0.43	0.00	0.01	0.01	5.24
1977-78	0.00	0.00	0.00	0.05	0.06	2.85	2.22	5.05	4.12	1.71	0.00	0.07	16.13
1978-79	0.00	0.00	1.10	0.00	0.79	0.50	1.84	1.61	1.16	0.03	0.00	0.00	7.03
1979-80	0.04	0.00	0.08	0.41	0.62	0.41	2.90	2.71	1.28	0.05	0.04	0.00	8.54
1980-81	0.00	0.00	0.00	0.09	0.00	0.21	1.80	0.86	2.10	0.68	0.17	0.00	5.91
1981-82	0.00	0.00	0.00	0.76	1.08	0.29	0.84	0.33	3.52	1.75	0.00	0.00	8.57
1982-83	0.18	0.00	0.64	1.03	2.15	0.71	3.74	2.59	3.39	1.63	0.04	0.45	16.55
1983-84	0.00	0.05	0.82	0.43	1.66	1.22	0.01	0.42	0.27	0.18	0.00	0.00	5.06
1984-85	0.00	0.00	0.01	0.52	1.41	1.66	0.59	0.61	0.68	0.12	0.01	0.00	5.61
1985-86	0.05	0.00	0.00	0.54	2.11	0.56	1.46	2.60	3.40	0.45	0.00	0.00	11.17
1986-87	0.00	0.00	0.15	0.00	0.21	0.77	1.77	2.04	2.02	0.06	0.13	0.00	7.15
1987-88	0.00	0.00	0.00	0.86	0.72	1.74	1.37	0.40	0.93	2.65	0.07	0.05	8.79
1988-89	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	0.85	0.02	0.39	0.06	7.99
1989-90	0.00	0.00	0.67	0.32	0.20	0.53	1.79	1.02	0.30	0.97	0.87	0.00	6.67
1990-91	0.00	0.66	0.00	0.01	0.22	0.09	0.37	1.32	6.67	0.19	0.66	0.00	10.19
1991-92	0.00	0.00	0.11	0.38	0.14	1.32	1.40	3.32	0.85	0.10	0.00	0.36	7.98
1992-93	0.01	0.00	0.00	0.58	0.00	2.62	3.88	2.48	2.16	0.07	0.08	0.00	11.88
1993-94	0.00	0.00	0.24	0.24	0.68	0.66	1.45	1.02	0.70	0.69	0.00	0.26	5.94
1994-95	0.00	0.00	1.06	0.35	1.54	0.33	4.70	0.51	4.77	0.65	0.87	0.00	14.78
1995-96	0.00	0.00	0.00	0.00	0.00	1.59	1.79	2.55	2.15	0.89	0.16	0.00	9.13
1996-97	0.00	0.00	0.00	1.65	0.87	3.03	3.02	0.12	0.21	0.00	0.00	0.04	8.94
1997-98	0.00	0.00	0.06	0.09	1.96	1.80	2.00	4.05	2.60	1.68	1.31	0.00	15.55
1998-99	0.00	0.00	0.00	0.68	0.63	0.64	3.01	0.56	0.43	1.37	0.00	0.44	7.76
1999-00	0.00	0.00	0.00	0.15	0.00	0.00	1.08	3.28	1.59	0.97	0.48	0.00	7.55
2000-01	0.00	0.00	0.03	1.31	0.00	0.03	1.98	1.48	1.24	1.12	0.00	0.35	7.54
2001-02	0.09	0.00	0.00	0.18	1.84	1.99	0.87	0.31	1.04	0.03	0.01	0.00	6.36
2002-03	0.00	0.00	0.00	0.00	1.42	1.14	0.25	1.13	1.05	1.67	0.67	0.82	8.15
2003-04	0.00	0.00	0.00	0.07	0.47	2.05	0.97	2.32	0.25	0.01	0.02	0.00	6.16
2004-05	0.00	0.00	0.00	2.09	0.44	2.13	2.55	1.69	2.02	0.70	0.84	0.00	12.46
2005-06	0.00	0.00	0.02	0.01	0.21	1.15	3.07	0.48	2.60	2.98	0.54	0.00	11.06
2006-07	0.00	0.00	0.00	0.09	0.16	0.90	0.61	0.90	0.22	0.27	0.01	0.00	3.16
2007-08	0.00	0.05	0.32	0.30	0.10	1.17	1.86	1.10	0.00	0.00	0.10	0.00	5.00
2008-09	0.00	0.00	0.00	0.14	1.03	1.36	0.60	1.43	0.21	0.03	0.43	0.37	5.60
2009-10	0.00	0.00	0.20	1.31	0.23	1.27	2.30	1.93	0.31	1.63	0.32	0.00	9.50
2010-11	0.00	0.00	0.00	0.76	1.24	5.29							
<b>AVERAGE</b>	0.01	0.03	0.20	0.41	0.90	1.14	1.64	1.54	1.42	0.76	0.23	0.08	8.35

**50 YEAR AVERAGE RAINFALL**



**2011**

**KINGS COUNTY  
AGRICULTURAL  
CROP REPORT**

# JACK STONE

## Agricultural Icon

Just mention “Jack Stone’s Barn” and nearly everyone around would know the place you are referring to. The barn just northwest of Lemoore was built by lifelong resident Jack Stone, and has been the gathering place for untold events throughout the years, including weddings, anniversaries, meetings, and various other social activities. For most people involved in the farming community though, Jack was more than an event host. He was an innovative pioneer with a vision of agriculture for the region that laid the foundation for many others to follow after him.

Jack Guthrie Stone was born November 11, 1917 in Corcoran, California to parents L.M. (Stoney) and Elaine Stone. Growing up, Jack was what you might call a social butterfly, which made him many friends both young and old. The family moved to the “big city” of Hanford in 1927 and Jack would catch the farming bug by following his father around surveying and establishing section corners on the west side of Kings County and the Tulare Lake bottom. Seeing all the huge sections of open ground and all the activities associated with farming made quite an impression on young Jack. He attended Hanford High School and upon graduating in 1936 went on to attend U.C. Davis to study engineering. According to Jack, his time at Davis was spent “theoretically learning to be a better farmer”. His farming career started in 1939 with a leased ranch near Five Points, California where he drilled his first well at the age of 22. Upon the breakout of World War II, Jack sold the ranch and joined the Army, where his engineering skills were put to use building airstrips in England, France and Germany. On a seven-day leave pass he married the love of his life, Hilda Orchard, a classmate from elementary school. They were married for 61 years before her death in June of 2003. After reaching the rank of Captain in the Army Corps of Engineers, Jack returned home to form the J.G. Stone Land Company. The couple had two sons, John and Bill. John died in an accident in 1975. Bill continues to run the family operation today.

The times of San Joaquin Valley land titans such as Jack O’Neill, Frank Diener and Russel Giffen (who farmed 100,000 acres at his peak) had passed by the early 1970’s. Jack Stone was a “Gentleman Farmer” who did things the old fashion way using integrity, sealed with a handshake. Jack led the crusade to fight federal acreage limits in the early 1980s. He served on the Westlands Water District Board, the largest water district in the world, for 21 years - 17 as president. Jack’s term as president included some tough times, including signing the order that would stop irrigation drainage from going into the Kesterson Wildlife Refuge. With his foresight, commonsense and straightforward way of explaining the water situation, Congress eventually relaxed the 160 acre size limit for farms receiving federal water. It was expanded to 960 acre parcels for each family member.

As Jack Stone’s family and operation grew, so did the number of awards he received along the way. He was inducted into the Cotton Hall of Fame in 1992. He received the Kings County Agriculturalist of the Year award in 1995, and a similar Agriculturalist of the Year award from the Greater Fresno Area Chamber of Commerce in 2002. Jack was Grand Marshall for Kings County Homecoming in 2003. He served as President of both the Western Cotton Growers Association and National Cotton Council. His most recent activity was as a board member on the California Farm Water Coalition. Before falling ill and being hospitalized Jack, as he had for many years, would start his week by going out for Monday breakfast at the local cafe. He passed away on May 17, 2011. This year’s Kings County Crop Report is dedicated to Mr. Jack Stone. We thank him for his leadership, vision and hard work to bring agriculture to what it is in present-day Kings County. His life story is one of inspiration for all families involved in Agriculture.



*\*\* Our thanks to the Stone family for sharing their precious stories and photos for this year’s crop report.*



## Department of Agriculture / Measurement Standards

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**TIM NISWANDER**

Agricultural Commissioner  
Sealer of Weights and Measures

June 5, 2012

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 2011 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 only gross values and do not represent net income or loss to producers.

The gross value of all agricultural crops and products produced during 2011 in Kings County was \$2,219,529,000. This represents an increase of \$501,558,000 (29.2%) from the 2010 value and is a record high figure for the county.

Nearly all crop categories increased in value. Apiary Products increased \$108,000 (1.6%) attributed to increased pollination acres and price per colony. Field Crops increased \$163,974,000 (36.5%) due primarily to increased cotton acreage and yield, as well as the alfalfa hay price. Fruit and Nut Crops increased \$92,966,000 (29.1%) due in large part to increased production and price across the board, especially in nuts. Livestock and Poultry increased \$30,436,000 (18.9%) due to more cattle and calves sold and at a higher price. Livestock and Poultry Products increased \$243,473,000 (42.9%) due to increased milk production and price. Seed Crops increased \$52,000 (.7%) due to increased acreage.

Vegetable Crops were the only category to decrease, declining by \$29,451,000 (14.3%) due mainly to a decrease in processing tomato acreage.

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 Robbie Coelho, Agricultural and Standards Inspector, and Steve Schweizer, Deputy Agricultural Commissioner/Sealer, with assistance from Janet Eckles, Agricultural and Standards Inspector.

Respectfully Submitted,

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**COUNTY ADMINISTRATION  
AG COMMISSIONER - SEALER PERSONNEL**

**Kings County Board of Supervisors**

Joe A. Neves..... District I                      Richard Valle..... District II  
Doug Verboon..... District III                      Tony Barba..... District IV  
Richard Fagundes.....District V

**County Administrative Officer**

Larry Spikes

**Agricultural Commissioner - Sealer of Weights and Measures**

Tim Niswander

**Deputy Agricultural Commissioner - Sealers**

Rusty Lantsberger      Steve Schweizer

**Deputy Agricultural Commissioner**

Jimmy Hook

**Agricultural and Standards Inspectors**

Tom Chambers              Janet Eckles              Mario Gutierrez              Alfredo Prieto  
Robbie Coelho              Vince Evans              Michael Leoni              Robert Torrez  
Bill DeRaad              Garen Goodreau              Rafael Perla

**Agricultural Computer Systems Coordinator**

Lynda Schrupf

**Agricultural and Standards Aides**

Frank Batista              Carey Smith              Kaytee Colvard

**Executive Secretary**

Jennifer Rios

**Account Clerk**

Sonia Borges

**Office Assistants**

Shanna Vickers      Sue Shanahan

# FRUIT & NUT CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Almond	2011	15,461	1.25	19,326	TON	\$3,890.00	\$75,178,000
	2010	14,376	1.00	14,376	TON	\$3,580.00	\$51,466,000
Almond Hulls	2011			38,596	TON	\$131.00	\$5,056,000
	2010			28,895	TON	\$103.00	\$2,976,000
Almond Shells	2011			9,649	TON	\$20.90	\$202,000
	2010			7,224	TON	\$16.60	\$120,000
Apricots Fresh	2011	993	6.00	5,958	TON	\$1,890.00	\$11,261,000
	2010	847	2.75	2,329	TON	\$2,810.00	\$6,544,000
Cherries	2011	1,472	3.40	5,005	TON	\$5,010.00	\$25,075,000
	2010	1,455	4.89	7,115	TON	\$3,950.00	\$28,104,000
Firewood	2011			1,075	CORD	\$136.00	\$146,000
	2010			1,181	CORD	\$166.00	\$196,000
Grapes Raisin Varieties	2011						
	Fresh, Table			149	TON	\$1,820.00	\$271,000
	Dried			6,124	TON	\$1,600.00	\$9,798,000
	Crushed			0	TON		
	Canned			405	TON	\$250.00	\$101,000
<b>Total</b>		<b>1,803</b>		<b>6,678</b>	<b>TON</b>		<b>\$10,170,000</b>
Grapes Raisin Varieties	2010						
	Fresh, Table			138	TON	\$1,550.00	\$214,000
	Dried			3,443	TON	\$1,440.00	\$4,958,000
	Crushed			604	TON	\$268.00	\$162,000
	Canned			174	TON	\$280.00	\$49,000
<b>Total</b>		<b>1,915</b>		<b>4,359</b>	<b>TON</b>		<b>\$5,383,000</b>
Grapes Table Varieties	2011	975	12.14	11,837	TON	\$1,490.00	\$17,637,000
	2010	1,248	11.25	14,040	TON	\$1,260.00	\$17,690,000
Grapes Wine Varieties	2011	3,481	15.46	53,816	TON	\$309.00	\$16,629,000
	2010	3,784	12.72	48,132	TON	\$255.00	\$12,274,000
Grapes Total	2011	6,259					\$44,436,000
	2010	6,947					\$35,347,000



# FRUIT & NUT CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Nectarines	2011	2,215	8.80	19,492	TON	\$1,210.00	\$23,585,000
	2010	2,370	6.79	16,092	TON	\$1,050.00	\$16,897,000
Peaches Cling	2011	556	17.70	9,841	TON	\$292.00	\$2,874,000
	2010	782	19.76	15,452	TON	\$286.00	\$4,419,000
Peaches Freestone	2011	2,800	7.65	21,420	TON	\$1,160.00	\$24,847,000
	2010	3,098	6.21	19,239	TON	\$865.00	\$16,642,000
Peaches Freezer	2011	268	20.09	5,384	TON	\$261.00	\$1,405,000
	2010	203	17.11	3,473	TON	\$279.00	\$969,000
Peaches Total	2011	3,624					\$29,126,000
	2010	4,083					\$22,030,000
Pistachios	2011	14,789	1.40	20,705	TON	\$3,920.00	\$81,164,000
	2010	11,160	1.41	15,736	TON	\$4,680.00	\$73,644,000
Plums	2011	2,475	6.93	17,152	TON	\$1,270.00	\$21,783,000
	2010	2,671	5.09	13,595	TON	\$994.00	\$13,513,000
Pomegranates Fresh a/	2011						
	2010	208	1.79	372	TON	\$1,820.00	\$677,000
Pomegranates Juice a/	2011						,000
	2010	3,708	6.05	22,433	TON	\$295.00	\$6,618,000
Walnuts	2011	11,498	2.25	25,871	TON	\$2,780.00	\$71,921,000
	2010	11,554	2.09	24,148	TON	\$2,160.00	\$52,160,000
Other b/	2011	5,007					\$23,155,000
	2010	821					\$8,830,000
TOTAL	2011	63,793					\$412,088,000
	2010	60,200					\$319,122,000

a/ Currently included in "Other".

b/ Includes apples, blackberries, blueberries, jujube, kiwifruit, oranges, pecans, persimmons, pluots, pomegranates, prunes, quince, strawberries, and tangerines.

# FIELD CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Alfalfa, Hay	2011	47,768	8.14	388,832	TON	\$241.00	\$93,709,000
	2010	62,379	7.58	472,833	TON	\$136.00	64,305,000
Alfalfa, Silage	2011	5,952	3.51	20,892	TON	\$49.00	\$1,024,000
	2010	11,360	3.08	34,989	TON	\$29.20	\$1,022,000
Alfalfa, Silage All Year	2011	1,654	31.88	52,730	TON	\$51.40	\$2,710,000
	2010	2,188	30.00	65,640	TON	\$24.40	\$1,602,000
Alfalfa, Stubble	2011	11,942				\$25.00	\$299,000
	2010	15,595				\$25.00	\$390,000
Barley, Silage a/	2011	3,008	8.00	24,064	TON	\$36.70	\$883,000
	2010	700	9.13	6,391	TON	22.00	\$141,000
Beans, Dry	2011	764	1.25	955	TON	\$745.00	\$711,000
	2010	2,703	1.25	3,379	TON	\$715.00	\$2,416,000
Corn Grain	2011	4,582	4.99	22,864	TON	233.00	\$5,327,000
	2010	3,574	5.07	18,120	TON	\$165.00	\$2,990,000
Corn Silage	2011	57,220	25.92	1,483,142	TON	48.60	\$72,081,000
	2010	56,745	26.06	1,478,775	TON	\$34.60	\$51,166,000
Cotton, Acala - Lint c/	2011	22,995	3.00	68,985	495 lbs.	\$569.00	\$39,252,000
	2010	17,870	2.83	50,572	495 lbs.	\$553.00	\$27,966,000
Cotton, Acala - Seed	2011			29,819	TON	\$315.00	\$9,393,000
	2010			21,918	TON	\$284.00	\$6,225,000
Cotton, Pima - Lint c/	2011	109,900	2.68	294,532	495 lbs.	\$806.00	\$237,393,000
	2010	83,417	2.48	206,874	495 lbs.	\$897.00	\$185,566,000
Cotton Pima - Seed	2011			127,489	TON	\$315.00	\$40,159,000
	2010			89,436	TON	\$276.00	\$24,684,000

# FIELD CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Oat, Hay	2011	3,723	3.04	11,318	TON	\$152.00	\$1,720,000
	2010	4,329	2.45	10,606	TON	\$85.60	\$908,000
Oat, Silage	2011	956	9.39	8,977	TON	\$35.90	\$322,000
	2010	1,321	13.89	18,349	TON	\$22.50	\$413,000
Pasture, Irrigated	2011	1,132				\$160.00	\$181,000
	2010	9,316				\$150.00	\$1,397,000
Pasture, Range	2011	270,699				23.10	\$6,253,000
	2010	248,430				\$13.20	\$3,279,000
Sorghum, Milo b/	2011	2,084	13.93	29,030	TON	\$37.90	\$1,100,000
	2010						
Sorghum, Silage	2011	9,877	14.01	138,377	TON	\$38.60	\$5,341,000
	2010	6,910	18.37	126,937	TON	\$27.70	\$3,516,000
Sudan, Hay	2011	1,086	4.63	5,028	TON	\$152.00	\$764,000
	2010	376	3.01	1,132	TON	\$109.00	\$123,000
Sudan, Silage	2011	1,741	11.47	19,969	TON	\$36.80	\$735,000
	2010	269	13.55	3,645	TON	\$35.90	\$131,000
Triticale, Silage	2011	2,858	15.92	45,499	TON	\$37.50	\$1,706,000
	2010	3,823	13.65	52,184	TON	\$22.40	\$1,169,000
Wheat, Grain	2011	57,603	3.03	174,537	TON	\$241.00	\$42,063,000
	2010	56,322	3.08	173,472	TON	\$203.00	\$35,215,000
Wheat, Silage	2011	51,508	15.89	818,462	TON	\$39.60	\$32,411,000
	2010	48,883	17.29	845,187	TON	\$25.70	\$21,721,000
Wheat, Straw c/	2011						
	2010	22,003	1.23	27,064	TON	\$67.60	\$1,830,000

# FIELD CROPS

Crop	Year	Harvested Production		Unit	Value	
		Acres	Per Acre		Per Unit	Total
Other d/	2011	48,312		TON		\$17,372,000
	2010	31,245		TON		\$10,760,000
TOTAL	2011	717,364				\$612,909,000
	2010	689,758				\$448,935,000

a/ 495 lbs. = 1 bale

b/ Previously included in "Other".

c/ Currently included in "Other".

d/ Barley Grain, Corn Human Consumption, Corn Earldige, Forage, Hay-Other, Ryegrass, Safflower, Sugar Beets-Silage, Wheat Hay, and Wheat Straw.

## JACK STONE'S BARN



"Red Rock Saloon"



"The early years"



"Silver City Bank"

## AGRICULTURAL EFFICIENCY...

### Production Per Acre Comparison For Miscellaneous Crops 2011- 1961

Crop	2011		1961	
	Production/Acre	Unit	Production/Acre	Unit
Corn, Grain	5.07	Tons	1.98	Tons
Corn Silage	26.06	Tons	16.41	Tons
Cotton	2.54	Bales	1.88	Bales
Walnuts	2.09	Tons	0.78	Tons
Wheat	2.89	Tons	.88	Tons

# VEGETABLE & SEED CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
<b>Melons, All a/</b>	<b>2011</b>						
	2010	1,121	20.82	23,339	TON	\$256.00	\$5,975,000
<b>Seed Crops b/</b>	<b>2011</b>	<b>1,732</b>					<b>\$7,485,000</b>
	2010	1,478					\$7,433,000
<b>Tomatoes, Processed</b>	<b>2011</b>	<b>31,155</b>	<b>55.81</b>	<b>1,738,761</b>	<b>TON</b>	<b>\$67.60</b>	<b>\$117,540,000</b>
	2010	38,357	54.60	2,094,292	TON	\$64.40	\$134,872,000
<b>Other c/</b>	<b>2011</b>	<b>10,635</b>					<b>\$59,475,000</b>
	2010	12,430					\$65,619,000
<b>TOTAL</b>	<b>2011</b>	<b>43,522</b>					<b>\$184,500,000</b>
	2010	53,386					\$213,899,000

a/ Currently included in "Other".

b/ Asparagus, bermuda, corn, cotton certified, lettuce, and onion.

c/ Asparagus, bell peppers, broccoli, cabbage, cantaloupe, carrots, carrot transplants, cauliflower, corn sweet, eggplant garlic processed, garlic fresh, melons misc., onions fresh, onions processed, onion transplants, peppers misc., pumpkins, radicchio, squash, tomatoes fresh, and tomato transplants.

# ORGANIC PRODUCTION

Kings County had 21 certified organic growers in 2011 producing on 10,964 acres. The following organic crops were produced in the county: almonds, apples, apricots, asparagus, beans, bell peppers, broccoli, carrots, cauliflower, cherries, dairy, figs, kiwis, nectarines, onions, outdoor flowers, peaches, pears, persimmons, pistachios, pomegranates, plums, pluots, quince, raisins, squash, processed tomatoes, walnuts, and wheat. The crop values are included in their respective commodity groups.



