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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Kings County

1990-1994



AGRICULTURAL CROP REPORT

KINGS COUNTY, CALIFORNIA 1990

KINGS COUNTY
DEPARTMENT OF AGRICULTURE

** PERSONNEL **

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M. HUGH HANDLEY

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Crop Report Cover: PROCESSED TOMATOES:
" THE SPICY SAUCE OF THE 1990'S."

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, 1991

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

Gentlemen:

It is with pleasure to submit the 1990 Agricultural Crop Report, for the acreage, production and value of agricultural crops and products in Kings County, which was compiled in accordance with Section 2279 of the California Food and Agricultural Code.

The gross value of agricultural crops and products in Kings County for the calendar year 1990 was \$768,279,000., an all time record and an increase of \$26,412,000. (3.56%) over 1989 values.

Crop categories reflecting increases in value were fruit and nut crops (+25%), livestock and poultry (+5.4%), and livestock and poultry products (+6.9%). These increases were due to both increases in acreage or animals and values.

However, field crop, seed crop and vegetable crop categories reflected reduced values, due to lower production and/or commodity values.

Cotton continues to be Kings County's main crop with a value of \$264,266,000, including lint and seed.

All figures in this report are gross returns and do not indicate net profit received by growers.

This report could not have been possible without the many individuals and organizations which contributed their time and information. I wish to extend a special thanks to Buzz Felleke of my staff, who compiled the report.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "M. Hugh Handley".

M. Hugh Handley
Agricultural Commissioner
Sealer of Weights and Measures

MHH:ame

PROCESSED TOMATOES

The tomato, Lycopersicon esculentum is a member of the night-shade family, is a perennial herb in its native habitat, but it is cultivated as an annual crop. The tomato is a hairy plant about 6 feet or more in height with irregularly pinnet leaves and has yellow flowers.

The tomato comes from tropical America and was used by the Indians as food long before the time of Columbus. Indians of Mexico referred to this vegetable by using the word "tomati" and the crop was grown sometimes among maize plants. Tomatoes were taken to Europe from Mexico before 1554. In Europe it was grown as a decorative plant for a long time because it was considered poisonous. Except for the fruit, the tomato plant itself is toxic and contains dangerous alkaloids, and can cause severe digestive upsets if consumed. By 1812, tomatoes were grown extensively in fields in Italy and Sicily. Jefferson grew tomatoes in 1781 as a decorative plant, but the fruit didn't appear in U.S. markets until about 1829. Tomatoes were a popular food by 1844 and were available in most markets by the middle of the 19th century. Fruit size and form were improved through breeding techniques and have developed hundreds of varieties, including processed tomatoes.

The number of tomato growers in California is about 500. World wide demand for the spicy fruit has increased production in the last five years. Last year, California production was about 320,000 acres, an increase of 14% from the previous year. The industry generated about \$3.5 billion in income for California in 1990.

Modernized processing facilities have been built from Riverbank in Stanislaus County, to Lemoore and Hanford California. The canneries are finding new applications for the highly -flavored tomato extract toward uses in different consumer products from catsup, paste, pasta sauce, salsa, juice to even some dessets.

California produces half of the processed tomatoes in the world. Kings County shares an interest in that production.

ANNUAL CROP REPORT FOR YEAR 1990

KINGS COUNTY DEPARTMENT OF AGRICULTURE

M. HUGH HANDLEY
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

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COUNTY ADMINISTRATIVE OFFICER

MILTON D. McCOY

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FIELD CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley	1990	34,666	2.00	69,332	Ton	\$121.00	\$8,389,000
	1989	22,577	2.26	51,024	Ton	\$121.00	\$6,174,000
Beans Dry a/	1990	1,819	1.12	2,037	Ton	570.00	1,161,000
	1989	2,500	1.00	2,500	Ton	421.00	1,054,000
Corn Silage	1990	13,293	23.19	308,265	Ton	19.00	5,857,000
	1989	11,753	21.00	246,813	Ton	18.00	4,443,000
Cotton							
Acala-Lint b/	1990	247,455	2.24	554,299	495 lb	386.00	213,959,000
	1989	245,763	2.40	589,831	495 lb	366.00	215,878,000
Acala-Seed	1990			228,992	Ton	180.00	41,219,000
	1989			243,305	Ton	165.00	40,145,000
Cotton	1990	6,670	2.17	14,474	495 lb	562.00	8,134,000
Pima-Lint b/	1989	1,377	2.33	3,208	495 lb	465.00	1,492,000
Pima-Seed	1990			5,961	Ton	160.00	954,000
	1989			1,323	Ton	130.00	172,000
Hay							
Alfalfa	1990	38,257	8.04	307,586	Ton	107.00	32,912,000
	1989	31,144	8.95	278,739	TON	102.00	28,431,000
Other c/	1990	1,285	3.90	5,012	Ton	85.00	426,000
	1989	1,100	3.80	4,180	Ton	80.00	334,000
Pasture							
Irrigated	1990	12,000			Acre	109.00	1,308,000
	1989	12,500			Acre	108.00	1,350,000
Range	1990	120,000			Acre	2.00	240,000
	1989	150,000			Acre	2.00	300,000
Alfalfa Stubble	1990	52,000			Acre	19.00	988,000
	1989	49,000			Acre	18.00	882,000
Safflower	1990	35,734	1.36	48,598	Ton	264.00	12,830,000
	1989	54,380	1.64	89,183	Ton	300.00	26,755,000
Sugar Beets	1990	659	29.26	19,282	Ton	32.51	627,000
	1989	54,380	20.00	65,879	Ton	36.12	2,380,000

FIELD CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Wheat	1990	49,161	2.52	123,886	Ton	117.00	14,495,000
	1989	41,596	3.13	130,195	Ton	138.28	18,003,000
Other d/	1990	8,763					4,190,000
	1989	9,205					4,352,000
TOTAL	1990	621,762					\$348,075,000
	1989	632,968					\$351,926,000

a/ Snap beans and blackeye beans.

b/ 495 lb. = 1 bale.

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

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

SEED CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa Certified	1990	22,016	538	11,844,608	lb.	\$1.40	\$16,582,000
	1989	21,052	627	13,199,604	lb.	\$1.34	\$17,687,000
Non-certified	1990	1,600	538	860,800	lb.	1.20	1,033,000
	1989	1,200	627	752,400	lb.	1.12	843,000
Total	1990	23,616		12,705,408	lb.		17,615,000
	1989	22,252		13,952,004	lb.		18,530,000
Barley, Certified	1990	3,927	5,000	19,635,000	lb.	.07	1,374,000
	1989	1,246	4,500	5,607,000	lb.	.09	505,000
Cotton, Certified a/	1990	6,593		3,436	Ton	214.00	735,000
	1989	8,876		3,728	Ton	197.00	734,000

SEED CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	PER UNIT	VALUE	
			PER ACRE	TOTAL			PER UNIT	TOTAL
Wheat, Certified	1990	15,229	4,260	64,875,540	lb.	\$.08	\$5,190,000	
	1989	15,469	5,500	85,076,500	lb.	\$.10	\$8,508,000	
Lettuce	1990	280	500	140,000	lb.	\$4.75	\$665,000	
	1989	316	651	205,716	lb.	5.75	1,183,000	
Vegetable b/	1990	314					438,000	
	1989	174					247,000	
Other c/	1990	523					3,229,000	
	1989	410					1,614,000	
TOTAL	1990	50,476					\$ 29,246,000	
	1989	39,867					\$ 31,321,000	

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

b/ Onion, and watermelon.

c/ Cow peas, flowers, oats, and turf.

FRUIT AND NUT CROPS

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	PER UNIT	VALUE	
			PER ACRE	TOTAL			PER UNIT	TOTAL
Almonds	1990	3,061	.76	2,326	Ton	\$1,973.00	\$4,590,000	
	1989	3,061	.66	2,020	Ton	\$2,160.00	\$4,363,000	
Almond Hulls	1990			1,045	Ton	72.00	75,000	
	1989			1,071	Ton	68.00	73,000	
Apples Fresh	1990			1,769	Ton	569.00	1,007,000	
	1989			1,298	Ton	656.00	851,000	
Processed	1990			1,258	Ton	72.00	91,000	
	1989			774	Ton	74.00	57,000	
Apples Total	1990	252	7.02	3,027	Ton		1,098,000	
	1989	156	8.32	2,072	Ton		908,000	

FRUIT AND NUT CROPS

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	VALUE		
			PER ACRE	TOTAL		PER UNIT	TOTAL	

Apricots								
Fresh	1990			1,439	Ton	\$831.00	\$1,196,000	
	1989			1,803	Ton	\$583.00	\$1,051,000	
Processed	1990			360	Ton	150.00	54,000	
	1989			427	Ton	184.00	79,000	
Apricots Total	1990	250	7.20	1,799	Ton		1,250,000	
	1989	250	8.32	2,230	Ton		1,130,000	
Firewood a/	1990			600	Cord	105.00	63,000	
	1989			555	Cord	100.00	55,000	
Grapes								
Raisin Varieties								
Fresh	1990			2,126	Ton	922.00	1,960,000	
Dried				1,814	Ton	900.00	1,633,000	
Crushed				8,239	Ton	126.00	1,038,000	
Canned				855	Ton	214.00	183,000	
Total		2,500		12,529			4,814,000	

Grapes								
Raisin Varieties								
Fresh	1989			1,504	Ton	782.00	1,176,000	
Dried				1,753	Ton	900.00	1,578,000	
Crushed				8,739	Ton	130.00	1,136,000	
Canned				533	Ton	218.00	116,000	
Total		2,255		12,529			\$4,006,000	

Table Varieties								
	1990	491	8.65	4,247	Ton	864.00	3,670,000	
	1989	513	8.05	4,129	Ton	855.00	3,530,000	
Wine Varieties								
	1990	1,111	8.74	9,710	Ton	155.00	1,505,000	
	1989	954	8.04	7,670	Ton	172.00	1,319,000	
Grapes Total	1990	3,810					9,988,000	
	1989	3,722					8,855,000	
Kiwifruit	1990	315	4.08	1,285	Ton	1,286.00	1,653,000	
	1989	323	6.12	1,977	Ton	1,426.00	2,819,000	
Nectarines	1990	1,414	7.58	10,718	Ton	776.00	8,317,000	
	1989	1,414	8.30	11,736	Ton	782.00	9,178,000	

FRUIT AND NUT CROPS

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	PER UNIT	VALUE	
			PER ACRE	TOTAL			PER UNIT	TOTAL
Olives	1990	1,142	4.89	5,584	Ton	\$532.00	\$2,971,000	
	1989	1,213	1.60	1,941	Ton	\$555.00	\$1,077,000	
Peaches								
Clingstone	1990	959	18.39	17,636	Ton	187.00	3,298,000	
	1989	992	15.00	14,880	Ton	203.00	3,021,000	
Freestone	1990	2,064	9.17	18,927	Ton	783.00	14,820,000	
	1989	1,968	11.06	21,766	Ton	754.00	16,412,000	
Peaches Total	1990	3,023					18,118,000	
	1989	2,960					19,433,000	
Pistachios	1990	5,218	1.38	7,201	Ton	\$2,323.00	16,728,000	
	1989	4,436	.46	2,040	Ton	3,400.00	6,936,000	
Plums	1990	1,794	5.19	9,311	Ton	877.00	8,166,000	
	1989	1,756	4.90	8,604	Ton	621.00	5,343,000	
Pomegranates	1990	347	2.06	715	Ton	872.00	623,000	
	1989	160	6.56	1,050	Ton	566.00	594,000	
Walnuts	1990	4,978	1.71	8,512	Ton	1,029.00	8,759,000	
	1989	4,610	1.59	7,329	Ton	880.00	6,450,000	
Other b/	1990	386					1,779,000	
	1989	391					753,000	
Other c/	1990						800,000	
TOTAL	1990	25,990					\$84,953,000	
	1989	24,410					\$67,970,000	

a/ Includes all varieties.

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

c/ Black walnut stumps.

VEGETABLE CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	PER UNIT	VALUE	
			PER ACRE	TOTAL			PER UNIT	TOTAL
Cantaloupes	1990	1,485	10.48	15,563	Ton	254.00	3,953,000	
	1989	1,390	8.30	11,620	Ton	231.00	2,680,000	
Sweet Corn	1990	573	10.53	6,034	Ton	217.00	1,309,000	
	1989	618	12.83	7,929	Ton	197.00	1,562,000	

VEGETABLE CROPS

CROP	YEAR	HARVESTED		PRODUCTION		VALUE	
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL

Broccoli							
Fresh	1990			2,484	Ton	\$500.00	\$1,242,000
	1989			3,383	Ton	\$293.00	\$991,000
Processed	1990			360	Ton	370.00	133,000
	1989			487	Ton	465.00	991,000
Broccoli Total	1990	552	4.50				1,375,000
	1989	912	3.71				1,217,000

Tomatoes							
Fresh	1990	1,200	20.00	24,000	Ton	340.00	8,150,000
	1989	917	25.62	23,493	Ton	400.00	9,397,000
Processed	1990	3,300	27.30	90,090	Ton	55.20	4,973,000
	1989	3,600	27.50	99,100	Ton	52.10	5,158,000
Tomatoes Total	1990	4,500					13,133,000
	1989	4,517					14,555,000

Other a/	1990	3,141					7,088,000
	1989	3,002					8,516,000

TOTAL	1990	10,251					\$26,850,000
	1989	10,439					\$28,293,000

a/ Includes Asparagus, chinese cabbage, eggplants, garbanzo beans, lima beans, misc. melons, peanuts, processed carrots, processed garlic, squash, and watermelons.

INVENTORY OF LIVESTOCK AND POULTRY

ITEM	January 1, 1991	January 1, 1990
	NUMBER OF HEAD	NUMBER OF HEAD

Cattle and Calves		
All	222,000	210,000
Dairy Cows 2 Years and Over	80,000	78,000
Cattle and Calves on Feed	3,900	3,800
Other	128,500	128,200
Sheep and Lambs	19,000	18,000
Goats	1,400	1,300
Hogs and Pigs	5,900	5,800
Turkeys	800,000	701,521

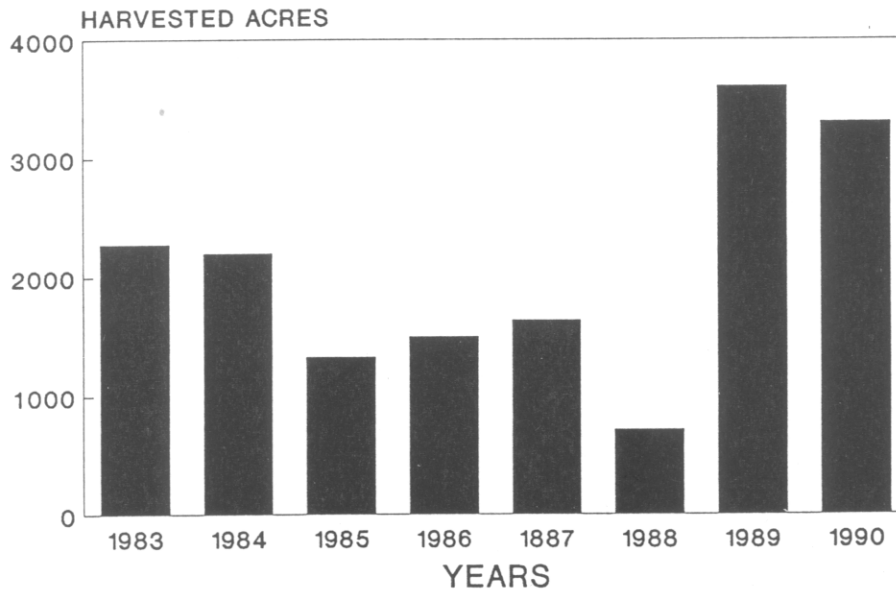
LIVESTOCK AND POULTRY

ITEM	YEAR	PRODUCTION			VALUE	
		NO. OF HEAD	TOTAL LIVELWEIGHT	UNIT	PER UNIT	TOTAL
Breeding Stock a/	1990					\$3,415,000
	1989					\$1,915,000
Cattle and Calves	1990	141,481	861,619	Cwt.	\$70.33	60,598,000
	1989	149,653	911,386	Cwt.	\$66.50	60,607,000
Hogs and Pigs	1990	8,500	18,275	Cwt.	47.00	859,000
	1989	6,050	13,613	Cwt.	45.98	626,000
Sheep and Lambs	1990	9,522	10,664	Cwt.	66.00	704,000
	1989	9,888	10,976	Cwt.	78.00	856,000
Turkeys	1990	3,200,315	72,455,131	lb.	.48	34,778,000
	1989	2,806,086	61,060,431	lb.	.51	31,141,000
Other a/	1990					3,020,000
	1989					2,905,000
TOTAL	1990					\$103,374,000
	1989					\$98,050,000

a/ For All Animals Except Horses.

b/ Includes Catfish, Chickens, and Goats.

