

**THE
KINGDOM
OF
KINGS**

**AGRICULTURAL
CROP REPORT**

Kings County, California 1993

KINGS COUNTY
AGRICULTURAL COMMISSIONER/SEALER

**** PERSONNEL ****

AGRICULTURAL COMMISSIONER/SEALER OF WEIGHTS AND MEASURES

M. HUGH HANDLEY

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Mr. Bill Banister."**

COUNTY OF KINGS



AGRICULTURAL COMMISSIONER SEALER OF WEIGHTS AND MEASURES

M. Hugh Handley
Agricultural Commissioner
Sealer Of Weights And Measures

680 N. Campus Drive

Hanford, California 93230

(209) 582-3211 Ext. 2830

April 1, 1994

Henry J. Voss, Secretary
California Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Kings

Gentlemen:

I am pleased to submit the 1993 Agricultural Crop Report on the production and value of agricultural commodities for 1993 in Kings County. This report is compiled in accordance with Section 2279 of The California Food and Agricultural Code.

The gross value of all agricultural commodities for 1993 was \$836,860,000., an increase of \$61,003,000. (+7.86%) from last year's (1992) value.

The increased values were reflected in five (5) crop categories; field crops (+1.26%), fruit and nut crops (+42.94%), vegetable crops (+50.25%), livestock and poultry (+8.59%), and livestock and poultry products (+6.86%).

Crop categories which reflected decreased values were seed crops (-45.93%) and apiary products (-52.91%).

Cotton, Kings County's leading crop continued to lead all others with a value of \$289,776,000, including lint and seed. All figures in this report are gross values and do not reflect net profit received by growers.

This report would not have been possible to compile without the input received from many individuals who contributed their time and information. I wish to extend a special "thank you" to Buzz Felleke of my staff for his compiling of the report.

Respectfully Submitted,

M. Hugh Handley
Agricultural Commissioner
Sealer of Weights and Measures

THE KINGDOM OF KINGS

In 1850 California became the thirty-first state of the Union. The state was divided into huge counties. The largest of which was Mariposa which stretched from the Pacific Coast into Nevada's border. Due to the size, Mariposa County was unmanageable, so it was divided into seven counties. One of them was Tulare. In 1893 Kings County was formed from part of Tulare County. The formation of Kings County came about after a long legislative battle. The man that started the process was Dr. A. B. Butler, a member of the California Assembly and also a physician from Grangeville. He introduced a bill that would cut off the western end of Tulare County as well as a portion of Fresno County to form Kings County. On March 23, 1893 the bill was signed by Governor H. H. Markham and on May 23, 1893 the voters overwhelmingly approved the bill.

The Kings County Board Of Supervisors made a claim against Tulare County for funds and received \$13,289.16. With it land was bought to build a courthouse. On May 13, 1896 the Board instructed Mr. John Haggerty to construct a courthouse of granite stone with terra-cotta trim for the sum of \$26,364. It was financed by the sale of bonds.

Several historical events have taken place in Kings County before and after it's formation. The "Mussel Slough Tragedy" was one of these. It was a gun battle between angry farmers and agents of the Southern Pacific Railroad, which was known at that time as the "Octopus", due to it's relentless control of every aspect of California. Deceived and unwilling to pay the higher land prices for their homesteads to the railroad, the stage was set. During an attempted eviction, the fight happened on May 11, 1880 and took the lives of two U.S. deputy marshals and five farmers. Other farmers were jailed and a sympathetic world watched their plight. One of the Octopus' arms had been severed at Mussel Slough.

Kings County has nine cities and each city has played a major role in making what is now Kings County. Armona, in the early 1930's was known for it's row of packing houses and a frog farm. The history of Avenal goes back in the mid 1800's where the settlers tried to establish a cattle empire. In 1900 the first well was drilled in the Kettleman Hills which produced one of the finest quality of gas and oil that the world had known. This brought growth to the City of Avenal. Corcoran was once covered by twenty feet of water from the Tulare Lake. J. W. Guiberson planted the first cotton crop in 1920 and also built the first gin in Corcoran. Now Corcoran is one of the largest cotton growing areas in the world. The City of Hanford which is the county seat, had it's beginning in 1876 and was named after James M. Hanford, who was paymaster for the railroad at that time. On July 4, 1894 a meeting was held at the Hanford Sentinel which led to the arrangement of the railroad line from San Francisco through the San Joaquin Valley. The main line going though Hanford made it the dominant city in the county.