# INVENTORIES OF LIVESTOCK & POULTRY

Item	January 1, 2011 Number of Head	January 1, 2010 Number of Head
<b>Cattle and Calves a/</b>		
All	355,000	340,000
Dairy Cows 2 Years and Over	188,416	191,339 b/
Cattle and Calves on Feed	7,200	6,900
Other	159,384	141,761 b/
<b>Sheep and Lambs</b>	12,896	9,747
Goats	11,418	8,596
Hogs and Pigs	122	118
Turkeys	2,508,258	2,570,806

a/ USDA figures

b/ Revised

## LIVESTOCK & POULTRY

Item	Year	Number of Head	Total Liveweight	Unit	Value Per Unit	Total
Cattle and Calves a/	2011	211,430	2,382,799	Cwt.	\$65.60	\$156,312,000
	2010	199,805	2,275,058	Cwt.	\$56.90	\$129,451,000
Sheep and Lambs b/	2011					
	2010	8,206	9,772	Cwt.	\$123.00	\$1,202,000
Turkeys	2011	2,508,258	53,744,682	lb.	\$0.62	\$33,322,000
	2010	2,470,105	50,859,570	lb.	\$0.60	\$30,516,000
Other c/	2011	39,635				\$2,219,000
	2010	25,465				\$248,000
<b>TOTAL</b>	2011					<b>\$191,853,000</b>
	2010					\$161,417,000

a/ Includes breeding stock value in total.

b/ Currently included in "Other".

c/ Includes chickens, goats, hogs, pigs, sheep, and lambs.

# LIVESTOCK & POULTRY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Eggs, Chicken Market	2011	2,132,670	Doz.	\$1.29	\$2,751,000
	2010	2,068,575	Doz.	\$1.41	\$2,917,000
Manure	2011	1,326,029	Ton	\$6.89	\$9,136,000
	2010	1,323,350	Ton	\$6.83	\$9,038,000
Milk, Market	2011	43,364,473	Cwt.	\$18.27	\$792,269,000
	2010	41,587,564	Cwt.	\$13.20	\$548,956,000
Milk, Mfg.	2011	208,419	Cwt.	\$18.74	\$3,906,000
	2010	262,423	Cwt.	\$14.39	\$3,776,000
Milk, Goats	2011	87,242	Cwt.	\$37.07	\$3,234,000
	2010	83,708	Cwt.	\$39.06	\$3,270,000
Milk Total	2011	43,660,134	Cwt.		\$799,409,000
	2010	41,933,695	Cwt.		\$556,002,000
Wool a/	2011	103,168	lb.	\$2.20	\$227,000
	2010	77,976	lb.	\$1.19	\$92,800
TOTAL	2011				\$811,523,000
	2010				\$568,050,000

a/ Price does not include incentive

## Interesting Note...

The most prolific milk producing cow the world has ever known, No. 289, lived in this county for 19 years and gave 54,070 gallons of milk - enough to fill more than eight 60-foot tanker trucks.

# APIARY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Honey	2011	620,312	lb.	\$1.51	\$937,000
	2010	1,041,585	lb.	\$1.40	\$1,458,000
Beeswax	2011	13,200	lb.	\$2.23	\$29,400
	2010	12,030	lb.	\$2.20	\$26,500
Seed Alfalfa	2011	0	Colonies		
	2010	1,148	Colonies	\$32.00	\$36,700
Tree Fruit/Nut a/	2011	39,141	Colonies	\$144.00	\$5,636,000
	2010	36,266	Colonies	\$136.00	\$4,932,000
Melons	2011	545	Colonies	\$30.00	\$16,400
	2010	1,123	Colonies	\$27.50	\$30,900
Vegetable Seed	2011	1,505	Colonies	\$25.00	\$37,600
	2010	2,565	Colonies	\$25.00	\$64,100
<b>TOTAL</b>	2011				<b>\$6,656,000</b>
	2010				\$6,548,000

a/ Almonds, apricots, cherries, pluots, and plums

# AGRICULTURAL QUICK FACTS

Kings County is ranked 9th among California counties in agricultural production. (2010)

Kings County is ranked 1st among California counties in the production of cotton lint and cotton seed. (2010)

Kings County is ranked 2nd among California counties in the production of processing tomatoes. (2010)

Kings County is ranked 3rd among California counties in the production of apricots and nectarines. (2010)

Kings County is ranked 4th among California counties in the production of the following commodities: milk and cream, plums, silage, turkeys, and wheat (2010)

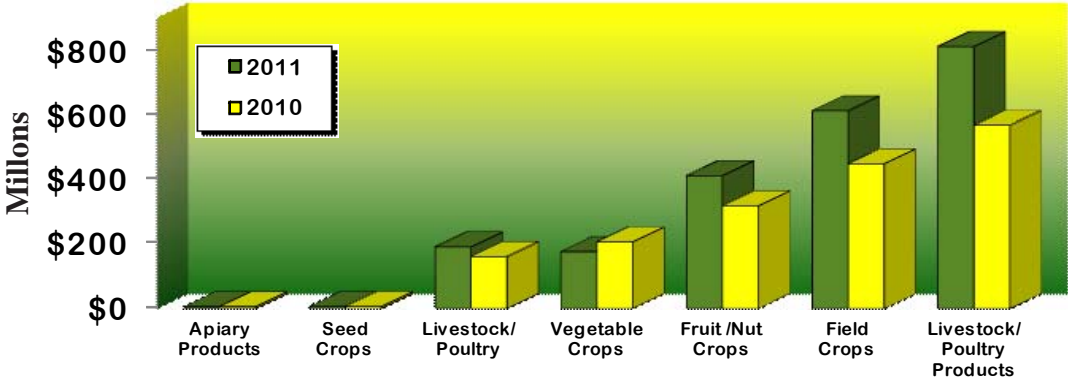


# 5 YEAR COMPARISON OF ACREAGE AND CROP VALUES

	2011	2010	2009	2008	2007
Apiary Products	\$6,656,000	\$6,548,000	\$5,982,000	\$5,511,000	\$6,263,000
Field Crops	\$612,909,000	\$448,935,000	\$312,067,000	*\$493,355,000	\$427,716,000
Acres	717,364	689,758	644,285	*700,727	643,563
Fruit and Nut Crops	\$412,088,000	\$319,122,000	\$253,440,000	*\$243,697,000	\$316,357,000
Acres	63,793	60,200	57,668	*55,744	60,914
Livestock and Poultry	\$191,853,000	\$161,417,000	\$146,509,000	\$147,892,000	\$184,193,000
Livestock and Poultry Products	\$811,523,000	\$568,050,000	\$418,682,000	\$677,468,000	\$696,074,000
Seed Crops	\$7,485,000	\$7,433,000	\$5,652,000	\$8,763,000	\$10,802,000
Acres	1,732	1,478	3,990	6,404	13,319
Vegetable Crops	\$177,015,000	\$206,466,000	*\$177,931,000	\$160,051,000	\$120,447,000
Acres	41,790	51,908	*36,527	40,674	35,608
<b>TOTAL</b>	<b>\$2,219,529,000</b>	<b>\$1,717,971,000</b>	<b>*\$1,320,263,000</b>	<b>*\$1,736,737,000</b>	<b>\$1,761,852,000</b>

\* Revised

## 2011 AND 2010 PRODUCTION VALUE COMPARISONS



# TOP 10 COMMODITIES

<b>Crop</b>	<b>2011 Rank</b>	<b>Dollar Value</b>	<b>2010 Rank</b>	<b>2009 Rank</b>	<b>1961 Rank</b>
Milk, Total	1	\$799,409,000	1	1	4
Cotton, Total	2	\$326,197,000	2	2	1
Cattle and Calves	3	\$156,312,000	4	3	2
Tomatoes, Processed	4	\$117,540,000	3	4	n/a
Alfalfa, Total	5	\$97,742,000	6	6	5
Pistachios	6	\$81,164,000	5	5	5
Almonds, Total	7	\$80,436,000	7	9	n/a
Corn, Silage	8	\$72,081,000	8	7	13
Walnuts	9	\$71,921,000	9	8	15
Grapes, Total	10	\$44,436,000	10	10	7
		\$1,847,238,000			

## A Look Back, 50 Years Ago.....1961 Kings County's Top 10 Commodities

<b>Crop</b>	<b>Rank</b>	<b>Dollar Value</b>
Cotton, Total	1	\$38,623,000
Cattle and Calves	2	\$14,348,000
Barley, Total	3	\$13,444,000
Milk, Total	4	\$10,481,000
Alfalfa, Total	5	\$8,828,000
Permanent Pasture	6	\$2,535,000
Grapes, Total	7	\$2,026,000
Peaches	8	\$1,970,000
Cantaloupes	9	\$1,559,000
Turkeys	10	\$1,103,000
<b>Total</b>		\$94,917,000

**Kings County's crop value in 1961 totaled \$103,864,305**

**"The farmer has to be an optimist or he wouldn't still be a farmer." - Will Rogers**

# KINGS COUNTY SUSTAINABLE AGRICULTURAL REPORT

## County Biological Control

Pest	Agent/Mechanism	Scope of Program
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformi</u>	Generally Distributed
	Seed Head Weevil <u>Microlarinus lareynii</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 Sites
	Gall Fly <u>Urophora sirunaseva</u>	1 Site
	Hairy Weevil <u>Eustenopus villosus</u>	3 Sites
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia parenorea</u>	Generally Distributed
Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic Wasp <u>Psyllaephagus bliteus</u>	1 Site
Silverleaf Whitefly <u>Bemisia argentifolii</u>	Parasitic Wasp <u>Eretmocerus sp.(M95104)</u>	6 Sites
	<u>Eretmocerus sp.(M95012)</u>	6 Sites
	<u>Eretmocerus mundus</u>	6 Sites

## County Pest Exclusion

Pest	Agent/Mechanism	Scope of Program
Glassy Winged Sharpshooter	Nursery Inspections	459 Shipments Inspected
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	17 Shipments Inspected
Various Pests	Truck Shipments	25,028 Units Inspected
Crops	Activity	Scope of Program
Export Commodities	Phytosanitary Certification	1,354 Issued
Export Seed	Field Inspections	41 Sites / 874 Acres

# KINGS COUNTY SUSTAINABLE AGRICULTUAL REPORT

## County Pest Eradication

Pest	Agent/Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	132,895 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	219 Sites Treated

## County Pest Detection

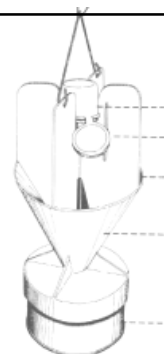
Pest	Number of Traps	Number of Servicings	Type of Trap
All Purpose Fruit Fly	120	972	Champ
Asian Citrus Psyllid	357	3705	Yellow Panel
European Corn Borer	13	179	Pherocon II
European Grape Vine Moth	375	7316	Delta
European Pine Shoot Moth	5	34	Pherocon II
Glassy Wing Sharpshooter	76	1370	Yellow Panel
Gypsy Moth	79	527	Delta
Japanese Beetle	79	527	Japanese Beetle
Khapra Beetle	204	204	Trogo
Light Brown Apple Moth	188	1647	Jackson
Mediterranean Fruit Fly	188	1875	Jackson
Melon Fly	75	793	Jackson
Mexican Fruit Fly	98	2065	McPhail
Oriental Fruit Fly	83	875	Jackson
<b>Total</b>	<b>1,940</b>	<b>22,089</b>	



Jackson Trap



McPhail Trap



Japanese Beetle Trap

# EXPORT COMMODITIES

## Commodities Grown and Exported From Kings County

Alfalfa Seed	Cotton Seed	Onions
Apricots	Garlic	Onion Seed
Asparagus Seed	Grapes	Peaches
Blueberries	Kiwis	Pistachios
Broccoli Seed	Lettuce Seed	Plums
Cherries	Nectarines	Walnuts
Cotton		

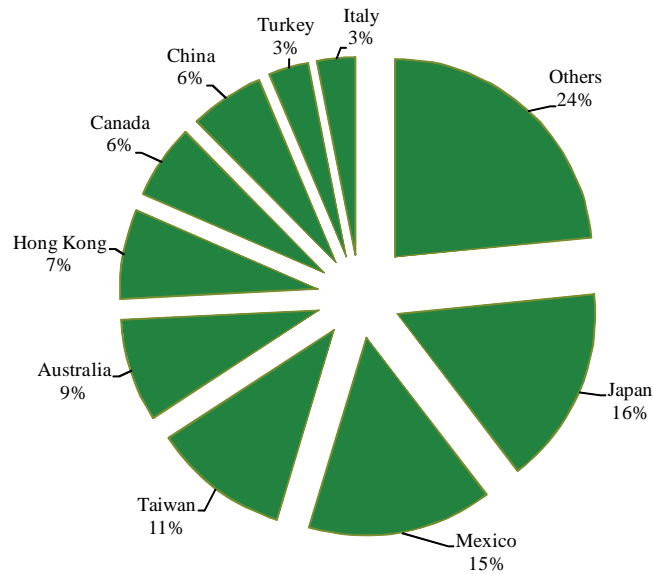
## Export Trade Partners of Kings County in 2011

Argentina	Hong Kong	Panama
Australia	Indonesia	Peru
Brazil	Israel	Philippines
Canada	Italy	Portugal
Chile	Japan	Quatar
China	Korea, Republic of	Republic of Kosovo
Colombia	Latvia	Russian Federation
Costa Rica	Libyan Arab Jamahiriya	Saudi Arabia
Ecuador	Luxembourg	Spain
El Salvador	Malaysia	Switzerland
Fiji	Mexico	Taiwan
France	Morocco	Thailand
Germany	Netherlands	Turkey
Greece	New Caledonia	United Arab Emirates
Guatemala	New Zealand	United Kingdom
Honduras	Oman	Vietnam

To Learn More About The Kings County Department of Agriculture,  
Visit Our Web Site At: [www.countyofkings.com](http://www.countyofkings.com)

# EXPORT PARTNERS

## Top Export Countries 2011



# FAIRS AND EXPOSITIONS



801 S. 10th Ave. Hanford, CA 93230  
Phone (559) 584-3318

# CERTIFIED FARMERS MARKET

## Certified Farmer's Market

Hanford Certified Farmer's Market  
116 W. Seventh Street  
Hanford, CA 93230  
Thursdays 5:30 P.M. to 8:30 P.M.  
May thru October - Irwin Street

Almonds	Dill	Peaches
Apples	Eggs	Peanuts
Apricots	Eggplant	Pears
Apriums	Fennel	Peas
Artichokes	Figs	Pecans
Arugula	Fresh Cut Flowers	Peppers
Asparagus	Garlic	Persimmons
Avocados	Grapefruit	Pistachios
Basil	Grapes	Plums
Bay Leaves	Green Beans	Pluots
Beans	Guava	Pomegranates
Beets	Herbs	Potatoes
Bell Peppers	Honey	Pumpkins
Blackberries	Honeydew Melons	Radishes
Blueberries	Kale	Raisins
Bok Choy	Kiwifruit	Raspberries
Boysenberries	Leeks	Sage
Broccoli	Lemons	Soybeans
Brussel Sprouts	Lettuce	Spinach
Cabbage	Limes	Squash
Cactus	Mandarins	Strawberries
Camellias	Melons	Sunflowers
Cantaloupes	Mint	Swiss Chard
Carrots	Mistletoe	Tangerines
Catnip	Nectarines	Tarragon
Cauliflower	Okra	Tay Berries
Celery	Olallieberries	Tomatoes
Cherries	Olives	Satsumas
Chestnuts	Onions	Walnuts
Chili Peppers	Oranges	Watermelon
Cilantro	Oregano	Zinnias
Corn	Parsley	Zucchini
Cucumbers		

# LAND USE

Surrounding Counties	2010 Rank	2010 Gross Value*	Total County Area Acres	Top Commodity	2010 Value	Acres or No. of Head
Fresno	1	\$5,943,848,000	3,840,000	Grapes	\$820,300,000	188,970
Tulare	2	\$4,863,706,000	3,112,320	Milk	\$1,604,172,000	502,395
Kern	3	\$4,757,261,000	5,166,720	Grapes	\$703,961,000	74,000
Monterey	4	\$4,006,240,000	2,127,359	Strawberries	\$751,114,000	10,664
<b>Kings</b>	<b>11</b>	<b>\$1,717,971,000</b>	<b>890,545</b>	<b>Milk</b>	<b>\$556,002,000</b>	<b>191,339</b>

\* Gross Value does not include timber.

# LAND USE SUMMARY

Land Use Category	2010		2008		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	130,257	15	138,089	16	-7,832
Farmland of Statewide Importance	388,891	44	397,065	45	-8,174
Unique Farmland	21,801	2	22,928	3	-1,127
Farmland of Local Importance	11,138	1	10,022	1	+1,116
Grazing Land	271,831	31	257,746	29	+14,085
Urban and Built-Up Land	35,847	4	32,220	4	+3,627
Other Land	30,959	3	32,654	2	-1,695
Water Area	62	0	62	0	0
Total Acres	890,786		890,786		

From the California Department of Conservation

“Trade increases the wealth and glory of a country; but its real strength and stamina are to be looked for among the cultivators of the land.” - William Pitt



# KINGS COUNTY GENERAL INFORMATION

<b>County Seat</b>	<b>Hanford</b>
<b>County Population (1/1/2012)</b>	<b>152,419*</b>
<b>Population per Square Mile</b>	<b>110</b>
<b>Total Assessed Value (2011)</b>	<b>\$8,688,651,716</b>
<b>Land Area (Square Miles)</b>	<b>1,391</b>
<b>Total Acres</b>	<b>890,545**</b>
<b>Total Harvested Crop Acreage (2011)</b>	<b>824,679</b>
<b>Total Farmland</b>	<b>810,531</b>
<b>Public Ownership of Land (Acres - 2008)</b>	
<b>Federal</b>	<b>27,313.76</b>
<b>State</b>	<b>4,015.99</b>
<b>County</b>	<b>1,421.61</b>
<b>Local Agencies</b>	<b>3,587.01</b>

**Agricultural production ranked 9th among California counties (based on 2010 total value).**

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

**Major Roads - Interstate 5, Highway 41, Highway 43 & Highway 198.**

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

**Elevation - 175 feet above sea level at Tulare Lake to 3500 feet above sea level at the Kings/ Monterey County line boundary.**

**Average length of growing season: 257 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 Kings County Community Development Agency

