



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

TIM NISWANDER
Agricultural Commissioner
Sealer of Weights and Measures

June 4, 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 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

TABLE OF CONTENTS

Cover Story.....	1
Summary Letter.....	2
Table of Contents.....	3
County Administration/Ag Commissioner-Sealer Personnel.....	4
Fruit & Nut Crops.....	5
Field Crops.....	7
Vegetable Crops.....	9
Seed Crops.....	9
Organic Production.....	9
Livestock & Poultry.....	10
Livestock & Poultry Products.....	11
Apiary Products.....	12
5 Year Comparison of Acreage and Crop Value.....	13
Top 10 Commodities.....	14
Sustainable Agriculture Report.....	15
Export Commodities and Trade Partners.....	17
Top Export Countries.....	18
Certified Farmer’s Market.....	19
Land Use.....	20
Kings County General Information.....	21
Kings County Rainfall.....	22

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 Schrumph

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/	2012						
	2011	956	9.39	8,977	TON	\$35.90	\$322,000
Pasture, Irrigated a/	2012						
	2011	1,132				\$160.00	\$181,000
Pasture, Range	2012	261,590				\$2.03	\$531,000
	2011	270,699				\$23.10	\$6,253,000
Sorghum, Silage	2012	10,982	15.80	173,516	TON	\$39.40	\$6,837,000
	c/ 2011	11,961	14.01	167,574	TON	\$38.50	\$6,452,000
Sudan, Hay	2012	817	4.72	3,856	TON	\$140.00	\$540,000
	2011	1,086	4.63	5,028	TON	\$152.00	\$764,000
Sudan, Silage a/	2012						
	2011	1,741	11.47	19,969	TON	\$36.80	\$735,000
Triticale, Silage	2012	4,028	16.94	68,234	TON	\$40.30	\$2,750,000
	2011	2,858	15.92	45,499	TON	\$37.50	\$1,706,000
Wheat, Grain	2012	57,431	3.35	192,394	TON	\$286.00	\$55,025,000
	2011	57,603	3.03	174,537	TON	\$241.00	\$42,063,000
Wheat, Silage	2012	57,489	15.75	905,452	TON	\$40.40	\$36,580,000
	2011	51,508	15.89	818,462	TON	\$39.60	\$32,411,000
Other d/	2012	64,582					\$26,568,000
	2011	48,356					\$17,401,000
TOTAL	2012	715,383					\$634,944,000
	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
Cattle and Calves		
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
Sheep and Lambs	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
TOTAL	2012					\$265,548,000
	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/	2012				
	2011	2,132,670	Doz.	\$1.29	\$2,751,000
Manure	2012	1,548,648	Ton	\$6.92	\$10,717,000
	2011	1,326,029	Ton	\$6.89	\$9,136,000
Milk, Market	2012	42,491,167	Cwt.	\$16.25	\$690,481,000
	2011	43,364,473	Cwt.	\$18.27	\$792,269,000
Milk, Mfg.	2012	54,098	Cwt.	\$18.56	\$1,004,000
	2011	208,419	Cwt.	\$18.74	\$3,906,000
Milk, Goats	2012	67,928	Cwt.	\$36.76	\$2,497,000
	2011	87,242	Cwt.	\$37.07	\$3,234,000
Milk Total	2012	42,613,193	Cwt.		\$693,982,000
	2011	43,660,134	Cwt.		\$799,409,000
Wool b/	2012	103,560	Lb.	\$1.60	\$166,000
	2011	103,168	Lb.	\$2.20	\$227,000
TOTAL	2012				\$704,865,000
	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
TOTAL	2012				\$6,972,000
	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
Apiary Products	\$6,972,000	\$6,656,000	\$6,548,000	\$5,982,000	\$5,511,000
Field Crops	\$634,944,000	*\$612,949,000	\$448,935,000	\$312,067,000	*\$493,355,000
 Acreage	715,383	*717,408	689,758	644,285	*700,727
Fruit and Nut Crops	\$412,643,000	\$412,088,000	\$319,122,000	\$253,440,000	*\$243,697,000
 Acreage	68,019	63,793	60,200	57,668	*55,744
Livestock and Poultry	\$265,548,000	\$191,853,000	\$161,417,000	\$146,509,000	\$147,892,000
Livestock and Poultry Products	\$704,865,000	\$811,523,000	\$568,050,000	\$418,682,000	\$677,468,000
Seed Crops	\$5,858,000	\$7,485,000	\$7,433,000	\$5,652,000	\$8,763,000
 Acreage	1,079	1,732	1,478	3,990	6,404
Vegetable Crops	\$184,184,000	\$177,015,000	\$206,466,000	*\$177,931,000	\$160,051,000
 Acreage	47,802	41,790	51,908	*36,527	40,674
TOTAL	\$2,215,014,000	*\$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

Crop	2012 Rank	Dollar Value	2011 Rank	2010 Rank	1962 Rank
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

Crop	Rank	Dollar Value
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
Total		\$101,323,000

