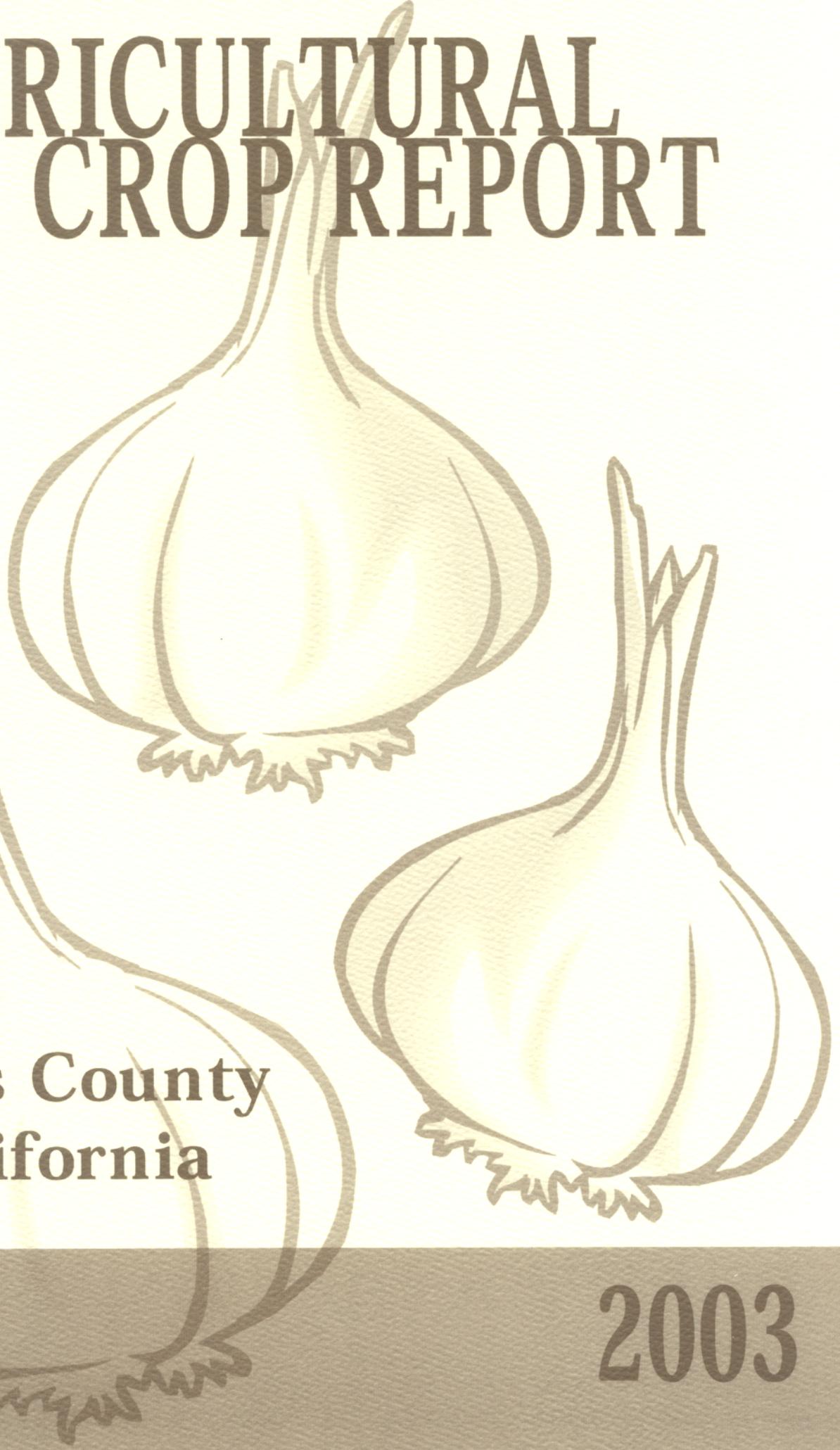


AGRICULTURAL CROP REPORT



**Kings County
California**

2003

GARLIC

The story of garlic is as distinct as its unique aroma and flavor. Its varied use is well documented. The origin of garlic is believed to be in the Kirgiz desert region of Siberia. The San Joaquin Valley with its similar climate to the Kirgiz desert region allows it to grow 85% of the nation's garlic. Garlic is botanically a member of the lily family and the portion consumed is the bulb, which is generally comprised of 8-12 cloves. When prepared properly the cloves yield garlic's medicinal qualities.

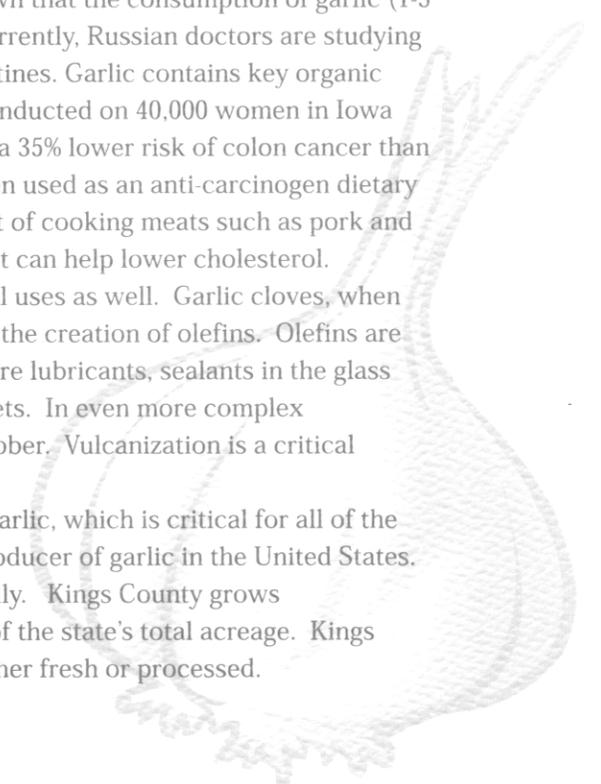
Egyptian medical recommendations from 1550 B.C. included garlic in the remedies for 22 different ailments. While Roman nobility turned up their noses at garlic, Roman soldiers believed it would bring them the qualities of strength and heroism, since it was believed to be the herb of Mars (the Roman god of war). The Bible notes garlic as one of the many food items missed by the children of Israel as they fled from Egypt.

The lore of garlic most often associated with its pungent aroma is its spiritual and medicinal uses. According to European folklore hanging garlic by windows and in doorways would prevent the "evil eye" and offer protection from vampires and witches. Superstitions associated with garlic range from preventing the Black Plague of the Dark Ages, to taking garlic on long trips over water to prevent drowning. Perhaps, that is why the great explorer Marco Polo and the Vikings of long ago all brought along garlic for journeys over seas. Dreaming of garlic is said to bring good fortune while dreaming of giving it away is considered bad luck. As recently as 1917 Americans wore garlands of garlic around their necks in public to prevent the flu. Bullfighters wear a clove of garlic around their neck during a bullfight to prevent being gored. Former First Lady, Eleanor Roosevelt is noted for consuming chocolate covered garlic pills at the direction of her doctor, to improve her memory.

The consumption of garlic offers many known health benefits. Louis Pasteur, in 1858, documented that garlic kills bacteria. The bulb produces allicin, an antibiotic that hinders or kills staph and salmonella bacteria. Soldiers in both World Wars used garlic as an antiseptic to treat open wounds to prevent gangrene. During times of war when sulfa drugs were scarce, garlic was a replacement for modern penicillin. Early studies have shown that the consumption of garlic (1-3 cloves a day) increases cancer fighting white blood cells. Currently, Russian doctors are studying its affects on cancer, especially of the stomach and the intestines. Garlic contains key organic sulfides that are antibiotics and anti-carcinogens. A study conducted on 40,000 women in Iowa indicated that those who ate garlic at least once a week had a 35% lower risk of colon cancer than women whose diet did not include it. Garlic has recently been used as an anti-carcinogen dietary supplement that fights nitrosamines, a carcinogen byproduct of cooking meats such as pork and beef. Garlic also contains ajoene, a natural blood thinner that can help lower cholesterol.

