



### **CROP REPORT COVER - 1993**

Two full seasons after the freeze of December, 1990, Kern County's orange growers were back to full production. The 90-91 season was devastated by the freeze which wiped out virtually all Valencia production and heavily decreased Navel production. The 91-92 season saw a good comeback, however, 40% of the orange acreage still was not harvested because the trees had not yet recovered. Last year, the 92-93 season, finally saw a full rebound. And what a rebound! Not only were all the acres harvested, but production per acre was up substantially as well. These factors, combined with a good price, resulted in a 156% increase in orange value alone (110% for all citrus) over the previous year. Above, a heavily damaged orange grove after the freeze.

### **Crop Report Compiled By:**

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### **ACKNOWLEDGEMENT:**

Our sincerest thanks to all the individuals and firms without whose cooperation this report would not have been possible.

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1993

Mr. Henry Voss, Secretary  
California Dept. of Food & Agriculture  
- and -  
The Honorable Board of Supervisors  
County of Kern

I am pleased to submit the 1993 Agricultural Crop Report, which was compiled in accordance with Section 2279 of the California Food and Agriculture Code.

This year's report reflects further recovery from the recent depressed value resulting from the 1990 freeze and long standing drought. The 1993 total value is \$1,915,305,000; up 23.8% over the 1992 value.

In the see-saw battle between grapes and cotton, grapes have again returned to the number one status with a 34% increase over 1992. Cotton had a decrease of 1% relegating it to the number two crop for 1993.

There were tremendous increases in several crops: citrus, 110%; almonds, 71%; potatoes, 63%; lettuce, 63% and plums, 41%. Increases in value, acreage and production helped push up these crops.

Notably, the top four crops: grapes, cotton, almonds and citrus, topped the \$1 billion mark by themselves. These four crops represent over one half the total value of the 1993 commodities.

Livestock values: cattle and calves, sheep and lambs, remain depressed. Apples and watermelons were down 22% and 30%, respectively, due to reduced production.

These figures represent a **GROSS** receipt of producers and **DO NOT** take into account the various costs of production, marketing or transportation. **NO ATTEMPT IS MADE TO REFLECT NET INCOME OF THE PRODUCER.**

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Theodore K. Davis", is written over a horizontal line.

Theodore K. Davis  
Agricultural Commissioner

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# TOP TWENTY CROPS - 1993

		<u>1992 Rank</u>
1. Grapes	\$396,394,000	2
2. Cotton, Including Processed Cottonseed	301,177,000	1
3. Almonds, Including By-Products	199,072,000	3
4. Citrus, Fresh & Processed	185,695,000	6
5. Carrots, Fresh & Processed	114,988,000	4
6. Pistachios	98,745,000	5
7. Milk, Market	76,818,000	7
8. Potatoes, Fresh & Processed	68,879,000	11
9. Hay, Alfalfa	60,963,000	9
10. Nursery Crops	59,536,000	8
11. Apples	36,190,000	10
12. Lettuce, Head	25,653,000	16
13. Garlic, Fresh & Dehydrator	24,974,000	14
14. Onions, Fresh & Dehydrator	20,798,000	12
15. Plums	17,557,000	18
16. Cattle & Calves	14,410,000	13
17. Bell Peppers, Fresh	12,910,000	25
18. Watermelons	12,718,000	15
19. Sugar Beets	12,244,000	21
20. Sheep & Lambs	11,625,000	19