# RAINFALL - HANFORD, CA

YEAR	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1961-62	0.00	0.00	0.00	0.00	1.11	1.28	0.71	4.88	1.06	0.00	0.11	0.00	9.15
1962-63	0.00	0.00	0.01	0.10	0.00	0.19	1.19	1.68	1.37	2.88	0.56	0.00	7.98
1963-64	0.00	0.00	0.33	0.75	1.23	0.31	0.61	0.02	0.94	0.64	0.20	0.17	5.20
1964-65	0.00	0.34	0.00	0.95	1.31	1.44	1.18	0.33	0.33	1.57	0.00	0.00	7.45
1965-66	0.00	0.05	0.07	0.05	2.15	1.97	0.63	0.71	0.10	0.00	0.07	0.00	5.80
1966-67	0.04	0.00	0.29	0.09	1.28	2.57	1.41	0.05	2.42	2.95	0.07	0.06	11.23
1967-68	0.00	0.00	0.31	0.00	1.99	0.50	0.62	0.64	1.00	0.50	0.08	0.23	5.87
1968-69	0.00	0.00	0.00	1.33	0.98	1.64	6.69	4.54	0.79	0.85	0.32	0.00	17.14
1969-70	0.07	0.00	0.15	0.05	0.51	0.70	1.60	1.33	1.42	0.14	0.00	0.21	6.18
1970-71	0.00	0.00	0.00	0.00	2.40	1.23	0.35	0.19	0.23	0.40	1.44	0.00	6.24
1971-72	0.00	0.00	0.04	0.06	0.41	1.87	0.04	0.35	0.00	0.23	0.00	0.00	3.00
1972-73	0.00	0.00	0.24	0.21	2.90	0.65	2.44	2.29	2.20	0.12	0.00	0.00	11.05
1973-74	0.00	0.00	0.00	0.76	0.46	0.94	2.97	0.13	1.75	0.03	0.00	0.00	7.04
1974-75	0.00	0.00	0.00	0.65	0.24	1.40	0.09	2.26	1.24	0.49	0.00	0.00	6.37
1975-76	0.00	0.00	0.98	0.76	0.05	0.22	0.00	2.94	0.19	1.47	0.03	0.00	6.64
1976-77	0.00	0.22	1.47	0.00	1.15	0.96	0.96	0.03	0.43	0.00	0.01	0.01	5.24
1977-78	0.00	0.00	0.00	0.05	0.06	2.85	2.22	5.05	4.12	1.71	0.00	0.07	16.13
1978-79	0.00	0.00	1.10	0.00	0.79	0.50	1.84	1.61	1.16	0.03	0.00	0.00	7.03
1979-80	0.04	0.00	0.08	0.41	0.62	0.41	2.90	2.71	1.28	0.05	0.04	0.00	8.54
1980-81	0.00	0.00	0.00	0.09	0.00	0.21	1.80	0.86	2.10	0.68	0.17	0.00	5.91
1981-82	0.00	0.00	0.00	0.76	1.08	0.29	0.84	0.33	3.52	1.75	0.00	0.00	8.57
1982-83	0.18	0.00	0.64	1.03	2.15	0.71	3.74	2.59	3.39	1.63	0.04	0.45	16.55
1983-84	0.00	0.05	0.82	0.43	1.66	1.22	0.01	0.42	0.27	0.18	0.00	0.00	5.06
1984-85	0.00	0.00	0.01	0.52	1.41	1.66	0.59	0.61	0.68	0.12	0.01	0.00	5.61
1985-86	0.05	0.00	0.00	0.54	2.11	0.56	1.46	2.60	3.40	0.45	0.00	0.00	11.17
1986-87	0.00	0.00	0.15	0.00	0.21	0.77	1.77	2.04	2.02	0.06	0.13	0.00	7.15
1987-88	0.00	0.00	0.00	0.86	0.72	1.74	1.37	0.40	0.93	2.65	0.07	0.05	8.79
1988-89	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	0.85	0.02	0.39	0.06	7.99
1989-90	0.00	0.00	0.67	0.32	0.20	0.53	1.79	1.02	0.30	0.97	0.87	0.00	6.67
1990-91	0.00	0.66	0.00	0.01	0.22	0.09	0.37	1.32	6.67	0.19	0.66	0.00	10.19
1991-92	0.00	0.00	0.11	0.38	0.14	1.32	1.40	3.32	0.85	0.10	0.00	0.36	7.98
1992-93	0.01	0.00	0.00	0.58	0.00	2.62	3.88	2.48	2.16	0.07	0.08	0.00	11.88
1993-94	0.00	0.00	0.24	0.24	0.68	0.66	1.45	1.02	0.70	0.69	0.00	0.26	5.94
1994-95	0.00	0.00	1.06	0.35	1.54	0.33	4.70	0.51	4.77	0.65	0.87	0.00	14.78
1995-96	0.00	0.00	0.00	0.00	0.00	1.59	1.79	2.55	2.15	0.89	0.16	0.00	9.13
1996-97	0.00	0.00	0.00	1.65	0.87	3.03	3.02	0.12	0.21	0.00	0.00	0.04	8.94
1997-98	0.00	0.00	0.06	0.09	1.96	1.80	2.00	4.05	2.60	1.68	1.31	0.00	15.55
1998-99	0.00	0.00	0.00	0.68	0.63	0.64	3.01	0.56	0.43	1.37	0.00	0.44	7.76
1999-00	0.00	0.00	0.00	0.15	0.00	0.00	1.08	3.28	1.59	0.97	0.48	0.00	7.55
2000-01	0.00	0.00	0.03	1.31	0.00	0.03	1.98	1.48	1.24	1.12	0.00	0.35	7.54
2001-02	0.09	0.00	0.00	0.18	1.84	1.99	0.87	0.31	1.04	0.03	0.01	0.00	6.36
2002-03	0.00	0.00	0.00	0.00	1.42	1.14	0.25	1.13	1.05	1.67	0.67	0.82	8.15
2003-04	0.00	0.00	0.00	0.07	0.47	2.05	0.97	2.32	0.25	0.01	0.02	0.00	6.16
2004-05	0.00	0.00	0.00	2.09	0.44	2.13	2.55	1.69	2.02	0.70	0.84	0.00	12.46
2005-06	0.00	0.00	0.02	0.01	0.21	1.15	3.07	0.48	2.60	2.98	0.54	0.00	11.06
2006-07	0.00	0.00	0.00	0.09	0.16	0.90	0.61	0.90	0.22	0.27	0.01	0.00	3.16
2007-08	0.00	0.05	0.32	0.30	0.10	1.17	1.86	1.10	0.00	0.00	0.10	0.00	5.00
2008-09	0.00	0.00	0.00	0.14	1.03	1.36	0.60	1.43	0.21	0.03	0.43	0.37	5.60
2009-10	0.00	0.00	0.20	1.31	0.23	1.27	2.30	1.93	0.31	1.63	0.32	0.00	9.50
2010-11	0.00	0.00	0.00	0.76	1.24	5.29	0.88	0.96	2.70	0.32	0.41	0.91	13.47
2011-12	0.04	0.00	0.00	0.48	0.71	0.01							
<b>AVERAGE</b>	0.01	0.03	0.19	0.42	0.87	1.24	1.63	1.55	1.47	0.76	0.23	0.10	8.50

**50 YEAR AVERAGE RAINFALL**



**2012**

**KINGS COUNTY**

**AGRICULTURAL**

**CROP REPORT**

# PISTACHIOS

This year's featured crop is the increasingly popular pistachio. Classified as a small tree, it is native to the Middle East region. Archeologists have found evidence of pistachios being eaten as early as 9,000 years ago. American botanist William Whitehouse is credited with the nut's start in California. He traveled in 1929 to Persia (now known as Iran) to collect seeds to grow in the U.S. He returned with twenty pounds of seeds to grow at an experimental station in Chico, California, out of which only one flourished. Whitehouse did not know which tree the seed came from, so he named it Kerman, a town near the seed's discovery in Persia. Today, Kerman is still the most popular variety planted in the U.S.

Pistachio trees are usually propagated by budding or grafting onto selected disease and nematode-resistant rootstock and take six to seven years to produce a first harvest. In prior years, pistachio groves were planted with one male tree for every 7-9 female trees. That ratio has decreased to approximately one male per 18-24 female trees today. Male trees, which are allowed to grow much larger and do not produce nuts, are necessary for pollination. Trees reach full maturity in fifteen to twenty years, with estimates of pistachio trees living as long as two hundred years. Like other nut trees, pistachios produce a heavy crop one year and a lighter one the next. Harvest in Kings County generally begins in September. Pistachio trees are unique in the fact that the nuts never touch the ground during harvest. Two machines surround the tree and as the tree is shaken, the nuts fall onto aprons or "canvas catchers" and are collected into bins or trailers and transported to the processing facility. Pistachios are hulled and dried within 24 hours of harvest to prevent discoloration and blemishes, which is one reason you do not see many nuts dyed red any longer, as was the case when the U.S. imported most of its crop.

The first large scale commercial pistachio crop in the U.S. was produced in 1976 with 1.5 million pounds produced on just a few thousand acres – small in comparison to today's production. The 1979 Iran hostage crisis helped the domestic industry as Americans had begun developing a craving for the nuts and all imports from Iran were interrupted. By 1980, there were 25,773 bearing acres to meet demand, more than doubling to 53,700 ten years later. Today, there is an estimated 250,000 acres (bearing and non-bearing) planted in California alone, representing nearly 98 percent of the acreage in the U.S. Estimates on the 2012 production in California are 500 to 550 million pounds, which will set a new benchmark in production.



Kings County is one of the top five pistachio-producing counties in California. The first acreage on record was reported in the county in 1972 with 1,729 acres listed as non-bearing. By 1980, the annual crop report listed 2,792 acres in production. By 1990, the county was at 5,218 acres, increasing to 6,916 acres ten years later. In 2012, the county has 16,159 acres in production with another 4,000 non-bearing acres. Improved rootstock and cultural practices developed over the last 30 years, as well as the increase in acreage, have led to record production in Kings County as well.

The future of the pistachio nut appears to be very bright. Fueled by increasing demand both domestically and internationally, the nut has established itself as a healthy alternative in the diet of many American and International consumers.

Above photo courtesy of American Pistachio Growers

Cover photo courtesy of Keenan Farms



## Department of Agriculture / Measurement Standards

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**TIM NISWANDER**  
Agricultural Commissioner  
Sealer of Weights and Measures

June 4, 2013

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 2012 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 only gross values and do not represent net income or loss to producers.

The gross value of all agricultural crops and products produced during 2012 in Kings County was \$2,215,014,000. This represents a slight decrease of \$4,555,000 (0.2%) from the 2011 record value.

Livestock and Poultry had the largest increase in value at \$73,695,000 (38.4%) due to more cattle and calves sold and at a higher price. Field Crops increased \$21,995,000 (3.6%) due primarily to increased cotton and wheat yields, as well as the wheat price. Vegetable Crops increased \$7,169,000 (4.0%) due mainly to an increase in processing tomato acreage. Fruit and Nut Crops increased \$555,000 (0.1%) due in large part to increased nut prices. Apiary Products increased in value \$316,000 (4.7%) attributed to increased pollination acres and price per colony.

Livestock and Poultry Products had the largest decrease in value at \$106,658,000 (13.1%) due to lower total milk production and prices. Seed Crops declined in value \$1,627,000 (21.7%) due to decreased acreage.

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 Robbie Coelho, Agricultural and Standards Inspector, Janet Eckles, Agricultural and Standards Inspector and Steve Schweizer, Deputy Agricultural Commissioner/Sealer, with assistance from Carey Smith, Agricultural and Standards Aide.

Respectfully Submitted,

Tim Niswander

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# COUNTY ADMINISTRATION AG COMMISSIONER - SEALER PERSONNEL

## **Kings County Board of Supervisors**

Joe A. Neves..... District I                      Richard Valle..... District II  
Doug Verboon..... District III                      Tony Barba..... District IV  
Richard Fagundes..... District V

## **County Administrative Officer**

Larry Spikes

## **Agricultural Commissioner - Sealer of Weights and Measures**

Tim Niswander

## **Deputy Agricultural Commissioner - Sealers**

Jimmy Hook      Rusty Lantsberger      Steve Schweizer

## **Agricultural and Standards Inspectors**

Tom Chambers              Janet Eckles              Mario Gutierrez              Rafael Perla  
Vince Evans              Michael Leoni              Alfredo Prieto  
Bill DeRaad              Garen Goodreau              Bruce Perez              Robert Torrez

## **Agricultural Computer Systems Coordinator**

Lynda Schrumpf

## **Agricultural and Standards Aides**

Carey Smith      Joe Oliveira      Rupinder Grewal

## **Executive Secretary**

Jennifer Rios

## **Account Clerk**

Sonia Borges

## **Office Assistants**

Shanna Vickers      Sue Shanahan

# FRUIT & NUT CROPS

Crop	Harvested Production			Value			
	Year	Acres	Per Acre	Total	Unit	Per Unit	Total
Almond	2012	16,760	1.03	17,263	TON	\$4,870.00	\$84,071,000
	2011	15,461	1.25	19,326	TON	\$3,890.00	\$75,178,000
Almond Hulls	2012			34,466	TON	\$143.00	\$4,929,000
	2011			38,596	TON	\$131.00	\$5,056,000
Almond Shells	2012			8,617	TON	\$21.80	\$188,000
	2011			9,649	TON	\$20.90	\$202,000
Apricots Fresh	2012	941	3.38	3,181	TON	\$2,090.00	\$6,648,000
	2011	993	6.00	5,958	TON	\$1,890.00	\$11,261,000
Cherries	2012	1,504	2.93	4,407	TON	\$4,400.00	\$19,391,000
	2011	1,472	3.40	5,005	TON	\$5,010.00	\$25,075,000
Firewood	2012			222	CORD	\$123.00	\$27,000
	2011			1,075	CORD	\$136.00	\$146,000
Grapes, Raisin	2012	1,999	2.12	4,238	TON	\$1,780.00	\$7,544,000
	2011	1,743	3.51	6,124	TON	\$1,600.00	\$9,798,000
Grapes, Table	2012	980	13.08	12,818	TON	\$1,500.00	\$19,227,000
	2011	990	12.14	12,019	TON	\$1,490.00	\$17,908,000
Grapes, Wine	2012	4,106	12.91	53,008	TON	\$315.00	\$16,698,000
	2011	3,481	15.46	53,816	TON	\$309.00	\$16,629,000
Grapes, Other	2012	11	11.00	121	TON	\$330.00	\$40,000
	2011	45	9.00	405	TON	\$250.00	\$101,000
Grapes Total	2012	7,096					\$43,509,000
	2011	6,259					\$44,436,000
Nectarines	2012	2,010	7.18	14,432	TON	\$1,450.00	\$20,926,000
	2011	2,215	8.80	19,492	TON	\$1,210.00	\$23,585,000



# FRUIT & NUT CROPS

Crop	Harvested Production			Value			
	Year	Acres	Per Acre	Total	Unit	Per Unit	Total
Peaches Cling	2012	922	15.60	14,383	TON	\$291.00	\$4,185,000
	2011	556	17.70	9,841	TON	\$292.00	\$2,874,000
Peaches Freestone	2012	2,243	6.84	15,342	TON	\$1,720.00	\$26,388,000
	2011	2,800	7.65	21,420	TON	\$1,160.00	\$24,847,000
Peaches Freezer	2012	296	17.38	5,144	TON	\$287.00	\$1,476,000
	2011	268	20.09	5,384	TON	\$261.00	\$1,405,000
Peaches Total	2012	3,461					\$32,049,000
	2011	3,624					\$29,126,000
Pistachios	2012	16,159	1.28	20,684	TON	\$4,130.00	\$85,425,000
	2011	14,789	1.40	20,705	TON	\$3,920.00	\$81,164,000
Plums	2012	2,012	2.70	5,432	TON	\$2,170.00	\$11,787,000
	2011	2,475	6.93	17,152	TON	\$1,270.00	\$21,783,000
Walnuts	2012	13,054	2.15	28,066	TON	\$3,060.00	\$85,882,000
	2011	11,498	2.25	25,871	TON	\$2,780.00	\$71,921,000
Other a/	2012	5,022					\$17,811,000
	2011	5,007					\$23,155,000
TOTAL	2012	68,019					\$412,643,000
	2011	63,793					\$412,088,000

a/ Includes apples, blackberries, blueberries, jujube, kiwifruit, oranges, pecans, persimmons, pluots, pomegranates, prunes, quince, strawberries, and tangerines.

*The Queen of Sheba loved pistachios so much that the region's entire pistachio harvest was set aside for her, which might make her a True Royal Nut.*

# FIELD CROPS

Crop	Year	Harvested Production			Unit	Value	
		Acres	Per Acre	Total		Per Unit	Total
Alfalfa, Hay	2012	53,098	7.52	399,297	TON	\$214.00	\$85,450,000
	2011	47,768	8.14	388,832	TON	\$241.00	\$93,709,000
Alfalfa, Silage	2012	2,390	4.13	9,871	TON	\$46.30	\$457,000
	2011	5,952	3.51	20,892	TON	\$49.00	\$1,024,000
Alfalfa, Silage All Year	2012	2,461	35.17	86,553	TON	43.00	\$3,722,000
	2011	1,654	31.88	52,730	TON	\$51.40	\$2,710,000
Alfalfa, Stubble	2012	13,275				\$25.00	\$332,000
	2011	11,942				\$25.00	\$299,000
Barley, Silage a/	2012						
	2011	3,008	8.00	24,064	TON	\$36.70	\$883,000
Beans, Dry	2012	996	1.53	1,524	TON	\$1,044.00	\$1,591,000
	2011	764	1.25	955	TON	\$745.00	\$711,000
Corn Grain	2012	6,523	6.18	40,312	TON	\$260.80	\$10,513,000
	2011	4,582	4.99	22,864	TON	\$233.00	\$5,327,000
Corn Silage	2012	58,243	25.94	1,510,823	TON	\$49.50	\$74,786,000
	2011	57,220	25.92	1,483,142	TON	\$48.60	\$72,081,000
Cotton, Acala - Lint b/	2012	17,501	3.72	65,104	495 lbs.	\$499.00	\$32,487,000
	2011	22,995	3.00	68,985	495 lbs.	\$569.00	\$39,252,000
Cotton, Acala - Seed	2012			28,176	TON	\$390.00	\$10,989,000
	2011			29,819	TON	\$315.00	\$9,393,000
Cotton, Pima - Lint b/	2012	99,651	3.57	355,754	495 lbs.	\$641.00	\$228,038,000
	2011	109,900	2.68	294,532	495 lbs.	\$806.00	\$237,393,000
Cotton Pima - Seed	2012			154,103	TON	\$360.00	\$55,477,000
	2011			127,489	TON	\$315.00	\$40,159,000
Oat, Hay	2012	4,326	3.22	13,930	TON	\$163.00	\$2,271,000
	2011	3,723	3.04	11,318	TON	\$152.00	\$1,720,000

# FIELD CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Oat, Silage a/	<b>2012</b>						
	2011	956	9.39	8,977	TON	\$35.90	\$322,000
Pasture, Irrigated a/	<b>2012</b>						
	2011	1,132				\$160.00	\$181,000
Pasture, Range	<b>2012</b>	<b>261,590</b>				<b>\$2.03</b>	<b>\$531,000</b>
	2011	270,699				\$23.10	\$6,253,000
Sorghum, Silage	<b>2012</b>	<b>10,982</b>	<b>15.80</b>	<b>173,516</b>	TON	<b>\$39.40</b>	<b>\$6,837,000</b>
	c/ 2011	11,961	14.01	167,574	TON	\$38.50	\$6,452,000
Sudan, Hay	<b>2012</b>	<b>817</b>	<b>4.72</b>	<b>3,856</b>	TON	<b>\$140.00</b>	<b>\$540,000</b>
	2011	1,086	4.63	5,028	TON	\$152.00	\$764,000
Sudan, Silage a/	<b>2012</b>						
	2011	1,741	11.47	19,969	TON	\$36.80	\$735,000
Triticale, Silage	<b>2012</b>	<b>4,028</b>	<b>16.94</b>	<b>68,234</b>	TON	<b>\$40.30</b>	<b>\$2,750,000</b>
	2011	2,858	15.92	45,499	TON	\$37.50	\$1,706,000
Wheat, Grain	<b>2012</b>	<b>57,431</b>	<b>3.35</b>	<b>192,394</b>	TON	<b>\$286.00</b>	<b>\$55,025,000</b>
	2011	57,603	3.03	174,537	TON	\$241.00	\$42,063,000
Wheat, Silage	<b>2012</b>	<b>57,489</b>	<b>15.75</b>	<b>905,452</b>	TON	<b>\$40.40</b>	<b>\$36,580,000</b>
	2011	51,508	15.89	818,462	TON	\$39.60	\$32,411,000
Other d/	<b>2012</b>	<b>64,582</b>					<b>\$26,568,000</b>
	2011	48,356					\$17,401,000
<b>TOTAL</b>	<b>2012</b>	<b>715,383</b>					<b>\$634,944,000</b>
	2011	717,408					\$612,949,000

a/ Currently included in "Other"

b/ 495 lbs. = 1 bale

c/ Revised

d/ Includes barley grain, barley silage, corn earlidge, forage, hay-other, oat silage, pasture irrigated, ryegrass, safflower, screenings, sudan silage, sugar beets-silage, triticale grain, wheat hay and wheat straw.

## VEGETABLE CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Tomatoes, Processed	2012	36,008	51.59	1,857,653	TON	\$69.30	\$128,735,000
	2011	31,155	55.81	1,738,761	TON	\$67.60	\$117,540,000
Other a/	2012	11,794					\$55,449,000
	2011	10,635					\$59,475,000
TOTAL	2012	47,802					\$184,184,000
	2011	41,790					\$177,015,000

a/ Includes asparagus, bell peppers, broccoli, cabbage, cantaloupe, carrots, carrot transplants, cauliflower, chicory, corn sweet, garlic processed, garlic fresh, melons misc., onions fresh, onions processed, onion transplants, parsley, radicchio, squash, tomatoes fresh, and tomato transplants.

## SEED CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Seed Crops b/	2012	1,079					\$5,858,000
	2011	1,732					\$7,485,000

b/ Includes alfalfa certified, asparagus, cotton certified, flower, lettuce, and onion.

## ORGANIC PRODUCTION

Kings County had 26 certified organic growers in 2012 producing on 12,991 acres. The following organic crops were produced in the county: alfalfa, almonds, apples, apricots, asian pears, asparagus, basil, beans, beets, broccoli, cabbage, carrots, cauliflower, cherries, cilantro, corn, cucumbers, dairy, eggplant, herbs, figs, grapefruit, grapes, kale, kiwis, leeks, lemons, limes, manderines, nectarines, onions, oranges, outdoor flowers, parsley, peaches, pears, peas, peppers, persimmons, pistachios, plums, pluots, pomegranates, potatoes, pumpkins, quince, raddish/daikon, radicchio, raisins, spinach, squash, sweet potatoes, tangelo, tomatoes, turnips, walnuts, watermelon, and wheat. The crop values are included in their respective commodity groups.



# INVENTORIES OF LIVESTOCK & POULTRY

Item	December, 2012 Number of Head	December, 2011 Number of Head
<b>Cattle and Calves</b>		
All	343,000	355,000
Dairy Cows 2 Years and Over	178,323	188,416
Cattle and Calves on Feed	7,000	7,200
Other	157,677	159,384
<b>Sheep and Lambs</b>	12,945	12,896
Goats	8,060	11,418
Hogs and Pigs	133	122
Turkeys	535,049	627,064 a/

a/ Revised

# LIVESTOCK & POULTRY

Item	Year	Number of Head	Total Liveweight	Unit	Value Per Unit	Total
Cattle and Calves a/	2012	265,328	2,873,353	Cwt.	\$78.30	\$224,984,000
	2011	211,430	2,382,799	Cwt.	\$65.60	\$156,312,000
Turkeys	2012	2,140,197	49,956,522	lb.	\$0.78	\$38,966,000
	2011	2,508,258	53,744,682	lb.	\$0.62	\$33,322,000
Other b/	2012	30,068				\$1,598,000
	2011	39,635				\$2,219,000
<b>TOTAL</b>	<b>2012</b>					<b>\$265,548,000</b>
	2011					\$191,853,000

a/ Includes breeding stock value in total.