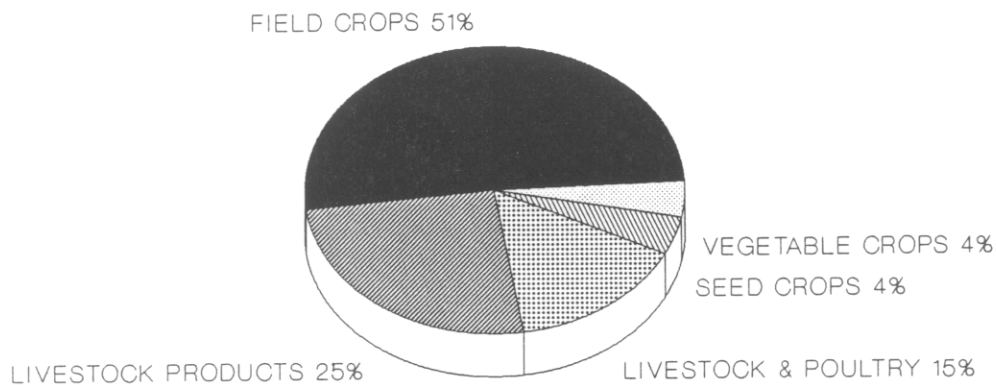
KINGS COUNTY PROCESSED TOMATOES



LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	VALUE	TOTAL
Eggs-Chicken Market	1990	1,492,824	Doz.	\$.80		\$1,194,000
	1989	393,285	Doz.	\$.67		264,000
Manure	1990	302,080	Ton	6.10		1,843,000
	1989	319,512	Ton	4.47		1,428,000
Milk Milk, Goats	1990	12,647	Cwt.	25.37		321,000
	1989	16,116	Cwt.	24.33		392,000
Market	1990	14,415,544	Cwt.	11.72		168,950,000
	1989	13,023,086	Cwt.	12.22		159,142,000
Manufacturing	1990	51,651	Cwt.	11.04		570,000
	1989	38,120	Cwt.	11.60		442,000
Milk Total	1990	14,479,842				169,841,000
	1989	13,077,322				159,976,000
Wool	1990	99,028	lb.	1.78		176,000
	1989	102,835	lb.	1.50		154,000
TOTAL	1990					\$173,054,000
	1989					\$161,825,000

KINGS COUNTY 1990 TOTAL CROP VALUE

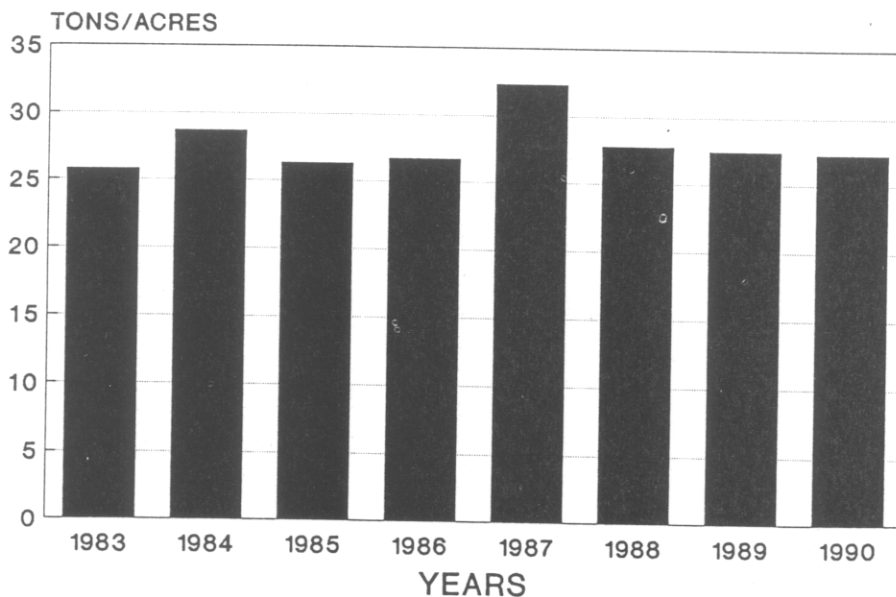


APIARY PRODUCTS

ITEM	YEAR	TOTAL PRODUCTION	UNIT	PER UNIT	VALUE TOTAL
Apiary Products					
Honey	1990	1,559,840	lb.	\$.58	\$905,000
	1989	1,123,125	lb.	\$.54	\$606,000
Beeswax	1990	25,997	lb.	.95	25,000
	1989	18,719	lb.	1.00	19,000
Pollination					
Seed Alfalfa	1990	66,048	Colonies	23.00	1,519,000
	1989	63,156	Colonies	20.00	1,263,000
Tree Fruit a/	1990	9,716	Colonies	28.51	277,000
	1989	9,634	Colonies	26.05	251,000
Cantaloupe	1990	2,228	Colonies	14.00	31,000
	1989	2,085	Colonies	14.00	29,000
TOTAL	1990				\$2,757,000
	1989				\$2,168,000

a/ Almonds and Plums.

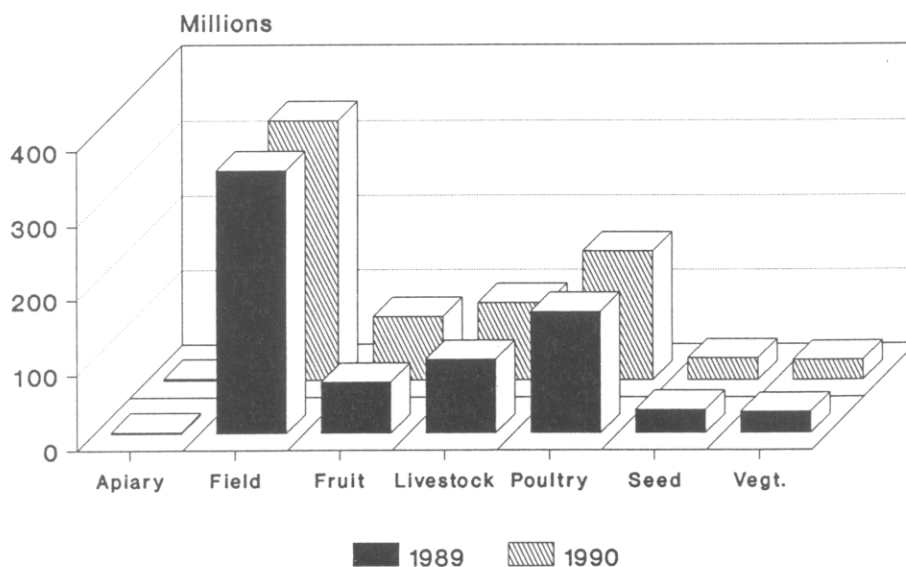
PROCESSED TOMATO YIELD FOR 8 YEARS



FIVE YEAR COMPARISON OF ACREAGE AND CROP VALUE

	1986	1987	1988	1989	1990
Apiary Products	\$ 3,672,000	\$ 3,129,000	\$ 2,991,000	\$ 2,168,000	\$ 2,757,000
Field Crops	255,029,000	336,001,000	290,385,000	351,926,000	348,075,000
Acreage	622,379	645,314	618,026	632,968	621,762
Fruit and Nut Crops	59,070,000	53,537,000	75,361,000	67,970,000	84,953,000
Acreage	29,620	24,522	23,555	23,555	25,990
Livestock and Poultry	56,997,000	69,265,000	79,913,000	98,050,000	103,374,000
Livestock and Poultry Products	126,117,000	133,286,000	131,004,000	161,825,000	173,024,000
Seed Crops	25,390,000	19,810,000	24,918,000	31,321,000	29,246,000
Acreage	45,052	34,623	32,396	39,862	50,476
Vegetable Crops	19,370,000	21,351,000	28,293,000	29,823,000	26,850,000
Acreage	9,385	12,230	7,986	10,225	10,251
TOTAL	\$ 545,645,000	\$ 636,379,000	\$ 634,395,000	\$ 741,867,000	\$ 768,279,000

COMPARISON OF CROPS VALUE FOR 1989 AND 1990



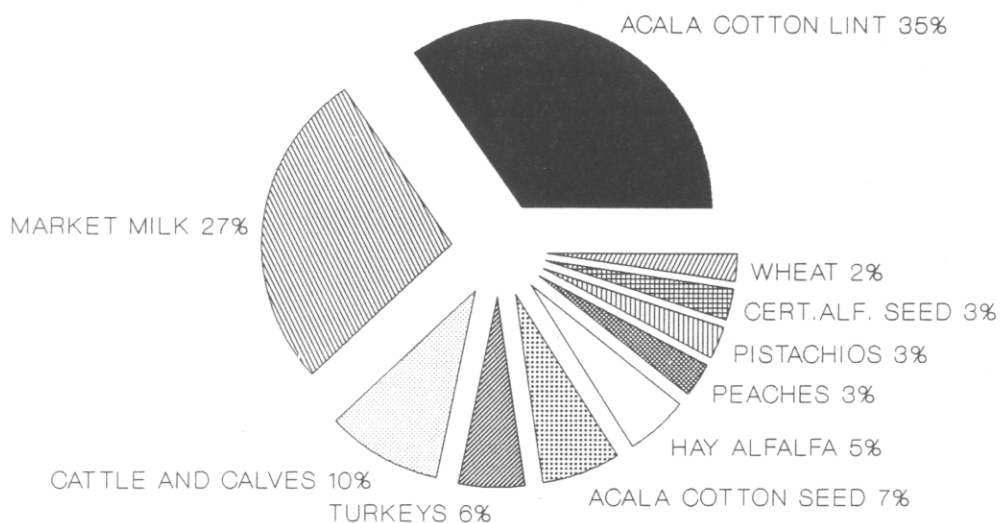
MILLION DOLLAR CROPS - 1990

Acala Cotton Lint	\$213,959,000	Corn Silage	\$5,857,000
Milk Total	169,841,000	Wheat Certified Seed	5,190,000
Cattle and Calves	60,598,000	Processing Tomatoes	4,973,000
Acala Cotton Seed	41,219,000	Almonds	4,590,000
Turkeys	34,778,000	Cantaloupes	3,953,000
Hay Alfalfa	32,912,000	Breeding Stock	3,415,000
Peaches Total	18,118,000	Olives	2,971,000
Pistachios	16,728,000	Manure	1,843,000
Certified Alfalfa Seed	16,582,000	Pollination	1,827,000
Wheat	14,495,000	Kiwifruit	1,653,000
Safflower	12,830,000	Broccoli Total	1,375,000
Grapes	9,988,000	Barley, Certified Seed	1,374,000
Walnuts	8,759,000	Sweet Corn	1,309,000
Barley	8,389,000	Irrigated Pasture	1,308,000
Nectarines	8,317,000	Apricots Total	1,205,000
Plums	8,166,000	Eggs-Chicken, Market	1,194,000
Fresh Tomatoes	8,160,000	Dry Beans	1,161,000
Pima Cotton-lint	8,134,000	Apple Total	1,098,000
		Non-Cert. Alfalfa	1,033,000

1990 CROP SUMMARY

Apiary Products	\$ 2,757,000
Field Crops	348,075,000
Fruit and Nut Crops	84,953,000
Livestock and Poultry	103,374,000
Livestock and Poultry Products	173,024,000
Seed Crops	29,246,000
Vegetable Crops	26,850,000
<hr style="border-top: 1px dashed black;"/>	
GRAND TOTAL	\$768,279,000
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TOP TEN CROPS OF KINGS COUNTY FOR 1990



KINGS COUNTY ANNUAL SUSTAINABLE AGRICULTURAL REPORTING

Pest	Agent/Mechanism	Scope of Program
COUNTY BIOLOGICAL CONTROL		
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformis</u> Seed Head Weevil <u>Microlarinus lareynil</u>	50 sites 50 sites
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 sites
Comstock Mealybug <u>Pseudoccus 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

PEST ERADICATION

Alligatorweed <u>Alternanthera philoxeroides</u>	Fumigation	31 plants destroyed
---	------------	---------------------

ORGANIC FARMING STATISTICS

Crop	# of Farms	Estimated Acres
Cotton	1	80

GENERAL KINGS COUNTY INFORMATION

County Seat	Hanford
County Population (1988)	91,995
Population per Square Mile	66.0
Total Assessed Value (1988)	\$2,440,992,000
Land Area (Square Miles)	1,392
Total Acres	918,790
Number of Farms (1988)	1,187
Land in Farms (Acres - 1988)	808,000
Foreign Ownership (10 parcels - 1989)	5,591 (acres) (value-\$ 2,198,000)
Total Cropland (Acres - 1988)	614,000
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 12th among California counties and 18th among U.S. counties. (Based on 1989 total value.)

Railroads - Santa Fe, Southern Pacific.

Major Roads - Interstate 5, Highway 41, Highway 43 & Highway 198.

Water Sources - Kings River, Tule River, Kaweah River, Kern River, California Aquaduct.

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 frost: November 18.

RAINFALL - HANFORD, CALIFORNIA

YEAR	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	TOTAL
1940-41	0.00	0.00	0.00	0.00	.85	0.00	3.65	1.51	3.90	1.82	2.64	0.00	14.37
1941-42	0.00	0.00	0.00	0.00	.86	.50	3.32	.91	.88	.50	1.19	.16	8.32
1942-43	0.00	0.00	0.00	0.00	0.00	.43	.86	2.74	1.14	3.36	.84	0.00	9.37
1943-44	0.00	0.00	0.00	0.00	.03	.21	1.03	1.30	2.80	.39	.86	.28	6.90
1944-45	0.00	0.00	0.00	.02	.23	2.25	1.05	.27	2.69	1.81	.16	.10	8.58
1945-46	.18	0.00	0.00	.01	.62	1.15	1.61	.34	1.52	2.57	.07	.41	8.48
1946-47	0.00	.11	0.00	0.00	1.49	1.10	1.64	.33	.49	.51	.66	.33	6.66
1947-48	.01	0.00	0.00	0.00	.47	.29	.51	0.00	.43	1.49	1.56	.55	5.31
1948-49	.53	0.00	0.00	0.00	0.00	.03	.01	.99	.51	.85	1.94	.07	4.93
1949-50	0.00	0.00	0.00	0.00	0.00	0.00	.60	.68	1.48	1.13	1.10	.40	5.39
1950-51	.07	0.00	.08	0.00	0.00	.34	.63	1.06	1.24	.76	.22	1.17	5.57
1951-52	.02	0.00	0.00	0.00	.08	1.11	2.39	3.03	.27	2.18	.79	.01	9.88
1952-53	.02	0.00	0.00	.17	.05	.65	2.96	1.10	.27	.34	.83	.29	6.68
1953-54	.08	0.00	0.00	0.00	.02	1.01	.09	1.89	.78	2.21	.52	.34	6.94
1954-55	0.00	0.00	0.00	0.00	0.00	.66	1.61	3.25	1.31	.43	.69	.90	8.85
1955-56	0.00	0.00	0.00	0.00	.02	.92	4.67	1.10	.38	.10	.73	.77	8.69
1956-57	.07	0.00	0.00	0.00	.73	0.00	.15	1.39	1.22	.05	.88	.61	5.10
1957-58	0.00	0.00	0.00	0.00	.20	1.19	1.41	1.85	2.30	3.93	2.38	.24	13.50
1958-59	0.00	0.00	.11	.11	0.00	.23	.16	1.35	1.90	.11	.52	0.00	4.49
1959-60	0.00	0.00	0.00	.11	0.00	0.00	.17	.80	1.71	.61	.57	0.00	3.97
1960-61	0.00	.02	0.00	.53	0.00	2.61	.03	1.34	.22	.67	.22	.37	6.01
1961-62	0.00	0.00	0.00	0.00	0.00	1.11	1.28	.71	4.88	1.06	0.00	.11	9.15
1962-63	0.00	0.00	0.00	.01	.10	0.00	.19	1.19	1.68	1.37	2.88	.56	7.98
1963-64	.17	0.00	0.00	.33	.75	1.23	.31	.61	.02	.94	.64	.20	5.20
1964-65	0.00	0.00	.34	0.00	.95	1.31	1.44	1.18	.33	.33	1.57	0.00	7.45
1965-66	0.00	0.00	.05	.07	.05	2.15	1.97	.63	.71	.10	0.00	.07	5.80
1966-67	.06	.04	0.00	.29	.09	1.28	2.57	1.41	.05	2.42	2.95	.07	11.23
1967-68	.23	0.00	0.00	.31	0.00	1.99	.50	.62	.64	1.00	.50	.08	5.87
1968-69	0.00	0.00	0.00	0.00	1.33	.98	1.64	6.69	4.54	.79	.85	.32	17.14
1969-70	.21	.07	0.00	.15	.05	.51	.70	1.60	1.33	1.42	.14	0.00	6.18
1970-71	0.00	0.00	0.00	0.00	0.00	2.40	1.23	.35	.19	.23	.40	1.44	6.24
1971-72	0.00	0.00	0.00	.04	.06	.41	1.87	.04	.35	0.00	.23	0.00	3.00
1972-73	0.00	0.00	0.00	.24	.21	2.90	.65	2.44	2.29	2.20	.12	0.00	11.05
1973-74	0.00	0.00	0.00	0.00	.76	.46	.94	2.97	.13	1.75	.03	0.00	7.04
1974-75	0.00	0.00	0.00	0.00	.65	.24	1.40	.09	2.26	1.24	.49	0.00	6.37
1975-76	0.00	0.00	0.00	.98	.76	.05	.22	0.00	2.94	.19	1.47	.03	6.64
1976-77	.01	0.00	.22	1.47	0.00	1.15	.96	.96	.03	.43	0.00	.01	5.24
1977-78	.07	0.00	0.00	0.00	.05	.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	.79	.50	1.84	1.61	1.16	.03	0.00	7.03
1979-80	0.00	.04	0.00	.08	.41	.62	.41	2.90	2.71	1.28	.05	.04	8.54
1980-81	0.00	0.00	0.00	0.00	.09	0.00	.21	1.80	.86	2.10	.68	.17	5.91
1981-82	0.00	0.00	0.00	0.00	.76	1.08	.29	.84	.33	3.52	1.75	0.00	8.57
1982-83	.45	.18	0.00	.64	1.03	2.15	.71	3.74	2.59	3.39	1.63	.04	16.55
1983-84	0.00	0.00	.05	.82	.43	1.66	1.22	.01	.42	.27	.18	0.00	5.06
1984-85	0.00	0.00	0.00	.01	.52	1.41	1.66	.59	.61	.68	.12	.01	5.61
1985-86	0.00	.05	0.00	0.00	.54	2.11	.56	1.46	2.60	3.40	.45	0.00	11.17
1986-87	0.00	0.00	0.00	.15	0.00	.21	.77	1.77	2.04	2.02	.06	.13	7.15
1987-88	.05	0.00	0.00	0.00	.86	.72	1.74	1.37	.40	.93	2.65	.07	8.79
1988-89	.06	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	.85	.02	.39	7.99
1989-90	0.00	0.00	0.00	.67	.32	.20	.53	1.79	1.02	.30	.97	.87	6.67
1990-91	0.00	0.00	.66	0.00	.01	.22							
AVERAGE	.05	.01	.03	.17	.33	.91	1.20	1.40	1.44	1.31	.84	.23	7.89
50 YEAR AVERAGE RAINFALL													7.89