With all of its amazing versatility garlic has industrial uses as well. Garlic cloves, when distilled with water, isolates a by-product that is essential in the creation of olefins. Olefins are the complex molecules used to manufacture extreme pressure lubricants, sealants in the glass insulation industry and binders in solid propellants for rockets. In even more complex compositions, the olefins are used in the vulcanization of rubber. Vulcanization is a critical process for making rubber more durable.

Last but not least, there is the agricultural value of garlic, which is critical for all of the other uses to occur. California is the largest and primary producer of garlic in the United States. California produces over 500 million pounds of garlic annually. Kings County grows approximately 4, 025 acres of garlic, which comprises 5.8% of the state's total acreage. Kings County's garlic is generally used for human consumption either fresh or processed.





Department of Agriculture / Weights and Measures

TIMOTHY L. NISWANDER

Agricultural Commissioner
Sealer of Weights and Measures

Secretary A. G. Kawamura
California Department of Food and Agriculture
And
The Honorable Board of Supervisors
County of Kings, California

April 20, 2004

It is my privilege to submit, to you, the 2003 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 2003 in Kings County is \$1,136,966,000. This represents an increase of \$113,661,000 (10%) from the 2002 value.

Livestock and Poultry received the highest gain of \$59,016,000 (36.2%) attributed to increased inventory and higher market prices; increased acreage and specific commodity prices lead to a \$41,080,000 (24%) increase to Vegetable Crops; Livestock and Poultry Products increased by \$22,141,000 (6.7%) from production coupled with raised per unit prices; and Fruit and Nut Crops experienced an increase of \$6,645,000 (4.4%) from favorable market conditions with most commodities in this category.

Seed Crops declined most significantly by \$3,063,600 (-118.7%) caused primarily from reduced acreage in category; and Field Crops decreased \$13,182,000 (-4.2%) due to a drop in yield with traditional cotton varieties and declining hay prices.

The county's leading commodity, Milk, increased in value by \$21,905,000 (7.2%) due to volume and price increases of 3% and 4% respectively.

This report is produced from the hard work of Joan Vernon, Ag & Standards Inspector III, Timmie Bressler and Roberta Spomer, Ag & Standards Aides, and Ruben Arroyo, Deputy Ag Commissioner/Sealer. My thanks and appreciation are extended to the many producers and organizations who contributed information for this report.

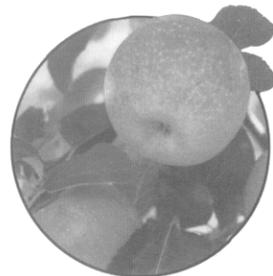
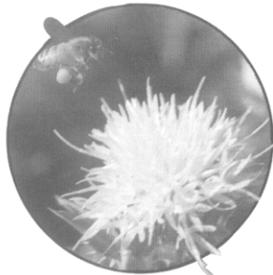
Respectfully yours,

Timothy L. Niswander

680 N. Campus Drive, Suite B / Hanford, California 93230 / (559) 582-3211, Ext. 2831
FAX (559) 582-5251 / e-mail: agstaff@co.kings.ca.us / web site: countyofkings.com



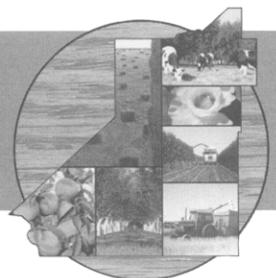
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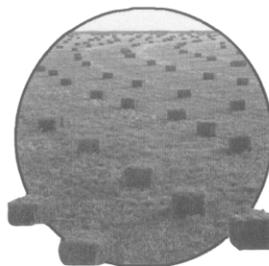
Visit our Website @<http://www.countyofkings.com>

COUNTY ADMINISTRATION AG COMMISSIONER-SEALER PERSONNEL



Kings County Board of Supervisors

Joe A. Neves District I Jon N. Rachford District II
 Tony T. Oliveria District III Tony Barba District IV
 Alene L. Taylor District V

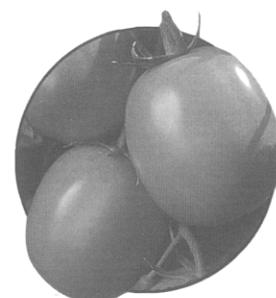


County Administrative Officer

Larry Spikes

Agricultural Commissioner/Sealer of Weights and Measures

Tim Niswander



Deputy Agricultural Commissioners/Sealers

Ruben J. Arroyo Steve Schweizer Les Wright

Agricultural and Standards Inspectors

Joe Avila	Ron Evans	Michael Leoni
Tom Chambers	Vince Evans	Stevie McNeill
Bill DeRaad	Mario Gutierrez	Robert Torrez
Jim Dodd	Monty Hopper	Joan Vernon
	Rusty Lanstberger	



Agricultural Computer Systems Coordinator

Lynda Schrumpf

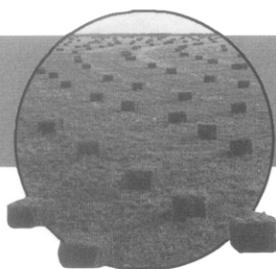
Agricultural and Standards Aides

Timmie Bressler Roberta Spomer



Clerical

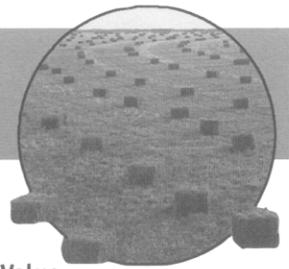
Janet Eckles	Diane O'Daniel	
	Lynda Gabbard	Linda Lavars



FIELD CROPS

Crop Name	Year	Harvested Acreage	Production Per Acre	Total	Unit	Value Per Unit	Total
Barley a/	2003				TON		
	2002	611	1.9	1161	TON	\$98.00	\$114,000
Beans Dry a/ b/	2003				TON		
	2002	6501	0.93	6046	TON	\$400.00	\$2,418,000
Corn Silage	2003	50,298	24.63	1,238,840	TON	\$21.36	\$26,462,000
	2002	47,487	23.04	1,094,100	TON	\$21.67	\$23,709,000
Cotton Acala-Lint c/	2003	89,314	2.58	230,430	495 lbs.	\$378.28	\$87,167,000
	2002	84,513	3.00	253,539	495 lbs.	\$344.43	\$87,326,000
Acala- Seed	2003			95,062	TON	\$195.00	\$18,537,000
	2002			104,594	TON	\$170.00	\$17,781,000
Cotton Upland Non-App	2003	11,906	2.42	28,813	TON	\$377.85	\$10,887,000
	2002	13,497	2.93	39,546	495 lbs.	\$336.60	\$13,311,000
Cotton Upland Non-App Seed	2003			11,909	TON	\$195.00	\$2,322,000
	2002			16,298	TON	\$170.00	\$2,771,000
Cotton Pima- Lint	2003	56,333	1.95	109,849	TON	\$603.43	\$66,286,000
	2002	66,069	2.52	166,494	495 lbs.	\$430.65	\$71,701,000
Pima- Seed	2003			45,409	TON	\$190.00	\$8,628,000
	2002			68,674	TON	\$134.00	\$9,202,000
Cotton Pima Non-App	2003	4,537	2.02	9,165	495 lbs.	\$602.72	\$5,524,000
	2002	2,691	2.50	6,728	495 lbs.	\$429.43	\$2,889,000
Cotton Pima Non-App Seed	2003			3,790	TON	\$190.00	\$720,000
	2002			2,775	TON	\$134.00	\$372,000
Hay Alfalfa	2003	76,760	6.36	488,194	TON	\$93.83	\$45,807,000
	2002	73,564	6.33	465,660	TON	\$107.77	\$50,186,000
Hay Others d/	2003	3,962	3.63	14,382	TON	\$83.05	\$1,194,000
	2002	2,812	3.67	10,317	TON	\$86.85	\$896,000
Pasture Irrigated	2003	11,000				\$135.00	\$1,485,000
	2002	11,000				\$135.00	\$1,485,000
Pasture Range	2003	189,237				\$8.00	\$1,514,000
	2002	189,237				\$5.00	\$946,000
Alfalfa Stubble	2003	38,380				\$20.00	\$768,000
	2002	36,782				\$16.50	\$607,000