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

*Pistachios are a relatively new U.S. crop. Until the 1970's, no domestic pistachio industry existed. Now, California produces upwards of 500 to 550 million pounds of pistachios annually, about 98 percent of the domestic crop.*

# LIVESTOCK & POULTRY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Eggs, Chicken Market a/	<b>2012</b>				
	2011	2,132,670	Doz.	\$1.29	\$2,751,000
Manure	<b>2012</b>	<b>1,548,648</b>	<b>Ton</b>	<b>\$6.92</b>	<b>\$10,717,000</b>
	2011	1,326,029	Ton	\$6.89	\$9,136,000
Milk, Market	<b>2012</b>	<b>42,491,167</b>	<b>Cwt.</b>	<b>\$16.25</b>	<b>\$690,481,000</b>
	2011	43,364,473	Cwt.	\$18.27	\$792,269,000
Milk, Mfg.	<b>2012</b>	<b>54,098</b>	<b>Cwt.</b>	<b>\$18.56</b>	<b>\$1,004,000</b>
	2011	208,419	Cwt.	\$18.74	\$3,906,000
Milk, Goats	<b>2012</b>	<b>67,928</b>	<b>Cwt.</b>	<b>\$36.76</b>	<b>\$2,497,000</b>
	2011	87,242	Cwt.	\$37.07	\$3,234,000
Milk Total	<b>2012</b>	<b>42,613,193</b>	<b>Cwt.</b>		<b>\$693,982,000</b>
	2011	43,660,134	Cwt.		\$799,409,000
Wool b/	<b>2012</b>	<b>103,560</b>	<b>Lb.</b>	<b>\$1.60</b>	<b>\$166,000</b>
	2011	103,168	Lb.	\$2.20	\$227,000
<b>TOTAL</b>	<b>2012</b>				<b>\$704,865,000</b>
	2011				\$811,523,000

a/ No production in 2012

b/ Price does not include incentive

## Interesting Note...

In 2012, cow No. 2518 from the Lu/Ar Dairy became the most prolific milk producing cow in Kings County history by producing over 469,188 pounds (approximately 54,557 gallons) of milk over her lifetime. This record surpassed the long-standing record of cow No. 289 from the M.G. Maciel & Son Dairy by approximately 487 gallons.

# APIARY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Honey	2012	383,600	Lb.	1.57	\$602,000
	2011	620,312	Lb.	\$1.51	\$937,000
Beeswax	2012	9,200	Lb.	\$2.99	\$27,500
	2011	13,200	Lb.	\$2.23	\$29,400
Seed Alfalfa	2012	2,100	Colonies	\$50.00	\$105,000
	2011				
Tree Fruit/Nut a/	2012	41,071	Colonies	\$150.00	\$6,161,000
	2011	39,141	Colonies	\$144.00	\$5,636,000
Melons	2012	1,078	Colonies	\$30.00	\$32,300
	2011	545	Colonies	\$30.00	\$16,400
Vegetable Seed	2012	1,765	Colonies	\$25.00	\$44,100
	2011	1,505	Colonies	\$25.00	\$37,600
<b>TOTAL</b>	2012				<b>\$6,972,000</b>
	2011				\$6,656,000

a/ Includes almonds, apricots, cherries, pluots, and plums.

# AGRICULTURAL QUICK FACTS

Kings County is ranked 8th among California counties in agricultural production. (2011)

Kings County is ranked 2nd among California counties in the production of the following commodities: processing tomatoes, cotton lint, cottonseed, and apricots. (2011)

Kings County is ranked 3rd among California counties in the production of the following commodities: milk and cream, wheat (excluding seed), nectarines, and plums. (2011)

Kings County is ranked 4th among California counties in the production of silage and turkeys. (2011)

Kings County is ranked 5th among California counties in the production of pistachios and peaches. (2011)

\*Information based on 2011 County Agricultural Commissioners' Crop Reports

# 5 YEAR COMPARISON OF ACREAGE AND CROP VALUES

	2012	2011	2010	2009	2008
<b>Apiary Products</b>	<b>\$6,972,000</b>	\$6,656,000	\$6,548,000	\$5,982,000	\$5,511,000
<b>Field Crops</b>	<b>\$634,944,000</b>	*\$612,949,000	\$448,935,000	\$312,067,000	*\$493,355,000
<b>    Acreage</b>	<b>715,383</b>	*717,408	689,758	644,285	*700,727
<b>Fruit and Nut Crops</b>	<b>\$412,643,000</b>	\$412,088,000	\$319,122,000	\$253,440,000	*\$243,697,000
<b>    Acreage</b>	<b>68,019</b>	63,793	60,200	57,668	*55,744
<b>Livestock and Poultry</b>	<b>\$265,548,000</b>	\$191,853,000	\$161,417,000	\$146,509,000	\$147,892,000
<b>Livestock and Poultry Products</b>	<b>\$704,865,000</b>	\$811,523,000	\$568,050,000	\$418,682,000	\$677,468,000
<b>Seed Crops</b>	<b>\$5,858,000</b>	\$7,485,000	\$7,433,000	\$5,652,000	\$8,763,000
<b>    Acreage</b>	<b>1,079</b>	1,732	1,478	3,990	6,404
<b>Vegetable Crops</b>	<b>\$184,184,000</b>	\$177,015,000	\$206,466,000	*\$177,931,000	\$160,051,000
<b>    Acreage</b>	<b>47,802</b>	41,790	51,908	*36,527	40,674
<b>TOTAL</b>	<b>\$2,215,014,000</b>	*\$2,219,569,000	\$1,717,971,000	*\$1,320,263,000	*\$1,736,737,000

\* Revised

## AGRICULTURAL EFFICIENCY... Production Per Acre Comparison For Miscellaneous Crops 2012 - 1962

Crop	2012		1962	
	Production/Acre	Unit	Production/Acre	Unit
Corn, Grain	6.18	Tons	2.73	Tons
Corn Silage	25.94	Tons	16.97	Tons
Cotton	3.59	Bales	2.03	Bales
Walnuts	2.15	Tons	0.69	Tons
Wheat	3.35	Tons	1.61	Tons

*In America, pistachios were onced dyed red to disguise shell imperfections and make the nuts stand out in vending machines.*



# TOP 10 COMMODITIES

<b>Crop</b>	<b>2012 Rank</b>	<b>Dollar Value</b>	<b>2011 Rank</b>	<b>2010 Rank</b>	<b>1962 Rank</b>
Milk, Total	1	\$693,982,000	1	1	4
Cotton, Total	2	\$326,991,000	2	2	1
Cattle and Calves	3	\$224,984,000	3	4	2
Tomatoes, Processed	4	\$128,735,000	4	3	n/a
Alfalfa, Total	5	\$89,961,000	5	6	5
Almonds, Total	6	\$89,188,000	7	7	47
Walnuts	7	\$85,882,000	9	8	22
Pistachios	8	\$85,425,000	6	5	n/a
Corn, Silage	9	\$74,786,000	8	9	16
Wheat, Grain	10	\$55,025,000	11	11	25

## A Look Back, 50 Years Ago.....1962 Kings County's Top 10 Commodities

<b>Crop</b>	<b>Rank</b>	<b>Dollar Value</b>
Cotton, Total	1	\$38,062,000
Cattle and Calves	2	\$18,842,000
Barley, Grain	3	\$12,908,000
Milk, Total	4	\$11,010,000
Alfalfa, Total	5	\$9,423,000
Grapes, Total	6	\$2,628,000
Pasture	7	\$2,553,000
Safflower, Total	8	\$2,328,000
Peaches	9	\$2,210,000
Cantaloupes	10	\$1,359,000
<b>Total</b>		<b>\$101,323,000</b>

**Kings County's crop value in 1962 totaled \$113,309,783**

*Pistachio trees are wind-pollinated, with one male tree producing enough pollen for 25 nut-bearing females. Female trees produce their first nuts at about age five and can bear fruit for up to 200 years.*

# SUSTAINABLE AGRICULTURAL REPORT

## County Biological Control

Pest	Agent/Mechanism	Scope of Program
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformi</u>	Generally Distributed
	Seed Head Weevil <u>Microlarinus lareynil</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 Sites
	Gall Fly <u>Urophora sirunaseva</u>	1 Site
	Hairy Weevil <u>Eustenopus villosus</u>	3 Sites
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia parenorea</u>	Generally Distributed
Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic Wasp <u>Psyllaephagus bliteus</u>	1 Site
Silverleaf Whitefly <u>Bemisia argentifolii</u>	Parasitic Wasp <u>Eretmocerus sp.(M95104)</u>	6 Sites
	<u>Eretmocerus sp.(M95012)</u>	6 Sites
	<u>Eretmocerus mundus</u>	6 Sites

## County Pest Exclusion

Pest	Agent/Mechanism	Scope of Program
Glassy Winged Sharpshooter	Nursery Inspections	456 Shipments Inspected
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	89 Shipments Inspected
Various Pests	Truck Shipments	27,121 Units Inspected
Imported Red Fire Ant		
Crops	Activity	Scope of Program
Export Commodities	Phytosanitary Certification	1,404 Issued
Export Seed	Field Inspections	77 Sites / 887 Acres

# SUSTAINABLE AGRICULTURAL REPORT

## County Pest Eradication

Pest	Agent/Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	116,716 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	113 Sites Treated

## County Pest Detection

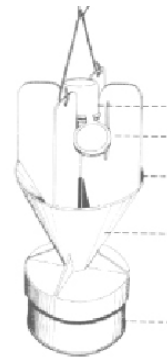
Pest	Number of Traps	Number of Servicing	Type of Trap
All Purpose Fruit Fly	109	988	Champ
Asian Citrus Psyllid	134	1083	Yellow Panel
European Corn Borer	14	183	Pherocon II
European Grape Vine Moth	491	7451	Delta
European Pine Shoot Moth	5	13	Pherocon II
Glassy Wing Sharpshooter	101	1227	Yellow Panel
Gypsy Moth	75	245	Delta
Japanese Beetle	75	245	Japanese Beetle
Khapra Beetle	130	130	Trogo
Light Brown Apple Moth	163	2205	Jackson
Mediterranean Fruit Fly	163	2205	Jackson
Melon Fly	72	800	Jackson
Mexican Fruit Fly	94	2288	McPhail
Oriental Fruit Fly	77	1082	Jackson
<b>Total</b>	<b>1,703</b>	<b>20,145</b>	



Jackson Trap



McPhail Trap

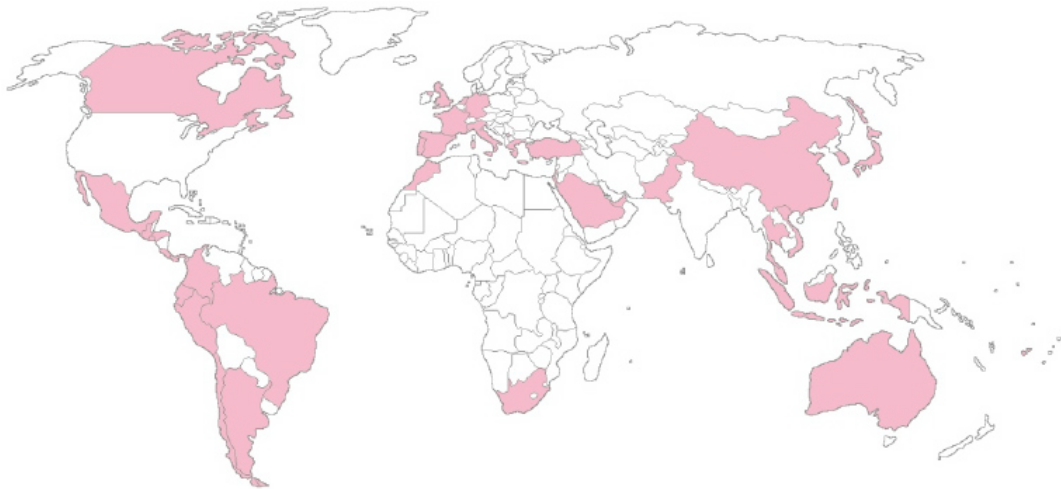


Japanese Beetle Trap

# EXPORT COMMODITIES

## Commodities Grown and Exported From Kings County

Alfalfa Seed	Cotton Seed	Onion Seed
Almonds	Garlic	Peaches
Apricots	Grapes	Pistachios
Asparagus Seed	Kiwis	Plums
Blueberries	Nectarines	Sweet Corn
Cherries	Onions	Walnuts
Cotton		

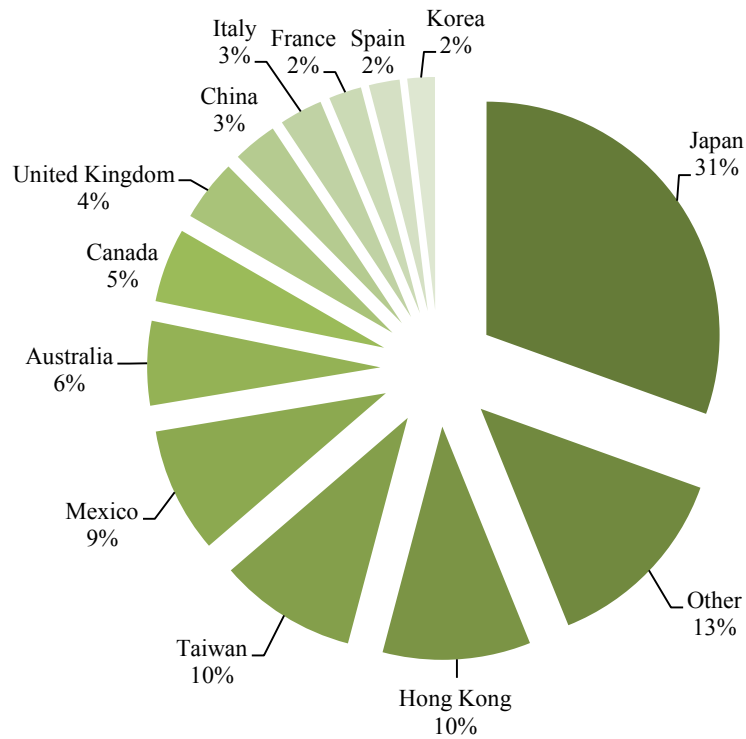


## Export Trade Partners of Kings County in 2012

Argentina	Guatemala	Pakistan
Australia	Honduras	Panama
Brazil	Hong Kong	Peru
Canada	Indonesia	Portugal
Chile	Israel	Kosovo, Republic of
China	Italy	Saudi Arabia
Colombia	Japan	Singapore
Costa Rica	Korea, Republic of	South Africa
Ecuador	Luxembourg	Spain
El Salvador	Malaysia	Taiwan
Fiji	Malta	Thailand
France	Mexico	Turkey
French Polynesia	Morocco	United Arab Emirates
Germany	Netherlands	United Kingdom
Greece	New Zealand	Vietnam

# EXPORT PARTNERS

## Top Export Countries 2012



# FAIRS AND EXPOSITIONS



801 S. 10th Ave. Hanford, CA 93230  
Phone (559) 584-3318

# CERTIFIED FARMERS MARKET

**Hanford Certified Farmer's Market**  
**116 W. Seventh Street**  
**Hanford, CA 93230**  
**Thursdays 5:30 P.M. to 8:30 P.M.**  
**May thru October - Irwin Street**

## Commodities grown by Kings County Certified Producers

Almonds	Figs	Peppers
Apples	Fresh Cut Flowers	Persimmons
Apricots	Garlic	Pistachios
Apriums	Grapefruit	Plums
Artichokes	Grapes	Pluots
Arugula	Green Beans	Pomegranates
Asparagus	Herbs	Pomelos
Avocados	Honey	Potatoes
Basil	Honeydew Melons	Pumpkins
Bay Leaves	Kale	Quince
Beans	Kiwifruit	Radishes
Beets	Kumquats	Raisins
Bell Peppers	Leeks	Raspberries
Blackberries	Lemons	Sage
Blueberries	Lettuce	Shallots
Broccoli	Limes	Soybeans
Cabbage	Mandarins	Spinach
Cactus	Melons	Squash
Camellias	Mistletoe	Strawberries
Cantaloupes	Mustard	Swiss Chard
Carrots	Nectarines	Tangelos
Cauliflower	Okra	Tangerines
Cherries	Olives	Tay Berries
Chestnuts	Onions	Tomatoes
Cilantro	Oranges	Satsumas
Corn	Ornamental Plants	Walnuts
Cucumbers	Parsley	Watermelon
Dill	Peaches	Zucchini
Eggplant	Pears	
Eggs	Peas	
Fennel	Pecans	

# LAND USE

Surrounding Counties	2011 Rank	2011 Gross Value*	Total County Area Acres	Top Commodity	2011 Value	Acres or No. of Head
Fresno	1	\$6,884,582,000	3,840,000	Grapes	\$961,777,000	217,812
Tulare	2	\$5,629,264,000	3,112,320	Milk	\$2,056,043,000	450,000
Kern	3	\$5,364,363,000	5,166,720	Milk	\$745,466,000	165,000
Monterey	4	\$3,922,035,000	2,127,359	Leaf Lettuce	\$777,418,000	97,979
<b>Kings</b>	<b>8</b>	<b>\$2,219,529,000</b>	<b>890,545</b>	<b>Milk</b>	<b>\$799,409,000</b>	<b>188,416</b>

\* Gross Value does not include timber. Values based on annual crop reports.

# LAND USE SUMMARY

Land Use Category	2010		2008		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	130,257	15	138,089	16	-7,832
Farmland of Statewide Importance	388,891	44	397,065	45	-8,174
Unique Farmland	21,801	2	22,928	3	-1,127
Farmland of Local Importance	11,138	1	10,022	1	+1,116
Grazing Land	271,831	31	257,746	29	+14,085
Urban and Built-Up Land	35,847	4	32,220	4	+3,627
Other Land	30,959	3	32,654	2	-1,695
Water Area	62	0	62	0	0
Total Acres	890,786		890,786		

Most recent available data from the California Department of Conservation

*Pistachios are related to the mango fruit and the spice sumac.*

# KINGS COUNTY GENERAL INFORMATION

<b>County Seat</b>	<b>Hanford</b>
<b>County Population (1/1/2013)</b>	<b>153,419*</b>
<b>Population per Square Mile</b>	<b>110</b>
<b>Total Assessed Value (2012)</b>	<b>\$8,815,062,980</b>
<b>Land Area (Square Miles)</b>	<b>1,391</b>
<b>Total Acres</b>	<b>890,545**</b>
<b>Total Harvested Crop Acreage (2012)</b>	<b>832,283</b>
<b>Total Farmland</b>	<b>810,644**</b>
<b>Public Ownership of Land (Acres - 2008)</b>	
<b>Federal</b>	<b>27,313.76</b>
<b>State</b>	<b>4,015.99</b>
<b>County</b>	<b>1,421.61</b>
<b>Local Agencies</b>	<b>3,587.01</b>

**Agricultural production ranked 8th among California counties (based on 2011 total value).**

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

**Major Roads - Interstate 5, Highway 41, Highway 43 & Highway 198.**

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

**Elevation - 175 feet above sea level at Tulare Lake to 3500 feet above sea level at the Kings/Monterey County line boundary.**

**Average length of growing season: 257 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 Kings County Community Development Agency



# RAINFALL - HANFORD, CA

YEAR	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1962-63	0.00	0.00	0.01	0.10	0.00	0.19	1.19	1.68	1.37	2.88	0.56	0.00	7.98
1963-64	0.00	0.00	0.33	0.75	1.23	0.31	0.61	0.02	0.94	0.64	0.20	0.17	5.20
1964-65	0.00	0.34	0.00	0.95	1.31	1.44	1.18	0.33	0.33	1.57	0.00	0.00	7.45
1965-66	0.00	0.05	0.07	0.05	2.15	1.97	0.63	0.71	0.10	0.00	0.07	0.00	5.80
1966-67	0.04	0.00	0.29	0.09	1.28	2.57	1.41	0.05	2.42	2.95	0.07	0.06	11.23
1967-68	0.00	0.00	0.31	0.00	1.99	0.50	0.62	0.64	1.00	0.50	0.08	0.23	5.87
1968-69	0.00	0.00	0.00	1.33	0.98	1.64	6.69	4.54	0.79	0.85	0.32	0.00	17.14
1969-70	0.07	0.00	0.15	0.05	0.51	0.70	1.60	1.33	1.42	0.14	0.00	0.21	6.18
1970-71	0.00	0.00	0.00	0.00	2.40	1.23	0.35	0.19	0.23	0.40	1.44	0.00	6.24
1971-72	0.00	0.00	0.04	0.06	0.41	1.87	0.04	0.35	0.00	0.23	0.00	0.00	3.00
1972-73	0.00	0.00	0.24	0.21	2.90	0.65	2.44	2.29	2.20	0.12	0.00	0.00	11.05
1973-74	0.00	0.00	0.00	0.76	0.46	0.94	2.97	0.13	1.75	0.03	0.00	0.00	7.04
1974-75	0.00	0.00	0.00	0.65	0.24	1.40	0.09	2.26	1.24	0.49	0.00	0.00	6.37
1975-76	0.00	0.00	0.98	0.76	0.05	0.22	0.00	2.94	0.19	1.47	0.03	0.00	6.64
1976-77	0.00	0.22	1.47	0.00	1.15	0.96	0.96	0.03	0.43	0.00	0.01	0.01	5.24
1977-78	0.00	0.00	0.00	0.05	0.06	2.85	2.22	5.05	4.12	1.71	0.00	0.07	16.13
1978-79	0.00	0.00	1.10	0.00	0.79	0.50	1.84	1.61	1.16	0.03	0.00	0.00	7.03
1979-80	0.04	0.00	0.08	0.41	0.62	0.41	2.90	2.71	1.28	0.05	0.04	0.00	8.54
1980-81	0.00	0.00	0.00	0.09	0.00	0.21	1.80	0.86	2.10	0.68	0.17	0.00	5.91
1981-82	0.00	0.00	0.00	0.76	1.08	0.29	0.84	0.33	3.52	1.75	0.00	0.00	8.57
1982-83	0.18	0.00	0.64	1.03	2.15	0.71	3.74	2.59	3.39	1.63	0.04	0.45	16.55
1983-84	0.00	0.05	0.82	0.43	1.66	1.22	0.01	0.42	0.27	0.18	0.00	0.00	5.06
1984-85	0.00	0.00	0.01	0.52	1.41	1.66	0.59	0.61	0.68	0.12	0.01	0.00	5.61
1985-86	0.05	0.00	0.00	0.54	2.11	0.56	1.46	2.60	3.40	0.45	0.00	0.00	11.17
1986-87	0.00	0.00	0.15	0.00	0.21	0.77	1.77	2.04	2.02	0.06	0.13	0.00	7.15
1987-88	0.00	0.00	0.00	0.86	0.72	1.74	1.37	0.40	0.93	2.65	0.07	0.05	8.79
1988-89	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	0.85	0.02	0.39	0.06	7.99
1989-90	0.00	0.00	0.67	0.32	0.20	0.53	1.79	1.02	0.30	0.97	0.87	0.00	6.67
1990-91	0.00	0.66	0.00	0.01	0.22	0.09	0.37	1.32	6.67	0.19	0.66	0.00	10.19
1991-92	0.00	0.00	0.11	0.38	0.14	1.32	1.40	3.32	0.85	0.10	0.00	0.36	7.98
1992-93	0.01	0.00	0.00	0.58	0.00	2.62	3.88	2.48	2.16	0.07	0.08	0.00	11.88
1993-94	0.00	0.00	0.24	0.24	0.68	0.66	1.45	1.02	0.70	0.69	0.00	0.26	5.94
1994-95	0.00	0.00	1.06	0.35	1.54	0.33	4.70	0.51	4.77	0.65	0.87	0.00	14.78
1995-96	0.00	0.00	0.00	0.00	0.00	1.59	1.79	2.55	2.15	0.89	0.16	0.00	9.13
1996-97	0.00	0.00	0.00	1.65	0.87	3.03	3.02	0.12	0.21	0.00	0.00	0.04	8.94
1997-98	0.00	0.00	0.06	0.09	1.96	1.80	2.00	4.05	2.60	1.68	1.31	0.00	15.55
1998-99	0.00	0.00	0.00	0.68	0.63	0.64	3.01	0.56	0.43	1.37	0.00	0.44	7.76
1999-00	0.00	0.00	0.00	0.15	0.00	0.00	1.08	3.28	1.59	0.97	0.48	0.00	7.55
2000-01	0.00	0.00	0.03	1.31	0.00	0.03	1.98	1.48	1.24	1.12	0.00	0.35	7.54
2001-02	0.09	0.00	0.00	0.18	1.84	1.99	0.87	0.31	1.04	0.03	0.01	0.00	6.36
2002-03	0.00	0.00	0.00	0.00	1.42	1.14	0.25	1.13	1.05	1.67	0.67	0.82	8.15
2003-04	0.00	0.00	0.00	0.07	0.47	2.05	0.97	2.32	0.25	0.01	0.02	0.00	6.16
2004-05	0.00	0.00	0.00	2.09	0.44	2.13	2.55	1.69	2.02	0.70	0.84	0.00	12.46
2005-06	0.00	0.00	0.02	0.01	0.21	1.15	3.07	0.48	2.60	2.98	0.54	0.00	11.06
2006-07	0.00	0.00	0.00	0.09	0.16	0.90	0.61	0.90	0.22	0.27	0.01	0.00	3.16
2007-08	0.00	0.05	0.32	0.30	0.10	1.17	1.86	1.10	0.00	0.00	0.10	0.00	5.00
2008-09	0.00	0.00	0.00	0.14	1.03	1.36	0.60	1.43	0.21	0.03	0.43	0.37	5.60
2009-10	0.00	0.00	0.20	1.31	0.23	1.27	2.30	1.93	0.31	1.63	0.32	0.00	9.50
2010-11	0.00	0.00	0.00	0.76	1.24	5.29	0.88	0.96	2.70	0.32	0.41	0.91	13.47
2011-12	0.04	0.00	0.00	0.48	0.71	0.01	<b>0.61</b>	<b>0.43</b>	<b>1.72</b>	<b>1.79</b>	<b>0.03</b>	<b>0.00</b>	<b>5.82</b>
2012-13	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.14</b>	<b>0.34</b>	<b>1.52</b>							
<b>AVERAGE</b>	<b>0.01</b>	<b>0.03</b>	<b>0.19</b>	<b>0.44</b>	<b>0.87</b>	<b>1.25</b>	<b>1.63</b>	<b>1.46</b>	<b>1.48</b>	<b>0.79</b>	<b>0.23</b>	<b>0.10</b>	<b>8.43</b>

