



Kings County



2009 Agricultural Crop Report



Exporting California Grown Crops

The words “California Grown” are a point of pride for growers throughout the state of California. These words, emblazoned across containers, packaging, and the fresh product itself, invoke the image of hard working growers producing the highest quality product possible. Have you ever wondered as you drive by the multitude of crops grown in Kings County, where our “California Grown” crops finally end up? For 16 crops produced in the county, that destination lies outside the United States, thousands of miles away scattered across 50 countries worldwide. The Agricultural Commissioner’s quarantine inspection program plays a vital role in facilitating the exporting of these commodities.

Exporting farm products is not a simple process of just taking an order and shipping the goods. When it comes to exporting a commodity derived from a living plant, there is always a chance that the commodity may contain such pests as insects, weeds, and/or pathogens from the area it’s grown. All regions of the world have pests indigenous to their local area. If these pests are introduced to other areas where they did not exist before they could have devastating effects for that region, including impacting the agricultural production of the area. To help prevent the movement of these pests, countries have placed quarantines and special conditions for entry of foreign produce, plants and plant products. Countries exporting plant products must comply with all the conditions as set by the importing country. The Agricultural Commissioner’s quarantine inspectors assure that the conditions of entry to these countries are met and inspections performed prior to a plant product being shipped out of the United States.

County quarantine inspectors are extensively trained. They must first be licensed by the California Department of Food and Agriculture and have worked in the area of quarantine for a year, under the supervision of a senior quarantine inspector. Upon completion of that year, they are eligible to attend a United States Department of Agriculture (USDA) week-long training session culminating in an exam. Upon passing the exam, the inspectors are recognized as Authorized Certification Officials (ACO’s). This means that they have met the USDA qualifications to inspect commodities, identify pests, and interpret and apply phytosanitary (“phyto” meaning plant and “sanitary” meaning clean) rules and regulations. The ACO has the responsibility of inspecting the commodities being exported to assure that they have met the requirements of the importing country. Upon passing inspection, the ACO issues a phytosanitary certificate attesting to the compliance of the plant products’ eligibility for export. At this point, the commodities can now be shipped abroad. In Kings County, we currently have 13 staff that are certified as ACO’s.

Inspections related to exporting commodities do not only occur at the time of export. Some commodities must be monitored throughout the growing season. For example, before alfalfa seed is exported, the crop is inspected during the growing season for symptoms of disease. This is done since the seed itself, when harvested, will not exhibit any possible disease traits. Samples of suspicious plants are sent off to the state certified laboratory for analysis. The results of the laboratory tests help determine the planting seed’s export destinations. One country may allow certain diseases or pathogens, while other countries may not.

In 2009 1,042 phytosanitary certificates were issued in Kings County and 2,788 acres were inspected during the growing season. This represents 9,526 tons of commodities exported worldwide. The Agricultural Commissioner’s quarantine inspection program continues to play a major role in helping Kings County maintain its presence in the world market, helping the county provide the world with locally produced “California Grown” commodities.



Department of Agriculture / Measurement Standards

TIM NISWANDER
Agricultural Commissioner
Sealer of Weights and Measures

June 15, 2010

Secretary A.G. Kawamura
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 2009 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 2009 in Kings County was \$1,304,784,000. This represents a decrease of \$431,953,000 (24.9%) from the 2008 value.

Apiary Products increased \$471,000 (8.5%) attributed to increased honey production and almond pollination. Overall, Fruit and Nut Crops increased in value \$9,743,000 (4%) due primarily to increased prices and production in nuts. Vegetable Crops increased \$2,401,000 (1.5%) due to increased prices and production.

The following categories contributed to the overall decrease: Livestock and Poultry Products declined \$258,786,000 (38.2%) due to lower milk prices. Field Crops were down \$181,288,000 (36.7%) due to lower prices and a decrease in acreage brought on by the drought. Seed Crops decreased \$3,111,000 (35.5%) due to a decrease in acreage. Livestock and Poultry decreased due to fewer turkeys and lambs sold.