The Lemoore Naval Air Station has more recent history, and has a vast influence on Kings County. In 1955 President Eisenhower signed the Military Construction Bill providing \$81 million for building the station, but spent about \$155 million to complete the project. On May 4, 1960 the first three jets touched down on the base runway.

As the county celebrates it's centennial, the future looks brighter, but at the same time the future is filled with great challenges from water shortage to air quality. Old settlers took what was raw and unsettled and made it 11th among California counties and 18th among U. S. counties in agricultural production. The new generations of Kings County will meet the challenges with greater hope and courage.

ANNUAL CROP REPORT FOR YEAR 1993

KINGS COUNTY
AGRICULTURAL COMMISSIONER/SEALER

M. HUGH HANDLEY
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

KINGS COUNTY
BOARD OF SUPERVISORS

JAMES M. EDWARDS	DISTRICT I
JOE HAMMOND	DISTRICT II
JOE BEZERRA	DISTRICT III
NICK KINNEY	DISTRICT IV
ABEL J. MEIRELLES	DISTRICT V

COUNTY ADMINISTRATIVE OFFICER
MILTON D. McCOY

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FIELD CROPS

CROP	YEAR	HARVESTED PRODUCTION			UNIT	VALUE	
		ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
Barley	1993	16,423	2.37	38,923	Ton	118.00	4,593,000
	1992	17,548	2.12	37,202	Ton	120.00	4,464,000
Beans Dry a/	1993	2,401	1.10	2,641	Ton	627.00	1,656,000
	1992	2,500	1.19	2,975	Ton	519.00	1,544,000
Corn Silage	1993	25,348	24.54	622,040	Ton	17.80	11,072,000
	1992	21,962	22.93	503,589	Ton	16.25	8,183,000
Cotton							
Acala-Lint b/	1993	233,980	2.71	634,086	495 lb.	333.88	211,709,000
	1992	234,065	2.94	688,151	495 lb.	331.00	227,778,000
Acala-Seed	1993			262,015	Ton	177.00	46,377,000
	1992			284,219	Ton	142.00	40,359,000
Cotton Pima-Lint b/	1993	27,835	2.32	64,577	495 lb.	416.17	26,875,000
	1992	20,740	2.69	55,791	495 lb.	401.00	22,372,000
Pima-Seed	1993			24,412	Ton	149.00	3,637,000
	1992			22,989	Ton	133.00	3,056,000
Hay							
Alfalfa	1993	27,457	7.17	196,867	Ton	108.22	21,305,000
	1992	32,138	7.49	240,714	Ton	70.73	17,026,000
Other c/	1993	1,238	3.50	4,333	Ton	55.00	238,000
	1992	1,200	2.82	3,384	Ton	50.00	169,000
Pasture							
Irrigated	1993	11,000			Acre	107.00	1,177,000
	1992	10,000			Acre	105.00	1,050,000
Range	1993	100,000			Acre	2.00	200,000
	1992	90,000			Acre	2.00	180,000
Alfalfa	1993	31,777			Acre	18.00	572,000
Stubble	1992	42,000			Acre	21.00	882,000
Safflower	1993	46,485	1.13	52,528	Ton	317.00	14,736,000
	1992	32,000	1.24	39,680	Ton	312.00	12,380,000
Sugar Beets	1993	3,221	29.47	94,923	Ton	40.00	3,797,000
	1992	4,457	13.00	57,941	Ton	38.00	2,202,000

FIELD CROPS

CROP	YEAR	HARVESTED PRODUCTION		UNIT	VALUE		
		ACREAGE	PER ACRE		PER UNIT	TOTAL	
Wheat	1993	30,598	2.75	84,145	Ton	106.00	8,919,000
	1992	32,000	3.01	96,320	Ton	103.00	9,921,000
Other d/	1993	20,438					4,033,000
	1992	14,000					4,844,000
TOTAL	1993	578,201					360,896,000
	1992	554,610					356,410,000

a/ Blackeye beans and other dry beans.

b/ 495 lb. = 1 bale.

c/ Includes hay and green chop from barley, oats and wheat.

d/ Includes corn grain, oat silage, kenaf, millet, screening, straw, sudangrass wheat silage, and winter forage.