50 YEAR AVERAGE RAINFALL



**KINGS COUNTY  
AGRICULTURAL CROP REPORT  
2013**

# ALMONDS

Since its introduction into the Golden State, almonds have blossomed into one of California's leading commodities. Originating from the Mediterranean region, almonds first arrived in California with the Spanish padres who came to build missions. However, these pioneering almonds did not adapt well to their new climatic environment. It wasn't until the 1880s that local varieties were developed and started becoming commercially viable.

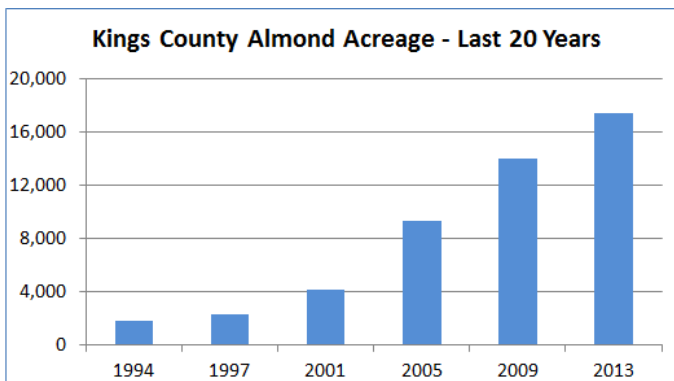
California wasn't the first state to attempt growing almonds commercially. Previous attempts occurred in other regions of the United States, including New England and the Southwest, starting in the 1840s. It was thought that since almonds were related to peaches, they should be able to grow anywhere that peaches could. Growers soon learned that almond trees could not tolerate late frosts or high humidity, which resulted in diseases. Ultimately, it was determined that California with its Mediterranean climate was most suitable for the nut to thrive.

Since its commercial start in California, almond production has improved steadily. Statewide production in 1888 was about 250 tons. In the early 1900s, growers recognized the necessity for cross-pollination with compatible cultivars and statewide production reached nearly 1,600 tons (210 pounds/acre) on about 15,000 total acres. During the 1960s, the yield per acre more than tripled and bearing acreage reached nearly 100,000 acres. Throughout this time, changes in irrigation and the shift from hand to mechanical harvesting methods occurred. In the following 20 years, California almond production spread from the Sacramento Valley to the San Joaquin Valley, increasing acreage to 400,000 acres. Production boomed again starting in the late 1990's, totaling over 1 million tons on 876,000 acres in 2011, with yields reaching over 2,000 pounds per acre.

The sharp jumps in total production over the years may not only be an effect of a greater understanding of pollination and irrigation, but also an increase in the demand due to a coordinated marketing effort emphasizing product development and the nut's health benefits. Almonds can be enjoyed whole or in its numerous processed forms such as almond milk, butters, oils, in flours and cereals, or even as sliced and chopped garnishments in baked goods. Many people also enjoy eating the nuts green (unripe) in salads and other dishes, as well as pickled.

Almonds are promoted as part of a healthy lifestyle by highlighting its nutritional benefits. They have demonstrated benefits in weight management and reducing risk of heart disease. They contain 12 vitamins and minerals including 6 essential nutrients and provide a gluten and cholesterol-free snack. Compared to other tree nuts, almonds are the highest in protein, fiber, and calcium.

Currently, almonds are California's largest tree nut crop in total dollar value and acreage and represents approximately 80% of the world's production. In 2012 they were the state's top agricultural export valued at \$2.5 billion. In 2013 Kings County's harvested acreage approached 18,000 acres, with another 4,000 acres not yet producing. It is one of the county's top producing commodities, valued at over \$116 million in 2013. Locally, the impact of greater almond revenues has created a rise in the demand for land suitable for almonds, resulting in higher land prices. Fortunately, future prospects for almonds appear positive as foreign demand for the popular nut is expected to increase along with the growing middle class in Asia. China is the top foreign destination where annual consumption for California almonds has reached 208 million pounds. As long as production can keep up with the expanding demand for the nut, almonds will continue to be one of California's and Kings County's top commodities.





## Department of Agriculture / Measurement Standards

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**TIM NISWANDER**  
Agricultural Commissioner  
Sealer of Weights and Measures

May 20, 2014

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 2013 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 2013 in Kings County was \$2,267,178,000. This represents an increase of \$52,164,000 (2.4%) from the 2012 value.

Fruit and Nut Crops had the largest increase in value at \$101,229,000 (24.5%) due mainly to higher nut prices and production. Livestock and Poultry Products increased \$72,612,000 (10.3%) due primarily to increases in milk prices. Seed Crops increased \$4,416,000 (75.4%) due mainly to an increase in acreage. Apiary Products increased in value \$829,000 (11.9%) attributed to both an increase in the pollination price (per colony) and higher honey prices.

Livestock and Poultry had the largest decrease in value at \$52,498,000 (19.8%) due mainly to lower beef prices. Field Crops decreased in value \$43,229,000 (6.8%) due primarily to less acreage. Vegetable Crops decreased in value \$31,195,000 (16.9%) due primarily to lower processing tomato production.

Milk continues to be the top commodity with a value of \$773,219,000 in 2013.

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 Janet Eckles, Agricultural and Standards Inspector, Sonya Hernandez, Agricultural and Standards Inspector and Steve Schweizer, Deputy Agricultural Commissioner/Sealer, with assistance from Carey Smith, Agricultural and Standards Aide, and Joe Oliveira, Agricultural and Standards Aide.

Respectfully Submitted,

Tim Niswander

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# COUNTY ADMINISTRATION AG COMMISSIONER - SEALER PERSONNEL

## **Kings County Board of Supervisors**

Joe A. Neves..... District I                      Richard Valle..... District II  
Doug Verboon..... District III                      Tony Barba..... District IV  
Richard Fagundes..... District V

## **County Administrative Officer**

Larry Spikes

## **Agricultural Commissioner - Sealer of Weights and Measures**

Tim Niswander

## **Deputy Agricultural Commissioner - Sealers**

Jimmy Hook              Rusty Lantsberger              Steve Schweizer

## **Agricultural and Standards Inspectors**

Tom Chambers              Janet Eckles              Vince Evans              Garen Goodreau              Mario Gutierrez  
Sonya Hernandez                      Michael Leoni                      Andrea Oilar  
Bruce Perez              Rafael Perla              Alfredo Prieto              Robert Torrez              Shanna Vickers

## **Agricultural Computer Systems Coordinator**

Lynda Schrupf

## **Agricultural and Standards Aides**

Joe Oliveira              Randall Bray              Carey Smith

## **Executive Secretary**

Jennifer Rios

## **Account Clerk**

Colleen Holloway

## **Office Assistants**

Teri Stephens              Sue Shanahan  
Kayla Delgado

# FIELD CROPS

Crop	Year	Harvested Production			Unit	Value	
		Acres	Per Acre	Total		Per Unit	Total
Alfalfa, Hay	2013	45,777	8.13	372,167	TON	\$219.00	\$81,505,000
	2012	53,098	7.52	399,297	TON	\$214.00	\$85,450,000
Alfalfa, Silage	2013	2,101	3.27	6,870	TON	\$45.10	\$310,000
	2012	2,390	4.13	9,871	TON	\$46.30	\$457,000
Alfalfa, Silage All Year	2013	1,699	36.46	61,946	TON	\$46.10	\$2,856,000
	2012	2,461	35.17	86,553	TON	\$43.00	\$3,722,000
Alfalfa, Stubble	2013	11,444				\$25.00	\$286,000
	2012	13,275				\$25.00	\$332,000
Beans, Dry	2013	920	1.57	1,444	TON	\$859.00	\$1,240,000
	2012	996	1.53	1,524	TON	\$1,044.00	\$1,591,000
Corn Grain	2013	3,150	6.45	20,318	TON	\$226.00	\$4,592,000
	2012	6,523	6.18	40,312	TON	\$260.80	\$10,513,000
Corn Silage	2013	55,087	25.67	1,414,083	TON	\$49.20	\$69,573,000
	2012	58,243	25.94	1,510,823	TON	\$49.50	\$74,786,000
Cotton, Acala - Lint a/	2013	11,181	3.23	36,115	BALE	\$566.00	\$20,441,000
	2012	17,501	3.72	65,104	BALE	\$499.00	\$32,487,000
Cotton, Acala - Seed	2013			15,636	TON	\$400.00	\$6,254,000
	2012			28,176	TON	\$390.00	\$10,989,000
Cotton, Pima - Lint a/	2013	92,269	3.18	293,415	BALE	\$833.00	\$244,415,000
	2012	99,651	3.57	355,754	BALE	\$641.00	\$228,038,000
Cotton Pima - Seed	2013			126,994	TON	\$370.00	\$46,988,000
	2012			154,103	TON	\$360.00	\$55,477,000
Oat, Hay	2013	1,892	3.52	6,660	TON	\$147.00	\$979,000
	2012	4,326	3.22	13,930	TON	\$163.00	\$2,271,000
Oat, Silage b/	2013	838	9.43	7,902	TON	\$31.40	\$248,000
	2012						

# FIELD CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Pasture, Range	2013	285,076				\$3.90	\$1,112,000
	2012	261,590				\$2.03	\$531,000
Sorghum, Silage	2013	12,588	16.72	210,471	TON	\$37.60	\$7,914,000
	2012	10,982	15.80	173,516	TON	\$39.40	\$6,837,000
Sudan, Hay	2013	395	2.78	1,098	TON	\$139.00	\$153,000
	2012	817	4.72	3,856	TON	\$140.00	\$540,000
Triticale, Silage	2013	3,745	13.65	51,119	TON	\$42.50	\$2,173,000
	2012	4,028	16.94	68,234	TON	\$40.30	\$2,750,000
Wheat, Hay b/	2013	688	5.14	3,536	TON	\$163.00	\$576,000
	2012				TON		
Wheat, Grain	2013	45,872	3.02	138,533	TON	\$290.00	\$40,175,000
	2012	57,431	3.35	192,394	TON	\$286.00	\$55,025,000
Wheat, Silage	2013	50,751	17.29	877,485	TON	\$40.90	\$35,889,000
	2012	57,489	15.75	905,452	TON	\$40.40	\$36,580,000
Other c/	2013	62,236					\$24,036,000
	2012	64,582					\$26,568,000
TOTAL	2013	687,709					\$591,715,000
	2012	715,383					\$634,944,000

a/ 1 bale = 495 lbs.

b/ Previously included in "Other"

c/ Includes barley grain, barley hay, barley silage, corn earlidge, forage, hay-other, pasture irrigated, rye-grass, safflower, sudan silage, sugar beets-silage, triticale grain, and wheat straw.

*The Romans showered newlyweds with  
almonds as a fertility charm.*



# FRUIT & NUT CROPS

Crop	Harvested Production			Value			
	Year	Acres	Per Acre	Total	Unit	Per Unit	Total
Almond	2013	17,412	1.21	21,069	TON	\$5,530.00	\$116,512,000
	2012	16,760	1.03	17,263	TON	\$4,870.00	\$84,071,000
Almond Hulls	2013			42,258	TON	\$139.00	\$5,874,000
	2012			34,466	TON	\$143.00	\$4,929,000
Almond Shells	2013			10,565	TON	\$28.70	\$303,000
	2012			8,617	TON	\$21.80	\$188,000
Apricots	2013	932	6.58	6,132	TON	\$1,750.00	\$10,731,000
	2012	941	3.38	3,181	TON	\$2,090.00	\$6,648,000
Cherries	2013	1,434	3.52	5,048	TON	\$4,700.00	\$23,726,000
	2012	1,504	2.93	4,407	TON	\$4,400.00	\$19,391,000
Firewood a/	2013						
	2012			222	CORD	\$123.00	\$27,000
Grapes, Raisin	2013	2,155	2.19	4,719	TON	\$1,740.00	\$8,211,000
	2012	1,999	2.12	4,238	TON	\$1,780.00	\$7,544,000
Grapes, Table	2013	940	14.41	13,545	TON	\$1,430.00	\$19,369,000
	2012	980	13.08	12,818	TON	\$1,500.00	\$19,227,000
Grapes, Wine	2013	4,276	13.63	58,282	TON	\$327.00	\$19,058,000
	2012	4,106	12.91	53,008	TON	\$315.00	\$16,698,000
Grapes, Other b/	2013						
	2012	11	11.00	121	TON	\$330.00	\$40,000
Grapes, Total	2013	7,371					\$46,638,000
	2012	7,096					\$43,509,000
Nectarines	2013	1,961	9.66	18,943	TON	\$944.00	\$17,882,000
	2012	2,010	7.18	14,432	TON	\$1,450.00	\$20,926,000

# FRUIT & NUT CROPS

Crop	Harvested Production			Value			
	Year	Acres	Per Acre	Total	Unit	Per Unit	Total
Peaches, Cling	2013	1,125	16.32	18,360	TON	\$452.00	\$8,299,000
	2012	922	15.60	14,383	TON	\$291.00	\$4,185,000
Peaches, Freestone	2013	2,148	10.29	22,103	TON	\$886.00	\$19,583,000
	2012	2,243	6.84	15,342	TON	\$1,720.00	\$26,388,000
Peaches, Freezer c/	2013						
	2012	296	17.38	5,144	TON	\$287.00	\$1,476,000
Peaches, Total	2013	3,273					\$27,882,000
	2012	3,461					\$32,049,000
Pistachios	2013	18,284	1.23	22,489	TON	\$4,900.00	\$110,196,000
	2012	16,159	1.28	20,684	TON	\$4,130.00	\$85,425,000
Plums	2013	2,228	6.55	14,593	TON	\$1,110.00	\$16,198,000
	2012	2,012	2.70	5,432	TON	\$2,170.00	\$11,787,000
Walnuts	2013	14,063	2.02	28,407	TON	\$3,460.00	\$98,288,000
	2012	13,054	2.15	28,066	TON	\$3,060.00	\$85,882,000
Other d/	2013	7,006					\$39,642,000
	2012	5,022					\$17,811,000
TOTAL	2013	73,964					\$513,872,000
	2012	68,019					\$412,643,000

a/ Currently included in "Other"

b/ No acreage reported

c/ Merged category into Peaches Cling and Freestone in 2013

d/ Includes apples, blackberries, blueberries, firewood, jujube, kiwifruit, oranges, olives, pears, pecans, persimmons, pluots, pomegranates, prunes, quince, strawberries, and tangerines.

*Americans give wedding guests a bag of sugared almonds, representing children, happiness, romance, good health, and fortune.*

## SEED CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Seed Crops a/	2013	9,840					\$10,274,000
	2012	1,079					\$5,858,000

a/ Includes alfalfa certified, asparagus, cotton certified, flower, lettuce, and onion.

## VEGETABLE CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Tomatoes, Processed	2013	33,447	42.74	1,429,525	TON	\$68.20	\$97,494,000
	2012	36,008	51.59	1,857,653	TON	\$69.30	\$128,735,000
Other a/	2013	15,498					\$55,495,000
	2012	11,794					\$55,449,000
<b>TOTAL</b>	2013	48,945					\$152,989,000
	2012	47,802					\$184,184,000

a/ Includes asparagus, bell peppers, broccoli, cabbage, cantaloupe, carrots, cauliflower, corn sweet, garlic processed, miscellaneous melons, onions fresh, onions processed, parsley, radicchio, squash, tomatoes fresh, tomato transplants, and watermelons.

## ORGANIC PRODUCTION

Kings County had 24 certified organic producers, four organic handlers, and two new registrations in 2013. Farming on 18,734 acres, growers produced more than 60 organic crops including various nuts, tree fruits, vegetables, flowers, herbs, specialty crops, and organic fallow farmland. The crop values are included in their respective commodity groups.

Organic producers, handlers, and processors follow production standards for growing, storage, and processing that preserve the integrity of organic agricultural products. Registration through the California Department of Food and Agriculture (CDFA) Organic Program is now available online.



# INVENTORIES OF LIVESTOCK & POULTRY

Item	December, 2013 Number of Head	December, 2012 Number of Head
<b>Cattle and Calves</b>		
All	345,000	343,000
Dairy Cows 2 Years and Over	179,408	178,323
Cattle and Calves on Feed	7,000	7,000
Other	158,592	157,677
<b>Sheep and Lambs</b>		
Goats	12,953	12,945
Hogs and Pigs	11,020	8,060
Turkeys	146	133
	402,891	535,049

# LIVESTOCK & POULTRY

Item	Year	Number of Head	Total Liveweight	Unit	Value Per Unit	Total
Cattle and Calves a/	2013	261,376	2,836,479	Cwt.	\$63.20	\$179,265,000
	2012	265,328	2,873,353	Cwt.	\$78.30	\$224,984,000
Turkeys	2013	1,611,566	36,677,355	lb.	\$0.88	\$32,276,000
	2012	2,140,197	49,956,522	lb.	\$0.78	\$38,966,000
Other b/	2013	30,296				\$1,509,000
	2012	30,068				\$1,598,000
<b>TOTAL</b>	2013	<b>1,903,238</b>				<b>\$213,050,000</b>
	2012	2,435,593				\$265,548,000

a/ Includes breeding stock value in total.

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

*In Sweden, cinnamon-flavored rice pudding with  
an almond hidden inside is a Christmas custom.  
Find it, and good fortune is yours for a year!*

# LIVESTOCK & POULTRY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Manure	2013	761,687	Ton	\$5.43	\$4,136,000
	2012	1,548,648	Ton	\$6.92	\$10,717,000
Milk, Market	2013	42,260,547	Cwt.	\$18.20	\$769,142,000
	2012	42,491,167	Cwt.	\$16.25	\$690,481,000
Milk, Mfg.	2013	41,268	Cwt.	\$18.90	\$780,000
	2012	54,098	Cwt.	\$18.56	\$1,004,000
Milk, Goats	2013	90,339	Cwt.	\$36.50	\$3,297,000
	2012	67,928	Cwt.	\$36.76	\$2,497,000
Milk Total	2013	42,392,154	Cwt.		\$773,219,000
	2012	42,613,193	Cwt.		\$693,982,000
Wool a/	2013	84,195	Lb.	\$1.45	\$122,000
	2012	103,560	Lb.	\$1.60	\$166,000
TOTAL	2013				\$777,477,000
	2012				\$704,865,000

a/ Price does not include wool incentive

## Interesting Note...

In 2012, cow No. 2518 from the Lu/Ar Dairy became the most prolific milk producing cow in Kings County history by producing over 469,188 pounds (approximately 54,557 gallons) of milk over her lifetime. This record surpassed the long-standing record of cow No. 289 from the M.G. Maciel & Son Dairy by approximately 487 gallons.