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 Joan Vernon, Deputy Agricultural Commissioner/Sealer, and Roberta Spomer and Janet Eckles, Agricultural and Standards Aides.

Respectfully Submitted,

Tim Niswander

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Fruit & Nut Crops

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Almond	2009	14,030	0.73	10,242	TON	\$3,340.00	\$34,208,000
	2008	13,054	0.71	9,268	TON	\$2,700.00	\$25,024,000
Almond Hulls	2009			20,351	TON	\$98.50	\$2,005,000
	2008			18,517	TON	\$159.00	\$2,944,000
Almond Shells	2009			5,088	TON	\$14.60	\$74,300
	2008			2,222	TON	\$42.30	\$94,000
Apricots Fresh	2009	671	2.93	1,966	TON	\$1,650.00	\$3,244,000
	2008	696	7.40	5,153	TON	\$1,700.00	\$8,760,000
Cherries a/	2009	1,427	2.09	2,982	TON	\$4,620.00	\$13,777,000
	2008				TON		
Firewood	2009			507	CORD	\$117.00	\$59,300
	2008			610	CORD	\$103.00	\$63,000
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 Raisin Varieties Fresh, Table Dried Crushed Canned Total	2008			36	TON	\$1,090.00	\$39,100
				5,113	TON	\$1,260.00	\$6,442,000
				567	TON	\$225.00	\$128,000
				1,032	TON	\$282.00	\$291,000
			2,256		6,747	TON	
Grapes Table Varieties	2009	964	11.11	10,710	TON	\$1,190.00	\$12,745,000
	2008	935	9.31	8,705	TON	\$1,100.00	\$9,576,000
Grapes Wine Varieties	2009	3,750	13.24	49,650	TON	\$284.00	\$14,101,000
	2008	3,297	10.83	35,707	TON	\$245.00	\$8,748,000
Grapes Total	2009	6,656					\$32,101,000
	2008	6,488					\$25,224,000

Fruit & Nut Crops

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Nectarines	2009	2273	5.47	12,433	TON	\$1,100.00	\$13,676,000
	2008	2,796	8.38	23,430	TON	\$981.00	\$22,985,000
Peaches Cling	2009	713	19.69	14,039	TON	\$403.00	\$5,658,000
	2008	847	20.26	17,168	TON	\$314.00	\$5,391,000
Peaches Freestone	2009	3,337	5.52	18,420	TON	\$1,100.00	\$20,262,000
	2008	3,651	8.79	32,091	TON	\$963.00	\$30,904,000
Peaches Freezer	2009	228	21.00	4,788	TON	\$285.00	\$1,365,000
	2008	442	19.30	8,527	TON	\$282.00	\$2,405,000
Peaches Total	2009	4,278			TON		\$27,285,000
	2008	4,940			TON		\$38,700,000
Pistachios	2009	10,579	1.52	16,080	TON	\$3,510.00	\$56,441,000
	b/ 2008	10,035	0.85	8,530	TON	\$4,190.00	\$35,741,000
Plums	2009	2,418	4.60	11,123	TON	\$1,270.00	\$14,126,000
	2008	2,610	7.14	18,637	TON	\$916.00	\$17,071,000
Walnuts	2009	11,250	1.93	21,713	TON	\$1,680.00	\$36,478,000
	2008	12,630	2.00	25,261		\$1,320.00	\$33,345,000
Others c/	2009	4,086					\$19,965,000
	2008	4,750					\$33,746,000
TOTAL	2009	57,668					\$253,440,000
	2008	55,744					\$243,697,000

a/ Previously included in "Others"

b/ Revised

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

"When tillage begins, other arts follow. The farmers, therefore, are the founders of human civilization." - Daniel Webster

