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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

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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

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		UNIT	VALUE		
		ACREAGE	PER ACRE		TOTAL	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		UNIT	VALUE		
		ACREAGE	PER ACRE		TOTAL	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.

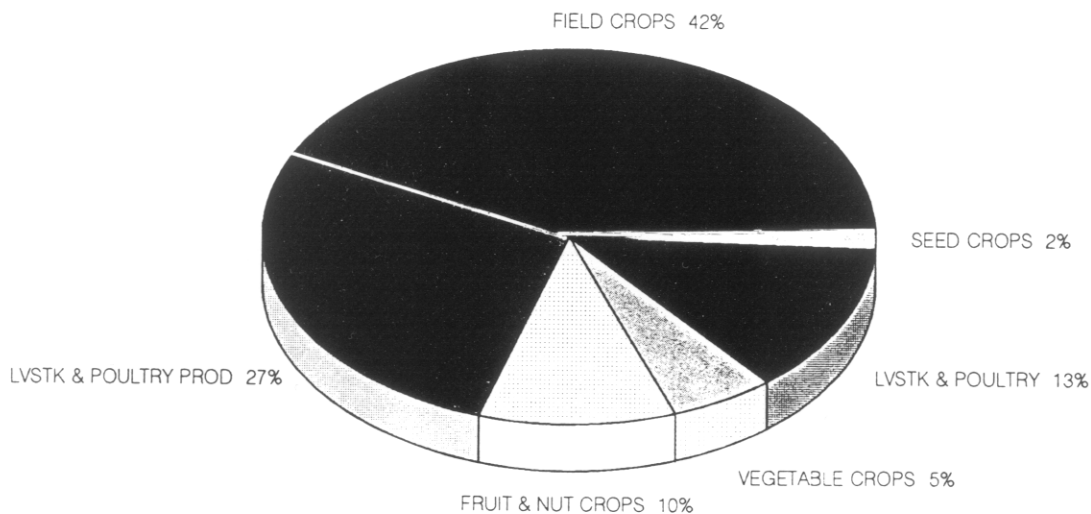