# APIARY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Honey	2013	405,893	Lb.	\$2.07	\$840,000
	2012	383,600	Lb.	\$1.57	\$602,000
Beeswax	2013	9,076	Lb.	\$3.21	\$29,100
	2012	9,200	Lb.	\$2.99	\$27,500
Seed Alfalfa	2013	4,857	Colonies	\$77.50	\$376,000
	2012	2,100	Colonies	\$50.00	\$105,000
Tree Fruit & Nuts a/	2013	42,377	Colonies	\$152.00	\$6,441,000
	2012	41,071	Colonies	\$150.00	\$6,161,000
Melons	2013	862	Colonies	\$35.00	\$30,200
	2012	1,078	Colonies	\$30.00	\$32,300
Vegetable Seed	2013	1,412	Colonies	\$60.00	\$84,700
	2012	1,765	Colonies	\$25.00	\$44,100
<b>TOTAL</b>	<b>2013</b>				<b>\$7,801,000</b>
	2012				\$6,972,000

a/ Includes almonds, apricots, cherries, pluots, and plums.

# AGRICULTURAL QUICK FACTS

Kings County is ranked 8th among California counties in agricultural production. (2012)

Kings County is ranked 1st among California counties in the production of cotton lint and cottonseed. (2012)

Kings County is ranked 2nd among California counties in the production of tomatoes (processing) and wheat (excluding seed). (2012)

Kings County is ranked 3rd among California counties in the production of apricots and nectarines. (2012)

Kings County is ranked 4th among California counties in the production of milk and cream, silage, turkeys, and plums. (2012)

Kings County is ranked 5th among California counties in the production of pistachios and peaches. (2012)

Information based on 2012 County Agricultural Commissioners' Crop Reports

## 5 YEAR COMPARISON OF ACREAGE AND CROP VALUES

	2013	2012	2011	2010	2009
<b>Apiary Products</b>	<b>\$7,801,000</b>	\$6,972,000	\$6,656,000	\$6,548,000	\$5,982,000
<b>Field Crops</b>	<b>\$591,715,000</b>	\$634,944,000	*\$612,949,000	\$448,935,000	\$312,067,000
<b>    Acreage</b>	<b>687,709</b>	715,383	*717,408	689,758	644,285
<b>Fruit and Nut Crops</b>	<b>\$513,872,000</b>	\$412,643,000	\$412,088,000	\$319,122,000	\$253,440,000
<b>    Acreage</b>	<b>73,964</b>	68,019	63,793	60,200	57,668
<b>Livestock and Poultry</b>	<b>\$213,050,000</b>	\$265,548,000	\$191,853,000	\$161,417,000	\$146,509,000
<b>Livestock and Poultry Products</b>	<b>\$777,477,000</b>	\$704,865,000	\$811,523,000	\$568,050,000	\$418,682,000
<b>Seed Crops</b>	<b>\$10,274,000</b>	\$5,858,000	\$7,485,000	\$7,433,000	\$5,652,000
<b>    Acreage</b>	<b>9,840</b>	1,079	1,732	1,478	3,990
<b>Vegetable Crops</b>	<b>\$152,989,000</b>	\$184,184,000	\$177,015,000	\$206,466,000	*\$177,931,000
<b>    Acreage</b>	<b>48,945</b>	47,802	41,790	51,908	*36,527
<b>TOTAL</b>	<b>\$2,267,178,000</b>	\$2,215,014,000	*\$2,219,569,000	\$1,717,971,000	*\$1,320,263,000

\* Revised

### AGRICULTURAL EFFICIENCY... Production Per Acre Comparison For Miscellaneous Crops 2013 - 1963

Crop	2013		1963	
	Production/Acre	Unit	Production/Acre	Unit
Corn, Grain	6.45	Tons	2.70	Tons
Corn Silage	25.67	Tons	21.40	Tons
Cotton	3.18	Bales	2.18	Bales
Walnuts	2.02	Tons	1.18	Tons
Wheat	3.02	Tons	1.70	Tons

*King Tutankhamun took several handfuls of almonds to his grave in 1352 B.C.,  
to nourish him on his journey into the afterlife.*

# TOP 10 COMMODITIES

<b>Crop</b>	<b>2013 Rank</b>	<b>Dollar Value</b>	<b>2012 Rank</b>	<b>2011 Rank</b>	<b>1963 Rank</b>
Milk, Total	1	\$773,219,000	1	1	5
Cotton, Total	2	\$318,098,000	2	2	1
Cattle and Calves	3	\$179,265,000	3	3	2
Almonds, Total	4	\$122,689,000	6	7	34
Pistachios	5	\$110,196,000	8	6	n/a
Walnuts	6	\$98,288,000	7	9	15
Tomatoes, Processed	7	\$97,494,000	4	4	n/a
Alfalfa, Total	8	\$84,957,000	5	5	4
Corn, Silage	9	\$69,573,000	9	8	14
Grapes, Total	10	\$46,638,000	11	10	9

## A Look Back, 50 Years Ago.....1963 Kings County's Top 10 Commodities

<b>Crop</b>	<b>Rank</b>	<b>Dollar Value</b>
Cotton, Total	1	\$37,285,000
Cattle and Calves	2	\$22,299,000
Barley, Grain	3	\$15,870,591
Alfalfa, Total	4	\$13,749,272
Milk, Total	5	\$11,575,000
Safflower, Total	6	\$2,814,000
Sugar Beets	7	\$1,990,000
Peaches	8	\$1,826,200
Grapes, Total	9	\$1,659,000
Cantaloupe	10	\$1,498,000
<b>Total</b>		<b>\$110,566,063</b>

**Kings County's crop value in 1963 totaled \$122,598,484**

*Persians and Arabs made a "milk" of almond meal and water, which they valued both as a refreshing drink and as an ingredient in other foods.*



# SUSTAINABLE AGRICULTURAL REPORT

## County Biological Control

Pest	Agent/Mechanism	Scope of Program
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformi</u>	Generally Distributed
	Seed Head Weevil <u>Microlarinus lareynil</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	Generally Distributed
	Gall Fly <u>Urophora sirunaseva</u>	Generally Distributed
	Hairy Weevil <u>Eustenopus villosus</u>	Generally Distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia parenorea</u>	Generally Distributed
Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic Wasp <u>Psyllaephagus bliteus</u>	Generally Distributed
Silverleaf Whitefly <u>Bemisia argentifolii</u>	Parasitic Wasp <u>Eretmocerus sp.(M95104)</u>	Generally Distributed
	<u>Eretmocerus sp.(M95012)</u>	Generally Distributed
	<u>Eretmocerus mundus</u>	Generally Distributed

## County Pest Exclusion

Pest	Agent/Mechanism	Scope of Program
Glassy Winged Sharpshooter	Nursery Inspections	564 Shipments Inspected
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	7 Shipments Inspected
Various Pests	Truck Shipments	64,075 Units Inspected
Imported Red Fire Ant		
Crops	Activity	Scope of Program
Export Commodities	Phytosanitary Certification	1,522 Issued
Export Seed	Field Inspections	91 Sites / 703 Acres

# SUSTAINABLE AGRICULTURAL REPORT

## County Pest Eradication

Pest	Agent/Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	97,320 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	49 Sites Treated

## County Pest Detection

Pest	Number of Traps	Number of Servicing	Type of Trap
All Purpose Fruit Fly	114	882	Champ
Asian Citrus Psyllid	119	115	Yellow Panel
European Corn Borer	13	144	Pherocon II
European Grape Vine Moth	535	6,884	Delta
European Pine Shoot Moth	4	9	Pherocon II
Glassy Wing Sharpshooter	70	824	Yellow Panel
Gypsy Moth	69	99	Delta
Japanese Beetle	69	99	Japanese Beetle
Khapra Beetle	180	171	Trogo
Light Brown Apple Moth	150	1,763	Jackson
Mediterranean Fruit Fly	150	1,763	Jackson
Melon Fly	68	613	Jackson
Mexican Fruit Fly	94	2,007	McPhail
Oriental Fruit Fly	150	1,763	Jackson
<b>Total</b>	<b>1,785</b>	<b>17,136</b>	



Jackson Trap



McPhail Trap



Japanese Beetle Trap

# EXPORT COMMODITIES

## Commodities Grown and Exported From Kings County

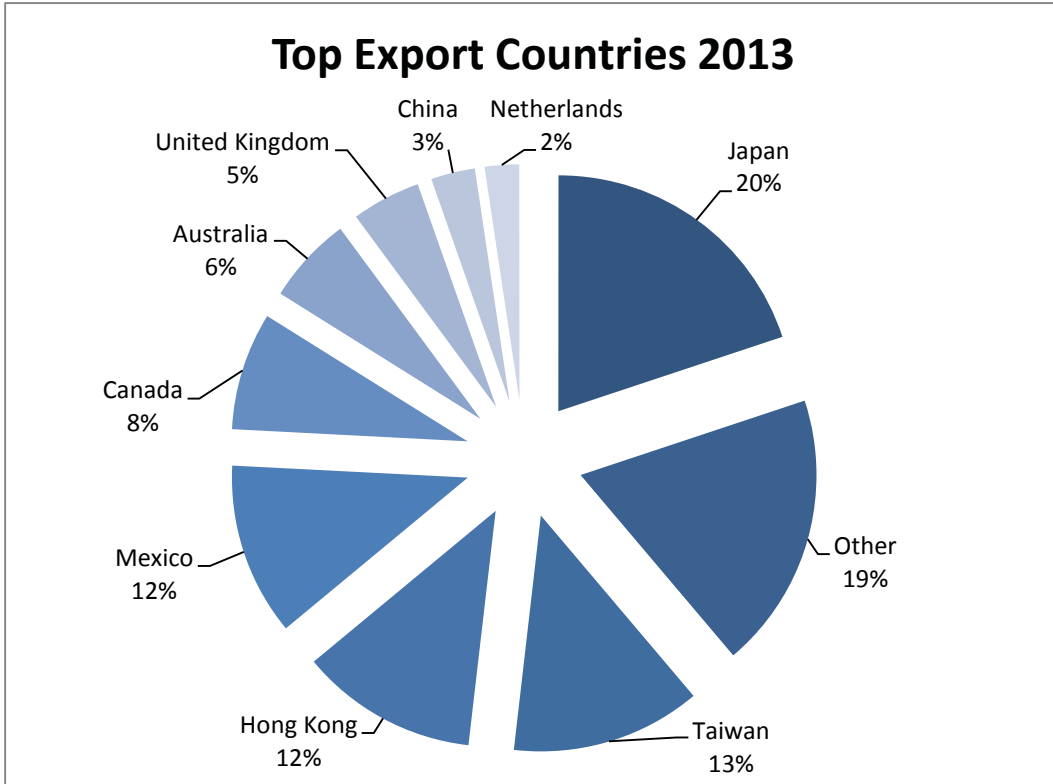
Alfalfa Seed	Cotton Seed	Persimmon
Almonds	Garlic	Pistachios
Apricots	Grapes	Plums
Asparagus Seed	Kiwis	Pluots
Blueberries	Nectarines	Sudangrass
Cherries	Onions	Sweet Corn
Cotton	Onion Seed	Walnuts
	Peaches	



## Export Trade Partners of Kings County in 2013

Argentina	Honduras	Panama
Australia	Hong Kong	Peru
Bahrain	India	Portugal
Brazil	Israel	Qatar
Canada	Italy	Russian Federation
China	Japan	Saudi Arabia
Colombia	Korea, Republic of	Singapore
Costa Rica	Kuwait	Spain
Egypt	Luxembourg	Switzerland
El Salvador	Malaysia	Taiwan
Fiji	Mexico	Turkey
France	Morocco	United Arab Emirates
Germany	Netherlands	United Kingdom
Greece	New Zealand	Vietnam
Guatemala		

# EXPORT PARTNERS



# FAIRS AND EXPOSITIONS



801 S. 10th Ave. Hanford, CA 93230  
Phone (559) 584-3318

# CERTIFIED FARMERS MARKET

**Thursday Night Market Place**  
**May thru September**  
**Thursdays, 5:30 P.M. to 9:00 P.M.**  
**Irwin Street**  
**Hanford, CA 93230**

**Lemoore Tuesday Night Market**  
**July thru October**  
**Tuesdays, 5:00 P.M. to 9:00 P.M.**  
**D Street**  
**Lemoore, CA 93245**

## Commodities grown by Kings County Certified Producers

Almonds	Fresh Cut Flowers	Pecans
Apples	Garlic	Peppers
Apricots	Grapefruit	Persimmons
Apriums	Grapes	Pistachios
Artichokes	Green Beans	Plums
Arugula	Herbs, Assorted	Pluots
Asparagus	Kale	Pomegranates
Avocados	Kiwifruit	Pomelos
Beans	Kumquats	Potatoes
Beets	Leeks	Pumpkins
Bell Peppers	Lemons	Quince
Blackberries	Lettuce	Radishes
Blueberries	Limes	Raisins
Bok Choy	Mandarins	Shallots
Broccoli	Melons	Soybeans
Cabbage	Mistletoe	Spinach
Cactus	Mustard	Squash
Cantaloupes	Nectarines	Strawberries
Carrots	Okra	Sweet Potato
Cauliflower	Olives	Swiss Chard
Cherries	Onions	Tangelos
Chestnuts	Oranges	Tangerines
Cilantro	Ornamental Plants	Tay Berries
Corn	Peaches	Tomatoes
Cucumbers	Peanuts	Walnuts
Eggplant	Pears	Watermelon
Figs	Peas	Zucchini

# LAND USE

Surrounding Counties	2012 Rank	2012 Gross Value*	Total County Area Acres	Top Commodity	2012 Value
Fresno	1	\$6,587,794,000	3,840,000	Almonds	\$875,706,000
Kern	2	\$6,212,362,000	3,112,320	Grapes	\$1,331,097,000
Tulare	3	\$6,210,694,000	5,166,720	Milk	\$1,807,696,000
Monterey	4	\$4,137,863,000	2,127,359	Strawberries	\$768,592,000
<b>Kings</b>	<b>8</b>	<b>\$2,215,014,000</b>	<b>890,785</b>	<b>Milk</b>	<b>\$693,982,000</b>

\* Gross Value does not include timber. Values based on annual crop reports.

# LAND USE SUMMARY

Land Use Category	2012		2010		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	118,449	13	130,258	15	-11,809
Farmland of Statewide Importance	376,869	43	388,891	44	-12,022
Unique Farmland	19,864	2	21,802	2	-1,938
Farmland of Local Importance	11,152	1	11,136	1	+16
Grazing Land	295,809	33	271,830	31	+23,979
Urban and Built-Up Land	36,640	4	35,847	4	+793
Other Land	31,940	4	30,959	3	-981
Water Area	62	0	62	0	0
Total Acres	890,785		890,785		

Most recent available data from the California Department of Conservation

*Nomads created a trail mix of ground almonds, chopped dates, bits of pistachios, sesame oil and bread crumbs. Rolled into balls, this mixture sustained them on long journeys.*

# KINGS COUNTY GENERAL INFORMATION

<b>County Seat</b>	<b>Hanford</b>
<b>County Population (1/1/2013)</b>	<b>152,007*</b>
<b>Population per Square Mile</b>	<b>109</b>
<b>Total Assessed Value (2013)</b>	<b>\$8,950,381,012</b>
<b>Land Area (Square Miles)</b>	<b>1,392</b>
<b>Total Acres</b>	<b>890,785**</b>
<b>Total Harvested Crop Acreage (2013)</b>	<b>820,458</b>
<b>Total Farmland</b>	<b>822,143**</b>
<b>Public Ownership of Land (Acres - 2008)</b>	
<b>Federal</b>	<b>27,313.76</b>
<b>State</b>	<b>4,015.99</b>
<b>County</b>	<b>1,421.61</b>
<b>Local Agencies</b>	<b>3,587.01</b>

**Agricultural production ranked 8th among California counties (based on 2012 total value).**

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

**Major Roads - Interstate 5, Highway 41, Highway 43 & Highway 198.**

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

**Elevation - 175 feet above sea level at Tulare Lake to 3500 feet above sea level at the Kings/Monterey County line boundary.**

**Average length of growing season: 257 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

# RAINFALL - HANFORD, CA

YEAR	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1963-64	0.00	0.00	0.33	0.75	1.23	0.31	0.61	0.02	0.94	0.64	0.20	0.17	5.20
1964-65	0.00	0.34	0.00	0.95	1.31	1.44	1.18	0.33	0.33	1.57	0.00	0.00	7.45
1965-66	0.00	0.05	0.07	0.05	2.15	1.97	0.63	0.71	0.10	0.00	0.07	0.00	5.80
1966-67	0.04	0.00	0.29	0.09	1.28	2.57	1.41	0.05	2.42	2.95	0.07	0.06	11.23
1967-68	0.00	0.00	0.31	0.00	1.99	0.50	0.62	0.64	1.00	0.50	0.08	0.23	5.87
1968-69	0.00	0.00	0.00	1.33	0.98	1.64	6.69	4.54	0.79	0.85	0.32	0.00	17.14
1969-70	0.07	0.00	0.15	0.05	0.51	0.70	1.60	1.33	1.42	0.14	0.00	0.21	6.18
1970-71	0.00	0.00	0.00	0.00	2.40	1.23	0.35	0.19	0.23	0.40	1.44	0.00	6.24
1971-72	0.00	0.00	0.04	0.06	0.41	1.87	0.04	0.35	0.00	0.23	0.00	0.00	3.00
1972-73	0.00	0.00	0.24	0.21	2.90	0.65	2.44	2.29	2.20	0.12	0.00	0.00	11.05
1973-74	0.00	0.00	0.00	0.76	0.46	0.94	2.97	0.13	1.75	0.03	0.00	0.00	7.04
1974-75	0.00	0.00	0.00	0.65	0.24	1.40	0.09	2.26	1.24	0.49	0.00	0.00	6.37
1975-76	0.00	0.00	0.98	0.76	0.05	0.22	0.00	2.94	0.19	1.47	0.03	0.00	6.64
1976-77	0.00	0.22	1.47	0.00	1.15	0.96	0.96	0.03	0.43	0.00	0.01	0.01	5.24
1977-78	0.00	0.00	0.00	0.05	0.06	2.85	2.22	5.05	4.12	1.71	0.00	0.07	16.13
1978-79	0.00	0.00	1.10	0.00	0.79	0.50	1.84	1.61	1.16	0.03	0.00	0.00	7.03
1979-80	0.04	0.00	0.08	0.41	0.62	0.41	2.90	2.71	1.28	0.05	0.04	0.00	8.54
1980-81	0.00	0.00	0.00	0.09	0.00	0.21	1.80	0.86	2.10	0.68	0.17	0.00	5.91
1981-82	0.00	0.00	0.00	0.76	1.08	0.29	0.84	0.33	3.52	1.75	0.00	0.00	8.57
1982-83	0.18	0.00	0.64	1.03	2.15	0.71	3.74	2.59	3.39	1.63	0.04	0.45	16.55
1983-84	0.00	0.05	0.82	0.43	1.66	1.22	0.01	0.42	0.27	0.18	0.00	0.00	5.06
1984-85	0.00	0.00	0.01	0.52	1.41	1.66	0.59	0.61	0.68	0.12	0.01	0.00	5.61
1985-86	0.05	0.00	0.00	0.54	2.11	0.56	1.46	2.60	3.40	0.45	0.00	0.00	11.17
1986-87	0.00	0.00	0.15	0.00	0.21	0.77	1.77	2.04	2.02	0.06	0.13	0.00	7.15
1987-88	0.00	0.00	0.00	0.86	0.72	1.74	1.37	0.40	0.93	2.65	0.07	0.05	8.79
1988-89	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	0.85	0.02	0.39	0.06	7.99
1989-90	0.00	0.00	0.67	0.32	0.20	0.53	1.79	1.02	0.30	0.97	0.87	0.00	6.67
1990-91	0.00	0.66	0.00	0.01	0.22	0.09	0.37	1.32	6.67	0.19	0.66	0.00	10.19
1991-92	0.00	0.00	0.11	0.38	0.14	1.32	1.40	3.32	0.85	0.10	0.00	0.36	7.98
1992-93	0.01	0.00	0.00	0.58	0.00	2.62	3.88	2.48	2.16	0.07	0.08	0.00	11.88
1993-94	0.00	0.00	0.24	0.24	0.68	0.66	1.45	1.02	0.70	0.69	0.00	0.26	5.94
1994-95	0.00	0.00	1.06	0.35	1.54	0.33	4.70	0.51	4.77	0.65	0.87	0.00	14.78
1995-96	0.00	0.00	0.00	0.00	0.00	1.59	1.79	2.55	2.15	0.89	0.16	0.00	9.13
1996-97	0.00	0.00	0.00	1.65	0.87	3.03	3.02	0.12	0.21	0.00	0.00	0.04	8.94
1997-98	0.00	0.00	0.06	0.09	1.96	1.80	2.00	4.05	2.60	1.68	1.31	0.00	15.55
1998-99	0.00	0.00	0.00	0.68	0.63	0.64	3.01	0.56	0.43	1.37	0.00	0.44	7.76
1999-00	0.00	0.00	0.00	0.15	0.00	0.00	1.08	3.28	1.59	0.97	0.48	0.00	7.55
2000-01	0.00	0.00	0.03	1.31	0.00	0.03	1.98	1.48	1.24	1.12	0.00	0.35	7.54
2001-02	0.09	0.00	0.00	0.18	1.84	1.99	0.87	0.31	1.04	0.03	0.01	0.00	6.36
2002-03	0.00	0.00	0.00	0.00	1.42	1.14	0.25	1.13	1.05	1.67	0.67	0.82	8.15
2003-04	0.00	0.00	0.00	0.07	0.47	2.05	0.97	2.32	0.25	0.01	0.02	0.00	6.16
2004-05	0.00	0.00	0.00	2.09	0.44	2.13	2.55	1.69	2.02	0.70	0.84	0.00	12.46
2005-06	0.00	0.00	0.02	0.01	0.21	1.15	3.07	0.48	2.60	2.98	0.54	0.00	11.06
2006-07	0.00	0.00	0.00	0.09	0.16	0.90	0.61	0.90	0.22	0.27	0.01	0.00	3.16
2007-08	0.00	0.05	0.32	0.30	0.10	1.17	1.86	1.10	0.00	0.00	0.10	0.00	5.00
2008-09	0.00	0.00	0.00	0.14	1.03	1.36	0.60	1.43	0.21	0.03	0.43	0.37	5.60
2009-10	0.00	0.00	0.20	1.31	0.23	1.27	2.30	1.93	0.31	1.63	0.32	0.00	9.50
2010-11	0.00	0.00	0.00	0.76	1.24	5.29	0.88	0.96	2.70	0.32	0.41	0.91	13.47
2011-12	0.04	0.00	0.00	0.48	0.71	0.01	0.61	0.43	1.72	1.79	0.03	0.00	5.82
2012-13	0.00	0.00	0.00	0.14	0.34	1.52	0.25	0.42	0.67	0.08	0.18	0.00	5.82
2013-14	0.00	0.00	0.01	0.00	0.26	0.12							
<b>AVERAGE</b>	<b>0.01</b>	<b>0.03</b>	<b>0.19</b>	<b>0.42</b>	<b>0.85</b>	<b>1.24</b>	<b>1.61</b>	<b>1.44</b>	<b>1.46</b>	<b>0.74</b>	<b>0.22</b>	<b>0.10</b>	<b>8.31</b>

50 YEAR AVERAGE RAINFALL





**KINGS COUNTY  
AGRICULTURAL CROP REPORT  
2014**

Have you ever wondered if you actually received the 10 gallons of gas just pumped into your vehicle, or if the grocery scale that weighs your vegetables at the time of purchase is accurate? How do you know when you buy a 20 pound turkey or a 1 pound loaf of bread that you are getting the quantity advertised? The Kings County Sealer of Weights and Measures, the “other hat” worn by Agricultural Commissioner Tim Niswander, helps assure you get what you pay for.