Field Crops

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Alfalfa, Hay	2009	62,423	7.71	481,281	TON	\$106.00	\$51,016,000
	2008	75,941	6.51	494,376	TON	\$208.00	\$102,830,000
Alfalfa, Silage	2009	5,361	4.80	25,733	TON	\$23.70	\$610,000
	2008	10,204	4.01	40,918	TON	\$38.70	\$1,584,000
Alfalfa, Silage All Year a/	2009	2,050	38.07	78,044	TON	\$19.80	\$1,545,000
	2008				TON		
Alfalfa, Stubble	2009	15,606			TON	\$25.00	\$390,000
	2008	18,895			TON	\$25.00	\$475,000
Barley, Grain	2009	661	2.00	1,322	TON	\$175.00	\$231,000
	b/ 2008				TON		
Barley, Silage c/	2009				TON		
	2008	962	11.10	10,678	TON	\$31.00	\$331,000
Beans, Dry	2009	2,343	1.13	2,648	Cwt.	\$781.00	\$2,068,000
	b/ 2008				Cwt.		
Corn Grain	2009	3,866	4.37	16,894	TON	\$151.00	\$2,551,000
	2008	2,953	5.29	15,621	TON	\$196.00	\$3,062,000
Corn Silage	2009	63,232	26.99	1,706,632	TON	\$25.70	\$43,860,000
	2008	73,944	27.00	1,996,488	TON	\$48.10	\$96,031,000
Cotton, Acala - Lint d/	2009	8,442	3.33	28,112	495 lbs.	\$368.00	\$10,345,000
	2008	13,515	3.04	41,086	495 lbs.	\$374.00	\$15,366,000
Cotton, Acala - Seed	2009			12,165	TON	\$280.00	\$3,406,000
	2008			17,751	TON	\$260.00	\$4,615,000
Cotton, Pima - Lint d/	2009	59,584	2.94	175,177	495 lbs.	\$586.00	\$102,654,000
	2008	72,465	2.49	180,438	495 lbs.	\$569.00	\$102,669,000

Field Crops

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Cotton Pima - Seed	2009			75,851	TON	\$258.00	\$19,570,000
	2008			78,165	TON	\$230.00	\$17,978,000
Oat, Hay	2009	5,664	3.44	19,484	TON	\$76.20	\$1,485,000
	2008	3,553	3.04	10,800	TON	\$170.00	\$1,836,000
Oat, Silage b/	2009	1,129	9.78	11,042	TON	\$22.10	\$244,000
	2008				TON		
Pasture, Irrigated	2009	10,250				\$150.00	\$1,538,000
	2008	11,000				\$145.00	\$1,595,000
Pasture, Range	2009	232,933				\$4.50	\$1,048,000
	2008	189,237				\$15.00	\$2,839,000
Ryegrass, Silage	2009	1,627	14.04	22,843	TON	\$23.10	\$528,000
	b/ 2008				TON		
Safflower c/	2009				TON		
	2008	19,387	1.04	20,162	TON	\$443.00	\$8,932,000
Sorghum, Silage	2009	9,160	16.58	151,873	TON	\$19.90	\$3,022,000
	2008	8,662	16.50	142,923	TON	\$35.40	\$5,059,000
Sudan, Hay	2009	529	3.34	1,767	TON	\$63.70	\$113,000
	2008	1,404	2.60	3,651	TON	\$139.00	\$507,000
Sudan, Silage	2009	1,275	11.25	14,344	TON	\$41.00	\$588,000
	2008	1,394	12.80	17,843	TON	\$34.50	\$616,000
Triticale, Hay	2009				TON		
	2008	2,533	3.36	8,511	TON	\$250.00	\$2,128,000
Triticale, Silage	2009	5,167	11.55	59,679	TON	\$39.50	\$2,357,000
	2008	2,573	17.90	46,057	TON	\$40.00	\$1,842,000