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		UNIT	VALUE		
		ACREAGE	PER ACRE		PER UNIT	TOTAL	
Alfalfa							
Certified	1993	3,227	670	2,162,090	lb.	1.27	2,746,000
	1992	10,963	703	7,706,989	lb.	1.32	10,173,000
Non-certified	1993	1,100	670	737,000	lb.	1.10	811,000
	1992	1,200	703	843,600	lb.	1.15	970,000
Total	1993	4,327		2,899,090	lb.		3,557,000
	1992	12,163		8,550,589	lb.		11,143,000
Barley, Certified	1993	1,514	5600	8,478,400	lb.	0.06	509,000
	1992	1,800	4000	7,200,000	lb.	0.05	360,000
Cotton, Certified a/	1993	4,500		4,500	Ton	261.74	1,178,000
	1992	5,056		4,918	Ton	194.00	954,000

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		VALUE			
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Wheat, Certified	1993	9,309	6,580	61,253,220	lb.	0.06	3,675,000
	1992	12,300	6,080	74,784,000	lb.	0.10	7,478,000
Vegetable b/	1993	137					2,015,000
	1992	261					657,000
Other c/	1993						1,958,000
	1992	690					3,251,000
TOTAL	1993	19,787					12,892,000
	1992	32,270					23,843,000

a/ Not included in total acreage for "Seed Crops".

b/ Cauliflower, chinese cabbage, lettuce, onion, and pepper.

c/ Flowers and turf.

FRUIT & NUT CROPS

CROP	YEAR	BEARING PRODUCTION		VALUE			
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Almonds	1993	1,907	0.72	1,373	Ton	3,284.00	4,509,000
	1992	1,908	0.66	1,259	Ton	2,321.00	2,923,000
Almond Hulls	1993			1,740	Ton	62.00	108,000
	1992			1,230	Ton	57.00	70,000
Apples Fresh	1993			5,895	Ton	507.00	2,989,000
	1992			1,782	Ton	973.00	1,734,000
Processed	1993			2,583	Ton	66.00	170,000
	1992			1,743	Ton	102.00	178,000
Apples Total	1993	502	16.89	8,478	Ton		3,159,000
	1992	327	10.78	3,525	Ton		1,912,000

FRUIT & NUT CROPS

CROP	YEAR	BEARING		PRODUCTION		VALUE	
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Apricots							
Fresh	1993			1,007	Ton	828.00	834,000
	1992			921	Ton	982.00	904,000
Processed	1993			200	Ton	250.00	50,000
	1992			307	Ton	210.00	64,000
Apricots Total	1993	251	4.61	1,207	Ton		884,000
	1992	262	4.69	1,228	Ton		968,000
Firewood a/	1993			620	Cord	100.00	62,000
	1992			490	Cord	100.00	49,000
Grapes							
Raisin Varieties							
Fresh	1993			1,650	Ton	890.00	1,468,000
				6,540	Ton	910.00	5,951,000
Crushed				6,444	Ton	170.00	1,095,000
Canned				1,422	Ton	240.00	341,000
Total		1,958		16,056			8,855,000
Grapes							
Raisin Varieties							
Fresh	1992			1,504	Ton	680.00	1,023,000
				1,226	Ton	890.00	1,091,000
Crushed				8,458	Ton	176.00	1,489,000
Canned				240	Ton	230.00	55,000
Total		1,959		11,428			3,658,000
Table Varieties							
	1993	634	12.74	8,077	Ton	503.00	4,063,000
	1992	628	9.69	6,085	Ton	760.00	4,625,000
Wine Varieties							
	1993	1,313	10.00	13,130	Ton	230.00	3,020,000
	1992	1,288	8.69	11,193	Ton	205.00	2,295,000
Grapes Total	1993	3,905					15,938,000
	1992	3,875					10,578,000
Kiwifruit	1993	303	5.50	1,667	Ton	1,243.00	2,071,000
	1992	244	3.80	927	Ton	1,428.00	1,324,000
Nectarines	1993	2,034	9.26	18,835	Ton	678.00	12,770,000
	1992	1,996	7.68	15,329	Ton	689.00	10,562,000