The mission of the Kings County Department of Measurement Standards (Department) is to assure that [\*“Equity Prevails in the Marketplace”\*](#). That protection extends into most every commercial transaction today. Since 1915, when the California State legislature established that each county shall have a Sealer of Weights and Measures, consumers in California have been protected in the marketplace. Each Sealer operates under the direction of the California Department of Food and Agriculture’s Division of Measurement Standards. They help assure that only “correct” commercial devices are used and that the transactions are in compliance with the California Business and Professions Code and the California Code of Regulations.

The Department annually inspects over 2500 commercial devices operating in the county. These devices include, but are not limited to, fuel pumps at gas stations, scales at supermarkets and hardware stores, taximeters, odometers (ambulances), retail water meters, livestock scales and vehicle scales. Once tested and found to be “correct”, a seal is affixed to the device and inspection date noted on the seal. “Correct” means that the device is both accurate and meets specifications. Pictured on the cover of this report is the Department’s heavy capacity weight truck, purchased in 2008. With a certified weight of 46,200 pounds, this vehicle is primarily used to test the accuracy of vehicle scales. The individual twenty-four 1,000 pound weights carried on the vehicle can also be off-loaded on site to check smaller capacity devices, such as livestock and platform scales.



Every store in the county utilizing check stand scanners is now inspected on an annual basis. Undercover purchases are made of various items, including sale items if applicable. The items are then tallied at the register and the prices charged are verified against the lowest advertised price, either posted in the store or through advertisements. Businesses that package commodities for retail sale, such as supermarket meat counters and bakeries, as well as processors packaging cheese, nuts, and other agricultural commodities are also audited at least once per year to assure their product meets the declared quantity on their retail packaging statement.

The next time you are driving down the highway and need to stop for fuel, consider how easy it is to read the price of gasoline or diesel before pulling into the filling station. The Department assures petroleum signage meets the legal specifications to allow you the opportunity to decide to purchase fuel prior to entering the location. Proper markings on the pumps, including the fuel prices, octane rating, brand, and grade are inspected, as well as the postings notifying customers of the availability of free air and water and disabled driver services. Additional automotive products, such as coolant/anti-freeze, brake fluid, motor oil, and other lubricants are also inspected to assure they meet minimum SAE labeling specifications.

Rest assured that when you are out there making purchases on a daily basis, the Sealer of Weights and Measures in Kings County, as well as the rest of the counties in California, are protecting you through their daily inspection activities. Just look for the Seal!



## Department of Agriculture / Measurement Standards

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**TIMNISWANDER**  
Agricultural Commissioner  
Sealer of Weights and Measures

June 16, 2015

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 2014 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 2014 in Kings County was \$2,471,746,000. This represents an increase of \$204,568,000 (9.0%) from the 2013 value.

Livestock and Poultry Products had the largest increase in value at \$195,563,000 (25.2%) due primarily to increases in milk prices. Vegetable Crops increased in value \$66,304,000 (43.3%) due primarily to higher processing tomato production and price. Fruit and Nut Crops increased in value \$55,146,000 (10.7%) due to higher almond and pistachio acreage and prices. Apiary Products increased in value \$682,000 (8.7%) attributed an increase in the almond pollination price (per colony).

Field Crops had the largest decrease in value at \$105,496,000 (17.8%) due primarily to less acreage as a result of the drought conditions. Livestock and Poultry decreased in value \$6,037,000 (2.8%) due mainly to less animals sold. Seed Crops decreased \$1,594,000 (15.5%) due mainly to less acreage.

Milk continues to be the top commodity with a value of \$970,330,000 in 2014.

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 Janet Eckles, Agricultural and Standards Inspector, Sonya Hernandez, Agricultural and Standards Inspector and Steve Schweizer, Deputy Agricultural Commissioner/Sealer, with assistance from Joe Oliveira, Agricultural and Standards Aide.

Respectfully Submitted,

Tim Niswander

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# COUNTY ADMINISTRATION

## AG COMMISSIONER – SEALER PERSONNEL

### **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	

### **County Administrative Officer**

Larry Spikes

### **Agricultural Commissioner - Sealer of Weights and Measures**

Tim Niswander

### **Deputy Agricultural Commissioner - Sealers**

Jimmy Hook      Rusty Lantsberger      Steve Schweizer

### **Agricultural and Standards Inspectors**

Tom Chambers	Janet Eckles	Vince Evans	Garen Goodreau	Mario Gutierrez
Sonya Hernandez	Michael Leoni	Andrea Oilar	Bruce Perez	
Rafael Perla	Alfredo Prieto	Lynda Schrumpf	Robert Torrez	Shanna Vickers

### **Agricultural and Standards Aides**

Randall Bray      Joe Oliveira      Garrett Roe

### **Executive Secretary**

Jennifer Rios

### **Account Clerk**

Julie Hansen

### **Office Assistants**

Chelsey Huckabay

Sue Shanahan

Kayla Delgado

# FIELD CROPS

Crop	Year	Harvested Acres	Production Per Acre	Total	Unit	Value Per Unit	Total
<b>Alfalfa, Hay</b>	<b>2014</b>	<b>36,597</b>	<b>8.17</b>	<b>298,997</b>	<b>Ton</b>	<b>\$252.00</b>	<b>\$75,347,000</b>
	2013	45,777	8.13	372,167	Ton	\$219.00	\$81,505,000
<b>Alfalfa, Silage</b>	<b>2014</b>	<b>6,432</b>	<b>2.63</b>	<b>16,916</b>	<b>Ton</b>	<b>\$55.30</b>	<b>\$935,000</b>
	2013	2,101	3.27	6,870	Ton	\$45.10	\$310,000
<b>Alfalfa, Silage All Year</b>	<b>2014</b>	<b>1,927</b>	<b>35.39</b>	<b>68,197</b>	<b>Ton</b>	<b>\$54.20</b>	<b>\$3,696,000</b>
	2013	1,699	36.46	61,946	Ton	\$46.10	\$2,856,000
<b>Alfalfa, Stubble</b>	<b>2014</b>	<b>9,149</b>			<b>Ton</b>	<b>\$25.00</b>	<b>\$229,000</b>
	2013	11,444			Ton	\$25.00	\$286,000
<b>Beans, Dry a/</b>	<b>2014</b>						
	2013	920	1.57	1,444	Ton	\$859.00	\$1,240,000
<b>Corn, Grain a/</b>	<b>2014</b>						
	2013	3,150	6.45	20,318	Ton	\$226.00	\$4,592,000
<b>Corn, Silage</b>	<b>2014</b>	<b>51,121</b>	<b>25.61</b>	<b>1,309,209</b>	<b>Ton</b>	<b>\$65.20</b>	<b>\$85,360,000</b>
	2013	55,087	25.67	1,414,083	Ton	\$49.20	\$69,573,000
<b>Cotton, Acala - Lint b/</b>	<b>2014</b>	<b>6,710</b>	<b>3.57</b>	<b>23,955</b>	<b>Bale</b>	<b>\$451.00</b>	<b>\$10,804,000</b>
	2013	11,181	3.23	36,115	Bale	\$566.00	\$20,441,000
<b>Cotton, Acala - Seed</b>	<b>2014</b>			<b>10,365</b>	<b>Ton</b>	<b>\$380.00</b>	<b>\$3,939,000</b>
	2013			15,636	Ton	\$400.00	\$6,254,000
<b>Cotton, Pima - Lint b/</b>	<b>2014</b>	<b>68,353</b>	<b>3.12</b>	<b>213,261</b>	<b>Bale</b>	<b>\$871.00</b>	<b>\$185,750,000</b>
	2013	92,269	3.18	293,415	Bale	\$833.00	\$244,415,000
<b>Cotton, Pima - Seed</b>	<b>2014</b>			<b>92,272</b>	<b>Ton</b>	<b>\$337.00</b>	<b>\$31,096,000</b>
	2013			126,994	Ton	\$370.00	\$46,988,000
<b>Oat, Hay</b>	<b>2014</b>	<b>1,085</b>	<b>3.74</b>	<b>4,058</b>	<b>Ton</b>	<b>\$188.00</b>	<b>\$763,000</b>
	2013	1,892	3.52	6,660	Ton	\$147.00	\$979,000
<b>Oat, Silage</b>	<b>2014</b>	<b>593</b>	<b>14.41</b>	<b>8,545</b>	<b>Ton</b>	<b>\$42.20</b>	<b>\$361,000</b>
	2013	838	9.43	7,902	Ton	\$31.40	\$248,000

# FIELD CROPS

Crop	Year	Harvested Acres	Production Per Acre	Total	Unit	Value Per Unit	Total
Pasture, Range	2014	295,509				\$3.00	\$887,000
	2013	285,076				\$3.90	\$1,112,000
Sorghum, Silage	2014	13,064	16.20	211,637	Ton	\$49.40	\$10,455,000
	2013	12,588	16.72	210,471	Ton	\$37.60	\$7,914,000
Sudan, Hay	2014	274	5.38	1,474	Ton	\$162.00	\$239,000
	2013	395	4.72	3,856	Ton	\$140.00	\$153,000
Triticale, Silage	2014	3,037	15.43	46,861	Ton	\$49.50	\$2,320,000
	2013	3,745	13.65	51,119	Ton	\$42.50	\$2,173,000
Wheat, Hay	2014	549	4.03	2,212	Ton	\$216.00	\$478,000
	2013	688	5.14	3,536	Ton	\$163.00	\$576,000
Wheat, Grain	2014	15,356	3.25	49,907	Ton	\$268.00	\$13,375,000
	2013	45,872	3.02	138,533	Ton	\$290.00	\$40,175,000
Wheat, Silage	2014	44,684	17.23	769,905	Ton	\$51.30	\$39,496,000
	2013	50,751	17.29	877,485	Ton	\$40.90	\$35,889,000
Other c/	2014	38,391					\$20,689,000
	2013	62,236					\$24,036,000
Total	2014	592,831					\$486,219,000
	2013	687,709					\$591,715,000

a/ Currently included in "Other"

b/ 495 lbs. = 1 bale

c/ Includes barley grain, barley hay, barley silage, beans-dry, corn-grain, forage, hay-other, pasture irrigated, ryegrass, safflower, sorghum-milo, sudan silage, sugar beets-silage, triticale grain, and wheat straw.



# FRUIT & NUT CROPS

Crop	Year	Harvested Acres	Production Per Acre	Total	Unit	Value Per Unit	Total
<b>Almonds</b>	<b>2014</b>	<b>19,422</b>	<b>1.11</b>	<b>21,558</b>	<b>Ton</b>	<b>\$7,150.00</b>	<b>\$154,140,000</b>
	2013	17,412	1.21	21,069	Ton	\$5,530.00	\$116,512,000
<b>Almond Hulls</b>	<b>2014</b>			<b>43,116</b>	<b>Ton</b>	<b>\$150.00</b>	<b>\$6,467,000</b>
	2013			42,258	Ton	\$139.00	\$5,874,000
<b>Almond Shells</b>	<b>2014</b>			<b>10,779</b>	<b>Ton</b>	<b>\$22.00</b>	<b>\$237,000</b>
	2013			34,466	Ton	\$28.70	\$303,000
<b>Apricots</b>	<b>2014</b>	<b>766</b>	<b>5.68</b>	<b>4,351</b>	<b>Ton</b>	<b>\$2,010.00</b>	<b>\$8,746,000</b>
	2013	932	6.58	6,132	Ton	\$1,750.00	\$10,731,000
<b>Cherries</b>	<b>2014</b>	<b>1,544</b>	<b>1.08</b>	<b>1,668</b>	<b>Ton</b>	<b>\$8,130.00</b>	<b>\$13,561,000</b>
	2013	1,434	3.52	5,048	Ton	\$4,700.00	\$23,726,000
<b>Grapes, Raisin</b>	<b>2014</b>	<b>2,049</b>	<b>2.26</b>	<b>4,631</b>	<b>Ton</b>	<b>\$1,730.00</b>	<b>\$8,012,000</b>
	2013	2,155	2.19	4,719	Ton	\$1,740.00	\$8,211,000
<b>Grapes, Table</b>	<b>2014</b>	<b>848</b>	<b>15.50</b>	<b>13,144</b>	<b>Ton</b>	<b>\$1,480.00</b>	<b>\$19,453,000</b>
	2013	940	14.41	13,545	Ton	\$1,430.00	\$19,369,000
<b>Grapes, Wine</b>	<b>2014</b>	<b>4,796</b>	<b>11.96</b>	<b>57,360</b>	<b>Ton</b>	<b>\$290.00</b>	<b>\$16,634,000</b>
	2013	4,276	13.63	58,282	Ton	\$327.00	\$19,058,000
<b>Grapes, Total</b>	<b>2014</b>	<b>7,693</b>					<b>\$44,099,000</b>
	2013	7,371					\$46,638,000
<b>Nectarines</b>	<b>2014</b>	<b>1,739</b>	<b>9.06</b>	<b>15,755</b>	<b>Ton</b>	<b>\$1,410.00</b>	<b>\$22,215,000</b>
	2013	1,961	9.66	18,943	Ton	\$944.00	\$17,882,000
<b>Peaches, Cling</b>	<b>2014</b>	<b>808</b>	<b>17.67</b>	<b>14,277</b>	<b>Ton</b>	<b>\$393.00</b>	<b>\$5,611,000</b>
	2013	1,125	16.32	18,360	Ton	\$452.00	\$8,299,000
<b>Peaches, Freestone</b>	<b>2014</b>	<b>1,953</b>	<b>10.16</b>	<b>19,842</b>	<b>Ton</b>	<b>\$1,280.00</b>	<b>\$25,398,000</b>
	2013	2,148	10.29	22,103	Ton	\$886.00	\$19,583,000
<b>Peaches, Total</b>	<b>2014</b>	<b>2,761</b>					<b>\$31,009,000</b>
	2013	3,273					\$27,882,000



# FRUIT & NUT CROPS

Crop	Year	Harvested Acres	Production Per Acre	Total	Unit	Value Per Unit	Total
Pistachios	2014	19,187	1.23	23,600	Ton	\$5,770.00	\$136,172,000
	2013	18,284	1.23	22,489	Ton	\$4,900.00	\$110,196,000
Plums	2014	2,032	8.89	18,064	Ton	\$1,240.00	\$22,399,000
	2013	2,228	6.55	14,593	Ton	\$1,110.00	\$16,198,000
Walnuts	2014	14,420	1.88	27,110	Ton	\$3,470.00	\$94,072,000
	2013	14,063	2.02	28,407	Ton	\$3,460.00	\$98,288,000
Other a/	2014	7,219					\$35,901,000
	2013	7,006					\$39,642,000
<b>TOTAL</b>	2014	76,783					\$569,018,000
	2013	73,964					\$513,872,000

a/ Includes apples, blackberries, blueberries, farmers market crops, firewood, jujube, kiwifruit, oranges, olives, pears, pecans, persimmons, pluots, pomegranates, prunes, quince, strawberries, and tangerines.



# SEED CROPS

Crop	Year	Harvested Acres	Production Per Acre	Total	Unit	Value Per Unit	Total
Seed Crops a/	2014	4,479					\$8,680,000
	2013	9,840					\$10,274,000

a/ Includes alfalfa certified, barley non-certified, carrot, asparagus, cotton certified, flower, lettuce, and onion.



# VEGETABLE CROPS

Crop	Year	Harvested Acres	Production Per Acre	Total	Unit	Value Per Unit	Total
Tomatoes, Processed	2014	34,003	52.95	1,800,459	Ton	\$81.10	\$146,017,000
	2013	33,447	42.74	1,429,508	Ton	\$68.20	\$97,494,000
Other a/	2014	13,207					\$73,276,000
	2013	15,498					\$55,495,000
<b>TOTAL</b>	<b>2014</b>	<b>47,210</b>					<b>\$219,293,000</b>
	2013	48,945					\$152,989,000

a/ Includes asparagus, bell peppers, broccoli, cabbage, cantaloupe, carrots, carrot transplants, cauliflower, corn sweet, garlic processed, miscellaneous melons, onions fresh, onions processed, parsley, radicchio, squash, tomatoes fresh, tomato transplants, and watermelons.

# INVENTORIES OF LIVESTOCK & POULTRY

Item	December, 2014 Number of Head	December, 2013 Number of Head
Cattle and Calves		
All	420,000	345,000
Dairy Cows 2 Years and Over	183,775	179,408
Cattle and Calves on Feed	5,400	7,000
Other	230,825	158,592
Sheep and Lambs		
Sheep and Lambs	10,557	12,953
Goats	11,437	11,020
Hogs and Pigs	154	146
Turkeys	264,456	402,891

## LIVESTOCK & POULTRY

Item	Year	Number of Head	Total Liveweight	Unit	Value Per Unit	Total
Cattle and Calves a/	2014	215,305		Head	\$809.00	\$174,182,000
	2013	261,376		Head	\$685.85	\$179,265,000
Turkeys	2014	1,057,826	30,156,834	Lb.	\$1.01	\$30,458,000
	2013	1,611,566	36,677,355	Lb.	\$0.88	\$32,276,000
Other b/	2014	29,697				\$2,373,000
	2013	30,296				\$1,509,000
<b>TOTAL</b>	2014	1,302,828				\$207,013,000
	2013	1,903,238				\$213,050,000

a/ Includes breeding stock value in total.

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

# LIVESTOCK & POULTRY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Manure	2014	619,184	Ton	\$4.22	\$2,613,000
	2013	761,687	Ton	\$5.43	\$4,136,000
Milk, Market	2014	44,156,830	Cwt.	\$21.90	\$967,035,000
	2013	42,260,547	Cwt.	\$18.20	\$769,142,000
Milk, Mfg.	2014	30,492	Cwt.	\$23.30	\$710,000
	2013	41,268	Cwt.	\$18.90	\$780,000
Milk, Goats	2014	71,818	Cwt.	\$36.00	\$2,585,000
	2013	90,339	Cwt.	\$36.50	\$3,297,000
Milk Total	2014	44,259,140	Cwt.		\$970,330,000
	2013	42,392,154	Cwt.		\$773,219,000
Wool a/	2014	66,509	Lb.	\$1.46	\$97,000
	2013	84,195	Lb.	\$1.45	\$122,000
TOTAL	2014				\$973,040,000
	2013				\$777,477,000

a/ Price does not include wool incentive



# APIARY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Honey	2014	367,302	Lb.	\$2.05	\$753,000
	2013	405,893	Lb.	\$2.07	\$840,000
Beeswax	2014	12,085	Lb.	\$3.25	\$39,300
	2013	9,076	Lb.	\$3.21	\$29,100
Seed Alfalfa	2014	4,920	Colonies	\$35.00	\$172,000
	2013	4,857	Colonies	\$77.50	\$376,000
Tree Fruit & Nuts a/	2014	44,181	Colonies	\$167.00	\$7,378,000
	2013	42,377	Colonies	\$152.00	\$6,441,000
Melons	2014	1,102	Colonies	\$35.00	\$38,600
	2013	862	Colonies	\$35.00	\$30,200
Vegetable Seed	2014	1,696	Colonies	\$60.00	\$102,000
	2013	1,412	Colonies	\$60.00	\$84,700
<b>TOTAL</b>	2014				<b>\$8,483,000</b>
	2013				<b>\$7,801,000</b>

a/ Includes almonds, apricots, cherries, pluots, and plums.

## AGRICULTURAL QUICK FACTS

### Kings County is ranked:

- **8th** among California counties in agricultural production
- **1st** among California counties in the production of cotton lint and cottonseed
- **2nd** among California counties in the production of apricots and wheat (excluding seed).
- **3rd** among California counties in the production of nectarines, turkeys, plums, and tomatoes (processing).
- **4th** among California counties in the production of milk and cream, and silage.
- **5th** among California counties in the production of pistachios and peaches.