Field Crops

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Wheat, Grain	2009	41,545	2.86	118,819	TON	\$228.00	\$27,091,000
	2008	91,987	3.39	311,836	TON	\$240.00	\$74,841,000
Wheat, Silage	2009	54,233	17.86	968,601	TON	\$21.90	\$21,212,000
	2008	57,727	17.80	1,027,548	TON	\$39.10	\$40,177,000
Wheat, Straw	2009	25,399	1.50	38,099	TON	\$44.00	\$1,676,000
	e/ 2008	36,500	2.50	91,250	TON	\$45.00	\$4,106,000
Others f/	2009	31,806					\$12,919,000
	2008	5,801					\$3,937,000
TOTAL	2009	644,285					\$312,067,000
	e/ 2008	700,727					\$493,355,000

a/ New Category

b/ Previously included in Others

c/ Currently included in Others

d/ 495 lbs. = 1 bale

e/ Revised Figure

f/ Barley Silage, Corn Human Consumption, Forage, Hay-Other, Safflower, Screenings, Sorghum Milo, Sugar Beets-Silage.

Agricultural Efficiency...

Production Per Acre Comparison For Miscellaneous Crops 2009 - 1959

Crop	2009		1959	
	Production/Acre	Unit	Production/Acre	Unit
Barley	2.00	Tons	1.51	Tons
Corn Silage	26.99	Tons	14.55	Tons
Cotton	2.99	Bales	1.91	Bales
Walnuts	1.93	Tons	0.94	Tons
Wheat	2.89	Tons	1.36	Tons

Vegetable & Seed Crops

Crop	Year	Harvested Production			Unit	Value	
		Acres	Per Acre	Total		Per Unit	Total
Garlic, Processed a/	2009				TON		
	2008	1,835	10.43	19,132	TON	\$248.00	\$4,737,000
Melons, All b/	2009	1,198	16.68	19,983	TON	\$294.00	\$5,875,000
	2008	1,173	17.63	20,674	TON	\$133.50	\$2,760,000
Seed Crops c/	2009	3,990			TON		\$5,652,000
	2008	6,404			TON		\$8,763,000
Tomatoes, Processed	2009	26,658	53.91	1,437,133	TON	\$71.80	\$103,186,000
	2008	30,425	49.88	1,517,750	TON	\$66.60	\$101,083,000
Other d/	2009	5,913					\$53,391,000
	2008	7,241					\$51,471,000
TOTAL	2009	37,759					\$168,104,000
	2008	47,087					\$168,814,000

a/ Currently included in others.

b/ Cantaloupes and specialty melons.

c/ Alfalfa certified, alfalfa non-certified, asparagus, carrots, corn, cotton certified, lettuce, endive, head lettuce, onions, triticale, and wheat certified.

d/ Asparagus, bell peppers, bell peppers organic, broccoli, broccoli organic, cabbage organic, carrots, carrots organic, cauliflower, cauliflower organic, corn sweet, garlic processed, onions, squash organic, tomatoes fresh.

Organic Production

Kings County had 20 certified organic growers in 2009 producing on 12,645 acres. The following organic crops were produced in the county: almonds, apples, apricots, asparagus, bell peppers, broccoli, carrots, cauliflower, cherries, figs, nectarines, onions, peaches, pears, persimmons, pistachios, pomegranates, plums, pluots, quince, raisins, squash, processed tomatoes, walnuts, and wheat. The value of these crops are included in their respective commodity groups.