FRUIT & NUT CROPS

CROP	YEAR	BEARING		PRODUCTION		VALUE	
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Olives	1993	1,114	4.10	4,567	Ton	500.00	2,284,000
	1992	526	3.06	1,610	Ton	601.00	967,000
Peaches							
Clingstone	1993	1,289	20.00	25,780	Ton	217.00	5,594,000
	1992	1,290	17.43	22,485	Ton	213.00	4,789,000
Freestone	1993	2,685	8.47	22,742	Ton	591.00	13,440,000
	1992	2,690	8.65	23,269	Ton	462.00	10,750,000
Peaches Total	1993	3,974					19,034,000
	1992	3,980					15,539,000
Pistachios	1993	5,596	1.45	8,114	Ton	2,612.00	21,194,000
	1992	5,597	0.72	4,030	Ton	3,035.00	12,231,000
Plums	1993	1,945	7.79	15,152	Ton	607.00	9,197,000
	1992	1,910	6.04	11,536	Ton	341.00	3,934,000
Pomegranates	1993	340	3.30	1,122	Ton	1,087.00	1,220,000
	1992	340	2.40	816	Ton	1,324.00	1,080,000
Walnuts	1993	5,797	1.93	11,188	Ton	1,560.00	17,454,000
	1992	5,890	1.71	10,072	Ton	1,438.00	14,483,000
Other b/	1993	327					1,807,000
	1992	422					1,314,000
Other c/	1993						850,000
	1992						800,000
TOTAL	1993	27,995					112,541,000
	1992	27,277					85,739,000

a/ Includes all varieties.

b/ Includes Asian pears, cherries, jojoba, pecans, persimmons, prunes, and quince.

c/ Black walnut stumps.

VEGETABLE CROPS

CROP	YEAR	HARVESTED PRODUCTION		UNIT	VALUE		
		ACREAGE	PER ACRE		TOTAL	PER UNIT	TOTAL
Broccoli							
Fresh	1993			3,556	Ton	532.00	1,892,000
	1992			2,928	Ton	680.00	1,991,000
Processed	1993			2,045	Ton	384.00	785,000
	1992			320	Ton	360.00	115,000
Broccoli Total							
	1993	1,398	4.09				2,677,000
	1992	850	5.60				2,106,000
Cantaloupes							
	1993	925	12.00	11,100	Ton	250.00	2,775,000
	1992	1,727	12.60	21,760	Ton	203.00	4,417,000
Sweet Corn							
	1993	250	6.25	1,563	Ton	241.00	377,000
	1992	140	7.48	1,047	Ton	205.00	215,000
Tomatoes							
Fresh	1993	775	21.00	16,275	Ton	340.00	5,533,000
	1992	850	26.90	22,865	Ton	351.00	8,026,000
Processed	1993	11,000	31.31	344,410	Ton	57.50	19,804,000
	1992	3,370	30.00	101,100	Ton	56.00	5,662,000
Tomatoes Total							
	1993	11,775		360,685			25,337,000
	1992	4,220		123,965			13,688,000
Other a/							
	1993	4,395					13,065,000
	1992	2,219					9,013,000
TOTAL							
	1993	18,743					44,231,000
	1992	9,956					29,439,000

a/ Includes Asparagus, chinese cabbage, garlic, eggplant, lettuce, misc. melons, misc. vegetable, processed onion, peanuts, processed carrots, processed garlic, squash and watermelon.