* Revised

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

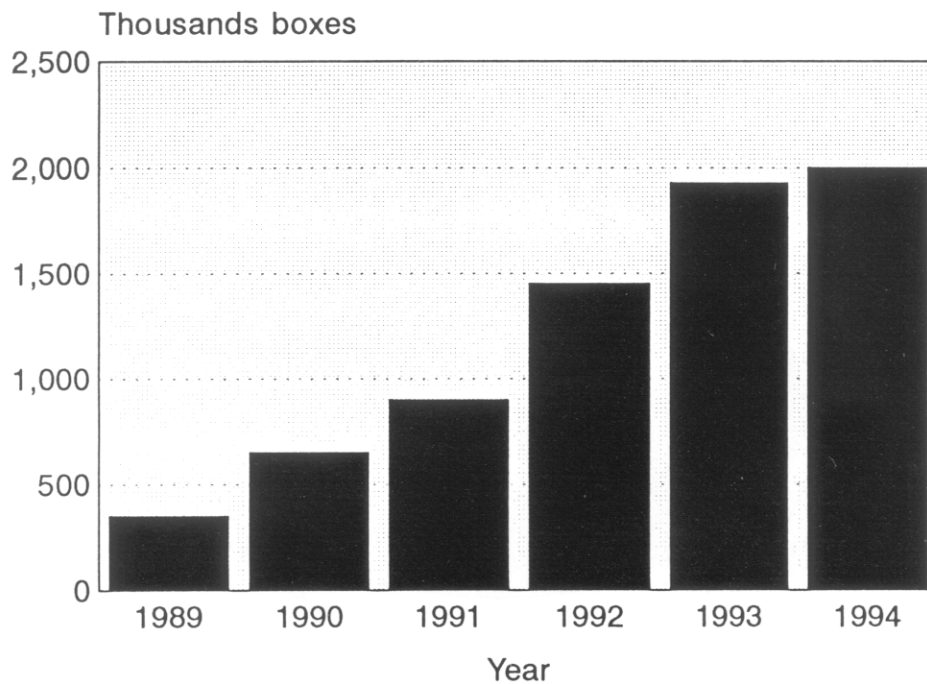


APIARY PRODUCTS

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

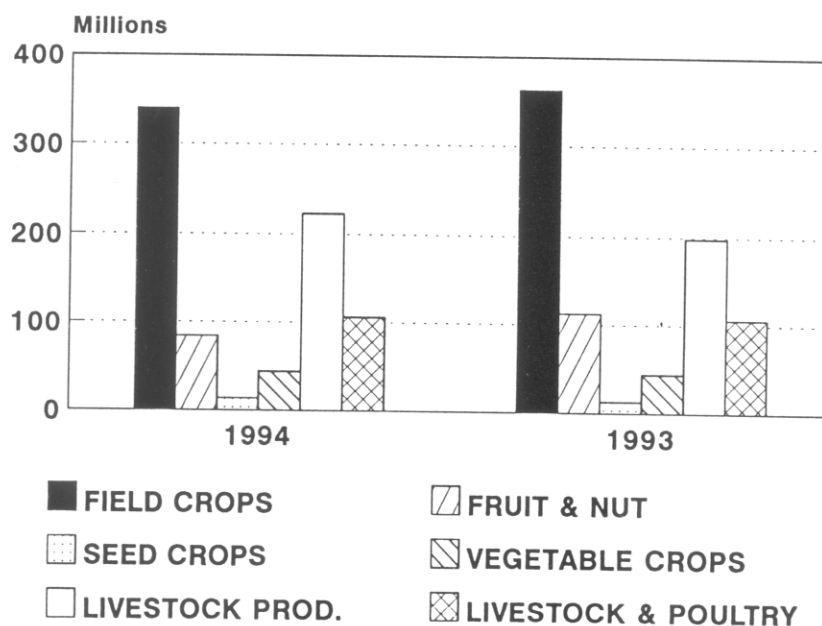


FIVE YEAR COMPARISON OF ACREAGE & CROP VALUES

	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

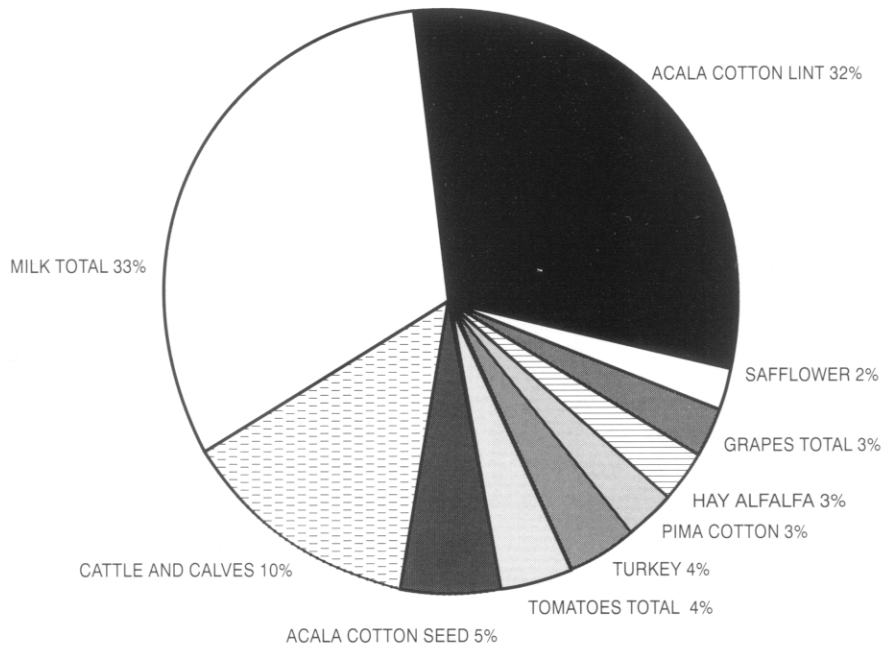
COMPARISON OF CROP VALUES FOR 1994 AND 1993



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