Inventories of Livestock & Poultry

Item	January 1, 2009 Number of Head	January 1, 2008 Number of Head
Cattle and Calves		
All	312,000	326,000
Dairy Cows 2 Years and Over	175,200	180,000
Cattle and Calves on Feed	7,000	7,000
Other	130,000	201,000
Sheep and Lambs	9,288	9,669
Goats	8,557	7,220
Hogs and Pigs	122	141
Turkeys	1,108,727	481,866

Livestock & Poultry

Item	Year	Number of Head	Total Liveweight	Unit	Value Per Unit	Total
Cattle and Calves a/	2009	231,341	2,292,901	Cwt.	\$57.20	\$131,154,000
	2008	208,230	1,831,416	Cwt.	\$65.70	\$120,324,000
Sheep and Lambs	2009	5,588	6,588	Cwt.	\$115.00	\$758,000
	2008	9,669	11,392	Cwt.	\$124.00	\$1,413,000
Turkeys	2009	1,108,727	23,998,300	lb.	\$0.60	\$14,399,000
	2008	1,927,465	44,162,921	lb.	\$0.59	\$25,950,000
Other b/	2009	30,115				\$198,000
	2008	24,868				\$205,000
TOTAL	2009					\$146,509,000
	2008					\$147,892,000

a/ Includes breeding stock value in total

b/ Includes chickens, goats, hogs, and pigs

“The first farmer was the first man, and all historic nobility rests on possession and use of land.” - Ralph Waldo Emerson

Livestock & Poultry Products

Item	Year	Total Production	Unit	Value Per Unit	Total
Eggs, Chicken Market	2009	2,302,200	Doz.	\$1.46	\$3,361,000
	2008	2,755,800	Doz.	\$1.46	\$4,023,000
Manure	2009	1,128,683	Ton	\$3.87	\$4,368,000
	2008	1,252,869	Ton	\$2.35	\$2,945,000
Milk, Market	2009	36,242,595	Cwt.	\$11.20	\$405,917,000
	2008	40,179,265	Cwt.	\$16.60	\$666,976,000
Milk, Mfg.	2009	297,981	Cwt.	\$11.94	\$3,558,000
	2008	113,188	Cwt.	\$18.70	\$2,117,000
Milk, Goats	2009	36,157	Cwt.	\$39.63	\$1,433,000
	2008	36,229	Cwt.	\$36.30	\$1,315,000
Milk Total	2009	36,576,733	Cwt.		\$410,908,000
	2008	40,328,682	Cwt.		\$670,408,000
Wool a/	2009	74,304	lb.	\$0.60	\$44,600
	2008	76,800	lb.	\$1.20	\$92,000
TOTAL	2009				\$418,682,000
	2008				\$677,468,000

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	2009	745,240	lb.	\$1.30	\$969,000
	2008	560,860	lb.	\$1.33	\$746,000
Beeswax	2009	9075	lb.	\$2.27	\$20,600
	2008	11,800	lb.	\$1.39	\$16,400
Seed Alfalfa	2009	5,221	Colonies	\$37.80	\$197,000
	2008	17,619	Colonies	\$34.20	\$603,000
Tree Fruit/Nut a/	2009	35,531	Colonies	\$133.00	\$4,726,000
	2008	29,460	Colonies	\$138.60	\$4,083,000
Melons	2009	1,498	Colonies	\$28.80	\$43,100
	2008	1,616	Colonies	\$25.90	\$41,800
Vegetable Seed	2009	945	Colonies	\$27.50	\$26,000
	2008	595	Colonies	\$34.10	\$20,300
TOTAL	2009				\$5,982,000
	2008				\$5,511,000

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

Agricultural Quick Facts

Kings County is ranked 8th among California counties in agricultural production. (2008)

Kings County is ranked 1st among California counties in the production of cotton lint and cottonseed. (2008)

Kings County is ranked 2nd in the production of wheat. (2008)

Kings County is ranked 3rd in the production of each of the following crops: apricots, garlic, plums, silage, and processed tomatoes. (2008)