FIELD CROPS



Crop Name	Year	Harvested Acreage	Production Per Acre	Total	Unit	Value Per Unit	Total
Sugar Beets	2003	2,667	29.20	77,876	TON	\$35.00	\$2,726,000
	2002	2,725	31.27	85,211	TON	\$34.38	\$2,930,000
Wheat Grain	2003	100,931	1.81	182,685	TON	\$123.30	\$22,525,000
	2002	85,622	2.76	236,317	TON	\$122.88	\$29,039,000
Wheat Silage e/	2003	20,788	13.81	287,082	TON	\$18.61	\$5,343,000
	2002				TON		
Other f/	2003	66,310					\$5,664,000
	2002	64,783					\$9,058,000
TOTAL	2003	722,423					\$313,559,000
	2002	687,894					\$326,741,000

a/ 2003 figures included in Misc. Field Crops

b/ all Dry Beans

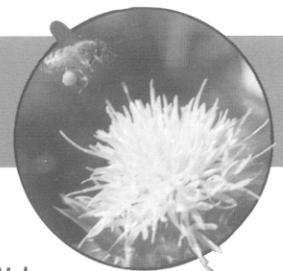
c/ 495 lbs. = 1 bale

d/ includes hay and green chop from Sudan and Oats

e/ 2002 figure included in Misc. Field Crops

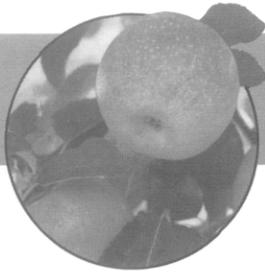
f/ Barley Grain, Dry Beans, Corn Grain, Forage, Safflower, Screenings, Sorghum Silage, & Wheat Straw

SEED CROPS



Crop Name	Year	Harvested Acreage	Total	Unit	Value Per Unit	Total
Cotton Cert.	2003	1,310	1,499	TON	\$300.00	\$450,000
	2002	3,691	9,078	TON	\$359.00	\$3,260,000
Others a/	2003	3,903				\$2,131,000
	2002	2,881				\$2,357,000
TOTAL	2003	5,213				\$2,581,000
	2002	6,572				\$5,617,000

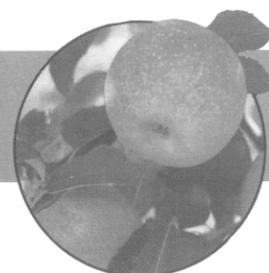
a/ Alfalfa Certified, Alfalfa Non-Certified, Asparagus, Barley Certified, Chili Pepper, Lettuce, Onion, Wheat Certified



FRUIT & NUT CROPS

Crop	Year	Harvested Acreage	Production Per Acre	Total	Unit	Value Per Unit	Total
Almonds	2003	9,365	0.68	6,368	TON	\$2,549.00	\$16,232,000
	2002	7,676	0.83	6,344	TON	\$2,001.56	\$12,698,000
Almond Hulls	2003			6,761	TON	\$81.00	\$548,000
	2002			5,542	TON	\$79.00	\$438,000
Apples Fresh a	2003						
	2002			2,191	TON	\$487.00	\$1,067,000
Apples Processed	2003						
	2002			876	TON	\$20.00	\$18,000
Apples Total	2003						
	2002	255					\$1,085,000
Apricots Fresh	2003	729	7.00	5,103	TON	\$998.00	\$5,093,000
	2002	304	5.22	1,587	TON	\$1,090.80	\$1,731,000
Firewood	2003			1,600	CORD	\$115.00	\$184,000
	2002			1,520	CORD	\$132.00	\$201,000
Grapes							
Raisin Varieties							
2003							
Fresh, Table				401	TON	\$978.00	\$392,000
Dried				4,285	TON	\$584.00	\$2,502,000
Crushed				2,006	TON	\$95.00	\$191,000
Canned				223	TON	\$250.00	\$56,000
Total				6,915			\$3,141,000
Grapes							
Raisin Varieties							
2002							
Fresh, Table				1,687	TON	\$959.00	\$1,618,000
Dried				1,416	TON	\$433.00	\$613,000
Crushed				2,308	TON	\$73.00	\$168,000
Canned				290	TON	\$223.10	\$65,000
Total				1,309			\$2,464,000
Grapes							
Table Varieties							
Crushed	2003	512	12.97	6,641	TON	\$95.00	\$631,000
	2002	377	9.60	3,619	TON	\$80.89	\$293,000

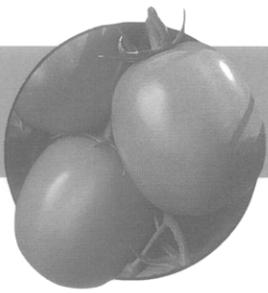
FRUIT & NUT CROPS



Crop	Year	Harvested Acreage	Production Per Acre	Total	Unit	Value Per Unit	Total
Fresh	2003	300	6.22	1866	TON	\$905.65	\$1,690,000
	2002	408	8.34	3,403	TON	\$906.95	\$3,086,000
Wine Varieties Total	2003	2,182	9.48	20,685	TON	\$204.87	\$4,238,000
	2002	2,622	8.42	22,077	TON	\$183.82	\$4,058,000
Grapes Total	2003	9,009					\$9,700,000
	2002	4,716					\$9,901,000
Nectarines	2003	2,397	6.56	15,724	TON	\$721.02	\$11,337,000
	2002	2,209	8.13	17,959	TON	\$680.20	\$12,216,000
Peaches Clingstone	2003	1,223	19.97	24,423	TON	\$230.71	\$5,635,000
	2002	1,181	12.85	15,176	TON	\$238.07	\$3,613,000
Peaches Freestone	2003	2,573	8.09	20,816	TON	\$791.99	\$16,486,000
	2002	2,569	11.46	29,441	TON	\$789.21	\$23,235,000
Peaches Total	2003	3,796					\$22,121,000
	2002	3,750					\$26,848,000
Pistachios	2003	8,600	1.74	14,964	TON	\$2,522.29	\$37,744,000
	2002	8,600	1.86	15,996	TON	\$2,015.29	\$32,237,000
Plums	2003	1,752	7.37	12,912	TON	\$732.40	\$9,457,000
	2002	1,749	8.41	14,709	TON	\$905.35	\$13,317,000
Pomegranates a/	2003				TON		
	2002	2,307	3.00	6,921	TON	\$1,723.50	\$11,928,000
Walnuts	2003	9,368	1.89	17,706	TON	\$1,125.03	\$19,920,000
	2002	9,893	1.30	12,861	TON	\$1,109.72	\$14,272,000
Others b/	2003	3,735					\$19,933,000
	2002	1,511					\$8,753,000
TOTAL	2003	44,094					\$152,269,000
	2002	42,970					\$145,625,000

a/ included in Misc. 2003

b/ Includes apples, apples proc., asian pears, cherries, jojobas, kiwifruit, olives, oranges, pecans, persimmons, pluots, pomegranates, quince, and strawberries