AGRICULTURAL CROP REPORT

KINGS COUNTY, CALIFORNIA 1991



KINGS COUNTY
DEPARTMENT OF AGRICULTURE
** PERSONNEL **

AGRICULTURAL COMMISSIONER-SEALER OF WEIGHTS AND MEASURES

M. HUGH HANDLEY

DEPUTY AGRICULTURAL COMMISSIONER/SEALERS

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Stace D. Leoni	Vince Evans	Lynda Schrupf
Robert Torrez	Timmie Bressler	

CLERICAL

Diane O'Daniel Arlene Elsome Sally Navarro

Crop Report Cover: PIMA COTTON:
"THE WORLD'S FINEST COTTON"

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, 1992

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

Gentlemen:

I am pleased to submit the 1991 Agricultural Crop Report, for the acreage, production and value of agricultural crops and products in Kings County, which was compiled in accordance with Section 2279 of the California Food and Agricultural Code.

The gross value of all agricultural crops and products for 1991 was \$738,316,000., down over 48 million dollars (-6.1%) from last year's (1990) record high.

The continued drought with an inadequate water supply for agricultural production, coupled with the severe freeze of December 1990 challenged producers with unfavorable odds.

Most crop categories reflected decreases in value, including field crops (-14.8%), livestock and poultry products (-3.7%) and seed crops (-3.2%).

However, apiary products (+42.7%), livestock and poultry (+5.9%), vegetable crops (+20.1%) and fruit and nut crops (+.89%) reflected substantial increased values.

Cotton continued to be Kings County's main crop with a value of \$244,753,000. including lint and seed.

All figures in this report are gross values and do not indicate net profit received by growers.

This report could not have been possible without the input received from individuals who contributed their time and information. I wish to extend a special thanks to Buzz Felleke of my staff who compiled the report.

Respectfully submitted,

M. Hugh Handley
Agricultural Commissioner
Sealer of Weights and Measures

PIMA COTTON

The history of Pima Cotton started in the late 1600's, when it was introduced by the European settlers in the Sun Belt of the United States. In the late 1700's, Pima Cotton took the status of an important crop in American Agriculture. At the time Sea Island Pima Cotton, which was grown primarily on Hilton Head Island Georgia area, was the finest extra-long staple cotton. Most of it was exported to Europe. However, the Island Cotton didn't produce well due to the short growing season and the boll weevil problem. Later, there were crosses made between the Sea Island and other extra-long staple varieties in Egypt and other countries, and seed was brought back to the United States. In 1912, the first commercial crops of Pima Cotton named after the local Indians was harvested in the Yuma area and Salt River Valley in Arizona.

During World War I the Pima industry expanded to meet the demands for cotton used in the production of war materials such as parachute webbing, gun belts and cotton reinforcing of rubber tires. Pima Cotton was so well suited for use with rubber that in 1920, the Goodyear Tire and Rubber Company of Akron, Ohio, established its own Arizona farms. Other companies, such as Firestone and Dunlop also came into the market.

Over the years, there has been continuing interest to develop a Pima Cotton in specific growing areas. Today, Pima S-6 has the best combination of highest yield, earliest maturity, greatest heat tolerance and longest fiber of any previous variety of extra-long staple cotton.

By the 1940's Pima production had expanded to New Mexico and the El Paso region of west Texas. The San Joaquin Valley of California joined its neighboring state in Pima production in 1989. The increase in acreage of Pima Cotton is due to the increased demand from mills, manufacturers, designers, retailers and consumers for an extra-long staple cotton with a dependable and excellent performance. Pima is the premier cotton for comfortable and fashionable clothing. Its extra-long staple cotton guarantees that it will remain durable and resilient for a prolonged period of wear. Its silky finish makes Pima attractive to the eye and to the touch.

Pima Cotton has had excellent performance and has made Kings County its home with the largest roller gin in California. New varieties are being developed to further adapt to the local environment and soil condition. A new generation of cotton which started three years ago in the San Joaquin Valley captured the interest of cotton growers and has grown strong with future promising success.

ANNUAL CROP REPORT FOR YEAR 1991

KINGS COUNTY DEPARTMENT OF AGRICULTURE

M. HUGH HANDLEY
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

KINGS COUNTY
BOARD OF SUPERVISORS

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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		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Barley	1991	26,701	2.15	57,407	Ton	106.00	6,085,158
	1990	34,666	2.00	69,332	Ton	121.00	\$ 17,814,000
Beans Dry a/	1991	2,640	0.89	2,350	Ton	532.00	1,249,987
	1990	1,819	1.12	2,037	Ton	570.00	1,161,250
Corn Silage	1991	19,074	22.55	430,119	Ton	16.00	6,881,899
	1990	13,293	23.19	308,265	Ton	19.00	5,857,029
Cotton							
Acala-Lint b/	1991	218,335	2.39	521,821	495 lb	378.00	197,248,206
	1990	245,763	2.40	589,831	495 lb	386.00	227,674,843
Acala-Seed	1991			214,968	Ton	140.00	30,095,520
	1990			228,992	Ton	180.00	41,218,560
Cotton	1991	15,490	2.03	31,445	495 lb.	500.00	15,722,350
Pima-Lint b/	1990	6,670	2.17	14,474	495 lb.	652.00	9,436,983
Pima-Seed	1991			12,969	Ton	130.00	1,685,970
	1990			5,961	Ton	160.00	953,760
Hay							
Alfalfa	1991	39,982	7.53	301,064	Ton	83.00	24,988,350
	1990	38,257	8.04	307,586	Ton	107.00	32,911,732
Other c/	1991	1,100	3.75	4,125	Ton	57.00	235,125
	1990	1,285	3.90	5,012	Ton	85.00	425,978
Pasture							
Irrigated	1991	11,000			Acre	107.00	1,177,000
	1990	12,500			Acre	108.00	1,350,000
Range	1991	100,000			Acre	2.00	200,000
	1990	150,000			Acre	2.00	300,000
Alfalfa	1991	47,000			Acre	20.00	940,000
Stubble	1990	52,000			Acre	19.00	988,000
Safflower	1991	34,734	1.20	41,681	Ton	249.00	10,378,519
	1990	35,734	1.36	48,598	Ton	264.00	12,829,935
Sugar Beets	1991	5,488	20.61	113,108	Ton	35.00	3,958,769
	1990	659	29.26	19,282	Ton	32.51	626,869

FIELD CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Wheat	1991	27,323	2.57	70,220	Ton	\$ 102.00	\$ 7,162,000
	1990	41,596	3.13	130,195	Ton	138.28	18,003,000
Other d/	1991	12,664					4,368,000
	1990	8,763					4,352,000
TOTAL	1991	561,531					\$ 312,378,000
	1990	643,005					366,480,000 **

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, millet, screening, straw, sudangrass wheat silage, and winter forage.

** Revised

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Alfalfa							
Certified	1991	16,568	768	12,724,224	lb.	\$ 1.40	\$ 17,814,000
	1990	22,016	538	11,844,608	lb.	1.40	16,582,000
Non-certified	1991	1,300	712	925,600	lb.	1.06	981,000
	1990	1,600	538	860,800	lb.	1.20	1,033,000
Total	1991	17,868		13,649,824	lb.		18,795,000
	1990	23,616		12,705,408	lb.		17,615,000
Barley, Certified	1991	2,014	5,240	10,553,360	lb.	0.05	528,000
	1990	3,927	5,000	19,635,000	lb.	0.07	1,374,000
Cotton, Certified a/	1991	4,594		3,715	Ton	209.00	776,000
	1990	6,593		3,436	Ton	214.00	735,000

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		VALUE			
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Wheat, Certified	1991	12,908	6,120	78,996,960	lb.	\$ 0.05	\$ 3,950,000
	1990	15,229	4,260	64,875,540	lb.	0.08	5,190,000
Vegetable b/	1991	304					570,000
	1990	314					438,000
Other c/	1991	915					3,681,000
	1990	523					3,229,000
TOTAL	1991	38,603					\$ 28,300,000
	1990	50,202					28,581,000

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

b/ Cauliflower, chinese cabbage, lettuce, onion, turnip, and watermelon.

c/ Garbanzo beans, flowers, oats, and turf.

FRUIT AND NUT CROPS

CROP	YEAR	BEARING PRODUCTION		VALUE			
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Almonds	1991	1,900	0.63	1,197	Ton	\$ 2,252.00	\$ 1,255,000
	1990	3,061	0.76	2,326	Ton	1,973.00	4,590,000
Almond Hulls	1991			1,071	Ton	68.00	73,000
	1990			1,045	Ton	72.00	75,000
Apples Fresh	1991			1,579	Ton	741.00	1,170,000
	1990			1,769	Ton	569.00	1,007,000
Processed	1991			1,364	Ton	124.00	169,000
	1990			1,258	Ton	72.00	91,000
Apples Total	1991	327	9.00	2,943	Ton		1,339,000
	1990	252	7.02	1,769	Ton		1,098,000

FRUIT AND NUT CROPS

CROP	YEAR	BEARING		PRODUCTION		VALUE	
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Apricots							
Fresh	1991			1,094	Ton	\$ 1,147.00	\$ 1,255,000
	1990			1,439	Ton	831.00	1,196,000
Processed	1991			274	Ton	165.00	45,000
	1990			360	Ton	150.00	54,000
Apricots Total	1991	262	5.22	1,368	Ton		1,300,000
	1990	250	7.20	1,800	Ton		1,250,000
Firewood a/							
	1991			630	Cord	100.00	63,000
	1990			600	Cord	105.00	63,000
Grapes							
Raisin Varieties							
Fresh	1991			2,950	Ton	760.00	2,242,000
Dried				1,920	Ton	975.00	1,872,000
Crushed				8,757	Ton	148.00	1,296,000
Canned				980	Ton	220.00	215,600
Total		2,800		14,607			5,625,600
Grapes							
Raisin Varieties							
Fresh	1990			2,126	Ton	922.00	1,960,000
Dried				1,814	Ton	900.00	1,633,000
Crushed				8,239	Ton	126.00	1,038,000
Canned				855	Ton	214.00	183,000
Total		2,500		13,034			4,814,000
Table Varieties							
	1991	531	8.01	4,253	Ton	833.00	3,543,000
	1990	491	8.65	4,247	Ton	864.00	3,670,000
Wine Varieties							
	1991	1,111	9.11	10,121	Ton	147.00	1,488,000
	1990	1,111	8.74	9,710	Ton	155.00	1,505,000
Grapes Total	1991	4,442					10,657,000
	1990	4,102					9,989,000 **
Kiwifruit							
	1991	315	3.09	973	Ton	1,571.00	1,529,000
	1990	315	4.08	1,285	Ton	1,286.00	1,653,000
				0			
Nectarines							
	1991	1,990	7.42	14,766	Ton	755.00	11,148,000
	1990	1,414	7.58	10,718	Ton	776.00	8,317,000

FRUIT AND NUT CROPS

CROP	YEAR	BEARING		PRODUCTION		VALUE	
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Olives	1991	427	2.60	1,110	Ton	\$ 606.00	\$ 673,000
	1990	1,142	4.89	5,584	Ton	532.00	2,971,000
Peaches							
Clingstone	1991	1,298	15.70	20,379	Ton	219.00	4,463,000
	1990	959	18.39	17,636	Ton	187.00	3,298,000
Freestone	1991	2,659	10.72	28,504	Ton	546.00	15,563,000
	1990	2,064	9.17	18,927	Ton	783.00	14,820,000
Peaches Total	1991	3,957					20,026,000
	1990	3,023					18,118,000
Pistachios	1991	5,682	0.81	4,602	Ton	2,670.00	12,288,000
	1990	5,218	1.38	7,201	Ton	2,323.00	16,728,000
Plums	1991	1,990	5.21	10,368	Ton	668.00	6,926,000
	1990	1,794	5.19	9,311	Ton	877.00	8,166,000
Pomegranates	1991	349	2.50	873	Ton	1,312.00	1,145,000
	1990	347	2.06	715	Ton	872.00	623,000
Walnuts	1991	5,898	1.99	11,737	Ton	1,140.00	13,380,000
	1990	4,978	1.71	8,512	Ton	1,029.00	8,759,000
Other b/	1991	501					1,647,000
	1990	386					1,779,000
Other c/	1991						850,000
	1990						.800,000
TOTAL	1991	28,040					\$ 85,739,000
	1990	26,282					84,979,000 **

a/ Includes all varieties.

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

c/ Black walnut stumps.

**Revised

VEGETABLE CROPS

CROP	YEAR	HARVESTED PRODUCTION		VALUE			
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Broccoli							
Fresh	1991			4,635	Ton	\$ 860.00	\$ 3,986,000
	1990			2,484	Ton	500.00	1,242,000
Processed	1991			360	Ton	380.00	137,000
	1990			360	Ton	370.00	133,000
Broccoli Total	1991	1,030	4.60				4,123,000
	1990	552	4.50				1,375,000
Cantaloupes	1991	2,551	11.60	29,592	Ton	188.00	5,563,000
	1990	1,485	10.48	15,563	Ton	254.00	3,953,000
Sweet Corn	1991	142	6.20	880	Ton	200.00	176,000
	1990	573	10.53	6,034	Ton	217.00	1,309,000
Tomatoes							
Fresh	1991	800	25.00	20,000	Ton	350.00	7,000,000
	1990	1,200	20.00	24,000	Ton	340.00	8,160,000
Processed	1991	7,500	28.40	213,000	Ton	54.00	11,502,000
	1990	3,300	27.30	99,090	Ton	55.20	4,973,000
Tomatoes Total	1991	8,300					18,502,000
	1990	4,500					13,133,000
Other a/	1991	2,430					5,506,000
	1990	3,141					7,088,000
TOTAL	1991	14,453					\$ 33,870,000
	1990	10,251					26,858,000 **

a/ Includes Asparagus, chinese cabbage, eggplants, misc. melons, peanuts, processed carrots, processed garlic, snap beans, squash, watermelon.

** Revised

INVENTORIES OF LIVESTOCK AND POULTRY

ITEM	January 1, 1992	January 1, 1991
	NUMBER OF HEAD	NUMBER OF HEAD
Cattle and Calves		
All	210,000	222,000
Dairy Cows 2 Years and Over	86,000	87,000
Cattle and Calves on Feed	3,500	3,900
Other	128,500	128,500
Sheep and Lambs	17,000	19,000
Goats	1,700	1,400
Hogs and Pigs	5,900	5,900
Turkeys	850,000	800,000

LIVESTOCK AND POULTRY

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Breeding	1991					\$ 1,344,000
Stock a/	1990					3,415,000
Cattle and Calves	1991	140,843	857,734	Cwt.	\$ 70.38	60,367,000
	1990	141,841	861,619	Cwt.	70.33	60,598,000
Hogs and Pigs	1991	9,346	19,533	Cwt.	50.02	977,000
	1990	8,500	18,275	Cwt.	47.00	859,000
Sheep and Lambs	1991	12,812	14,478	Cwt.	59.00	854,000
	1990	9,522	10,664	Cwt.	66.00	704,000
Turkeys	1991	3,402,617	79,893,447	lb.	0.55	43,941,000
	1990	3,200,315	72,455,131	lb.	.48	34,778,000
Other b/	1991					2,018,000
	1990					3,020,000
TOTAL	1991					\$ 109,501,000
	1990					103,374,000

a/ For All Animals Except Horses.