INVENTORIES OF LIVESTOCK & POULTRY

ITEM	January 1, 1994	January 1, 1993
	NUMBER OF HEAD	NUMBER OF HEAD
Cattle and Calves		
All	200,000	195,000
Dairy Cows 2 Years and Over	98,000	83,000
Cattle and Calves on Feed	3,000	3,000
Other	130,000	128,500
Sheep and Lambs		
Goats	10,210	14,000
Hogs and Pigs	2,800	1,900
Turkeys	8,600	6,300
	652,000	541,000

LIVESTOCK & POULTRY

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NUMBER OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Breeding Stock a/	1993					1,320,000
	1992					1,512,000
Cattle and Calves	1993	142,965	870,656	Cwt.	71.00	61,817,000
	1992	158,668	966,288	Cwt.	67.15	64,886,000
Hogs and Pigs	1993	13,378	31,037	Cwt.	46.00	990,000
	1992	10,429	23,570	Cwt.	42.00	990,000
Sheep and Lambs	1993	10,210	11,435	Cwt.	80.00	915,000
	1992	12,729	14,384	Cwt.	74.00	1,064,000
Turkeys	1993	2,205,590	47,574,576	lb.	0.60	28,544,000
	1992	2,162,616	44,203,871	lb.	0.38	16,797,000
Other b/	1993					12,182,000
	1992					12,150,000
TOTAL	1993					105,768,000
	1992					97,399,000

a/ For All animals except horses.

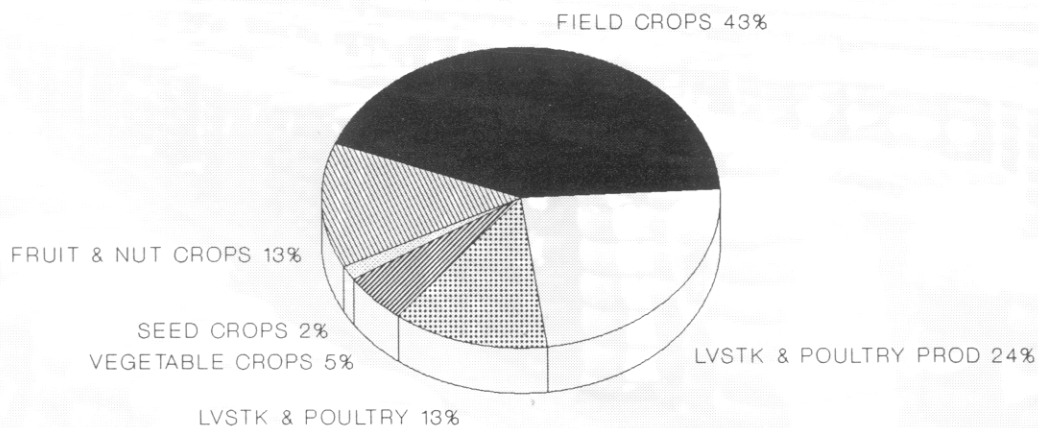
b/ Includes Catfish, chickens, and goats.

LIVESTOCK & POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
Eggs-Chicken Market	1993	2,568,797	Doz.	0.75	1,927,000
	1992	2,690,760	Doz.	0.67	1,803,000
Manure	1993	340,742	Ton	4.83	1,646,000
	1992	351,367	Ton	3.94	1,384,000
Milk					
Milk, Goats	1993	14,967	Cwt.	24.14	361,000
	1992	17,084	Cwt.	25.30	432,000
Market	1993	17,218,688	Cwt.	11.24	193,596,000
	1992	15,951,564	Cwt.	11.38	181,529,000
Manufacturing	1993	82,756	Cwt.	11.05	914,000
	1992	50,516	Cwt.	10.44	553,000
Milk Total	1993	17,316,411			194,871,000
	1992	16,019,164			182,514,000
Wool	1993	106,184	lb.	0.90	96,000 *
	1992	132,382	lb.	0.70	101,000 *
TOTAL	1993				198,540,000
	1992				185,802,000

* Not including wool incentive payment.