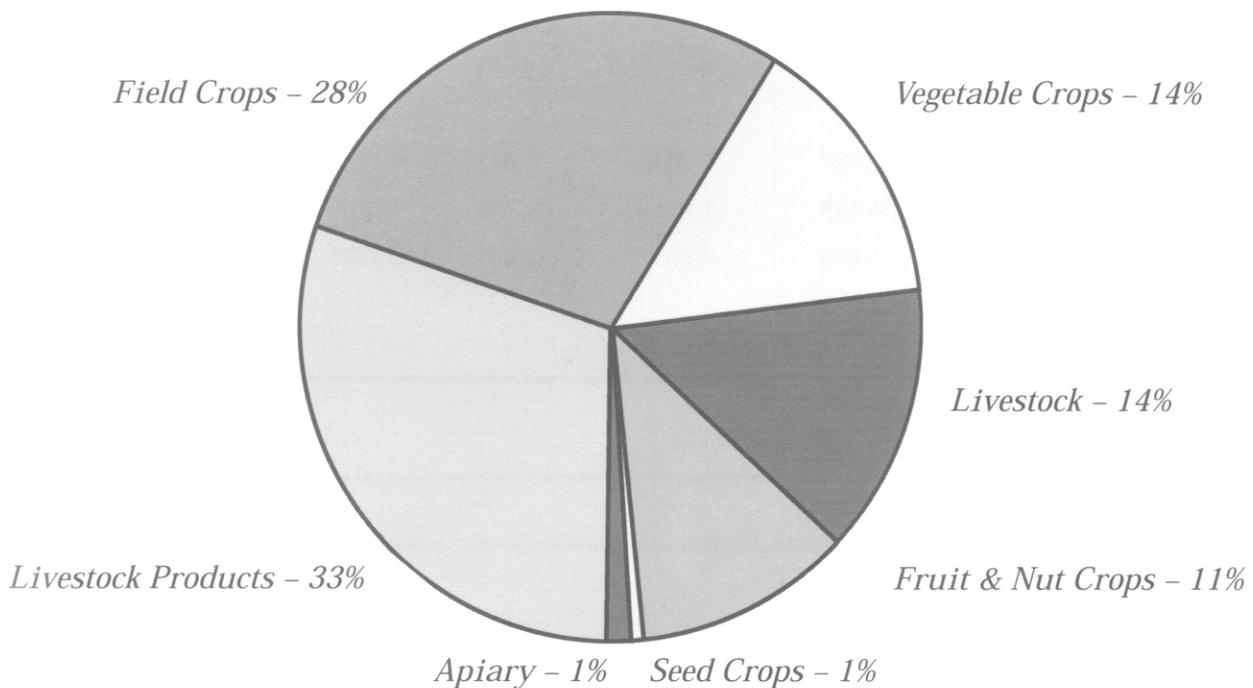
VEGETABLE CROPS

Crop	Year	Harvested Acreage	Production Per Acre	Total	Unit	Value Per Unit	Total
Cantaloupes	2003	687	23.79	16,344	TON	\$217.70	\$3,558,000
	2002	370	18.79	6,952	TON	\$276.40	\$1,922,000
Tomatoes Fresh a/	2003				TON		
	2002	784	31.31	24,547	TON	\$124.39	\$3,053,000
Tomatoes Processed	2003	19,131	27.71	530,120	TON	\$49.98	\$26,495,000
	2002	16,108	32.33	520,772	TON	\$49.91	\$25,992,000
Tomatoes Total	2003	19,131					\$26,495,000
	2002	16,892					\$29,045,000
Other b/	2003	11,369					\$140,868,000
	2002	7,067					\$98,874,000
TOTAL	2003	31,187					\$170,921,000
	2002	24,329					\$129,841,000

a/ 2003 figure in Other

b/ Asparagus, Broccoli, Carrots, Cauliflower, Cucumber, Fresh Garlic, Fresh Tomatoes Misc. Melons, Peppers, Processed Garlic, Processed Onions, Romaine Lettuce, Snap Beans, Squash, Sweet Corn, Watermelons and Zucchini

2003 Percent of Total Value



“Don’t judge each day by the harvest you reap but by the seeds that you plant.”

–Robert Louis Stephenson

INVENTORIES OF LIVESTOCK & POULTRY



Item	January 1, 2003 Number of Head	January 1, 2002 Number of Head
Cattle and Calves		
All	268,000	210,000
Dairy Cows 2 Years and Over	147,000	140,000
Cattle and Calves on Feed	5,000	3,000
Other	144,000	136,000
Sheep and Lambs		
Goats	3,100	2,000
Hogs and Pigs	3,600	3,500
Turkeys	473,686	554,102

LIVESTOCK & POULTRY



Item	Year	Production		Unit	Value Per Unit	Total
		Number Of Head	Total Liveweight			
Breeding Stock a/	2003					\$1,495,000
	2002					\$1,430,000
Cattle and Calves	2003	184,401	1,181,169	Cwt.	\$87.78	\$103,683,000
	2002	158,832	966,928	Cwt.	\$68.82	\$66,544,000
Sheep and Lambs	2003	10,450	11,195	Cwt.	\$104.41	\$1,169,000
	2002	10,713	12,430	Cwt.	\$75.32	\$936,000
Turkeys	2003	1,894,744	38,122,249	lb.	\$0.79	\$30,117,000
	2002	2,216,409	47,697,122	lb.	\$0.70	\$33,388,000
Others b/	2003					\$26,753,000
	2002					\$1,903,000
TOTAL	2003					\$163,217,000
	2002					\$104,201,000