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# 5 YEAR COMPARISON OF ACREAGE AND CROP VALUES

	2014	2013	2012	2011	2010
<b>Apiary Products</b>	<b>\$8,483,000</b>	\$7,801,000	\$6,972,000	\$6,656,000	\$6,548,000
<b>Field Crops Acreage</b>	<b>\$486,219,000 592,831</b>	\$591,715,000 687,709	\$634,944,000 715,383	*\$612,949,000 *717,408	\$448,938,000 689,758
<b>Fruit &amp; Nut Crops Acreage</b>	<b>\$569,018,000 76,783</b>	\$513,872,000 73,964	\$412,643,000 68,019	\$412,088,000 63,793	\$319,122,000 60,200
<b>Livestock and Poultry</b>	<b>\$207,013,000</b>	\$213,050,000	\$265,548,000	\$191,853,000	\$161,417,000
<b>Livestock and Poultry Products</b>	<b>\$973,040,000</b>	\$777,477,000	\$704,865,000	\$811,523,000	\$568,050,000
<b>Seed Crops Acreage</b>	<b>\$8,680,000 4,539</b>	\$10,274,000 9,840	\$5,858,000 1,079	\$7,485,000 1,732	\$7,433,000 1,478
<b>Vegetable Crops Acreage</b>	<b>\$219,293,000 47,210</b>	\$152,989,000 48,945	\$184,184,000 47,802	\$177,015,000 41,790	\$206,466,000 51,908
<b>TOTAL</b>	<b>\$2,471,746,000</b>	\$2,267,178,000	\$2,215,014,000	*\$2,219,569,000	\$1,717,971,000

\*Revised

## AGRICULTURAL EFFICIENCY...

Production Per Acre Comparison for Miscellaneous Crops  
2014 & 1964

<b>Crop</b>	<b>2014 Production/Acre</b>	<b>Unit</b>	<b>1964 Production/Acre</b>	<b>Unit</b>
Corn, Silage	25.61	Tons	21.00	Tons
Cotton	3.12	Bales	2.15	Bales
Walnuts	1.88	Tons	1.06	Tons
Wheat	3.25	Tons	1.60	Tons

# TOP 10 COMMODITIES

Crop	2014 Rank	Dollar Value	2013 Rank	2012 Rank	1964 Rank
Milk, Total	1	\$970,330,000	1	1	5
Cotton, Total	2	\$231,589,000	2	2	1
Cattle and Calves	3	\$174,182,000	3	3	2
Almonds, Total	4	\$160,844,000	4	6	34
Tomatoes, Processed	5	\$146,017,000	7	4	N/A
Pistachios	6	\$136,172,000	5	8	N/A
Walnuts	7	\$94,072,000	6	7	17
Corn, Silage	8	\$85,360,000	9	9	15
Alfalfa, Total	9	\$80,207,000	8	5	4
Grapes, Total	10	\$44,099,000	10	11	7

## A LOOK BACK, 50 YEARS AGO.....1964 KINGS COUNTY'S TOP 10 COMMODITIES

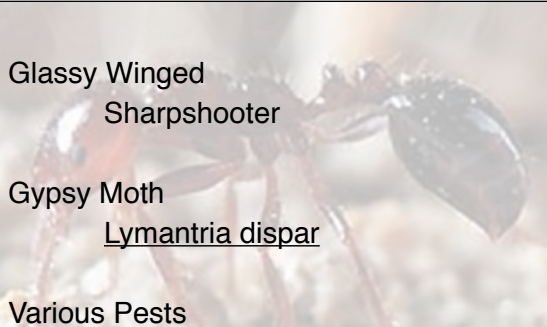
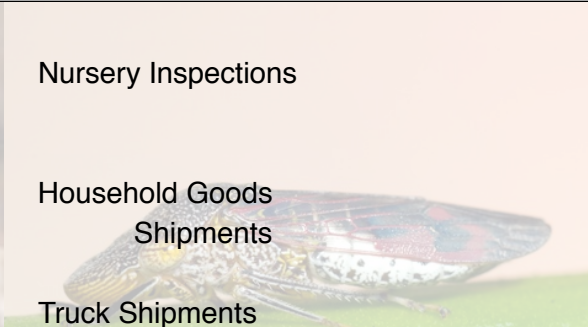

Crop	Rank	Dollar Value
Cotton, Total	1	\$40,284,000
Cattle and Calves	2	\$17,773,000
Barley, Grain	3	\$16,269,000
Alfalfa, Total	4	\$14,439,000
Milk, Total	5	\$12,729,000
Safflower, Total	6	\$2,666,000
Sugar Beets	7	\$1,506,000
Melons	8	\$1,439,000
Peaches	9	\$1,299,000
Sorghum, Grain	10	\$1,156,000
<b>Total</b>		<b>\$109,560,000</b>


# SUSTAINABLE AGRICULTURE REPORT

## County Biological Control

Pest	Agent/Mechanism	Scope of Program
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformis</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>	Generally Distributed
	Hairy Weevil <u>Eustenopus villosus</u>	Generally Distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia partenopea</u>	Generally Distributed
Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic Wasp <u>Psyllaephagus bliteus</u>	Generally Distributed
Silverleaf Whitefly <u>Bemisia argentifolii</u>	Parasitic Wasp <u>Eretmocerus sp. (M95104)</u>	Generally Distributed
	<u>Eretmocerus sp. (M95012)</u>	Generally Distributed

## County Pest Exclusion

Pest	Agent/Mechanism	Scope of Program
Glassy Winged Sharpshooter 	Nursery Inspections	564 Shipments Inspected
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments 	111 Shipments Inspected
Various Pests	Truck Shipments	13,139 Units Inspected 

Crops	Activity	Scope of Program
Export Commodities	Phytosanitary Certification	1,480 Issued
Export Seed	Field Inspections 	50 Sites / 533 Acres



# SUSTAINABLE AGRICULTURE REPORT

## County Pest Eradication

Pest	Agent/Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	64,830 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	38 Sites Treated

## County Pest Detection

Pest	Number of Traps	Number of Servicing	Type of Trap
All Purpose Fruit Fly	116	1,215	Champ
Asian Citrus Psyllid	265	1,511	Yellow Panel
European Corn Borer	11	163	Pherocon II
European Grape Vine Moth	562	6,699	Delta
European Pine Shoot Moth	6	31	Pherocon II
Glassy Wing Sharpshooter	70	932	Yellow Panel
Gypsy Moth	81	162	Delta
Japanese Beetle	81	162	Japanese Beetle
Light Brown Apple Moth	155	2,102	Jackson
Mediterranean Fruit Fly	155	2,102	Jackson
Melon Fly	70	796	Jackson
Mexican Fruit Fly	103	2,550	McPhail
Oriental Fruit Fly	155	2,102	Jackson
<b>TOTAL</b>	<b>1,830</b>	<b>20,527</b>	



# EXPORT COMMODITIES

## Commodities Grown and Exported From Kings County

Alfalfa Seed  
Almonds  
Apricots  
Asparagus Seed  
Blueberries  
Cherries  
Cotton

Cotton Seed  
Garlic  
Grapes  
Kiwi  
Nectarines  
Onions  
Onion Seed  
Peaches

Persimmon  
Pistachios  
Plums  
Pluots  
Sudangrass  
Sweet Corn  
Walnuts



## Export Trade Partners of Kings County in 2014

Argentina  
Australia  
Bahrain  
Brazil  
Canada  
China  
Colombia  
Costa Rica  
Egypt  
El Salvador  
France  
French Polynesia  
Germany

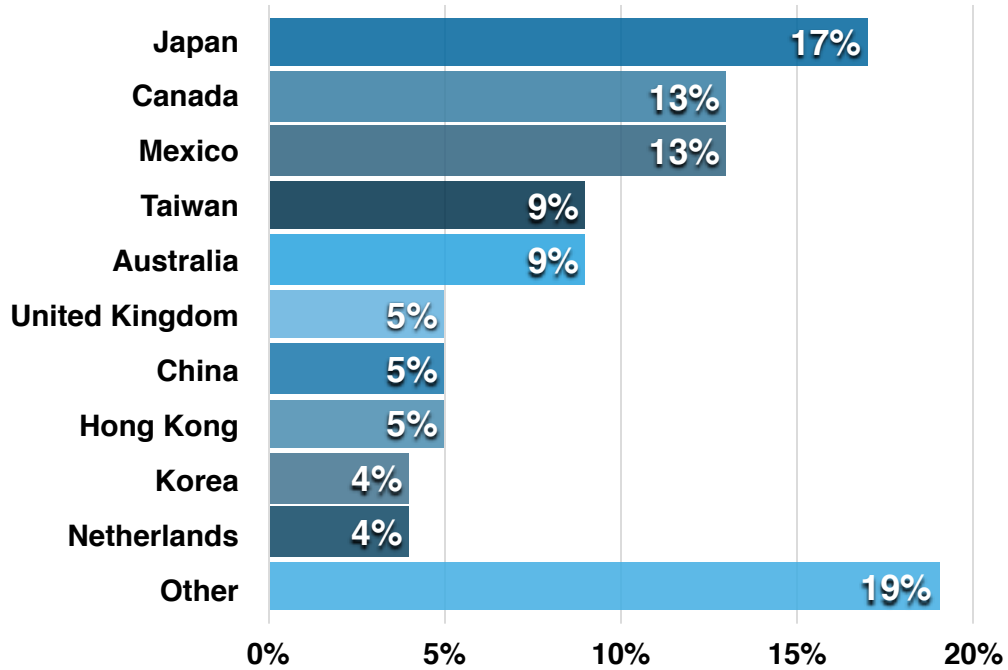
Greece  
Guatemala  
Honduras  
Hong Kong  
Israel  
Italy  
Japan  
Jordan  
Korea, Republic of  
Lebanon  
Luxembourg  
Malaysia

Mexico  
Morocco  
Netherlands  
New Zealand  
Nicaragua  
Pakistan  
Panama  
Philippines  
Portugal  
Qatar  
Romania  
Russian Federation

Saudi Arabia  
South Africa  
Spain  
Sweden  
Switzerland  
Taiwan  
Thailand  
Turkey  
United Arab Emirates  
United Kingdom  
Uruguay  
Vietnam

# EXPORT PARTNERS

Percentage of Total Export Certificates Issued 2014



# FAIRS AND EXPOSITIONS

801 S. 10th Ave  
Hanford, CA 93230



Phone 584-3318  
Fax 584-0192

# ORGANIC PRODUCTION

In response to industry petitions and requests, the 1990 Organic Foods Production Act was passed and authorized the National Organic Program to regulate all organic products certified in the United States. The California Organic Products Act made for the adoption and enforcement of federal regulations. These programs define organic practices to preserve the integrity of the organic industry. Consumers and business alike are protected when organic foods meet the approved standards for the production, storage, and processing of organic products. Only products that meet these strict standards may legally use the word “organic.”

Kings County had 27 organic producers and five organic handlers in 2014 including one new registration. On 25,822 acres, Kings County growers produced more than 70 organic crops including various nuts, tree fruits, vegetables, flowers, herbs, field crops, and organic fallow farmland. The crop values are included in their respective commodity groups.



# CERTIFIED FARMERS MARKET

## Thursday Night Market Place

Irwin Street, Hanford  
Thursdays  
5:30 PM to 9:00 PM  
May thru September

## Lemoore Friday Night Market

D Street, Lemoore  
Fridays  
5:00 PM to 9:00 PM  
April thru October

Farmer's Markets not only allow for the community members to get together, but also provide an opportunity to obtain fresh, seasonal produce. The purpose of a Certified Farmers' Market (CFM) is for growers to directly market what they have grown straight to the customers.

To ease the direct marketing process, growers are exempt from standard containers, sizing, labeling, and packing requirements that a commercial packer is required to follow.

Producers are certified by their County's Agricultural Commissioner after verifying that the farmers are growing what they plan to sell.

Kings County certified producers grow an extensive variety of products including fresh fruits and vegetables, flowers, numerous types of herbs, nuts, and specialty crops.



# LAND USE

Surrounding Counties	2013 Rank	2013 Gross Value*	Total County Area Acres	Top Commodity	2013 Value
Tulare	1	\$7,346,607,000	3,840,000	Milk	\$2,077,949,000
Kern	2	\$6,769,668,000	3,112,320	Grapes	\$1,445,006,000
Fresno	3	\$6,436,974,000	5,166,720	Almonds	\$1,049,800,000
Monterey	4	\$4,379,723,000	2,127,359	Strawberries	\$858,211,000
<b>Kings</b>	<b>8</b>	<b>\$2,267,178,000</b>	<b>890,785</b>	<b>Milk</b>	<b>\$769,142,000</b>

\* Gross Value does not include timber. Values based on annual crop reports.



## LAND USE SUMMARY

Land Use Category	2012		2010		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	118,449	13	130,258	15	-11,809
Farmland of Statewide Importance	376,869	43	388,891	44	-12,022
Unique Farmland	19,864	2	21,802	2	-1,938
Farmland of Local Importance	11,152	1	11,136	1	16
Grazing Land	295,809	33	271,830	31	23,979
Urban and Built-Up Land	36,640	4	35,847	4	793
Other Land	31,940	4	30,959	3	-981
Water Area	62	0	62	0	0
<b>Total Acres</b>	<b>890,785</b>		<b>890,785</b>		

# WEIGHTS & MEASURES

## Mission Statement:

We, as an important member of the California Department of Food and Agriculture, serve the people of California by preserving and defending the measurement standards essential in providing the citizens a basis of value comparison and fair competition in the marketplace.

In Kings County, weights and measures inspectors work to preserve equity in the marketplace. Using specialized and accurate equipment, they perform a multitude of inspections of commercial devices and commodities that touch the lives of people everyday.

In 2014, the Kings County Department of Measurement Standards:

- Verified 198 devices for Service Agencies
- Inspected 2,460 devices including:
  - 289 Counter Scales
  - 25 Livestock & Animal Scales
  - 112 Vehicle Scales
  - 1,347 Retail Motor Fuel Meters (gas pumps) as well as checking for petroleum advertising and labeling compliance
- Verified scanned prices of 1,786 packages and made 53 test purchases in Quantity Control
- Performed 24 weighmaster audits



# KINGS COUNTY GENERAL INFORMATION



County Seat	Hanford
County Population (1/1/2014)	149,942*
Population per Square Mile	109
Total Assessed Value (2014)	\$9,011,878,891
Land Area (Square Miles)	1,392
Total Acres	890,785**
Total Harvested Crop Acreage (2014)	721,363
Total Farmland	82,143**
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 2013 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 3500 feet above sea level at the Kings/Monterey County line boundary.

Average length of growing season: 257 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

# RAINFALL - HANFORD, CA

YEAR	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1964-65	0.00	0.34	0.00	0.95	1.31	1.44	1.18	0.33	0.33	1.57	0.00	0.00	7.45
1965-66	0.00	0.05	0.07	0.05	2.15	1.97	0.63	0.71	0.10	0.00	0.07	0.00	5.80
1966-67	0.04	0.00	0.29	0.09	1.28	2.57	1.41	0.05	2.42	2.95	0.07	0.06	11.23
1967-68	0.00	0.00	0.31	0.00	1.99	0.50	0.62	0.64	1.00	0.50	0.08	0.23	5.87
1968-69	0.00	0.00	0.00	1.33	0.98	1.64	6.69	4.54	0.79	0.85	0.32	0.00	17.14
1969-70	0.07	0.00	0.15	0.05	0.51	0.70	1.60	1.33	1.42	0.14	0.00	0.21	6.18
1970-71	0.00	0.00	0.00	0.00	2.40	1.23	0.35	0.19	0.23	0.40	1.44	0.00	6.24
1971-72	0.00	0.00	0.04	0.06	0.41	1.87	0.04	0.35	0.00	0.23	0.00	0.00	3.00
1972-73	0.00	0.00	0.24	0.21	2.90	0.65	2.44	2.29	2.20	0.12	0.00	0.00	11.05
1973-74	0.00	0.00	0.00	0.76	0.46	0.94	2.97	0.13	1.75	0.03	0.00	0.00	7.04
1974-75	0.00	0.00	0.00	0.64	0.24	1.40	0.09	2.26	1.24	0.49	0.00	0.00	6.37
1975-76	0.00	0.00	0.98	0.76	0.05	0.22	0.00	2.94	0.19	1.47	0.03	0.00	6.64
1976-77	0.00	0.22	1.47	0.00	1.15	0.96	0.96	0.03	0.43	0.00	0.01	0.01	5.24
1977-78	0.00	0.00	0.00	0.05	0.06	2.85	2.22	5.05	4.12	1.71	0.00	0.07	16.13
1978-79	0.00	0.00	1.10	0.00	0.79	0.50	1.84	1.61	1.16	0.03	0.00	0.00	7.03
1979-80	0.04	0.00	0.08	0.41	0.62	0.41	2.90	2.71	1.28	0.05	0.04	0.00	8.54
1980-81	0.00	0.00	0.00	0.09	0.00	0.21	1.80	0.86	2.10	0.68	0.17	0.00	5.91
1981-82	0.00	0.00	0.00	0.76	1.08	0.29	0.84	0.33	3.52	1.75	0.00	0.00	8.57
1982-83	0.18	0.00	0.64	1.03	2.15	0.71	3.74	2.59	3.39	1.63	0.04	0.45	16.55
1983-84	0.00	0.05	0.82	0.43	1.66	1.22	0.01	0.42	0.27	0.18	0.00	0.00	5.06
1984-85	0.00	0.00	0.01	0.52	1.41	1.66	0.59	0.61	0.68	0.12	0.01	0.00	5.61
1985-86	0.05	0.00	0.00	0.54	2.11	0.56	1.46	2.60	3.40	0.45	0.00	0.00	11.17
1986-87	0.00	0.00	0.15	0.00	0.21	0.77	1.77	2.04	2.02	0.06	0.13	0.00	7.15
1987-88	0.00	0.00	0.00	0.86	0.72	1.74	1.37	0.40	0.93	2.65	0.07	0.05	8.79
1988-89	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	0.85	0.02	0.39	0.06	7.99
1989-90	0.00	0.00	0.67	0.32	0.20	0.53	1.79	1.02	0.30	0.97	0.87	0.00	6.67
1990-91	0.00	0.66	0.00	0.01	0.22	0.09	0.37	1.32	6.67	0.19	0.66	0.00	10.19
1991-92	0.00	0.00	0.11	0.38	0.14	1.32	1.40	3.32	0.85	0.10	0.00	0.36	7.98
1992-93	0.01	0.00	0.00	0.58	0.00	2.62	3.88	2.48	2.16	0.07	0.08	0.00	11.88
1993-94	0.00	0.00	0.24	0.24	0.68	0.66	1.45	1.02	0.70	0.69	0.00	0.26	5.94
1994-95	0.00	0.00	1.06	0.35	1.54	0.33	4.70	0.51	4.77	0.65	0.87	0.00	14.78
1995-96	0.00	0.00	0.00	0.00	0.00	1.59	1.79	2.55	2.15	0.89	0.16	0.00	9.13
1996-97	0.00	0.00	0.00	1.65	0.87	3.03	3.02	0.12	0.21	0.00	0.00	0.04	8.94
1997-98	0.00	0.00	0.06	0.09	1.96	1.80	2.00	4.05	2.60	1.68	1.31	0.00	15.55
1998-99	0.00	0.00	0.00	0.68	0.63	0.64	3.01	0.56	0.43	1.37	0.00	0.44	7.76
1999-00	0.00	0.00	0.00	0.15	0.00	0.00	1.08	3.28	1.59	0.97	0.48	0.00	7.55
2000-01	0.00	0.00	0.03	1.31	0.00	0.03	1.98	1.48	1.24	1.12	0.00	0.35	7.54
2001-02	0.09	0.00	0.00	0.18	1.84	1.99	0.87	0.31	1.04	0.03	0.01	0.00	6.36
2002-03	0.00	0.00	0.00	0.00	1.42	1.14	0.25	1.13	1.05	1.67	0.67	0.82	8.15
2003-04	0.00	0.00	0.00	0.07	0.47	2.05	0.97	2.32	0.25	0.01	0.02	0.00	6.16
2004-05	0.00	0.00	0.00	2.09	0.44	2.13	2.55	1.69	2.02	0.70	0.84	0.00	12.46
2005-06	0.00	0.00	0.02	0.01	0.21	1.15	3.07	0.48	2.60	2.98	0.54	0.00	11.06
2006-07	0.00	0.00	0.00	0.09	0.16	0.90	0.61	0.90	0.22	0.27	0.01	0.00	3.16
2007-08	0.00	0.05	0.32	0.30	0.10	1.17	1.86	1.10	0.00	0.00	0.10	0.00	5.00
2008-09	0.00	0.00	0.00	0.14	1.03	1.36	0.60	1.43	0.21	0.03	0.43	0.37	5.60
2009-10	0.00	0.00	0.20	1.31	0.23	1.27	2.30	1.93	0.31	1.63	0.32	0.00	9.50
2010-11	0.00	0.00	0.00	0.76	1.24	5.29	0.88	0.96	2.70	0.32	0.41	0.91	13.47
2011-12	0.04	0.00	0.00	0.48	0.71	0.01	0.61	0.43	1.72	1.79	0.03	0.00	5.82
2012-13	0.00	0.00	0.00	0.14	0.34	1.52	0.25	0.42	0.67	0.08	0.18	0.00	3.60
2013-14	0.00	0.00	0.01	0.00	0.33	0.16	0.30	1.38	0.27	0.35	0.01	0.00	2.81
2014-15	0.00	0.00	0.03	0.00	0.94	2.52							
<b>AVERAGE</b>	<b>0.01</b>	<b>0.03</b>	<b>0.18</b>	<b>0.42</b>	<b>0.87</b>	<b>1.29</b>	<b>1.60</b>	<b>1.46</b>	<b>1.45</b>	<b>0.73</b>	<b>0.22</b>	<b>0.09</b>	<b>8.30</b>