KINGS COUNTY 1993 TOTAL CROP VALUE

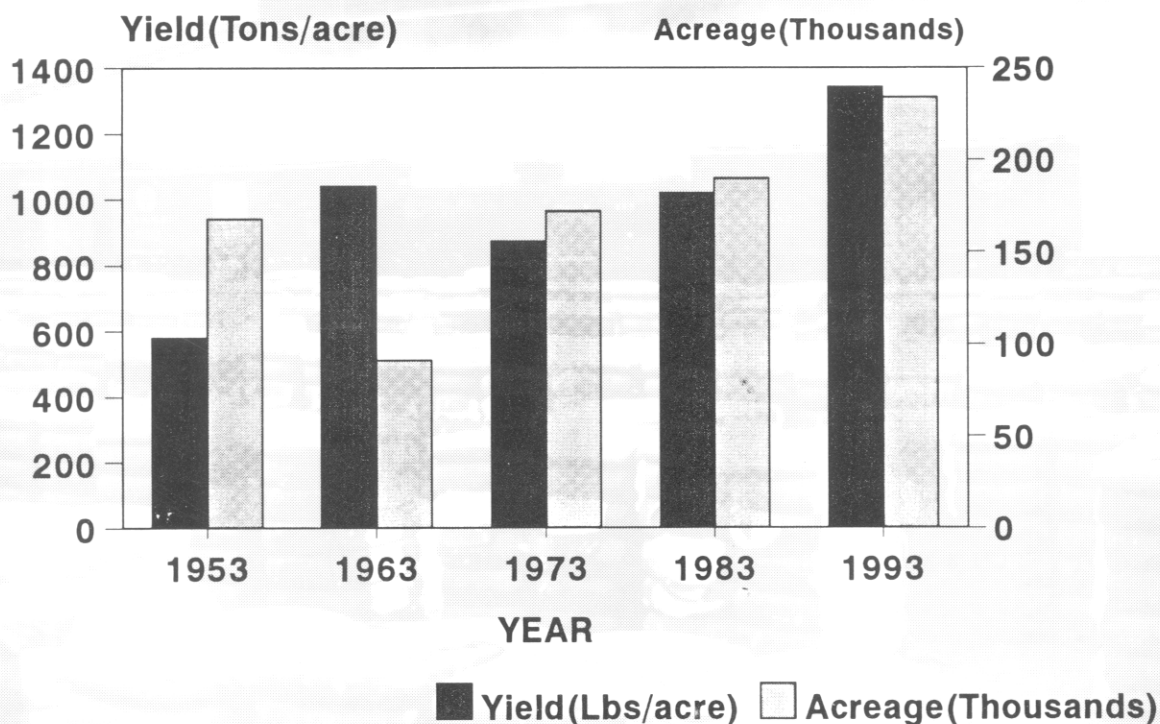


APIARY PRODUCTS

ITEM	YEAR	TOTAL PRODUCTION	UNIT	PER UNIT	TOTAL
Apiary Products					
Honey	1993	2,430,609	lb.	0.55	1,337,000
	1992	4,814,625	lb.	0.58	2,792,000
Beeswax	1993	40,510	lb.	1.20	49,000
	1992	80,244	lb.	1.05	84,000
Pollination					
Seed Alfalfa	1993	17,308	Colonies	20.00	346,000
	1992	53,600	Colonies	22.00	1,072,000
Tree Fruit a/	1993	7,704	Colonies	31.00	239,000
	1992	8,000	Colonies	31.00	248,000
Cantaloupe	1993	1,388	Colonies	15.00	21,000
	1992	2,590	Colonies	13.00	34,000
TOTAL	1993				1,992,000
	1992				4,230,000

a/ Almonds and plums.