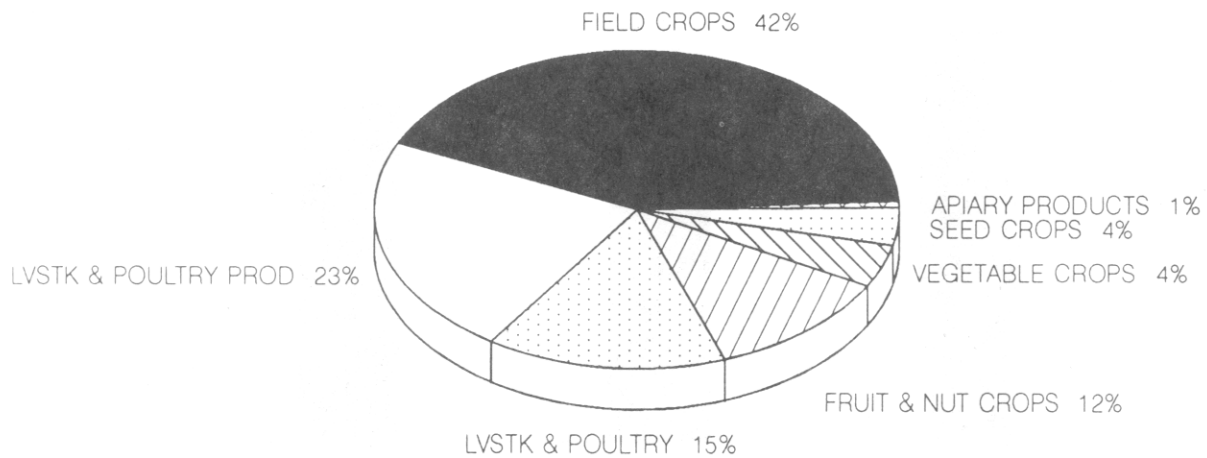
b/ Includes Catfish, Chickens, and Goats.

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
Eggs-Chicken Market	1991	1,988,780	Doz.	\$ 0.80	\$ 1,591,000
	1990	1,492,824	Doz.	0.80	1,194,000
Manure	1991	354,455	Ton	4.32	1,531,000
	1990	302,080	Ton	6.10	1,843,000
Milk					
Milk, Goats	1991	15,417	Cwt.	27.03	417,000
	1990	12,647	Cwt.	25.37	321,000
Market	1991	14,801,506	Cwt.	10.93	161,780,000
	1990	14,415,544	Cwt.	11.72	168,950,000
Manufacturing	1991	75,896	Cwt.	10.44	792,000
	1990	51,651	Cwt.	11.04	570,000
Milk Total	1991	14,892,819			162,989,000
	1990	14,479,842			169,841,000
Wool	1991	133,245	lb.	0.70 *	93,000
	1990	99,028	lb.	0.78 *	77,000
TOTAL	1991				\$ 166,204,000
	1990				172,955,000

* Not including wool incentive payment.

KINGS COUNTY 1991 TOTAL CROP VALUE

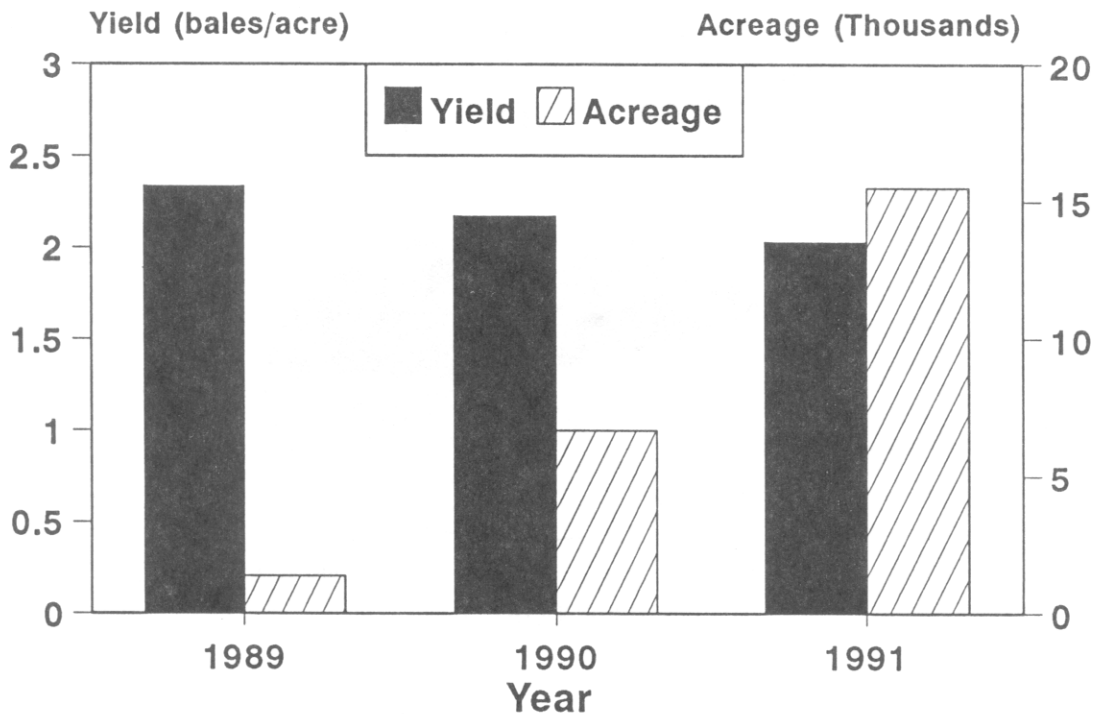


APIARY PRODUCTS

ITEM	YEAR	TOTAL PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
Apiary Products					
Honey	1991	3,442,985	lb.	\$.66	\$ 2,272,000
	1990	1,559,840	lb.	.58	905,000
Beeswax	1991	57,383	lb.	1.00	57,000
	1990	25,997	lb.	.95	25,000
Pollination					
Seed Alfalfa	1991	60,633	Colonies	22.00	1,334,000
	1990	66,048	Colonies	23.00	1,519,000
Tree Fruit a/	1991	7,222	Colonies	30.00	217,000
	1990	9,716	Colonies	28.51	277,000
Cantaloupe	1991	3,827	Colonies	14.00	54,000
	1990	2,228	Colonies	14.00	31,000
TOTAL	1991				\$ 3,934,000
	1990				2,757,000

a/ Almonds and Plums.

PIMA COTTON YIELD & HARVESTED ACRES

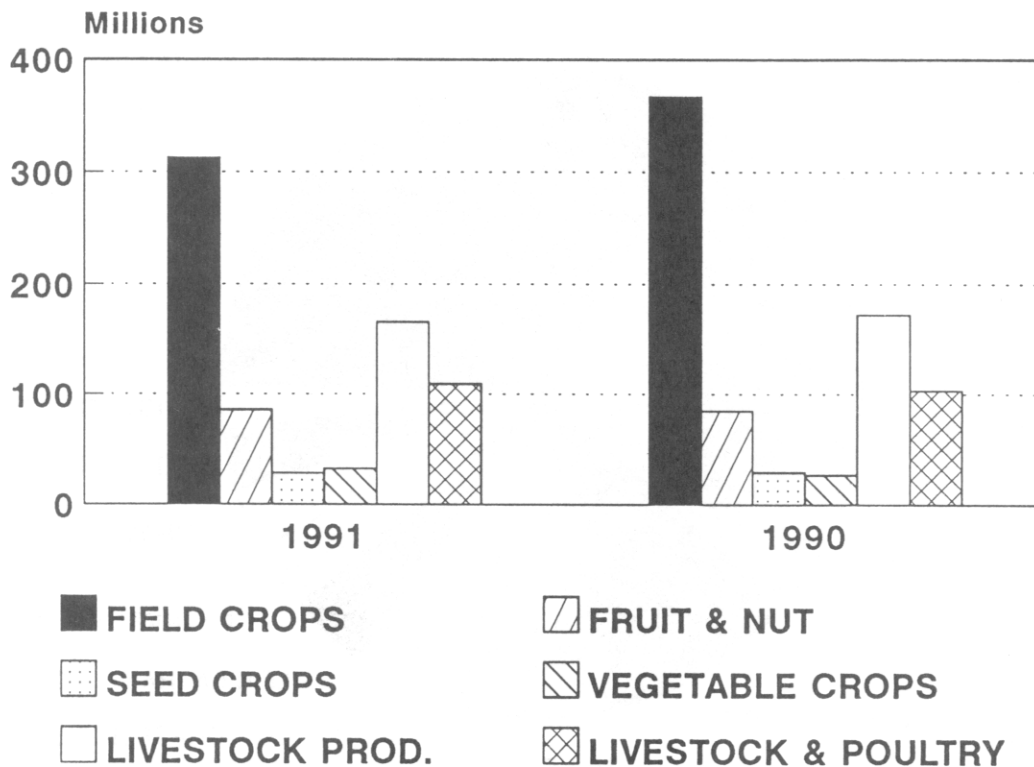


FIVE YEAR COMPARISON OF ACREAGE AND CROP VALUE

	1987	1988	1989	1990	1991
Apiary Products	3,129,000	2,991,000	2,168,000	2,757,000	3,934,000
Field Crops	336,001,000	290,385,000	351,926,000	366,480,000	312,378,000
Acreage	645,314	618,026	632,968	621,762	561,531
Fruit and Nut Crops	53,537,000	75,361,000	67,970,000	84,979,000	85,739,000
Acreage	24,522	23,555	23,555	25,990	28,040
Livestock and Poultry	69,265,000	79,913,000	98,050,000	103,374,000	109,501,000
Livestock and Poultry Products	133,286,000	131,004,000	161,825,000	172,625,000	166,204,000
Seed Crops	19,810,000	24,918,000	31,321,000	29,246,000	28,300,000
Acreage	34,623	32,396	39,862	50,476	38,603
Vegetable Crops	21,351,000	28,293,000	29,823,000	26,858,000	32,260,000
Acreage	12,230	7,986	7,986	10,251	14,453
TOTAL	\$ 636,379,000	\$ 632,865,000	\$ 743,083,000	\$ 786,319,000 *	\$ 738,316,000

* Revised

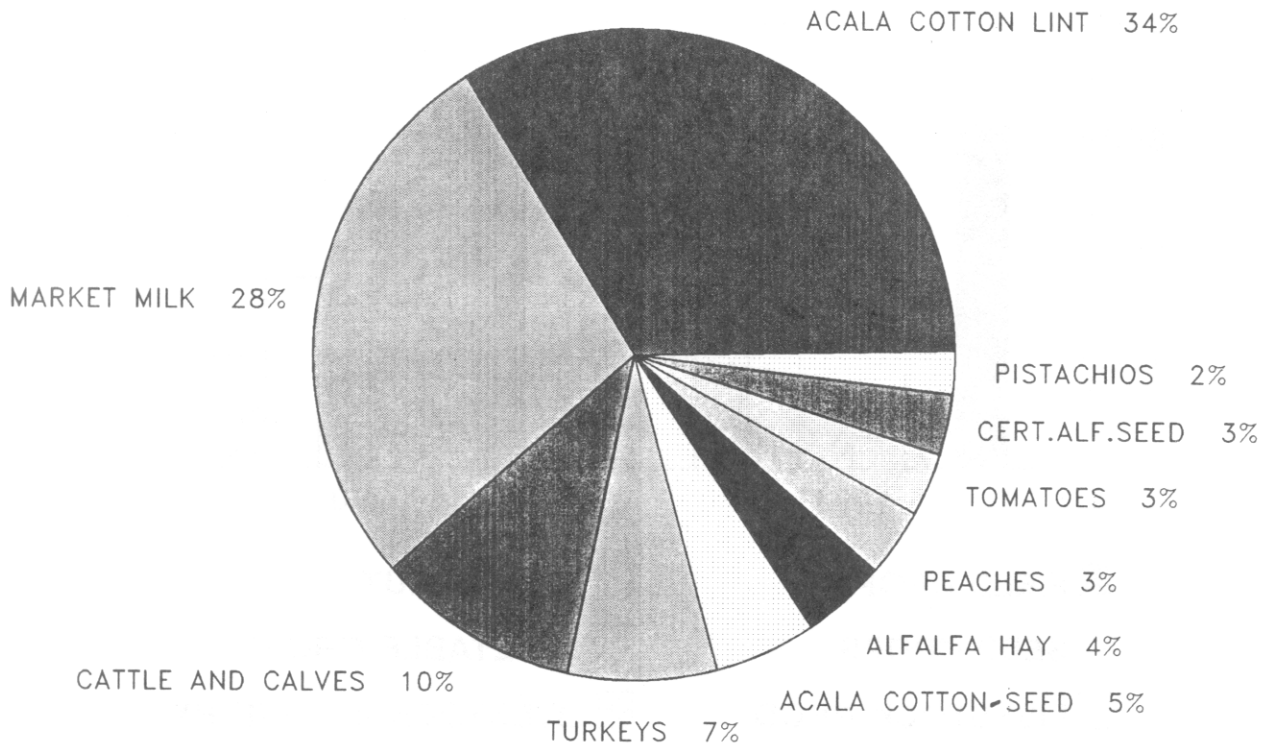
COMPARISON OF CROP VALUES FOR 1991 AND 1990



KINGS COUNTY TEN LEADING CROPS

CROP	1991 RANK	1991 DOLLAR VALUE	1990 RANK	1989 RANK	1988 RANK
Alcala Cotton Lint	1	197,248,000	1	1	1
Milk Total	2	162,989,000	2	2	2
Cattle and Calves	3	60,367,000	3	3	3
Turkey	4	43,941,000	5	5	5
Acala Cotton Seed	5	30,096,000	4	4	4
Hay Alfalfa	6	24,988,000	6	6	7
Peaches Total	7	20,026,000	7	8	5
Tomatoes Total	8	18,502,000	11	11	8
Cert. Alfalfa Seed	9	17,814,000	9	10	10
Pistachios	10	12,287,000	8	15	12

TOP TEN CROPS OF KINGS COUNTY FOR 1991



KINGS COUNTY ANNUAL SUSTAINABLE AGRICULTURAL REPORTING

Pest	Agent/Mechanism	Scope of Program
COUNTY BIOLOGICAL CONTROL		
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformis</u> Seed Head Weevil <u>Microlarinus lareynil</u>	Generally distributed Generally distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 sites
Comstock Mealybug <u>Pseudococcus comstocki</u>	Parasitic Wasps <u>Pseudathycus malimus</u> <u>Allotropia burrelli</u> <u>Allotropia 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>	4 sites
<u>COUNTY PEST ERADICATION</u>		
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	233,825 acres
COUNTY PEST EXCLUSION		
European Corn Borer <u>Ostrinia nubilalis</u>	Railroad Corn Shipments	1,606 inspections
Various	Truck Shipments	1,502 inspections
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	81 inspections
COUNTY PEST DETECTION		
Various Insect Pests	Various Detection Insect Traps	1,472 traps
ORGANIC FARMING STATISTICS		
Crop	Number of Farms	Estimated Acres
Broccoli	1	5
Cantalope	1	15
Cotton	1	80
Honeydew	1	15
Walnut	1	20
Watermelon	1	7

GENERAL KINGS COUNTY INFORMATION

County Seat	Hanford
County Population (1991)	104,432
Population per Square Mile	66.0
Total Assessed Value (1990)	\$2,477,722,000
Land Area (Square Miles)	1,396
Total Acres	918,790
Number of Farms (1988)	1,187
Land in Farms (Acres - 1988)	808,000
Foreign Ownership (10 parcels - 1990)	7,284 (acres) (value-\$ 2,198,000)
Total Cropland (Acres - 1988)	614,000
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 12th among California counties and 18th among U.S. counties. (Based on 1989 total value.)

Railroads - Santa Fe, Southern Pacific.

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 frost: November 18.

RAINFALL — HANFORD, CALIFORNIA

YEAR	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	TOTAL
1942-43	0.00	0.00	0.00	0.00	0.00	0.43	0.86	2.74	1.14	3.36	0.84	0.00	9.37
1943-44	0.00	0.00	0.00	0.00	0.03	0.21	1.03	1.30	2.80	0.39	0.86	0.28	6.90
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						
AVERAGE	0.05	0.01	0.03	0.17	0.30	0.90	1.09	1.36	1.37	1.39	0.77	0.24	7.64
50 YEAR AVERAGE RAINFALL													7.64



AGRICULTURAL CROP REPORT

KINGS COUNTY, CALIFORNIA 1992

KINGS COUNTY
AGRICULTURAL COMMISSIONER/SEALER

**** PERSONNEL ****

AGRICULTURAL COMMISSIONER/SEALER OF WEIGHTS AND MEASURES

M. HUGH HANDLEY

DEPUTY AGRICULTURAL COMMISSIONER/SEALERS

Leland P. Tos Dennis F. Bray Susan Johnson

AGRICULTURAL AND STANDARDS INSPECTORS

Bernard Costa	Kaaren Anderson	Buzz Felleke
Lloyd Bookout	Stephanie Colvin	Steven Schweizer
Alfredo Prieto	Jim Dodd	Stephanie LeBarron
Michael Leoni	Tim Niswander	Leonard Herrera
Mark Bevens	Vince Evans	Lynda Schrupf
Robert Torrez	Timmie Bressler	

CLERICAL

Diane O'Daniel	Arlene Elsome	Juanita Rodriguez
Catherine Asby	Linda Green	Sally Navarro

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COUNTY OF KINGS



AGRICULTURAL COMMISSIONER SEALER OF WEIGHTS AND MEASURES

M. Hugh Handley
Agricultural Commissioner
Sealer Of Weights And Measures

680 N. Campus Drive
April 1, 1993

Hanford, California 93230

(209) 582-3211 Ext. 2830

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

Gentlemen:

It is my pleasure to submit the 1992 Agricultural Crop Report, which includes the production and value of agricultural commodities for 1992 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 1992 was \$775,857,000., an increase of \$37,541,000. (+5.08%) from last year's (1991) value.

