



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 15th 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

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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Linda Lavars Sue Shanahan

FRUIT & NUT CROPS

Crop	Year	Harvested Production		Total	Unit	Value	
		Acres	Per Acre			Per Unit	Total
Almond	2010	14,376	1.00	14,376	TON	\$3,580.00	\$51,466,000
	2009	14,030	0.73	10,242	TON	\$3,340.00	\$34,208,000
Almond Hulls	2010			28,895	TON	\$103.00	\$2,976,000
	2009			20,351	TON	\$89.50	\$2,005,000
Almond Shells	2010			7,224	TON	\$16.60	\$120,000
	2009			5,088	TON	\$14.60	\$74,300
Apricots Fresh	2010	847	2.75	2,329	TON	\$2,810.00	\$6,544,000
	2009	671	2.93	1,966	TON	\$1,650.00	\$3,244,000
Cherries a/	2010	1,455	4.89	7,115	TON	\$3,950.00	\$28,104,000
	2009	1,427	2.09	2,982	TON	\$4,620.00	\$13,777,000
Firewood	2010			1,181	CORD	\$166.00	\$196,000
	2009			507	CORD	\$117.00	\$58,300
Grapes Raisin Varieties Fresh, Table Dried Crushed Canned Total	2010			138	TON	\$1,550.00	\$214,000
				3,443	TON	\$1,440.00	\$4,958,000
				604	TON	\$268.00	\$162,000
				174	TON	\$280.00	\$49,000
				4,359	TON		\$5,383,000
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 Table Varieties	2010	1,248	11.25	14,040	TON	\$1,260.00	\$17,690,000
	2009	964	11.11	10,710	TON	\$1,190.00	\$12,745,000
Grapes Wine Varieties	2010	3,784	12.72	48,132	TON	\$255.00	\$12,274,000
	2009	3,750	13.24	49,650	TON	\$284.00	\$14,101,000
Grapes Total	2010	6,947					\$35,347,000
	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
TOTAL	2010	689,758					\$448,935,000
	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			Unit	Value	
		Acres	Per Acre	Total		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
Cattle and Calves		
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
Sheep and Lambs	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
TOTAL	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

Item	Year	Total Production	Unit	Value Per Unit	Total
Eggs, Chicken Market	2010	2,068,575	Doz.	\$1.41	\$2,917,000
	2009	2,302,200	Doz.	\$1.46	\$3,361,000
Manure	2010	1,323,350	Ton	\$6.83	\$9,038,000
	2009	1,252,869	Ton	\$3.87	\$4,368,000
Milk, Market	2010	41,587,564	Cwt.	\$13.20	\$548,956,000
	2009	36,242,595	Cwt.	\$11.20	\$405,917,000
Milk, Mfg.	2010	262,423	Cwt.	\$14.39	\$3,776,000
	2009	297,981	Cwt.	\$11.94	\$3,558,000
Milk, Goats	2010	83,708	Cwt.	\$39.06	\$3,270,000
	2009	36,157	Cwt.	\$39.63	\$1,433,000
Milk Total	2010	41,933,695	Cwt.		\$556,002,000
	2009	36,576,733	Cwt.		\$410,908,000
Wool a/	2010	77,976	lb.	\$1.19	\$92,800
	2009	74,304	lb.	\$.60	\$44,600
TOTAL	2010				\$568,050,000
	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
TOTAL	2010				\$6,548,000
	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)

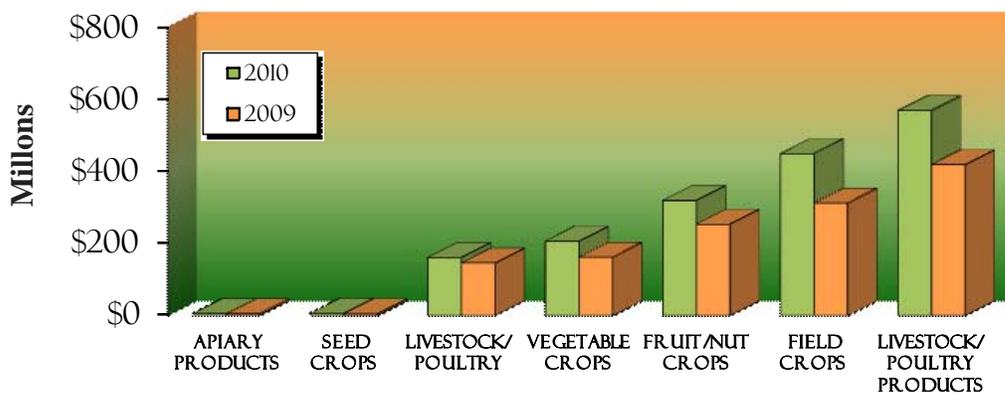
Kings County produces 9.1% of all milk and cream in the state, making it the state's 5th largest producing county. (2009)