a/ For all animals except horses

b/ Includes catfish, chickens, goats, hogs and pigs

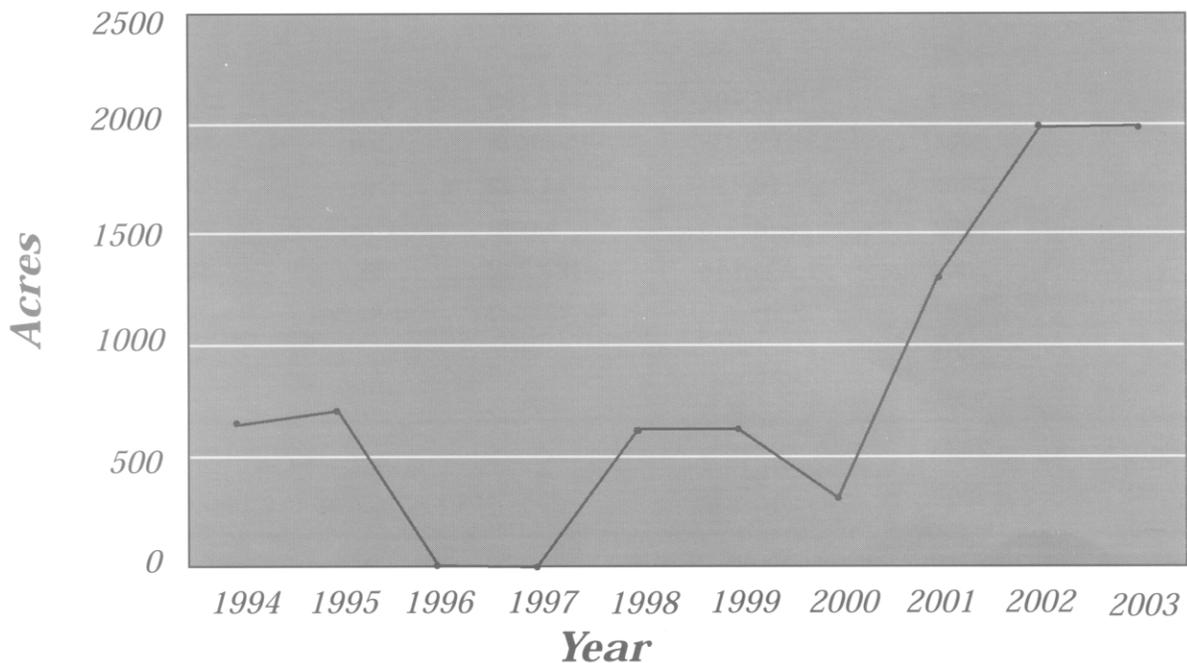


LIVESTOCK & POULTRY PRODUCTS

Item	Year	Total Production	Unit	Value Per Unit	Total
Eggs- Chicken Market	2003	3,124,700	Doz.	\$0.88	\$2,750,000
	2002	3,191,760	Doz.	\$0.68	\$2,170,000
Manure	2003	524,871	Ton	\$6.00	\$3,149,000
	2002	502,321	Ton	\$7.00	\$3,516,000
Milk Market	2003	29,062,421	Cwt.	\$11.15	\$324,046,000
	2002	28,195,342	Cwt.	\$10.73	\$302,536,000
Milk Mfg.	2003	69,037	Cwt.	\$11.82	\$816,000
	2002	49,665	Cwt.	\$10.18	\$506,000
Milk- Goats	2003	17,253	Cwt.	\$31.85	\$550,000
	2002	14,706	Cwt.	\$31.62	\$465,000
Milk Total	2003				\$325,412,000
	2002				\$303,507,000
Wool*	2003	88,825	lb.	\$0.92	\$82,000
	2002	91,061	lb.	\$0.65	\$59,000
TOTAL	2003				\$331,393,000
	2002				\$309,252,000

* Price does not include wool incentive.

10 Years of Fresh Garlic Acres



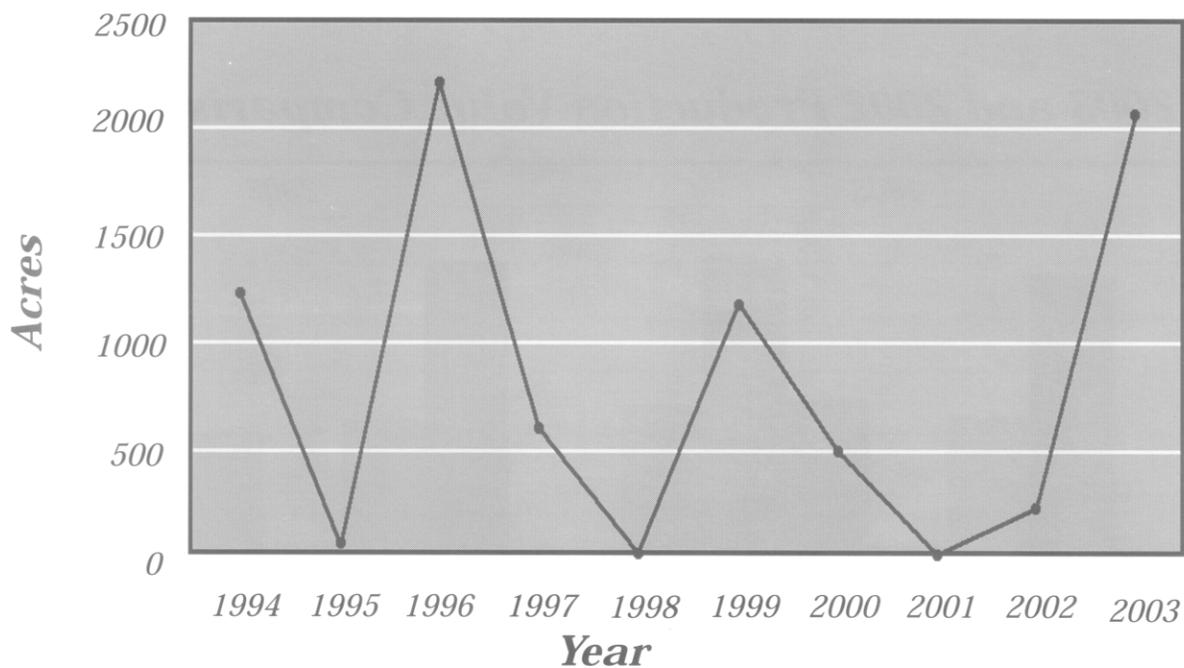
APIARY PRODUCTS

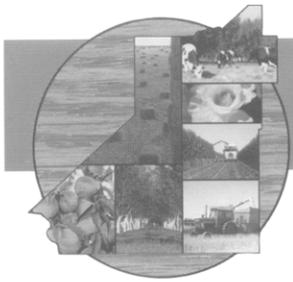


Item	Year	Total Production	Unit	Per Unit	Total
Honey	2003	1,305,992	lb.	\$1.35	\$1,763,000
	2002	1,225,928	lb.	\$1.20	\$1,471,000
Beeswax	2003	21,767	lb.	\$1.05	\$23,000
	2002	20,432	lb.	\$1.05	\$21,000
Seed Alfalfa	2003	941	Colonies	\$35.00	\$33,000
	2002	1,992	Colonies	\$30.00	\$60,000
Tree Fruit a/	2003	24,574	Colonies	\$47.25	\$1,161,000
	2002	21,050	Colonies	\$45.33	\$954,000
Melons	2003	1,980	Colonies	\$20.00	\$40,000
	2002	1,230	Colonies	\$16.00	\$20,000
Vegetable Seed	2003	281	Colonies	\$20.00	\$6,000
	2002	234	Colonies	\$20.00	\$5,000
TOTAL	2003				\$3,026,000
	2002				\$2,531,000