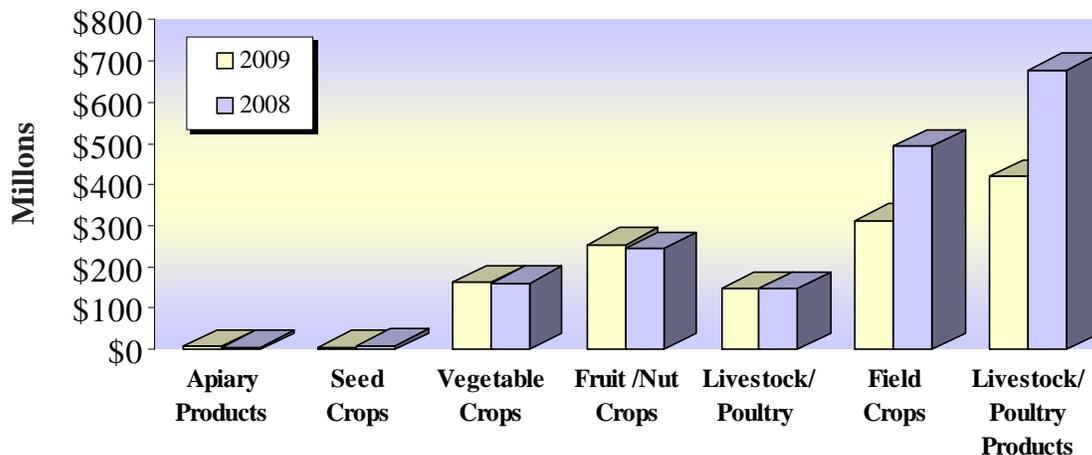
Kings County produces 9.8% of all milk and cream in the state, making it the state's 4th largest producer. (2008)

5 Year Comparison of Acreage & Crop Values

	2009	2008	2007	2006	2005
Apiary Products	\$5,982,000	\$5,511,000	\$6,263,000	\$5,415,000	\$2,994,000
Field Crops	\$312,067,000	*\$493,355,000	\$427,716,000	\$364,106,000	\$381,789,000
Acreage	644,285	*700,727	643,563	695,489	710,331
Fruit and Nut Crops	\$253,440,000	*\$243,697,000	\$316,357,000	\$252,347,000	\$245,365,000
Acreage	57,668	*55,744	60,914	53,438	49,201
Livestock and Poultry	\$146,509,000	\$147,892,000	\$184,193,000	\$161,497,000	\$202,234,000
Livestock and Poultry Products	\$418,682,000	\$677,468,000	\$696,074,000	\$417,994,000	*\$463,117,000
Seed Crops	\$5,652,000	\$8,763,000	\$10,802,000	\$12,962,000	\$8,340,000
Acreage	3,990	6,404	13,319	21,907	9,164
Vegetable Crops	\$162,452,000	\$160,051,000	\$120,447,000	\$74,865,000	\$103,380,000
Acreage	33,769	40,674	35,608	29,675	31,597
TOTAL	\$1,304,784,000	*\$1,736,737,000	\$1,761,852,000	\$1,289,186,000	*\$1,407,219,000

* Revised

2009 and 2008 Production Value Comparisons



Top 10 Commodities

Crop	2009 Rank	Dollar Value	2008 Rank	2007 Rank	1959 Rank
Milk, Total	1	\$410,908,000	1	1	5
Cotton, Total	2	\$136,621,000	2	2	1
Cattle and Calves	3	\$131,154,000	3	3	4
Tomatoes, Processed	4	\$103,186,000	5	6	n/a
Pistachios	5	\$56,441,000	8	5	n/a
Alfalfa, Total	6	\$56,116,000	4	4	3
Corn, Silage	7	\$43,860,000	6	7	15
Walnuts	8	\$36,478,000	11	9	16
Almonds, Total	9	\$36,287,000	12	8	n/a
Grapes, Total	10	\$32,101,000	14	14	8
Total		\$1,043,152,000			

A Look Back, 50 Years Ago.....1959 Kings County's Top 10 Commodities

Crop	Rank	Dollar Value
Cotton, Total	1	\$37,107,000
Barley, Total	2	\$13,327,000
Alfalfa, Total	3	\$10,614,000
Cattle and Calves	4	\$ 9,828,000
Milk, Total	5	\$ 9,634,000
Permanent Pasture	6	\$ 2,965,000
Turkeys	7	\$ 1,453,000
Grapes, Total	8	\$ 1,385,000
Cantaloupes	9	\$ 1,377,000
Peaches	10	\$ 1,323,000
Total		\$89,013,000