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

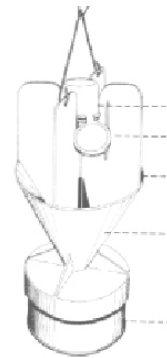
Pest	Number of Traps	Number of Servicing	Type of Trap
All Purpose Fruit Fly	109	988	Champ
Asian Citrus Psyllid	134	1083	Yellow Panel
European Corn Borer	14	183	Pherocon II
European Grape Vine Moth	491	7451	Delta
European Pine Shoot Moth	5	13	Pherocon II
Glassy Wing Sharpshooter	101	1227	Yellow Panel
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
Total	1,703	20,145	



Jackson Trap



McPhail Trap

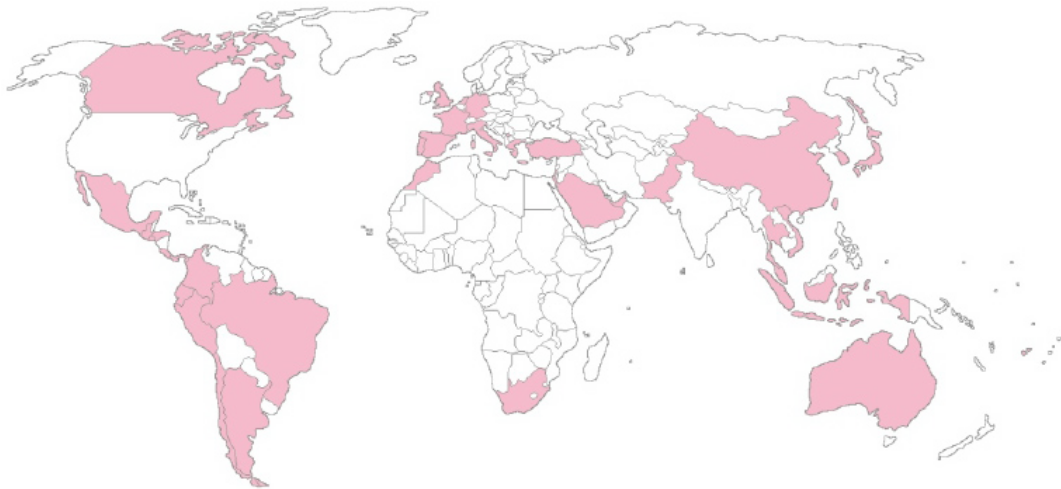


Japanese Beetle Trap

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		

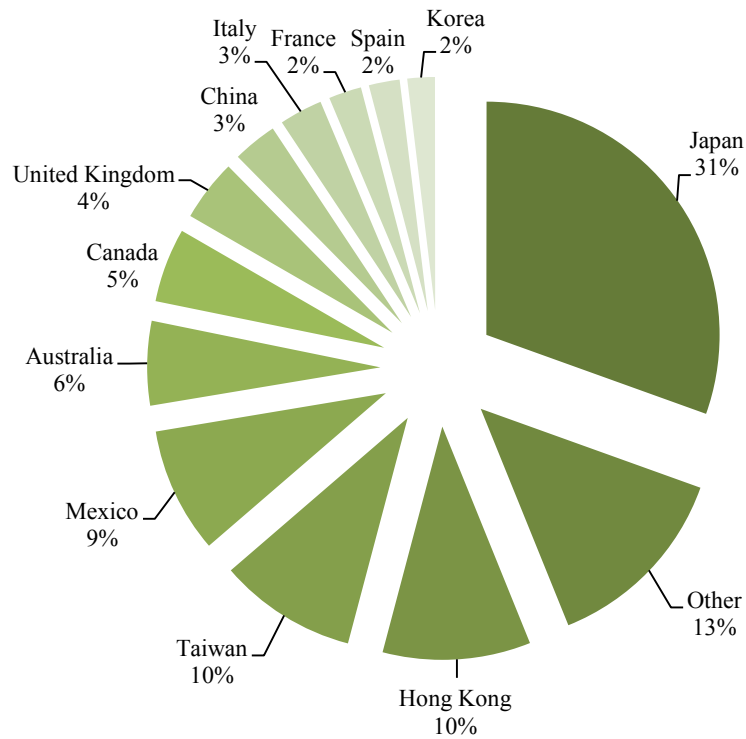


Export Trade Partners of Kings County in 2012

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
Kings	8	\$2,219,529,000	890,545	Milk	\$799,409,000	188,416

* 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

County Seat	Hanford
County Population (1/1/2013)	153,419*
Population per Square Mile	110
Total Assessed Value (2012)	\$8,815,062,980
Land Area (Square Miles)	1,391
Total Acres	890,545**
Total Harvested Crop Acreage (2012)	832,283
Total Farmland	810,644**
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 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	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							
AVERAGE	0.01	0.03	0.19	0.44	0.87	1.25	1.63	1.46	1.48	0.79	0.23	0.10	8.43

50 YEAR AVERAGE RAINFALL