a/ almonds, apples, cherries, kiwi, and plums

10 Years of Processed Garlic Acres



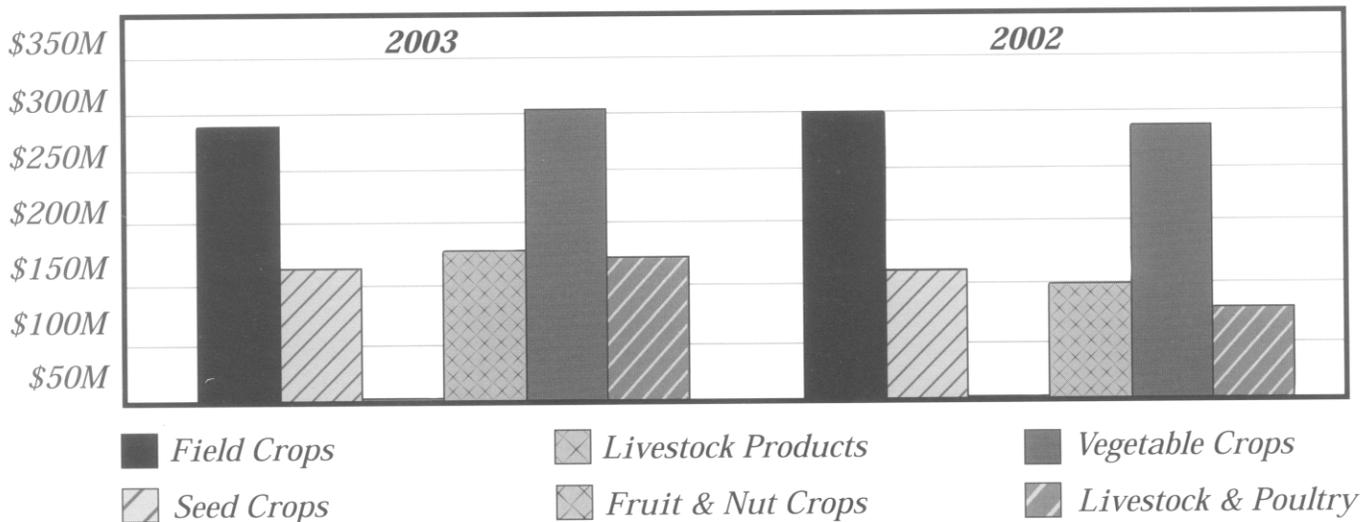


5 YEAR COMPARISON OF ACREAGE & CROP VALUES

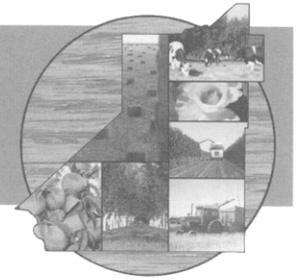
	2003	2002	2001	2000	1999
Apiary Products	\$3,026,000	\$2,531,000	\$2,004,000	\$2,647,000	\$4,859,000
Field Crops	\$313,559,000	326,741,000	\$308,302,000	* \$336,361,000	\$310,534,000
Acreage	722,423	687,894	594,379	641,117	609,360
Fruit and Nut Crops	\$152,269,000	\$145,624,000	\$89,563,000	* \$80,223,000	\$85,412,000
Acreage	44,094	42,970	34,976	30,634	29,758
Livestock and Poultry	\$163,217,000	\$104,201,000	\$115,369,000	\$106,229,000	\$114,247,000
Livestock and Poultry Products	\$331,393,000 *	\$309,252,000	\$367,657,000	\$298,609,000	\$322,759,000
Seed Crops	\$2,581,000	\$5,617,000	\$5,389,000	\$18,412,000	\$30,115,000
Acreage	5,213	6,572	5,842	24,608	28,001
Vegetable Crops	\$170,921,000	\$129,841,000	\$63,666,000	\$43,998,000	\$33,688,000
Acreage	31,187 *	24,296	19,935	15,376	11,125
TOTAL	\$1,136,966,000	\$714,555,000	\$951,950,000	\$886,479,000	\$901,614,000

* Revised

2003 and 2002 Production Value Comparisons

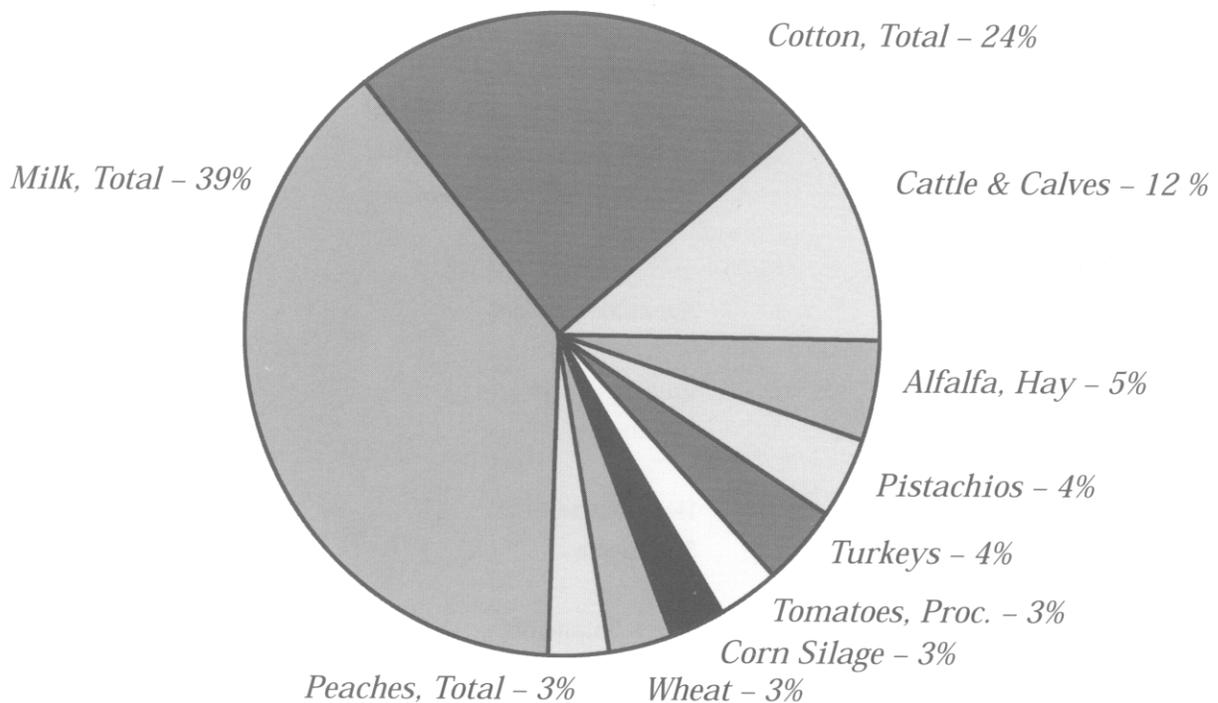


KINGS COUNTY'S TEN LEADING COMMODITIES



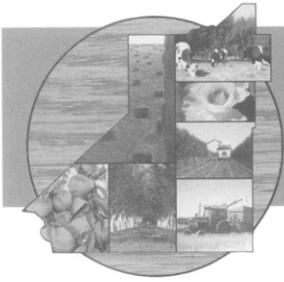
Crop	Rank	2003 Dollar Value	2002 Rank	2001 Rank
Milk, Total	1	\$325,412,000	1	1
Cotton, Total	2	\$200,071,000	2	2
Cattle and Calves	3	\$103,683,000	3	3
Alfalfa, Hay	4	\$45,807,000	4	4
Pistachios	5	\$37,744,000	6	8
Turkeys	6	\$30,117,000	5	5
Tomatoes, Proc.	7	\$26,495,000	7	7
Corn Silage	8	\$26,460,000	10	9
Wheat	9	\$22,525,000	8	6
Peaches, Total	10	\$22,121,000	9	10

Top 10 Commodities



"The true meaning of life is to plant trees, under whose shade you do not expect to sit."

-Nelson Henderson



KINGS COUNTY SUSTAINABLE AGRICULTURAL REPORT

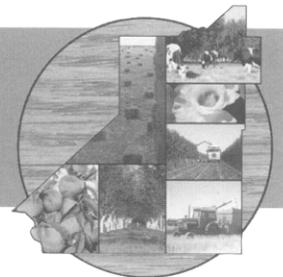
County Biological Control

Pest	Agent/ Mechanism	Scope of Program
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lyoriformis</u>	Generally Distributed
	Seed Head Weevil <u>Microlarinus lareynii</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orietalis</u>	2 Sites
	Gall Fly <u>Urophora sinunaseva</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>Eretmoceris sp. (M95104)</u>	6 Sites
	<u>Eretmoceris sp. (M95012)</u>	6 Sites
	<u>Eretmoceris mundus</u>	6 Sites

County Pest Exclusion

Pest	Agent/Mechanism	Scope of Program
European Corn Borer <u>Ostrinia nubilalis</u>	Railroad Corn Shipments	80 Inspections
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	224 Inspections
Various Pests	Truck Shipments	14,202 Inspections
Crops	Activity	Scope of Program
Export Commodities	Origin Certification	1,259 Issued
Export Seed	Field Inspections	45 Sites / 2,193 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	162,090 Acres
Alligator Weed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	10 Sites Treated

County Pest Detection

Pest	Number of Traps	Type of Traps
Mediterranean Fruit Fly	276	Jackson Traps
Mexican Fruit Fly	151	McPhail Traps
Oriental Fruit Fly	60	Jackson Traps
Melon Fly	60	Jackson Traps
Gypsy Moth	83	Delta Traps
Japanese Beetle	80	Japanese Beetle Traps
European Corn Borer	15	Pherecon 1c Traps
European Pine Shoot Moth	6	Pherecon II Traps
Khapra Beetle	240	Trogo Traps
Apple Maggot	24	Adult Monitoring Traps
Glassy-Winged Sharpshooter	30	Adult Monitoring Traps
Total	1025	