“Cultivators of the earth are the most valuable citizens. They are the most vigorous, the most independent, the most virtuous, and they are tied to their country and wedded to its liberty and interests by the most lasting bands.” - 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 Sites
	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	1,834 Inspections
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	139 Inspections
Various Pests	Truck Shipments	14,833 Inspections
Crops	Activity	Scope of Program
Export Commodities	Origin Certification	1,120 issued
Export Seed	Field Inspections	79 sites / 2,788 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	65,920 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	3 Sites Treated

County Pest Detection

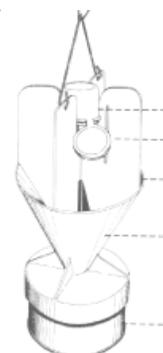
Pest	Number of Traps	Type of Traps
Mediterranean Fruit Fly	214	Jackson Traps
Mexican Fruit Fly	101	McPhail Traps
All Pupose Fruit Fly	16	Champ Traps
Oriental Fruit Fly	80	Jackson Traps
Melon Fly	80	Jackson Traps
Gypsy Moth	83	Delta Traps
Japanese Beetle	80	Japanese Beetle Traps
Glassy Wing Sharpshooter	87	Yellow Panel Trap
European Pine Shoot Moth	5	Pherocon II Traps
Khapra Beetle	204	Trogo Traps
Apple Maggot	4	Adult Monitoring Traps
European Corn Borer	13	Pherocon II Traps
Total Traps	1,092	



Jackson Trap



McPhail Trap



Japanese Beetle Trap

Export Commodities

Commodities Grown and Exported From Kings County

Alfalfa Seed	Garlic	Peaches
Apricots	Grapes	Pistachios
Asparagus Seed	Nectarines	Plums
Cherries	Onions	Tomato Powder
Cotton	Onion Seed	Walnuts
Cotton Seed		

Export Trade Partners of Kings County in 2009

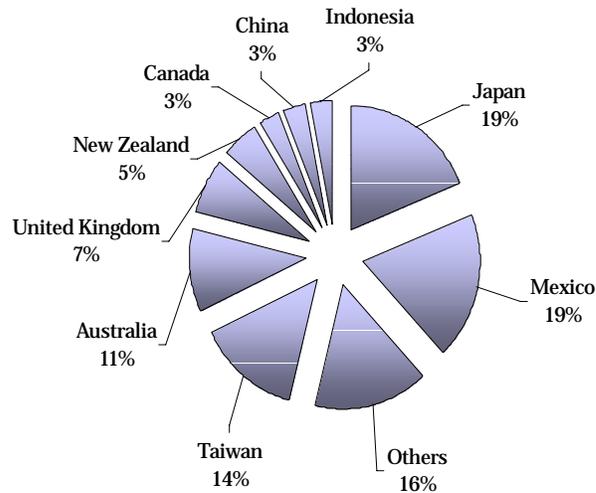
Australia	India	Peru
Brazil	Indonesia	Philippines
Canada	Israel	Poland
Czech Republic	Italy	Russian Federation
Chile	Japan	Saudi Arabia
China	Korea	South Africa
Colombia	Lebanon	Spain
Costa Rica	Malaysia	Taiwan
France	Mexico	Thailand
Germany	Netherlands	Turkey
Greece	New Zealand	United Arab Emirates
Guatemala	Norway	United Kingdom
Hong Kong	Panama	