5 YEAR COMPARISON OF ACREAGE & CROP VALUES

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

Crop	2010 Rank	Dollar Value	2009 Rank	2008 Rank	1960 Rank
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
Total		\$1,398,964,000			

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

Crop	Rank	Dollar Value
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
Total		\$92,804,000

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

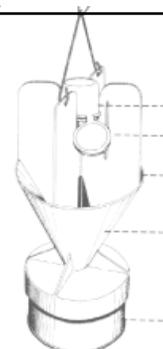
Pest	Number of Traps	Number of Servicings	Type of Trap
All Purpose Fruit Fly	116	972	Champ
Asian Citrus Psyllid	363	1896	Yellow Panel
European Corn Borer	13	123	Pherocon II
European Grape Vine Moth	302	2877	Delta Trap
European Pine Shoot Moth	5	15	Pherocon II
Glassy Wing Sharpshooter	109	1059	Yellow 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
Total	1,961	15,703	



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

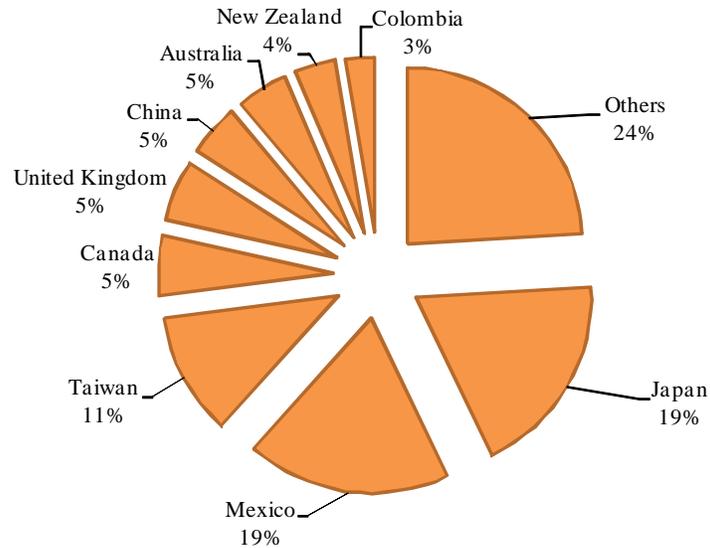
Argentina	Indonesia	Panama
Australia	Israel	Peru
Brazil	Italy	Philippines
Cambodia	Japan	Portugal
Canada	Jordan	Russian Federation
China	Korea, Republic of	Saudi Arabia
Colombia	Kuwait	South Africa
Costa Rica	Lebanon	Spain
Ecuador	Luxembourg	Taiwan
El Salvador	Malaysia	Thailand
France	Mexico	Turkey
Germany	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>

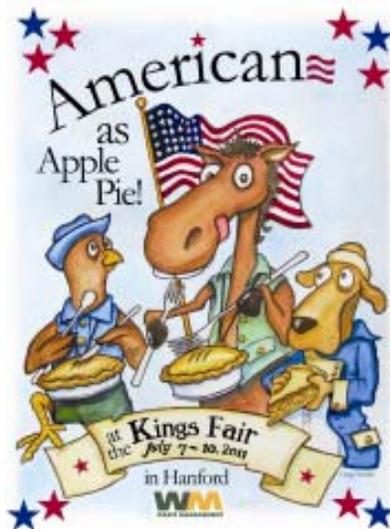
**To Learn More About The Kings County Department of Agriculture,
Visit Our Web Site At: www.countyofkings.com**

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
Kings	11	\$1,320,263,000	890,545	Milk	\$410,908,000	165,000

* 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

County Seat	Hanford
County Population (2010)	152,982
Population per Square Mile	110
Total Assessed Value (2010)	\$8,599,525,681
Land Area (Square Miles)	1,391
Total Acres	890,545*
Total Harvested Crop Acreage (2009)	803,344
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 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							
AVERAGE	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