The increased values were reflected in only three (3) crop categories; field crops (+14.1%), livestock and poultry products (+11.8%), and apiary products (+7.5%). Other crop categories reflected decreased values and include fruit and nut crops (-8.17%), livestock and poultry (-11.05%), seed crops (-15.75%) and vegetable crops (-8.74%).

Cotton, Kings County's leading crop continued to lead all others with a value of \$293,565,000, 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 who compiled the report.

Respectfully Submitted,

M. Hugh Handley
Agricultural Commissioner
Sealer of Weights and Measures

ALFALFA

Alfalfa, Medicago sativa is an herbaceous perennial legume which originated in Southwest Asia. Related species of alfalfa are found as wild plants scattered over central Asia and Siberia. It is believed that alfalfa was first cultivated in Iran. Alfalfa seed was taken by the early Spanish explorers to Central and South America and in 1736 it was reported that the first attempts to grow alfalfa in the United States were in Georgia. During the gold rush days, the gold seekers from Chile brought alfalfa to California and it spread rapidly to Utah, Kansas and later to the eastern states.

Alfalfa has remarkable adaptability to various climate and soil conditions. The alfalfa plant makes its best growth in relatively dry climates where water is available for irrigation. It will withstand long periods of drought due to a very deep root system, but production is limited under such conditions. Alfalfa is now grown successfully not only in the central and eastern United States, but also in the South. Alfalfa tolerates extreme heat and cold. The yellow-flowered alfalfa, faliata L, has survived temperatures below -27°C in Alaska and nonhardy types are grown in Death Valley, California. Alfalfa is best adapted to loam soils and porous subsoil. Alfalfa has spread to the more humid eastern United States in recent years with the increased knowledge of the requirements for lime, for inoculation with nitrogen-fixing bacteria, for certain plant nutrients and also for the breeding of hardy and disease-resistant varieties.

Alfalfa is one of the most important forage crops in the United States and sometimes is called the "Queen of the Forages". It has the highest feeding value because it produces more protein per acre than other crops for livestock. Alfalfa is high in mineral content, contains at least 10 different vitamins and is considered an important source of vitamin A. Alfalfa is widely used as a pasture for cattle and sheep. Over 90% of the alfalfa meal is pelleted, which is easy to store and easy to handle mechanically.

Alfalfa production has remained consistent in Kings County even in years of low hay prices. Because of the significance of the dairy industry, alfalfa will continue to be an important forage crop for Kings County producers.

ANNUAL CROP REPORT FOR YEAR 1992

KINGS COUNTY DEPARTMENT OF AGRICULTURE
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 OFFICE
MILTON D. McCOY

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FIELD CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Barley	1992	17,548	2.12	37,202	Ton	120.00	4,464,000
	1991	26,701	2.15	57,407	Ton	106.00	6,085,000
Beans Dry a/	1992	2,500	1.19	2,975	Ton	519.00	1,544,000
	1991	2,640	0.89	2,350	Ton	532.00	1,250,000
Corn Silage	1992	21,962	22.93	503,589	Ton	16.25	8,183,000
	1991	19,074	22.55	430,119	Ton	16.00	6,882,000
Cotton							
Acala-Lint b/	1992	234,065	2.94	688,151	495 lb	331.00	227,778,000
	1991	218,335	2.39	521,821	495 lb	378.00	197,248,000
Acala-Seed	1992			284,219	Ton	142.00	40,359,000
	1991			214,968	Ton	140.00	30,096,000
Cotton Pima-Lint b/	1992	20,740	2.69	55,791	495 lb.	401.00	22,372,000
	1991	15,490	2.03	31,445	495 lb.	500.00	15,722,000
Pima-Seed	1992			22,989	Ton	133.00	3,056,000
	1991			12,969	Ton	130.00	1,686,000
Hay							
Alfalfa	1992	32,138	7.49	240,714	Ton	70.73	17,026,000
	1991	39,982	7.53	301,064	Ton	83.00	24,988,000
Other c/	1992	1,200	2.82	3,384	Ton	50.00	169,000
	1991	1,100	3.75	4,125	Ton	57.00	235,000
Pasture							
Irrigated	1992	10,000			Acre	105.00	1,050,000
	1991	11,000			Acre	107.00	1,177,000
Range	1992	90,000			Acre	2.00	180,000
	1991	100,000			Acre	2.00	200,000
Alfalfa Stubble	1992	42,000			Acre	21.00	882,000
	1991	47,000			Acre	20.00	940,000
Safflower	1992	32,000	1.24	39,680	Ton	312.00	12,380,000
	1991	34,734	1.20	41,681	Ton	249.00	10,379,000
Sugar Beets	1992	4,457	13.00	57,941	Ton	38.00	2,202,000
	1991	5,488	20.61	113,108	Ton	35.00	3,959,000

FIELD CROPS

CROP	YEAR	HARVESTED PRODUCTION		UNIT	VALUE		
		ACREAGE	PER ACRE		PER ACRE	TOTAL	PER UNIT
Wheat	1992	32,000	3.01	96,320	Ton	103.00	9,921,000
	1991	27,323	2.57	70,220	Ton	102.00	7,162,000
Other d/	1992	14,000					4,844,000
	1991	12,664					4,368,000
TOTAL	1992	554,610					356,410,000
	1991	561,531					312,378,000

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, millet, screening, straw, sudangrass wheat silage, and winter forage.

** Revised

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		UNIT	VALUE		
		ACREAGE	PER ACRE		PER ACRE	TOTAL	PER UNIT
Alfalfa							
Certified	1992	10,963	703	7,706,989	lb.	1.32	10,173,000
	1991	16,568	768	12,724,224	lb.	1.40	17,814,000
Non-certified	1992	1,200	703	843,600	lb.	1.15	970,000
	1991	1,300	712	925,600	lb.	1.06	981,000
Total	1992	12,163		8,550,589	lb.		11,143,000
	1991	17,868		13,649,824	lb.		18,795,000
Barley, Certified	1992	1,800	4,000	7,200,000	lb.	0.05	360,000
	1991	2,014	5,240	10,553,360	lb.	0.05	528,000
Cotton, Certified a/	1992	5,056		4,918	Ton	194.00	954,000
	1991	4,594		3,715	Ton	209.00	776,000

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Wheat, Certified	1992	12,300	6,080	74,784,000	lb.	0.10	7,478,000
	1991	12,908	6,120	78,996,960	lb.	0.05	3,950,000
Vegetable b/	1992	261					657,000
	1991	304					570,000
Other c/	1992	690					3,251,000
	1991	915					3,681,000
TOTAL	1992	32,270					23,843,000
	1991	38,603					28,300,000

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

b/ Cauliflower, chinese cabbage, lettuce, onion, turnip, and watermelon.

c/ Garbanzo beans, flowers, oats, and turf.

FRUIT AND NUT CROPS

CROP	YEAR	BEARING PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Almonds	1992	1,908	0.66	1,259	Ton	2,321.00	2,923,000
	1991	1,900	0.63	1,197	Ton	2,252.00	2,696,000
Almond Hulls	1992			1,230	Ton	57.00	70,000
	1991			1,071	Ton	68.00	73,000
Apples Fresh	1992			1,782	Ton	973.00	1,734,000
	1991			1,579	Ton	741.00	1,170,000
Processed	1992			1,743	Ton	102.00	178,000
	1991			1,364	Ton	124.00	169,000
Apples Total	1992	327	10.78	3,525	Ton		1,912,000
	1991	327	9.00	2,943	Ton		1,339,000

FRUIT AND NUT CROPS

CROP	YEAR	BEARING PRODUCTION		UNIT	VALUE		
		ACREAGE	PER ACRE		TOTAL	PER UNIT	TOTAL
Apricots							
Fresh	1992			921	Ton	982.00	904,000
	1991			1,094	Ton	1,147.00	1,255,000
Processed	1992			307	Ton	210.00	64,000
	1991			274	Ton	165.00	45,000
Apricots Total	1992	262	4.69	1,228	Ton		968,000
	1991	262	5.22	1,368	Ton		1,300,000
Firewood a/							
	1992			490	Cord	100.00	49,000
	1991			630	Cord	100.00	63,000
Grapes							
Raisin Varieties							
Fresh	1992			1,504	Ton	680.00	1,023,000
Dried				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					3,658,000
Grapes							
Raisin Varieties							
Fresh	1991			2,950	Ton	760.00	2,242,000
Dried				1,920	Ton	975.00	1,872,000
Crushed				8,757	Ton	148.00	1,296,000
Canned				980	Ton	220.00	215,000
Total		2,800		14,607			5,625,000
Table Varieties							
	1992	628	9.69	6,085	Ton	760.00	4,625,000
	1991	531	8.01	4,253	Ton	833.00	3,543,000
Wine Varieties							
	1992	1,288	8.69	11,193	Ton	205.00	2,295,000
	1991	1,111	9.11	10,121	Ton	147.00	1,488,000
Grapes Total	1992	3,875					10,578,000
	1991	4,442					10,657,000 **
Kiwifruit							
	1992	244	3.80	927	Ton	1,428.00	1,324,000
	1991	315	3.09	973	Ton	1,571.00	1,529,000
Nectarines							
	1992	1,996	7.68	15,329	Ton	689.00	10,562,000
	1991	1,990	7.42	14,766	Ton	755.00	11,148,000

FRUIT AND NUT CROPS

CROP	YEAR	BEARING PRODUCTION			UNIT	VALUE	
		ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
Olives	1992	526	3.06	1,610	Ton	601.00	967,000
	1991	427	2.60	1,110	Ton	606.00	673,000
Peaches							
Clingstone	1992	1,290	17.43	22,485	Ton	213.00	4,789,000
	1991	1,298	15.70	20,379	Ton	219.00	4,463,000
Freestone	1992	2,690	8.65	23,269	Ton	462.00	10,750,000
	1991	2,659	10.72	28,504	Ton	546.00	15,563,000
Peaches Total	1992	3,980					15,539,000
	1991	3,957					20,026,000
Pistachios	1992	5,597	0.72	4,030	Ton	3,035.00	12,231,000
	1991	5,682	0.81	4,602	Ton	2,670.00	12,288,000
Plums	1992	1,910	6.04	11,536	Ton	341.00	3,934,000
	1991	1,990	5.21	10,368	Ton	668.00	6,926,000
Pomegranates	1992	340	2.40	816	Ton	1,324.00	1,080,000
	1991	349	2.50	873	Ton	1,312.00	1,145,000
Walnuts	1992	5,890	1.71	10,072	Ton	1,438.00	14,483,000
	1991	5,898	1.99	11,737	Ton	1,140.00	13,380,000
Other b/	1992	422					1,314,000
	1991	501					1,647,000
Other c/	1992						800,000
	1991						850,000
TOTAL	1992	27,277					78,734,000
	1991	28,040					85,739,000 **

a/ Includes all varieties.

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

c/ Black walnut stumps.

**Revised

VEGETABLE CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Broccoli							
Fresh	1992			2,928	Ton	680.00	1,991,000
	1991			4,635	Ton	860.00	3,986,000
Processed	1992			320	Ton	360.00	115,000
	1991			360	Ton	380.00	137,000
Broccoli Total							
	1992	850	5.60				2,106,000
	1991	1,030	4.60				4,123,000
Cantaloupes							
	1992	1,727	12.60	21,760	Ton	203.00	4,417,000
	1991	2,551	11.60	29,592	Ton	188.00	5,563,000
Sweet Corn							
	1992	140	7.48	1,047	Ton	205.00	215,000
	1991	142	6.20	880	Ton	200.00	176,000
Tomatoes							
Fresh	1992	850	26.90	22,865	Ton	351.00	8,026,000
	1991	800	25.00	20,000	Ton	350.00	7,000,000
Processed	1992	3,370	30.00	101,100	Ton	56.00	5,662,000
	1991	7,500	28.40	213,000	Ton	54.00	11,502,000
Tomatoes Total							
	1992	5,020		123,965			13,688,000
	1991	8,300		233,000			18,502,000
Other a/							
	1992	2,219					9,013,000
	1991	2,430					5,506,000
TOTAL							
	1992	9,956					29,439,000
	1991	14,453					33,870,000 **

a/ Includes Asparagus, chinese cabbage, eggplant, misc. melons, processed carrots, processed garlic, snap beans, squash, watermelon.

** Revised

INVENTORIES OF LIVESTOCK AND POULTRY

ITEM	January 1, 1993 NUMBER OF HEAD	January 1, 1992 NUMBER OF HEAD
Cattle and Calves		
All	195,000	210,000
Dairy Cows 2 Years and Over	83,000	86,000
Cattle and Calves on Feed	3,000	3,500
Other	128,000	128,500
Sheep and Lambs	14,000	17,000
Goats	1,900	1,700
Hogs and Pigs	6,300	5,900
Turkeys	541,000	850,000

LIVESTOCK AND POULTRY

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NUMBER OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Breeding	1992					1,512,000
Stock a/	1991					1,344,000
Cattle and Calves	1992	158,668	966,288	Cwt.	67.15	64,886,000
	1991	140,843	857,734	Cwt.	70.38	60,367,000
Hogs and Pigs	1992	10,429	23,570	Cwt.	42.00	990,000
	1991	9,346	19,533	Cwt.	50.02	977,000
Sheep and Lambs	1992	12,729	14,384	Cwt.	74.00	1,064,000
	1991	12,812	14,478	Cwt.	59.00	854,000
Turkeys	1992	2,162,616	44,203,871	lb.	0.38	16,797,000
	1991	3,402,617	79,893,447	lb.	0.55	43,941,000
Other b/	1992					12,150,000
	1991					2,018,000
TOTAL	1992					97,399,000
	1991					109,501,000

a/ For All animals except horses.

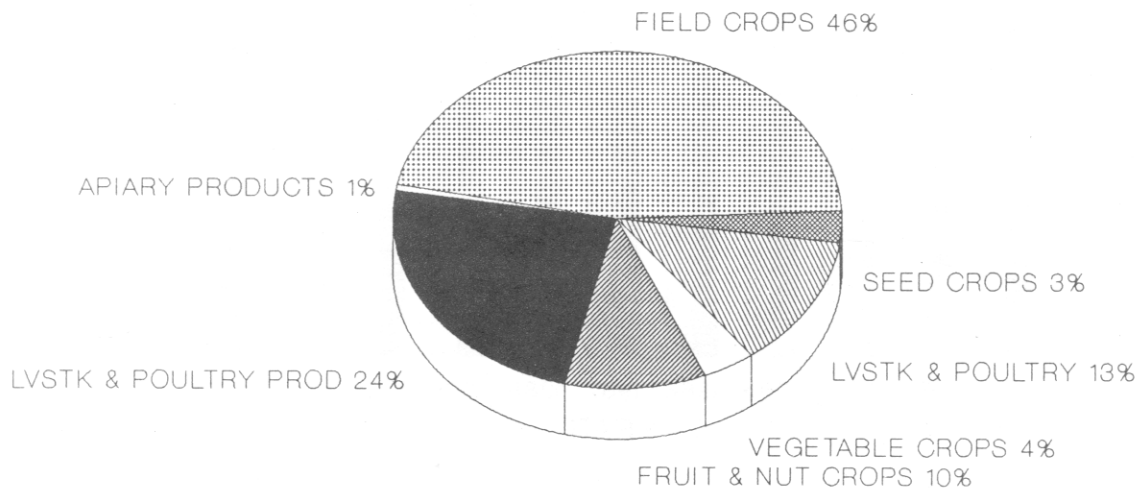
b/ Includes Catfish, chickens, and goats.

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
Eggs-Chicken Market	1992	2,690,760	Doz.	0.67	1,803,000
	1991	1,988,780	Doz.	0.80	1,591,000
Manure	1992	351,367	Ton	3.94	1,384,000
	1991	354,455	Ton	4.32	1,531,000
Milk					
Milk, Goats	1992	17,084	Cwt.	25.30	432,000
	1991	15,417	Cwt.	27.03	417,000
Market	1992	15,951,564	Cwt.	11.38	181,529,000
	1991	14,801,506	Cwt.	10.93	161,780,000
Manufacturing	1992	50,516	Cwt.	10.94	553,000
	1991	75,896	Cwt.	10.44	792,000
Milk Total	1992	16,019,164			182,514,000
	1991	14,892,819			162,989,000
Wool	1992	132,382	lb.	0.76	101,000 *
	1991	133,245	lb.	0.70	93,000 *
TOTAL	1992				185,802,000
	1991				166,204,000

* Not including wool incentive payment.