COTTON YIELD & HARVESTED ACRES

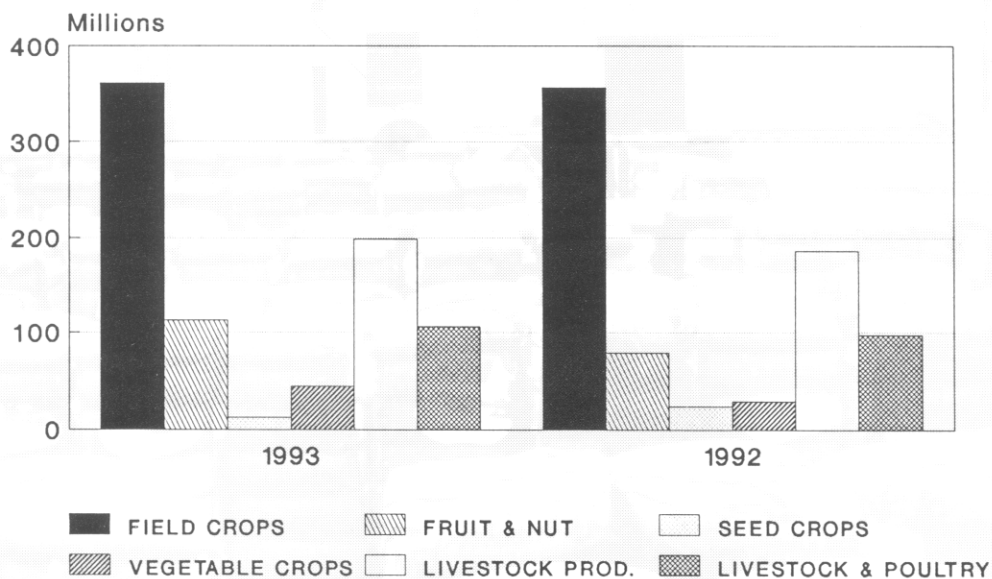


FIVE YEAR COMPARISON OF ACREAGE & CROP VALUES

	1989	1990	1991	1992	1993
Apiary Products	2,168,000	2,757,000	3,934,000	4,230,000	1,992,000
Field Crops	351,926,000	366,480,000	312,378,000	356,410,000	360,896,000
Acreage	632,968	621,762	561,531	554,610	578,201
Fruit and Nut Crops	67,970,000	84,979,000	85,739,000	78,734,000	112,541,000
Acreage	23,555	25,990	28,040	27,277	27,995
Livestock and Poultry	98,050,000	103,374,000	109,501,000	97,399,000	105,768,000
Livestock and Poultry Products	161,825,000	172,625,000	166,204,000	185,802,000	198,540,000
Seed Crops	31,321,000	29,246,000	28,300,000	23,843,000	12,892,000
Acreage	39,862	50,476	38,603	32,270	19,787
Vegetable Crops	29,823,000	26,858,000	32,260,000	29,439,000	44,231,000
Acreage	7,986	10,251	14,453	9,956	18,743
TOTAL	\$ 743,083,000	\$ 786,319,000 *	\$ 738,316,000	\$ 775,857,000	\$ 836,860,000

* Revised

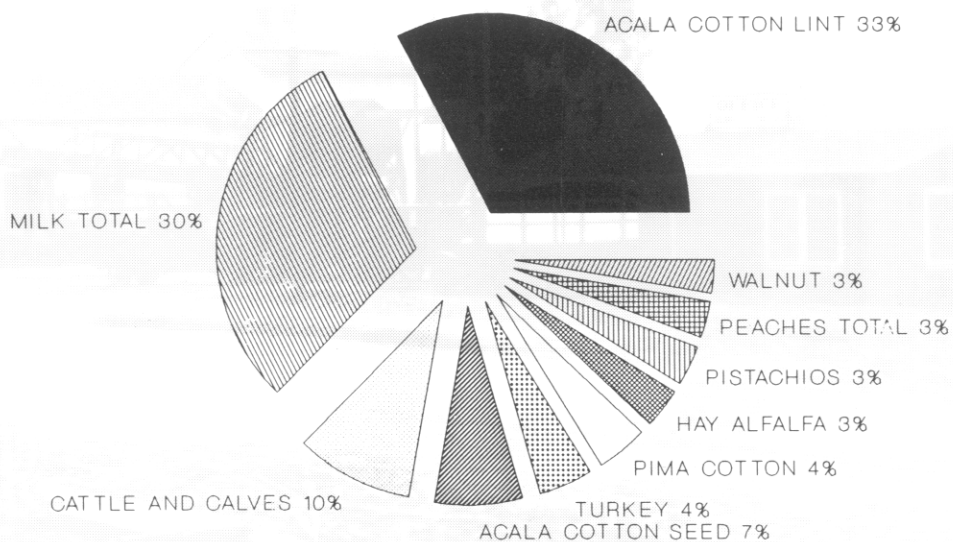
COMPARISON OF CROP VALUES FOR 1993 AND 1992