# FRUIT AND NUT CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Almonds	1993	71,574	0.69	a/49,400	Ton	\$3,860.00	\$190,630,000
	1992	69,474	0.67	a/46,600	Ton	2,370.00	110,318,000
Almond By-Products	1993	---	---	110,000	Ton	77.00	8,442,000
	1992	---	---	105,400	Ton	61.00	6,388,000
APPLES, ALL	1993	4,985	17.90	89,300	Ton	---	36,190,000
	1992	4,983	24.10	120,000	Ton	---	46,634,000
Fresh	1993	---	---	55,100	Ton	607.00	33,454,000
	1992	---	---	82,700	Ton	532.00	44,006,000
Processing	1993	---	---	34,200	Ton	80.00	2,736,000
	1992	---	---	37,300	Ton	70.50	2,628,000
Apricots	1993	669	4.60	3,080	Ton	1,212.00	3,733,000
	1992	572	4.13	2,360	Ton	770.00	1,817,000
CITRUS, ALL	1993	34,835	15.60	541,760	Ton	---	185,695,000
	1992	22,197	11.80	261,700	Ton	---	88,464,000
Grapefruit	1993	851	6.30	5,360	Ton	340.00	1,821,000
	1992	743	28.90	21,500	Ton	346.00	7,433,000
Lemons	1993	3,061	5.36	16,400	Ton	606.00	9,940,000
	1992	3,376	1.48	5,000	Ton	642.00	3,208,000
Oranges, Navel	1993	22,881	12.80	292,000	Ton	395.00	115,419,000
	1992	b/11,921	8.72	104,000	Ton	446.00	46,347,000
Oranges, Valencia	1993	6,985	15.30	107,000	Ton	474.00	50,684,000
	1992	b/4,986	10.70	53,500	Ton	344.00	18,413,000
Tangerine & Tangelo	1993	1,057	12.30	13,000	Ton	442.00	5,746,000
	1992	1,171	15.60	18,300	Ton	564.00	10,321,000
Processing, All Citrus	1993	---	---	108,000	Ton	19.30	2,085,000
	1992	---	---	59,400	Ton	46.20	2,742,000
GRAPES, ALL	1993	73,719	9.75	718,500	Ton	---	396,394,000
	1992	72,984	8.83	644,380	Ton	---	294,961,000
<u>Raisin Variety</u>	1993	27,126	9.47	256,940	Ton	---	159,683,000
	1992	26,995	8.54	230,430	Ton	---	109,803,000
Fresh Market	1993	---	---	105,000	Ton	961.00	100,907,000
	1992	---	---	99,100	Ton	748.00	74,159,000
Raisins	c/1993	---	---	41,700	Ton	901.00	37,562,000
	c/1992	---	---	14,100	Ton	888.00	12,516,000

# FRUIT AND NUT CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Processing	1993	---	---	12,200	Ton	\$ 238.00	\$ 2,899,000
	1992	---	---	10,400	Ton	236.00	2,459,000
Crushed	1993	---	---	97,000	Ton	184.00	17,873,000
	1992	---	---	106,000	Ton	191.00	20,277,000
Juice	1993	---	---	1,040	Ton	425.00	442,000
	1992	---	---	830	Ton	472.00	392,000
<u>Table Variety</u>	1993	22,056	8.79	193,900	Ton	---	179,127,000
	1992	20,798	9.38	195,200	Ton	---	136,067,000
Fresh Market	1993	---	---	158,000	Ton	1,099.00	173,611,000
	1992	---	---	145,000	Ton	876.00	127,028,000
Crushed	1993	---	---	35,100	Ton	138.00	4,828,000
	1992	---	---	47,700	Ton	172.00	8,196,000
Raisin	1993	---	---	800	Ton	860.00	688,000
	1992	---	---	2,500	Ton	337.00	843,000
<u>Wine Variety</u>	1993	24,537	10.90	267,660	Ton	---	57,584,000
	1992	25,191	8.68	218,750	Ton	---	49,091,000
Crushed	1993	---	---	262,000	Ton	209.00	54,692,000
	1992	---	---	211,000	Ton	213.00	44,985,000
Juice	1993	---	---	5,660	Ton	511.00	2,892,000
	1992	---	---	7,750	Ton	530.00	4,106,000
Kiwi	1993	626	6.57	4,110	Ton	1,377.00	5,658,000
	1992	632	9.26	5,850	Ton	1,314.00	7,684,000
Nectarines	1993	1,837	4.85	8,910	Ton	921.00	8,206,000
	1992	1,742	6.54	11,400	Ton	794.00	9,052,000
Olives	1993	2,017	4.03	8,130	Ton	507.00	4,125,000
	1992	2,188	2.38	5,200	Ton	609.00	3,166,000
Peaches	1993	2,189	6.08	13,300	Ton	835.00	11,100,000
	1992	1,957	6.75	13,200	Ton	723.00	9,538,000
Pistachios	1993	19,713	1.87	d/36,800	Ton	2,683.00	98,745,000
	1992	18,739	2.04	d/38,300	Ton	2,310.00	88,630,000
Plums	1993	3,184	6.60	21,000	Ton	836.00	17,557,000
	1992	3,094	7.43	23,000	Ton	540.00	12,420,000
Walnuts	1993	1,612	2.31	d/3,720	Ton	1,495.00	5,563,000
	1992	1,502	1.03	d/1,550	Ton	1,280.00	1,980,000