EXPORT COMMODITIES

Commodities Exported From Kings County

Alfalfa Seed
Almonds
Asparagus Seed
Broccoli Seed
Calcium Salts
Cherries
Cotton Lint



Cotton Seed
Cotton Seed Meal
Garlic
Garlic Seed
Grapes
Kiwifruit
Lettuce

Peaches
Pistachios
Plums
Safflower Seed
Tomato Powder
Tomato Seed
Wheat Seed
Nectarines
Onions

Export Trade Partners of Kings County

Argentina
Australia
Austria
Belgium
Brazil
Canada
China
Colombia
Costa Rica
Ecuador
El Salvador
France
Germany



Greece
Guatemala
Honduras
Hong Kong
India
Italy
Japan
Korea
Luxembourg
Malaysia
Mexico
Netherlands

New Caledonia
New Zealand
Panama
Peru
Philippines
Russian Federation
Saipan
Saudi Arabia
Spain
Switzerland
Taiwan
United Arab Emirates
United Kingdom

“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

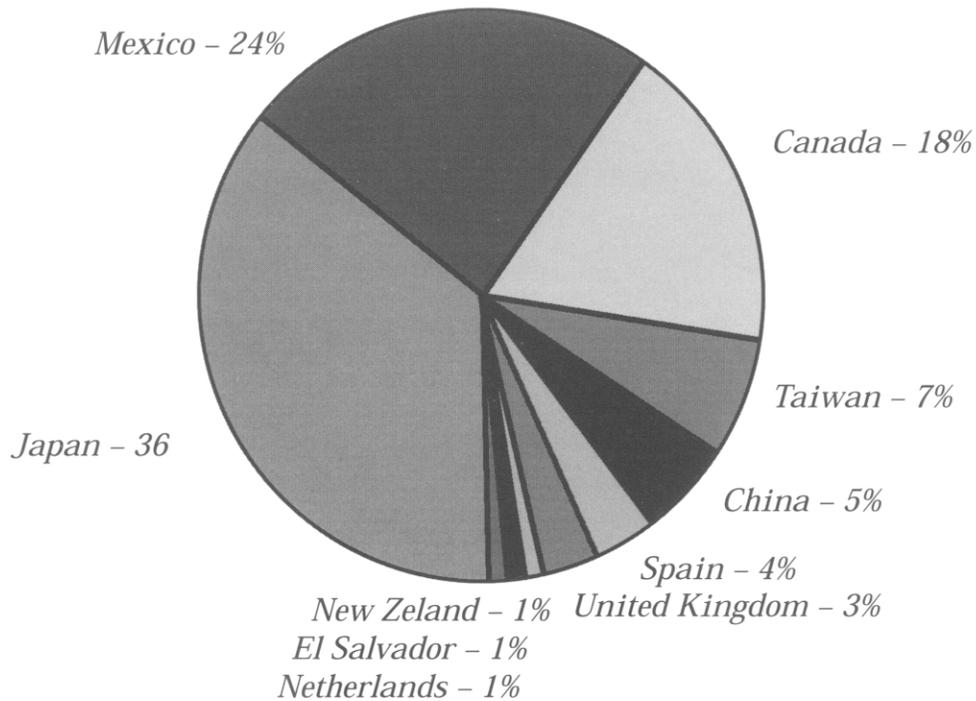
KINGS COUNTY TRADE PARTNERS

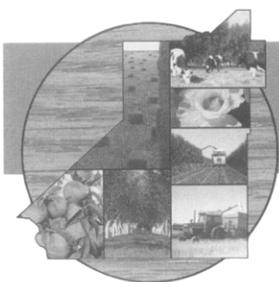


Export Trade Partners



Top Ten Export Partners of Kings County 2003





AGRICULTURAL QUICK FACTS

- 84% of the land area in Kings County is farmland.
- The average age of California producers in 2002 was 56.8 compared to the national average of 55.3 years old.
- In 2002, 29.6 percent of agricultural producers were women.
- If California were a country, it would be the 6th leading agricultural exporter in the world, outpacing China, Canada, Brazil and Australia.
- The average size of farms increased from 327 acres in 1997 to 347 acres in 2002.
- The most prolific milk producing cow the world has ever known, No. 289, lived in Kings County for 19 years and gave 54,070 gallons of milk - enough to fill more than eight 60-foot tanker trucks.

Certified Farmer's Market

Thursday Night Market Place
 109 W. 7th Street
 Hanford, CA 93230
 Thursday's 5:30 P.M. to 8:30 P.M.
 May thru October - Irwin Street

Almonds	Fresh Cut Flowers	Peppers
Apples	Garlic	Persimmons
Apricots	Grapefruit	Pistachios
Asian Pears	Grapes	Plums
Aparagus	Gourds	Pluots
Bell Peppers	Herbs	Prunes
Blackberries	Honey	Pomegranates
Broccoli	Kiwifruit	Pommelos
Beans	Mandarin	Potatoes
Cabbage	Mixed Melons	Pumpkins
Cactus	Nectarines	Quince
Cantaloupes	Okra	Radishes
Cherries	Olives	Raisins
Cherry Tomatoes	Onions	Squash
Cheese	Oranges	Strawberries
Chili Peppers	Lemons	Sweet Corn
Cucumbers	Lettuce	Tangerines
Eggplant	Limes	Tomatoes
Eggs	Peaches	Tomato Plants
Fennel	Peanuts	Walnuts
Figs	Pears	Watermelon
	Pecans	

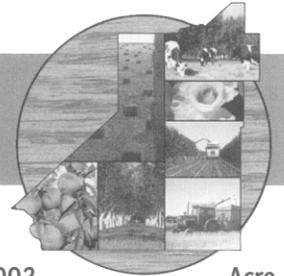
LAND USE



Surrounding Counties	2002 Rank	2002 Gross Value*	Total County Area Acres	Top Commodity	2002 Value	Acres or Number of Head
Fresno	1	3,415,591	4,080,000	Grapes	400,255,000	227,636
Tulare	2	3,200,552	3,110,400	Milk	961,806,000	562,000
Monterey	3	2,812,069	2,127,359	Lettuce	429,360,000	119,624
Kern	4	2,586,247	5,166,720	Grapes	414,554,000	85,257
Kings	12	1,023,807	890,545	Milk	303,507,000	140,000

* Gross Value does not include timber.

KINGS COUNTY LAND USE SUMMARY



Land Use Category	2000		2002		Acre Change
	Acres	Percent	Acres	Percent	
Prime Farmland	141,213	16	140,876	16	-338
Farmland of Statewide Importance	430,760	48	431,338	48	578
Unique Farmland	28,450	3	28,313	3	-137
Farmland of Local Importance	6,851	1	7,565	1	714
Grazing Land	238,485	27	236,583	27	1902
Urban and Built-Up Land	28,938	3	29,795	3	857
Other Land	16,018	2	16,245	2	227
Water Area	66	0	66	0	0
Total Acres	890,781		890,781		

From the California Department of Conservation



KINGS COUNTY GENERAL INFORMATION

County Seat	Hanford
County Population (2003)	136,108
Population per Square Mile	97.85
Total Assessed Value (2003)	\$5,294,208,227
Land Area (Square Miles)	1,391
Total Acres	890,545
Total Harvested Acres (2001)	655,132
Foreign Ownership (2001)	4009 (Acres)
Total Farmland (Acres - 2001)	749,100
Public Ownership of Land (Acres - 2000)	
Federal	27,313.76
State	4,015.99
County	1,421.61
Local Agencies	3,587.01

Agricultural production ranked 12th (based on 2001 figures) among California counties.

Railroads: Burlington Northern & Santa Fe Railroad and San Joaquin Valley Railroad.

Major Roads: Interstate 5, Highway 41, Highway 43, and Highway 198.