KINGS COUNTY 1992 TOTAL CROP VALUE

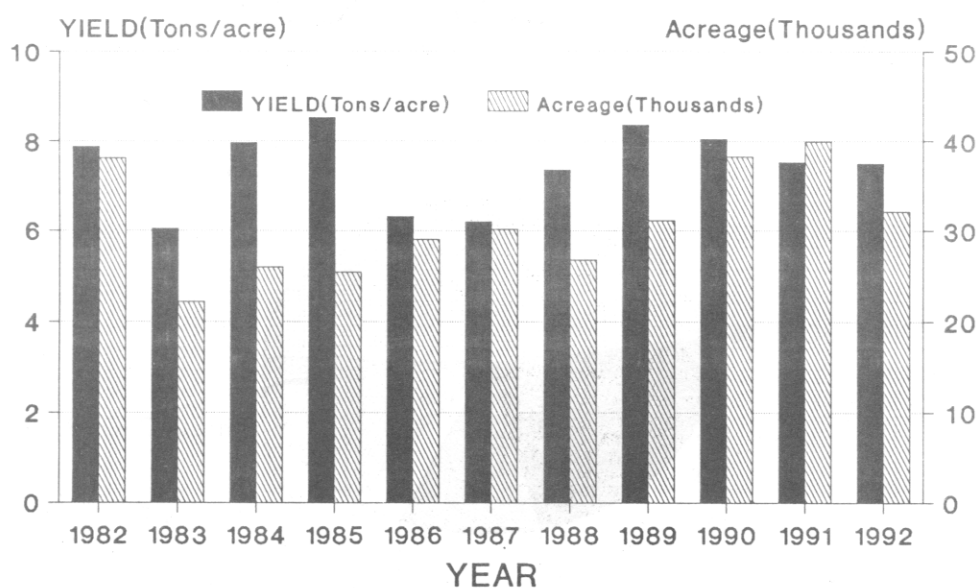


APIARY PRODUCTS

ITEM	YEAR	TOTAL PRODUCTION	UNIT	PER UNIT	TOTAL
Apiary Products					
Honey	1992	4,814,625	lb.	0.58	2,792,000
	1991	3,442,985	lb.	0.66	2,272,000
Beeswax	1992	80,244	lb.	1.05	84,000
	1991	57,383	lb.	1.00	57,000
Pollination					
Seed Alfalfa	1992	17,868	Colonies	20.00	1,072,000
	1991	60,633	Colonies	22.00	1,334,000
Tree Fruit a/	1992	8,000	Colonies	31.00	248,000
	1991	7,222	Colonies	30.00	217,000
Cantaloupe	1992	2,590	Colonies	13.00	34,000
	1991	3,827	Colonies	14.00	54,000
TOTAL	1992				4,230,000
	1991				3,934,000

a/ Almonds and plums.

ALFALFA HAY YIELD & HARVESTED ACRES

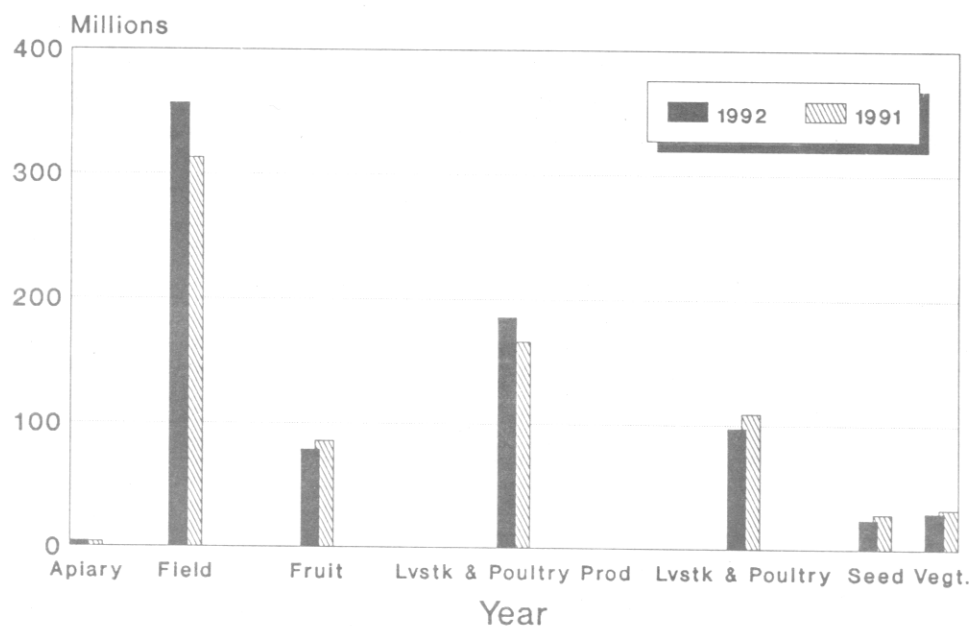


FIVE YEAR COMPARISON OF ACREAGE AND CROP VALUE

	1988	1989	1990	1991	1992
Apiary Products	2,991,000	2,168,000	2,757,000	3,934,000	4,230,000
Field Crops	290,385,000	351,926,000	366,480,000	312,378,000	356,410,000
Acreage	618,026	632,968	621,762	561,531	554,610
Fruit and Nut Crops	75,361,000	67,970,000	84,979,000	85,739,000	78,734,000
Acreage	23,555	23,555	25,990	28,040	27,277
Livestock and Poultry	79,913,000	98,050,000	103,374,000	109,501,000	97,399,000
Livestock and Poultry Products	131,004,000	161,825,000	172,625,000	166,204,000	185,802,000
Seed Crops	24,918,000	31,321,000	29,246,000	28,300,000	23,843,000
Acreage	32,396	39,862	50,476	38,603	32,270
Vegetable Crops	28,293,000	29,823,000	26,858,000	32,260,000	29,439,000
Acreage	7,986	7,986	10,251	14,453	9,956
TOTAL	\$ 632,865,000	\$ 743,083,000	\$ 786,319,000 *	\$ 738,316,000	\$ 775,857,000

* Revised

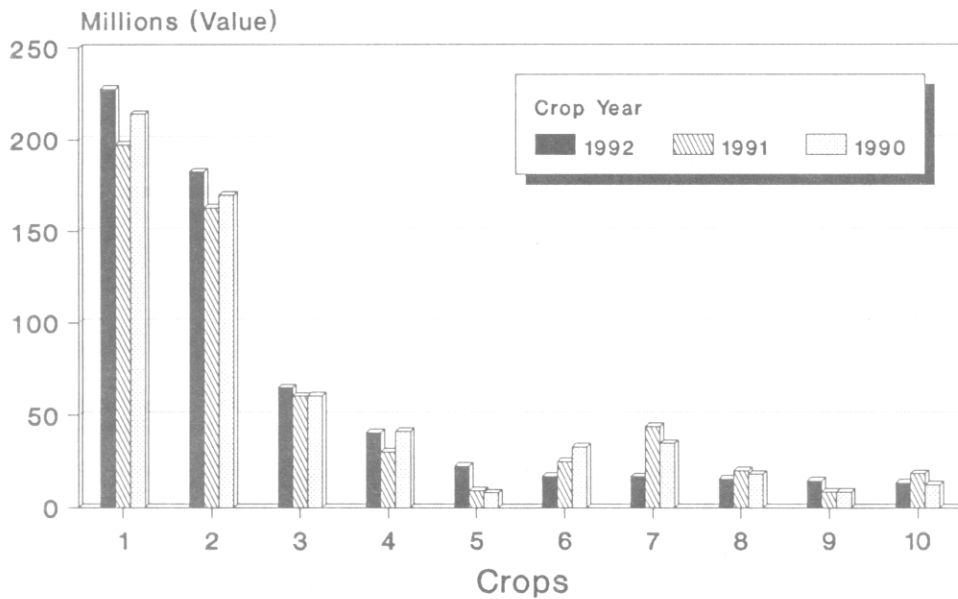
COMPARISON OF CROP VALUE FOR 1992 AND 1991



KINGS COUNTY TEN LEADING CROPS

CROP	1992 RANK	1992 DOLLAR VALUE	1991 RANK	1990 RANK	1989 RANK
Alcala Cotton Lint	1	227,778,000	1	1	1
Milk Total	2	182,514,000	2	2	2
Cattle and Calves	3	64,886,000	3	3	3
Acala Cotton Seed	4	40,359,000	5	4	4
Pima Cotton Lint	5	22,372,000	10	18	27
Hay Alfalfa	6	17,026,000	6	6	7
Turkey	7	16,797,000	4	8	5
Peaches Total	8	15,539,000	7	11	8
Walnut	9	14,483,000	12	10	16
Tomatoes Total	10	13,380,000	8	15	11

KINGS COUNTY'S 10 LEADING CROPS 1992-1990



KINGS COUNTY ANNUAL SUSTAINABLE AGRICULTURAL REPORTING

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 lareynil</u>	Generally distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 sites
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	254,805 acres
COUNTY PEST EXCLUSION		
European Corn Borer <u>Ostrinia nubilalis</u>	Railroad Corn Shipments	1,010 inspections
Various	Truck Shipments	11,448 inspections
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	89 inspections
COUNTY PEST DETECTION		
Various Insect Pests	Various Detection Insect Traps	1,154 traps
ORGANIC FARMING STATISTICS		
Crop	Number of Farms	Estimated Acres
Cantaloupes	1	10
Cotton	2	64
Misc. Vegetables	1	4
Walnut	1	20

GENERAL KINGS COUNTY INFORMATION

County Seat	Hanford
County Population (1993)	107,485
Population per Square Mile	66.0
Total Assessed Value (1990)	\$2,477,722,000
Land Area (Square Miles)	1,396
Total Acres	918,790
Land in Farms (Acres - 1988)	808,000
Foreign Ownership (10 parcels - 1990)	7,284 (acres) (value = \$2,198,000)
Total Cropland (Acres - 1988)	614,000
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 12th among California counties and 18th among U.S. counties. (Based on 1989 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.

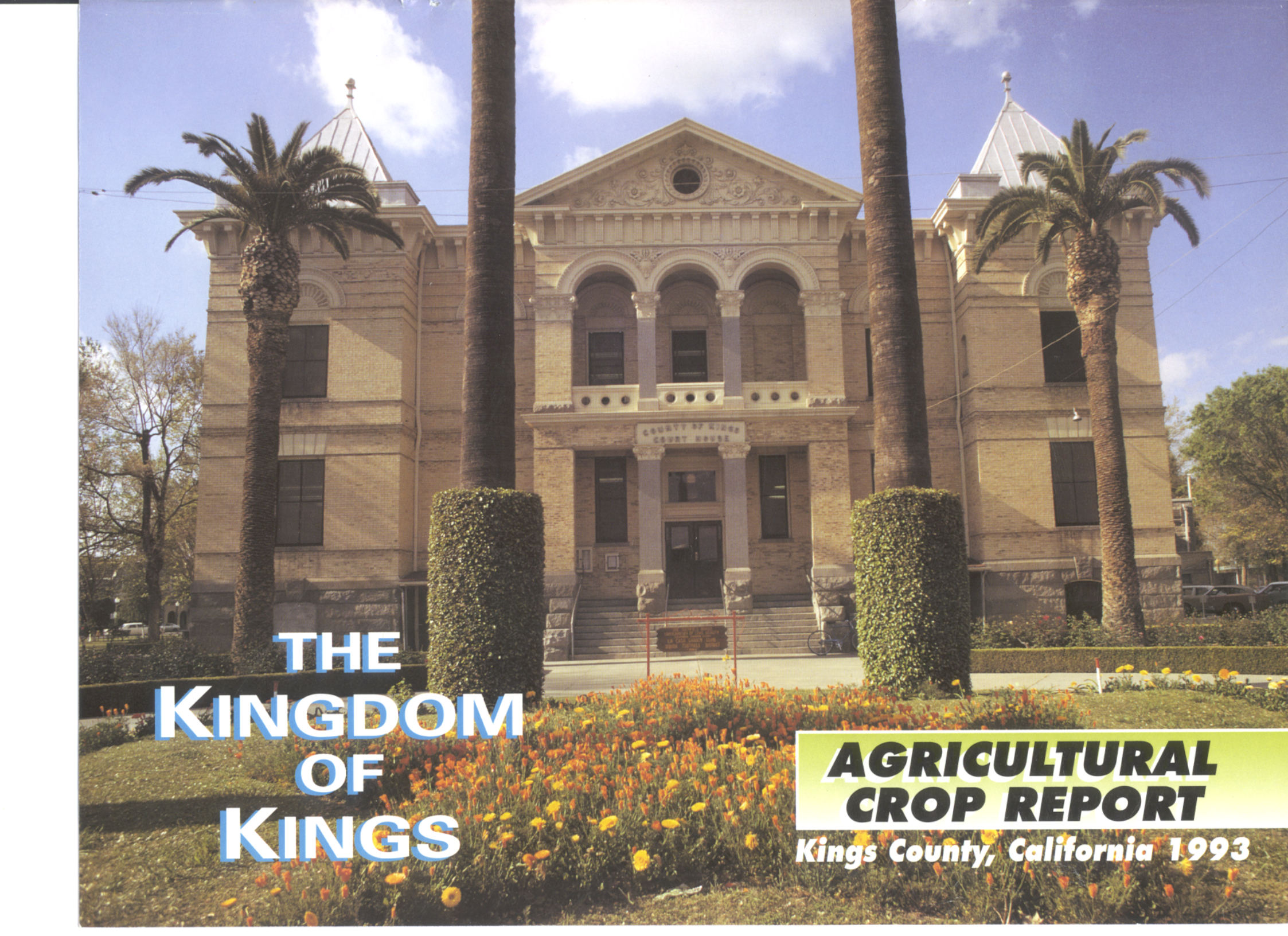
Average date of first fall frost: November 18.

RAINFALL — HANFORD, CALIFORNIA

YEAR	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	TOTAL
1943-44	0.00	0.00	0.00	0.00	0.03	0.21	1.03	1.30	2.80	0.39	0.86	0.28	6.90
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						
AVERAGE	0.05	0.01	0.03	0.17	0.31	0.89	1.13	1.33	1.42	1.34	0.75	0.24	7.62

50 YEAR AVERAGE RAINFALL

7.62



**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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**"Cover photo compliments of
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		TOTAL	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		TOTAL	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		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			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.

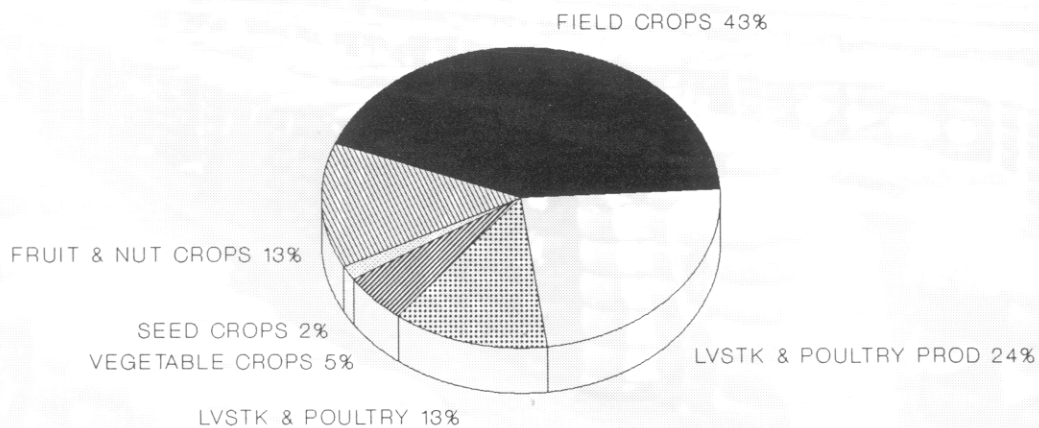
b/ Includes Catfish, chickens, and goats.