KINGS COUNTY TEN LEADING CROPS

CROP	1993 RANK	1993 DOLLAR VALUE	1992 RANK	1991 RANK	1990 RANK
Acala Cotton Lint	1	211,709,000	1	1	1
Milk Total	2	194,871,000	2	2	2
Cattle and Calves	3	61,817,000	3	3	3
Acala Cotton Seed	4	46,377,000	4	5	4
Turkey	5	28,544,000	7	4	8
Pima Cotton	6	26,875,000	5	10	18
Hay Alfalfa	7	21,305,000	6	6	6
Pistachios	8	21,194,000	11	10	8
Peaches Total	9	19,034,000	8	7	11
Walnut	10	17,454,000	9	12	10

TOP TEN CROPS OF KINGS COUNTY FOR 1993



KINGS COUNTY SUSTAINABLE AGRICULTURAL REPORTING

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Pest	Agent/Mechanism	Scope of Program
COUNTY BIOLOGICAL CONTROL		
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformis</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 Urophora sirunaseva	1 site
Comstock Mealybug <u>Pseudococcus comstocki</u>	Parasitic Wasps <u>Pseudathycus malimus</u> <u>Allotropa burrelli</u> <u>Allotropa convexifrons</u>	2 sites
Codling Moth <u>Carpocapsa pomonella</u>	Parasitic Wasp <u>Ascogaster quadridentata</u>	1 site
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia partenorea</u>	Generally distributed
COUNTY PEST ERADICATION		
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	261,815 acres
COUNTY PEST EXCLUSION		
European Corn Borer <u>Ostrinia nubilalis</u>	Railroad Corn Shipments	819 inspections
Various	Truck Shipments	8,915 inspections
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	31 inspections
COUNTY PEST DETECTION		
Various Insect Pests	Various Detection Insect Traps	1,049 traps
ORGANIC FARMING STATISTICS		
Crop	Number of Farms	Estimated Acres
Cotton	1	38
	12	

GENERAL KINGS COUNTY INFORMATION

County Seat	Hanford
County Population (1993)	111,212
Population per Square Mile	80
Total Assessed Value (1993)	\$3,372,473,000
Land Area (Square Miles)	1,396
Total Acres	918,790
Land in Farms (Acres - 1993)	812,000
Foreign Ownership (10 parcels - 1990)	7,284 (acres) (value = \$2,198,000)
Total Cropland (Acres - 1993)	684,000
Irrigated Cropland (Acres - 1982)	554,114
Total Agricultural Work Force	6,420
Public Ownership of Land (Acres - 1977)	
Federal	30,974 (3.4%)
State	5,016 (.5%)
County & City	9,544 (1.0%)
School & Special Districts	4,426 (.4%)

Agricultural production ranked 11th among California counties and 18th among U.S. counties. (Based on 1992 total value.)

Railroads - Santa Fe, Southern 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 - 225 to 250 feet above sea level. (800 feet in the Kettleman Hills.)

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 & 95 cloudy days.

Average date of first fall forst: November 18.

RAINFALL – HANFORD, CA

YEAR	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	TOTAL
1944-45	0.00	0.00	0.00	0.02	0.23	2.25	1.05	0.27	2.69	1.81	0.16	0.10	8.58
1945-46	0.18	0.00	0.00	0.01	0.62	1.15	1.61	0.34	1.52	2.57	0.07	0.41	8.48
1946-47	0.00	0.11	0.00	0.00	1.49	1.10	1.64	0.33	0.49	0.51	0.66	0.33	6.66
1947-48	0.01	0.00	0.00	0.00	0.47	0.29	0.51	0.00	0.43	1.49	1.56	0.55	5.31
1948-49	0.53	0.00	0.00	0.00	0.00	0.03	0.01	0.99	0.51	0.85	1.94	0.07	4.93
1949-50	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.68	1.48	1.13	1.10	0.40	5.39
1950-51	0.07	0.00	0.08	0.00	0.00	0.34	0.63	1.06	1.24	0.76	0.22	1.17	5.57
1951-52	0.02	0.00	0.00	0.00	0.08	1.11	2.39	3.03	0.27	2.18	0.79	0.01	9.88
1952-53	0.02	0.00	0.00	0.17	0.05	0.65	2.96	1.10	0.27	0.34	0.83	0.29	6.68
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						
AVERAGE	0.06	0.00	0.03	0.17	0.32	0.90	1.12	1.39	1.41	1.38	0.74	0.24	7.72
50 YEAR AVERAGE RAINFALL													7.72