Water Sources: Kings River, Tule River, Kaweah River, and California Aqueduct.

Elevation: The highest point is King Mountain at 3,473 feet above sea level, and the lowest point is the Tulare Lake Basin at 175 feet above sea level.

Average length of growing season: 257 days.

Average date of last spring frost: March 3.

Average climate: 196 sunny clear days, 74 partly cloudy days, and 95 cloudy days.

Average date of first fall frost: November 18.

RAINFALL ~ HANFORD, CA

Year	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	TOTAL
1953-54	0.08	0.00	0.00	0.00	0.02	1.01	0.09	1.89	0.78	2.21	0.52	0.34	6.94
1954-55	0.00	0.00	0.00	0.00	0.00	0.66	1.61	3.25	1.31	0.43	0.69	0.90	8.85
1955-56	0.00	0.00	0.00	0.00	0.02	0.92	4.67	1.10	0.38	0.10	0.73	0.77	8.69
1956-57	0.07	0.00	0.00	0.00	0.73	0.00	0.15	1.39	1.22	0.05	0.88	0.61	5.10
1957-58	0.00	0.00	0.00	0.00	0.20	1.19	1.41	1.85	2.30	3.93	2.38	0.24	13.50
1958-59	0.00	0.00	0.11	0.11	0.00	0.23	0.16	1.35	1.90	0.11	0.52	0.00	4.49
1959-60	0.00	0.00	0.00	0.11	0.00	0.00	0.17	0.80	1.71	0.61	0.57	0.00	3.97
1960-61	0.00	0.02	0.00	0.53	0.00	2.61	0.03	1.34	0.22	0.67	0.22	0.37	6.01
1961-62	0.00	0.00	0.00	0.00	0.00	1.11	1.28	0.71	4.88	1.06	0.00	0.11	9.15
1962-63	0.00	0.00	0.00	0.01	0.10	0.00	0.19	1.19	1.68	1.37	2.88	0.56	7.98
1963-64	0.17	0.00	0.00	0.33	0.75	1.23	0.31	0.61	0.02	0.94	0.64	0.20	5.20
1964-65	0.00	0.00	0.34	0.00	0.95	1.31	1.44	1.18	0.33	0.33	1.57	0.00	7.45
1965-66	0.00	0.00	0.05	0.07	0.05	2.15	1.97	0.63	0.71	0.10	0.00	0.07	5.80
1966-67	0.06	0.04	0.00	0.29	0.09	1.28	2.57	1.41	0.05	2.42	2.95	0.07	11.23
1967-68	0.23	0.00	0.00	0.31	0.00	1.99	0.50	0.62	0.64	1.00	0.50	0.08	5.87
1968-69	0.00	0.00	0.00	0.00	1.33	0.98	1.64	6.69	4.54	0.79	0.85	0.32	17.14
1969-70	0.21	0.07	0.00	0.15	0.05	0.51	0.70	1.60	1.33	1.42	0.14	0.00	6.18
1970-71	0.00	0.00	0.00	0.00	0.00	2.40	1.23	0.35	0.19	0.23	0.40	1.44	6.24
1971-72	0.00	0.00	0.00	0.04	0.06	0.41	1.87	0.04	0.35	0.00	0.23	0.00	3.00
1972-73	0.00	0.00	0.00	0.24	0.21	2.90	0.65	2.44	2.29	2.20	0.12	0.00	11.05
1973-74	0.00	0.00	0.00	0.00	0.76	0.46	0.94	2.97	0.13	1.75	0.03	0.00	7.04
1974-75	0.00	0.00	0.00	0.00	0.65	0.24	1.40	0.09	2.26	1.24	0.49	0.00	6.37
1975-76	0.00	0.00	0.00	0.98	0.76	0.05	0.22	0.00	2.94	0.19	1.47	0.03	6.64
1976-77	0.01	0.00	0.22	1.47	0.00	1.15	0.96	0.96	0.03	0.43	0.00	0.01	5.24
1977-78	0.07	0.00	0.00	0.00	0.05	0.06	2.85	2.22	5.05	4.12	1.71	0.00	16.13
1978-79	0.00	0.00	0.00	1.10	0.00	0.79	0.50	1.84	1.61	1.16	0.03	0.00	7.03
1979-80	0.00	0.04	0.00	0.08	0.41	0.62	0.41	2.90	2.71	1.28	0.05	0.04	8.54
1980-81	0.00	0.00	0.00	0.00	0.09	0.00	0.21	1.80	0.86	2.10	0.68	0.17	5.91
1981-82	0.00	0.00	0.00	0.00	0.76	1.08	0.29	0.84	0.33	3.52	1.75	0.00	8.57
1982-83	0.45	0.18	0.00	0.64	1.03	2.15	0.71	3.74	2.59	3.39	1.63	0.04	16.55
1983-84	0.00	0.00	0.05	0.82	0.43	1.66	1.22	0.01	0.42	0.27	0.18	0.00	5.06
1984-85	0.00	0.00	0.00	0.01	0.52	1.41	1.66	0.59	0.61	0.68	0.12	0.01	5.61
1985-86	0.00	0.05	0.00	0.00	0.54	2.11	0.56	1.46	2.60	3.40	0.45	0.00	11.17
1986-87	0.00	0.00	0.00	0.15	0.00	0.21	0.77	1.77	2.04	2.02	0.06	0.13	7.15
1987-88	0.05	0.00	0.00	0.00	0.86	0.72	1.74	1.37	0.40	0.93	2.65	0.07	8.79
1988-89	0.06	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	0.85	0.02	0.39	7.99
1989-90	0.00	0.00	0.00	0.67	0.32	0.20	0.53	1.79	1.02	0.30	0.97	0.87	6.67
1990-91	0.00	0.00	0.66	0.00	0.01	0.22	0.09	0.37	1.32	6.67	0.19	0.66	10.19
1991-92	0.36	0.00	0.00	0.11	0.38	0.14	1.32	1.40	3.32	0.85	0.10	0.00	7.98
1992-93	0.00	0.01	0.00	0.00	0.58	0.00	2.62	3.88	2.48	2.16	0.07	0.08	11.88
1993-94	0.26	0.00	0.00	0.24	0.24	0.68	0.66	1.45	1.02	0.70	0.69	0.00	5.94
1994-95	0.00	0.00	0.00	1.06	0.35	1.54	0.33	4.70	0.51	4.77	0.65	0.87	14.78
1995-96	0.00	0.00	0.00	0.00	0.00	0.00	1.59	1.79	2.55	2.15	0.89	0.16	9.13
1996-97	0.04	0.00	0.00	0.00	1.65	0.87	3.03	3.02	0.12	0.21	0.00	0.00	8.94
1997-98	0.00	0.00	0.00	0.06	0.09	1.96	1.80	2.00	4.05	2.60	1.68	1.31	15.55
1998-99	0.44	0.00	0.00	0.00	0.68	0.63	0.64	3.01	0.56	0.43	1.37	0.00	7.76
1999-2000	0.00	0.00	0.00	0.00	0.15	0.00	0.00	1.08	3.28	1.59	0.97	0.48	7.55
2000-2001	0.35	0.00	0.00	0.03	1.31	0.00	0.03	1.98	1.48	1.24	1.12	0.00	7.54
2001-2002	0.00	0.09	0.00	0.00	0.18	1.84	1.99	0.87	0.31	1.04	0.03	0.01	6.36
2002-2003	0.82	0.00	0.00	0.00	0.00	1.42	1.14	0.25	1.13	1.05	1.67	0.67	8.15
2003-2004	0.00	0.00	0.00	0.00	0.07	0.47	2.05						
AVERAGE	0.06	0.01	0.03	0.19	0.35	0.88	1.08	1.59	1.49	1.40	0.73	0.22	8.02

50 YEAR AVERAGE RAINFALL 8.02