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

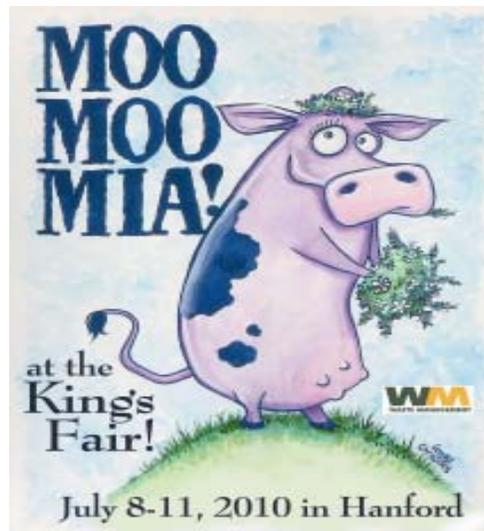
**To Learn More About The Kings County Department of Agriculture,
Visit Our Web Site At: www.countyofkings.com**

Export Partners

Top Export Countries 2009



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	Persimmons
Apples	Cucumbers	Pistachios
Apricots	Eggplant	Plums
Apriums	Figs	Pluots
Asian Pears	Fresh Cut Flowers	Pomegranates
Arugula	Garlic	Pommelos
Asparagus	Grapefruits	Potatoes
Basil	Grapes	Pumkins
Beans	Herbs	Quince
Beets	Honey	Radishes
Bell Peppers	Iris	Raisins
Blackberries	Kale	Soybeans
Blueberries	Kiwifruit	Spinach
Boysenberries	Lillies	Raspberries
Broccoli	Lemons	Satsumas
Brussel Sprouts	Limes	Squash
Cabbage	Mandarins	Sunflowers
Cactus Pears	Mistletoe	Strawberries
Camellias	Mixed Melons	Swiss Chard
Cantaloupes	Nectarines	Tangelos
Cauliflower	Olives	Tangerines
Celery	Onions	Tay Berries
Carrots	Oranges	Tomatoes
Cherries	Peaches	Walnuts
Chestnuts	Pears	Watermelon
Chili Peppers	Pecans	Zucchini

Land Use

Surrounding Counties	2008 Rank	2008 Gross Value*	Total County Area Acres	Top Commodity	2008 Value	Acres or No. of Head
Fresno	1	\$5,669,527,000	3,840,000	Grapes	\$723,211,000	193,210
Tulare	2	\$5,017,955,000	3,112,320	Milk	\$1,796,425,000	638,000
Kern	3	\$4,032,830,000	2,127,359	Milk	\$601,606,000	306,000
Monterey	4	\$3,829,123,000	5,166,720	Leaf Lettuce	\$651,503,000	95,327
Kings	8	\$1,736,737,000	890,545	Milk	\$670,408,000	180,000

* Gross Value does not include timber.

Land Use Summary

Land Use Category	2006		2004		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	139,212	16	140,582	16	- 1370
Farmland of Statewide Importance	420,422	47	429,773	48	- 9,351
Unique Farmland	25,982	3	28,523	3	- 2541
Farmland of Local Importance	8,868	1	8,283	1	+ 585
Grazing Land	243,183	27	233,493	26	+ 9,690
Urban and Built-Up Land	31,448	3	30,767	3	+ 681
Other Land	21,603	2	19,297	2	+ 2,306
Water Area	66	0	66	0	0
Total Acres	890,784		890,784		

From the California Department of Conservation. 2008 figures unavailable.

Kings County General Information

County Seat	Hanford
County Population (2009)	154,743
Population per Square Mile	111.2
Total Assessed Value (2009)	\$8,433,631,902
Land Area (Square Miles)	1,391
Total Acres	890,545*
Total Harvested Crop Acreage (2009)	739,712
Foreign Ownership (2008)	4,009 (acres)
Total Farmland	810,887
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 2008 total value).

Railroads - Burlington Northern & Santa Fe and 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							
AVERAGE	0.01	0.03	0.20	0.41	0.90	1.14	1.59	1.50	1.42	0.74	0.22	0.08	8.16

50 YEAR AVERAGE RAINFALL