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

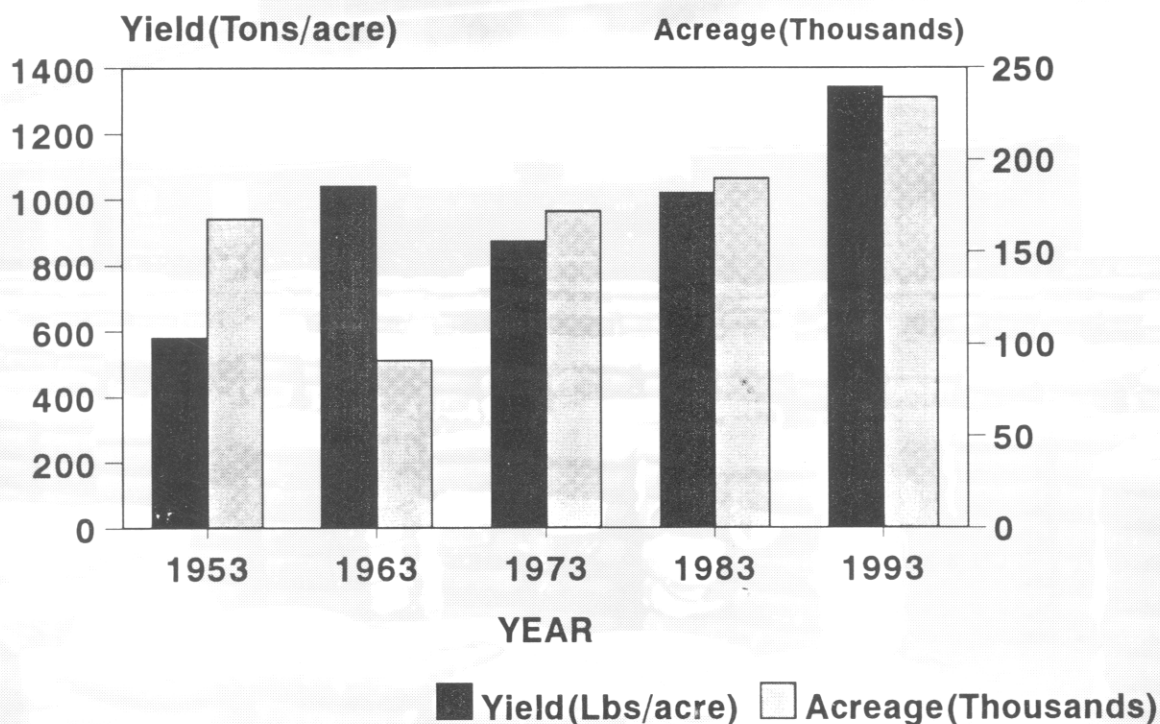


APIARY PRODUCTS

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

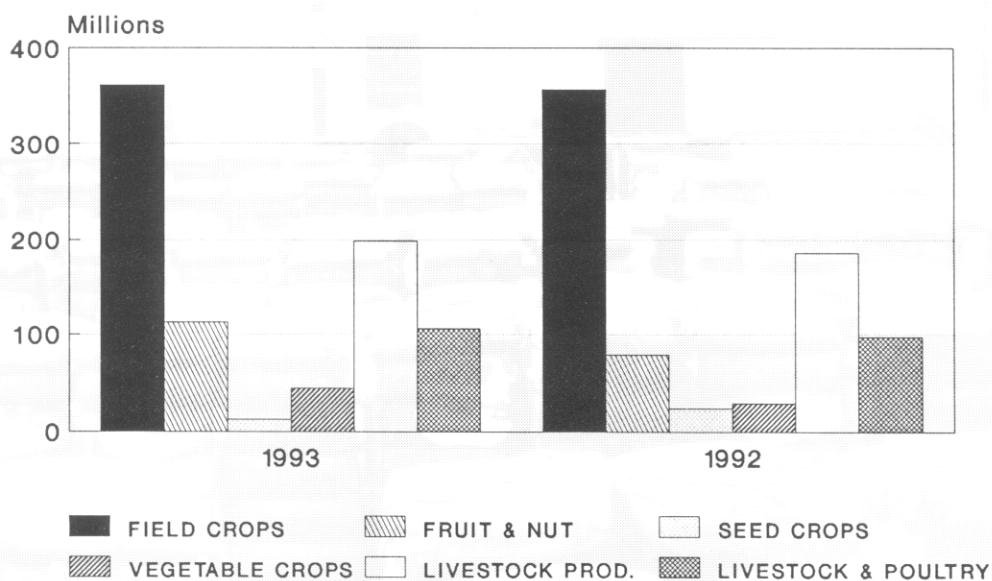


FIVE YEAR COMPARISON OF ACREAGE & CROP VALUES

	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

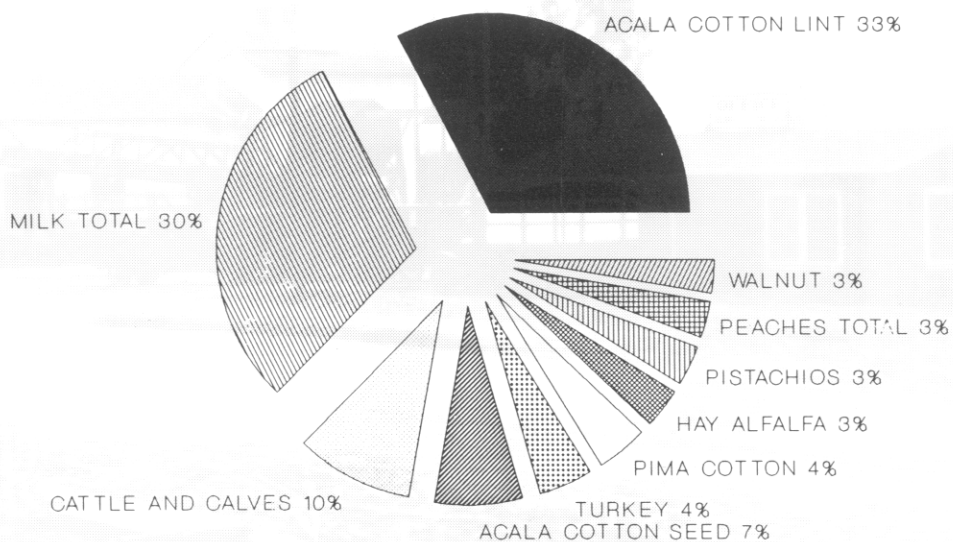
COMPARISON OF CROP VALUES FOR 1993 AND 1992



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

KINGS COUNTY ANNUAL SUSTAINABLE AGRICULTURAL REPORTING

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

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



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**AGRICULTURAL CROP REPORT
KINGS COUNTY, CALIFORNIA**

KINGS COUNTY
AGRICULTURAL COMMISSIONER/SEALER

**** PERSONNEL ****

AGRICULTURAL COMMISSIONER/SEALER OF WEIGHTS AND MEASURES

M. HUGH HANDLEY

DEPUTY AGRICULTURAL COMMISSIONER/SEALERS

Dennis F. Bray Susan Johnson Leland P. Tos

AGRICULTURAL AND STANDARDS INSPECTORS

Kaaren Anderson	Vince Evans	Tim Niswander
Stephanie Colvin	Buzz Felleke	Alfredo Prieto
Bernard Costa	Stephanie LeBarron	Lynda Schrumpf
Jim Dodd	Michael Leoni	Steven Schweizer

AGRICULTURAL AND STANDARDS AIDES

Mark Bevens	Timmie Bressler
-------------	-----------------

CLERICAL

Diane O'Daniel	Linda Green	Linda Lavars
Arlene Elsome	Juanita Rodriguez	

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Mrs. Sherry Pinkham
Agricultural Photographer

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, 1995

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

Gentlemen:

I am pleased to submit the 1994 Agricultural Crop Report on the production and value of agricultural commodities for 1994 in Kings County, and in accordance with Section 2279 of The California Food and Agricultural Code.

The gross value of all agricultural commodities for 1994 was \$812,658,000., a decrease of \$24,640,000. (-2.94%) from last year's (1993) value.

Crop categories reflecting decreased values were: field crops (-6.5%), fruit and nut crops (-25.%) and livestock and poultry (-.2%).

However, livestock and poultry products reflected a banner year, increasing over 24 million dollars (+12.2%) from 1993, due mainly to both increased production and values. Likewise seed crops and apiary production including pollination also returned moderate increased values with +7.1% and +14.5% accordingly.

Field crops overall returned reduced values, except wheat which increased in value due to higher prices.

Cotton remains the top crop in Kings County with total value exceeding \$269,000,000. 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 without the cooperation of many individuals who contributed their time and information. I wish to extend a special "thanks" to Buzz Felleke of my staff for his compiling of the report.

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "M. Hugh Handley".

M. Hugh Handley
Agricultural Commissioner
Sealer of Weights and Measures

APPLES

Apples have been cultivated since the dawn of history. The budding and grafting of apples has been going on for 2,000 years. Both the Greeks and Romans grew apples. The cultivated apple we know today has been developed down through the ages through the cross-breeding of several different species. Generally, it is given the name *Malus pumila*. Apples evolved throughout a rather large area including: Asia Minor, Central Asia, Himalayan India and Pakistan.

Many different varieties of apples are produced in the U.S., with regional differences based on both climate and traditional market outlets. Some varieties are best suited for processing, such as the Gravenstein; others for fresh consumption, Red Delicious; some are dual purpose, Golden Delicious and Yellow Newtown. The importance of different varieties has changed over time. Washington, which produces for the fresh market accounts for the majority of the western states acreage, and has concentrated on highly colored and uniquely shaped Red Delicious due to the colder nights that give them color. The most popular varieties in the eastern states are: Red Delicious, McIntosh, Golden Delicious, Rome Beauty and York. The most popular variety in the Central States is the Jonathan followed by the Red Delicious and McIntosh.

Due to the weather conditions in California, different varieties of apples are grown. The coastal and mountain areas produce Red Delicious, Rome, Jonathan, Winesap and other red varieties that need colder nights for color. The yellow and green colored apples are grown in the Central Valley and the surrounding areas.

In the mid-1970's, the first green variety introduced in the San Joaquin Valley was the Granny Smith. By 1980 the first commercial crop produced by the San Joaquin Valley growers yielded 1/2 million boxes of apples.

The Gala and Fuji varieties were introduced into the San Joaquin Valley area by the late 1980's. Both varieties are well adapted to the weather conditions of the valley. The sweet and crunchy taste, with a red blush or red striped appearance, has found favor in the U.S. as well as abroad. At this time, the San Joaquin Valley produces 2.5 million boxes of Fujis and 1.3 million boxes of Galas. Kings County contributes a major portion to the Gala apple production of the San Joaquin Valley. Much of this production is exported to Taiwan, one of our larger trading partners.

Kings County's 500 plus acres of apples continue to evolve to meet the demands of the ever changing market place.

ANNUAL CROP REPORT FOR YEAR 1994

KINGS COUNTY
AGRICULTURAL COMMISSIONER/SEALER

M. HUGH HANDLEY
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

KINGS COUNTY
BOARD OF SUPERVISORS

JOE A. NEVES	DISTRICT I
JOE HAMMOND	DISTRICT II
LEE M. LOCKHART	DISTRICT III
TONY BARBA	DISTRICT IV
ABEL J. MEIRELLES	DISTRICT V

COUNTY ADMINISTRATIVE OFFICER
LARRY SPIKES

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FIELD CROPS

CROP	YEAR	HARVESTED PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Barley	1994	27,146	1.64	44,519	Ton	108.48	4,830,000
	1993	16,423	2.37	38,923	Ton	118.00	4,593,000
Beans Dry a/	1994	2,345	1.15	2,697	Ton	563.00	1,518,000
	1993	2,401	1.10	2,641	Ton	627.00	1,656,000
Corn Silage	1994	15,847	21.42	339,443	Ton	20.24	6,870,000
	1993	25,348	24.54	622,040	Ton	17.80	11,072,000
Cotton							
Acala-Lint b/	1994	240,660	2.33	560,738	495 lb.	373.98	209,705,000
	1993	233,980	2.71	634,086	495 lb.	333.88	211,709,000
Acala-Seed	1994			231,362	Ton	150.00	34,704,000
	1993			262,015	Ton	177.00	46,377,000
Cotton Pima-Lint b/	1994	28,735	1.62	46,551	495 lb.	474.29	22,079,000
	1993	27,835	2.32	64,577	495 lb.	416.17	26,875,000
Pima-Seed	1994			19,248	Ton	148.00	2,849,000
	1993			24,412	Ton	149.00	3,637,000
Hay							
Alfalfa	1994	22,650	8.22	186,183	Ton	108.15	20,136,000
	1993	27,457	7.17	196,867	Ton	108.22	21,305,000
Other c/	1994	1,320	3.00	3,960	Ton	78.00	309,000
	1993	1,238	3.50	4,333	Ton	55.00	238,000
Pasture							
Irrigated	1994	10,000			Acre	105.00	1,050,000
	1993	11,000			Acre	107.00	1,177,000
Range	1994	90,000			Acre	2.00	180,000
	1993	100,000			Acre	2.00	200,000
Alfalfa	1994	30,541			Acre	20.00	611,000
Stubble	1993	31,777			Acre	18.00	572,000
Safflower	1994	32,213	1.41	45,420	Ton	310.96	14,124,000
	1993	46,485	1.13	52,528	Ton	317.00	16,651,000
Sugar Beets	1994	3,682	25.26	93,007	Ton	32.63	3,035,000
	1993	3,221	29.47	94,923	Ton	40.00	3,797,000

FIELD CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Wheat	1994	37,928	2.76	104,681	Ton	128.79	13,482,000
	1993	30,598	2.75	84,145	Ton	106.00	8,919,000
Other d/	1994	14,994					3,879,000
	1993	20,438					4,033,000
TOTAL	1994	558,061					339,361,000
	1993	578,201					362,811,000 *

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, screening, straw, sudangrass wheat silage, and winter forage.

* Revised

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Alfalfa							
Certified	1994	6,571	744	4,888,824	lb.	1.26	6,160,000
	1993	3,227	670	2,162,090	lb.	1.27	2,746,000
Non-certified	1994	1,000	744	744,000	lb.	1.10	818,000
	1993	1,100	670	737,000	lb.	1.10	811,000
Total	1994	7,571		5,632,824	lb.		6,978,000
	1993	4,327		2,899,090	lb.		3,557,000
Barley, Certified	1994	1,903	5000	9,515,000	lb.	0.06	571,000
	1993	1,514	5600	8,478,400	lb.	0.06	509,000
Cotton, Certified a/	1994	3,603		2,162	Ton	248.00	536,000
	1993	4,500		4,500	Ton	261.74	1,178,000

SEED CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Wheat, Certified	1994	5,676	5,780	32,807,280	lb.	0.07	2,297,000
	1993	9,309	6,580	61,253,220	lb.	0.06	3,675,000
Vegetable b/	1994	371					1,088,000
	1993	137					2,015,000
Other c/	1994	527					2,343,000
	1993	545					1,958,000
TOTAL	1994	19,651					13,813,000
	1993	20,332					12,892,000

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

b/ Broccoli, cauliflower, chinese cabbage, lettuce, onion, pepper, radish and turnip.

c/ Flowers and turf.

FRUIT & NUT CROPS

FRUIT AND NUT CROPS

CROP	YEAR	BEARING PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Almonds	1994	1,747	0.87	1,520	Ton	2,507.00	3,810,000
	1993	1,907	0.72	1,373	Ton	3,284.00	4,509,000
Almond Hulls	1994			1,098	Ton	71.50	79,000
	1993			1,740	Ton	62.00	108,000
Apples Fresh	1994			4,628	Ton	566.59	2,622,000
	1993			5,895	Ton	507.00	2,989,000
Processed	1994			1,984	Ton	70.00	139,000
	1993			2,583	Ton	66.00	170,000
Apples Total	1994	502	11.99	6,612	Ton		2,761,000
	1993	502	16.89	8,478	Ton		3,159,000

FRUIT & NUT CROPS

CROP	YEAR	BEARING PRODUCTION			UNIT	VALUE	
		ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
Apricots							
Fresh	1994			920	Ton	956.00	880,000
	1993			1,007	Ton	828.00	834,000
Processed	1994			307	Ton	287.00	88,000
	1993			200	Ton	250.00	50,000
Apricots Total	1994	251	3.68	1,227	Ton		968,000
	1993	251	4.61	1,207	Ton		884,000
Firewood a/	1994			710	Cord	100.00	71,000
	1993			620	Cord	100.00	62,000
Grapes							
Raisin Varieties							
Fresh	1994			1,500	Ton	730.00	1,095,000
				5,800	Ton	940.00	5,452,000
Crushed				8,500	Ton	175.00	1,488,000
Canned				2,284	Ton	238.00	544,000
Total		1,982		18,084			8,579,000
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
Table Varieties							
	1994	634	9.16	5,807	Ton	852.58	4,951,000
	1993	634	12.74	8,077	Ton	503.00	4,063,000
Wine Varieties							
	1994	1,327	10.75	14,265	Ton	243.00	3,466,000
	1993	1,313	10.00	13,130	Ton	230.00	3,020,000
Grapes Total	1994	3,943					16,996,000
	1993	3,905					15,938,000
Kiwifruit	1994	299	5.18	1,549	Ton	1,550.00	2,401,000
	1993	303	5.50	1,667	Ton	1,243.00	2,071,000
Nectarines	1994	1,909	8.62	16,456	Ton	489.00	8,047,000
	1993	2,034	9.26	18,835	Ton	678.00	12,770,000

FRUIT & NUT CROPS

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Olives	1994	1,124	2.40	2,698	Ton	442.00	1,192,000
	1993	1,114	4.10	4,567	Ton	500.00	2,284,000
Peaches							
Clingstone	1994	1,289	18.71	24,117	Ton	189.00	4,558,000
	1993	1,289	20.00	25,780	Ton	217.00	5,594,000
Freestone	1994	2,606	8.77	22,855	Ton	405.00	9,256,000
	1993	2,685	8.47	22,742	Ton	591.00	13,440,000
Peaches Total	1994	3,895					13,814,000
	1993	3,974					19,034,000
Pistachios	1994	5,669	1.23	6,973	Ton	2,000.00	13,946,000
	1993	5,596	1.45	8,114	Ton	2,612.00	21,194,000
Plums	1994	2,024	6.30	12,751	Ton	452.00	5,764,000
	1993	1,945	7.79	15,152	Ton	607.00	9,197,000
Pomegranates	1994	338	3.60	1,217	Ton	1,268.00	1,543,000
	1993	340	3.30	1,122	Ton	1,087.00	1,220,000
Walnuts	1994	5,468	1.65	9,022	Ton	1,126.57	10,164,000
	1993	5,797	1.93	11,188	Ton	1,560.00	17,454,000
Other b/	1994	417					1,987,000
	1993	327					1,807,000
Other c/	1994						800,000
	1993						850,000
TOTAL	1994	27,586					84,343,000
	1993	27,995					112,541,000

a/ Includes all varieties.

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

c/ Black walnut stumps.

"THE RAINBOW IN THE CLOUDS"

*There hides much beauty in a cloud,
If you look within the dark gray shroud.*

*At dawn clouds blush at the sun ray's sight,
And bathe themselves in warm sunlight.*

*So they seem dark seen from below,
Their summit always is aglow.*

*They bring new life to the barren lands,
And cool the farmer's toil worn hands.*

VEGETABLE CROPS

CROP	YEAR	HARVESTED PRODUCTION		TOTAL	UNIT	VALUE	
		ACREAGE	PER ACRE			PER UNIT	TOTAL
Broccoli							
Fresh	1994			1,024	Ton	660.00	676,000
	1993			3,556	Ton	532.00	1,892,000
Processed	1994			1,247	Ton	367.00	458,000
	1993			2,045	Ton	384.00	785,000
Broccoli Total							
	1994	696	5.20				1,134,000
	1993	1,398	4.09				2,677,000
Cantaloupes							
	1994	1,345	11.56	15,548	Ton	256.00	3,980,000
	1993	925	12.00	11,100	Ton	250.00	2,775,000
Sweet Corn							
	1994	612	6.88	4,211	Ton	278.00	1,171,000
	1993	250	6.25	1,563	Ton	241.00	377,000
Tomatoes							
Fresh	1994	1,529	20.00	30,580	Ton	347.00	10,611,000
	1993	775	21.00	16,275	Ton	340.00	5,533,000
Processed	1994	11,500	30.40	349,600	Ton	50.00	17,480,000
	1993	11,000	31.31	344,410	Ton	57.50	19,804,000
Tomatoes Total							
	1994	13,029		380,180			28,091,000
	1993	11,775		360,685			25,337,000
Other a/							
	1994	5,322					9,710,000
	1993	4,395					13,065,000
TOTAL							
	1994	21,004					44,086,000
	1993	18,743					44,231,000

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

*And after they complete their chore,
They weave a rainbow in their hair.*

*Then pass on with God's cleansing wind.
Their changing beauty has no end.*

*And so are our clouds of sorrow,
They seldom last beyond tomorrow.*

*After the veil of darkness lifts,
They reveal to us God's precious gifts.*

*If I look down from outer space,
I see in clouds the dawning of the Universe.*

Hildegard Bonacker Bruni

INVENTORIES OF LIVESTOCK & POULTRY

ITEM	January 1, 1995	January 1, 1994
	NUMBER OF HEAD	NUMBER OF HEAD
Cattle and Calves		
All	167,000	200,000
Dairy Cows 2 Years and Over	103,000	98,000
Cattle and Calves on Feed	3,000	3,000
Other	128,000	130,000
Sheep and Lambs		
Sheep and Lambs	9,200	10,210
Goats	3,000	2,800
Hogs and Pigs	7,300	8,600
Turkeys	603,000	652,000

LIVESTOCK & POULTRY

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NUMBER OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Breeding Stock a/	1994					1,420,000
	1993					1,320,000
Cattle and Calves	1994	148,779	906,064	Cwt.	71.00	64,331,000
	1993	142,965	870,656	Cwt.	71.00	61,817,000
Hogs and Pigs	1994	13,300	30,590	Cwt.	40.00	1,224,000
	1993	13,378	31,037	Cwt.	46.00	1,428,000
Sheep and Lambs	1994	12,479	15,724	Cwt.	55.00	865,000
	1993	10,210	11,435	Cwt.	80.00	915,000
Turkeys	1994	1,887,136	41,913,290	lb.	0.64	26,825,000
	1993	2,205,590	47,574,576	lb.	0.60	28,544,000
Other b/	1994					11,315,000
	1993					12,182,000
TOTAL	1994					105,980,000
	1993					106,206,000 *

a/ For All animals except horses.

b/ Includes Catfish, chickens, and goats.

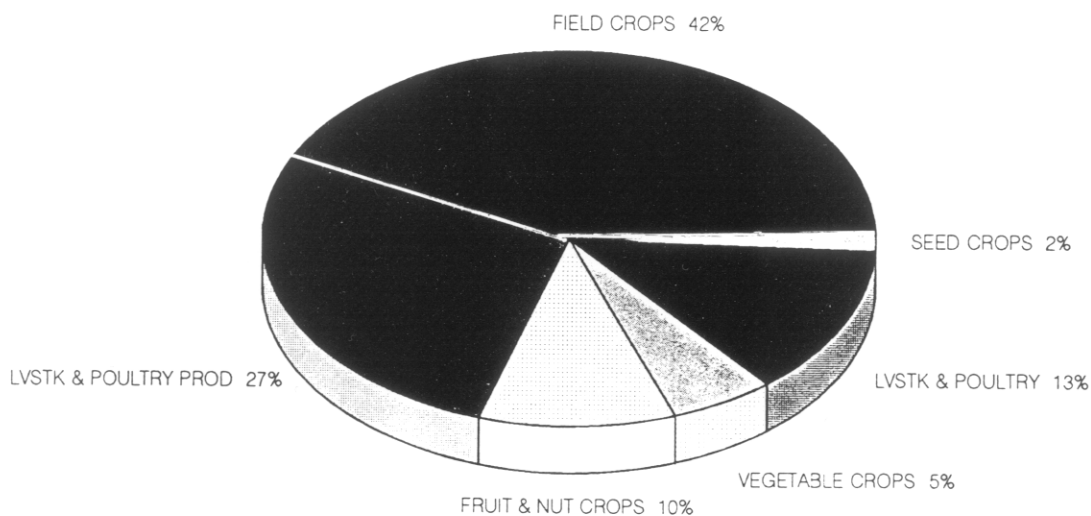
* Revised

LIVESTOCK & POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
Eggs-Chicken Market	1994	2,526,540	Doz.	0.89	2,249,000
	1993	2,568,797	Doz.	0.75	1,927,000
Manure	1994	376,430	Ton	5.10	1,920,000
	1993	340,742	Ton	4.83	1,646,000
Milk					
Milk, Goats	1994	16,736	Cwt.	26.85	449,000
	1993	14,967	Cwt.	24.14	361,000
Market	1994	19,190,438	Cwt.	11.30	216,852,000
	1993	17,218,688	Cwt.	11.24	193,596,000
Manufacturing	1994	115,258	Cwt.	10.46	1,206,000
	1993	82,756	Cwt.	11.05	914,000
Milk Total	1994	19,322,432			218,507,000
	1993	17,316,411			194,871,000
Wool	1994	129,781	lb.	0.91	118,000 *
	1993	106,184	lb.	0.90	96,000 *
TOTAL	1994				222,794,000
	1993				198,540,000

* Not including wool incentive payment.

KINGS COUNTY 1994 TOTAL CROP VALUE

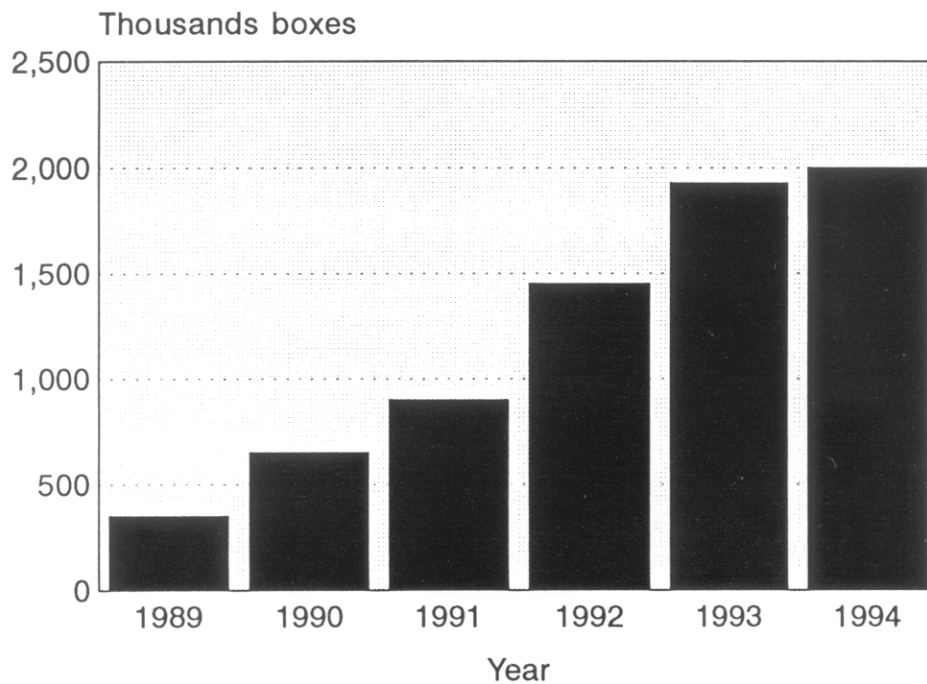


APIARY PRODUCTS

ITEM	YEAR	TOTAL PRODUCTION	UNIT	PER UNIT	TOTAL
Apiary Products					
Honey	1994	2,888,000	lb.	0.50	1,444,000
	1993	2,430,609	lb.	0.55	1,337,000
Beeswax	1994	48,133	lb.	1.25	60,000
	1993	40,510	lb.	1.20	49,000
Pollination					
Seed Alfalfa	1994	22,713	Colonies	20.00	454,000
	1993	17,308	Colonies	20.00	346,000
Tree Fruit a/	1994	8,546	Colonies	35.00	299,000
	1993	7,704	Colonies	31.00	239,000
Cantaloupe	1994	2,017	Colonies	12.00	24,000
	1993	1,388	Colonies	15.00	21,000
TOTAL	1994				2,281,000
	1993				1,992,000

a/ Almonds apples and plums.

ROYAL GALA APPLE PRODUCTION IN THE STATE OF CALIFORNIA

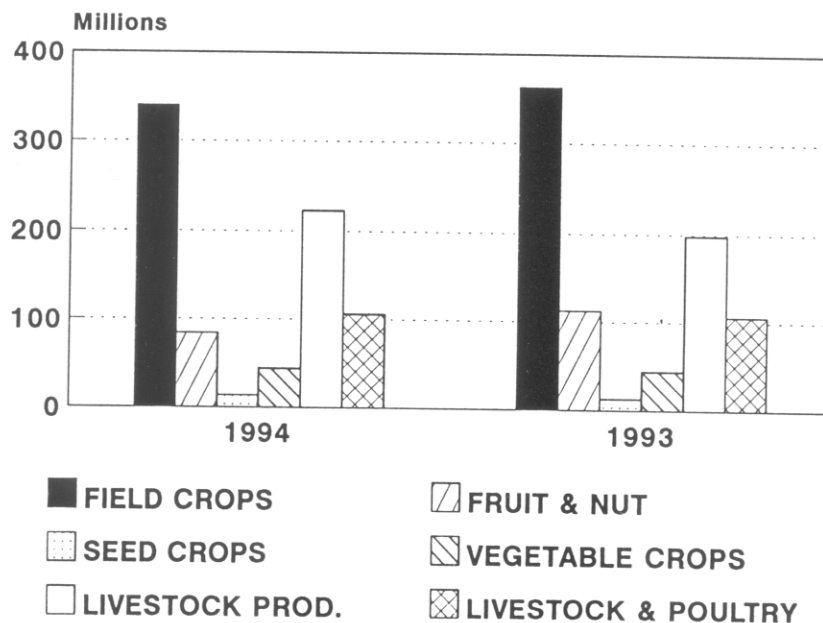


FIVE YEAR COMPARISON OF ACREAGE & CROP VALUES

	1990	1991	1992	1993	1994
Apiary Products	2,757,000	3,934,000	4,230,000	1,992,000	2,281,000
Field Crops	366,480,000	312,378,000	356,410,000	362,811,000	339,361,000
Acreage	621,762	561,531	554,610	578,201	558,061
Fruit and Nut Crops	84,979,000	85,739,000	78,734,000	112,541,000	84,343,000
Acreage	25,990	28,040	27,277	27,995	27,586
Livestock and Poultry	103,374,000	109,501,000	97,399,000	106,206,000	105,980,000
Livestock and Poultry Products	172,625,000	166,204,000	185,802,000	198,540,000	222,794,000
Seed Crops	29,246,000	28,300,000	23,843,000	12,892,000	13,813,000
Acreage	50,476	38,603	32,270	19,787	19,651
Vegetable Crops	26,858,000	32,260,000	29,439,000	44,231,000	44,086,000
Acreage	10,251	14,453	9,956	18,743	21,004
TOTAL	\$ 786,319,000 *	\$ 738,316,000	\$ 775,857,000	\$ 837,298,000 *	\$ 812,658,000

* Revised

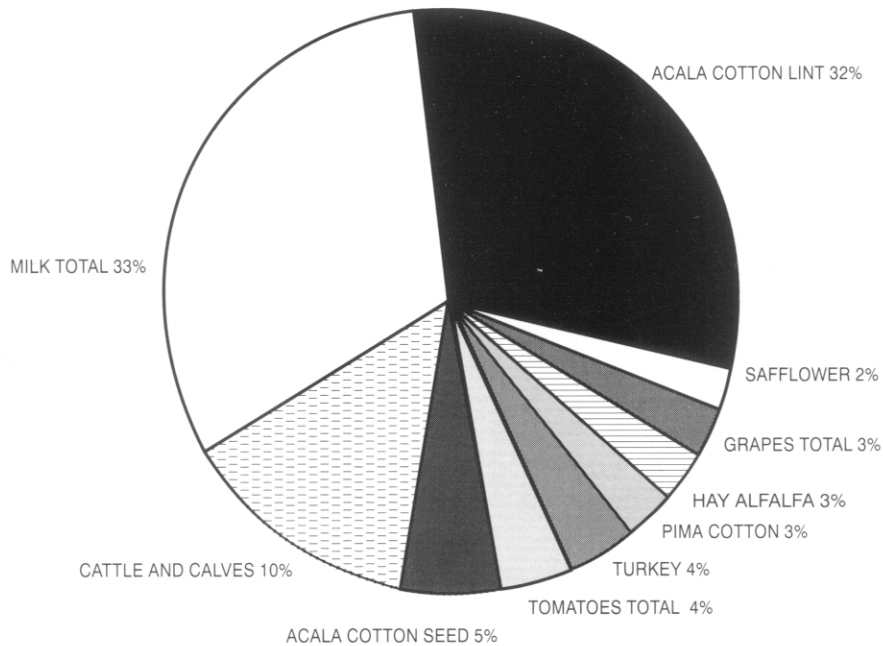
COMPARISON OF CROP VALUES FOR 1994 AND 1993



KINGS COUNTY'S TEN LEADING CROPS

CROP	1994 RANK	1994 DOLLAR VALUE	1993 RANK	1992 RANK	1991 RANK
Milk Total	1	218,507,000	1	1	1
Acala Cotton Lint	2	209,705,000	2	2	2
Cattle and Calves	3	64,331,000	3	3	3
Acala Cotton Seed	4	34,704,000	4	4	5
Tomatoes Total	5	28,091,000	7	10	10
Turkey	6	26,825,000	5	4	8
Pima Cotton	7	22,079,000	6	5	9
Grapes Total	8	21,194,000	8	6	6
Hay Alfalfa	9	20,136,000	12	13	12
Safflower	10	14,124,000	11	11	13

TOP TEN CROPS OF KINGS COUNTY FOR 1993



KINGS COUNTY SUSTAINABLE AGRICULTURE REPORTING

Pest	Agent/Mechanism	Scope of Program
COUNTY BIOLOGICAL CONTROL		
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformis</u> Seed Head Weevil <u>Microlarinus lareynil</u>	Generally distributed Generally distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u> Gall Fly Urophora sirunaseva	2 sites 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	269,395 acres
COUNTY PEST EXCLUSION		
European Corn Borer <u>Ostrinia nubilalis</u>	Railroad Corn Shipments	567 inspections
Various	Truck Shipments	10,678 inspections
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	24 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	180

GENERAL KINGS COUNTY INFORMATION

County Seat	Hanford
County Population (1993)	114,191
Population per Square Mile	82.0
Total Assessed Value (1990)	\$3,618,664,101
Land Area (Square Miles)	1,396
Total Acres	918,790
Land in Farms (Acres - 1992)	550,929
Foreign Ownership (1993)	7,243 (acres)
Total Cropland (Acres - 1992)	422,323
Irrigated Cropland (Acres - 1992)	409,507
Total Agricultural Work Force (1992)	9,624
Public Ownership of Land (Acres - 1990)	
Federal	20,912.69
State	1,684.99
County	5,556.25
Local Agencies	9,460.34

Agricultural production ranked 12th among California counties and 18th among U.S. counties.(Based on 1989 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 frost: November 18.

RAINFALL - HANFORD, CA

YEAR	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	TOTAL
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	11.83
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	5.02
1994-95	0.00	0.00	0.00	1.01	1.34	1.54	1.03						
AVERAGE	0.06	0.01	0.03	0.19	0.35	0.89	1.12	1.50	1.38	1.36	0.75	0.24	7.64
50 YEAR AVERAGE RAINFALL													7.64