# FRUIT AND NUT CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Misc.	e/1993	2,403	---	8,870	Ton	---	\$ 8,005,000
	f/1992	2,200	---	5,820	Ton	---	7,276,000
TOTALS	1993	219,363	---	1,616,880	Ton	---	\$980,043,000
	1992	202,264	---	1,284,760	Ton	---	688,328,000

a/Almond production stated in terms of Nut Meat Equivalents.

b/40% of the bearing orange acreage not harvested because the trees had not yet fully recovered from the 90-91 season freeze.

c/A combined value reflecting free tonnage and reserve tonnage. Total production includes raisins on a Fresh Equivalent basis.

Dry Ratio: 1992 - 4.10 to 1      1993 - 4.44 to 1

d/Pistachio and Walnut production stated in terms of In-shell Equivalents.

e/Includes: Bushberries, Cherries, Figs (Fresh and Dry), Guava/Feijoas, Jojoba, Pecans, All Pears, Persimmons, Pomegranates, and Prunes.

f/Includes: Bushberries, Cherries, Figs (Fresh and Dry), Guava/Feijoas, Jojoba, Pecans, All Pears, Persimmons, Pomegranates, Prunes, and Strawberries.



# FIELD CROPS - 1993

CROP	YEAR	HARVESTED ACRES	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	UNIT VALUE	TOTAL VALUE
Barley	1993	22,664	1.87	42,400	Ton	\$ 96.90	\$ 4,107,000
	1992	11,667	1.03	12,000	Ton	108.00	1,292,000
Beans, Dry Edible	1993	6,340	1.10	6,990	Ton	658.00	4,601,000
	1992	6,510	1.36	8,800	Ton	494.00	4,384,000
Cotton Lint, Acala	1993	248,354	a/1,350	b/668,000	Bale	c/0.70	234,660,000
	1992	223,666	a/1,410	b/629,000	Bale	c/0.69	217,142,000
Cotton Lint, Pima	1993	29,134	a/1,080	b/ 63,000	Bale	c/0.85	26,795,000
	1992	47,575	a/1,380	b/131,000	Bale	c/0.78	51,128,000
Cottonseed, Processing	1993	---	---	253,000	Ton	157.00	39,722,000
	1992	---	---	255,000	Ton	143.00	36,491,000
Hay, Alfalfa	1993	78,568	7.69	604,000	Ton	101.00	60,963,000
	1992	87,784	7.72	678,000	Ton	75.80	51,369,000
Hay, Grain	1993	6,000	1.93	11,600	Ton	66.10	767,000
	1992	18,000	2.36	42,500	Ton	62.10	2,638,000
Hay, Other	1993	3,500	2.55	8,930	Ton	92.70	828,000
	1992	10,000	6.00	60,000	Ton	60.00	3,600,000
Pasture, Irrigated	1993	10,000	---	---	Acre	112.00	1,120,000
	1992	6,000	---	---	Acre	112.00	672,000
Pasture, Other	1993	---	---	---	---	---	2,127,000
	1992	---	---	---	---	---	2,593,000
Pasture, Range	1993	2,236,475	---	---	Acre	5.00	11,182,000
	1992	2,256,398	---	---	Acre	5.00	11,282,000
Safflower	1993	13,510	0.76	10,300	Ton	302.00	3,111,000
	1992	8,019	0.45	3,610	Ton	312.00	1,126,000
Silage & Forage	1993	11,000	23.90	263,000	Ton	17.50	4,592,000
	1992	10,000	20.70	207,000	Ton	16.70	3,454,000
Sugar Beets	1993	9,779	34.30	335,000	Ton	36.50	12,244,000
	1992	9,680	29.10	282,000	Ton	35.00	9,863,000
Wheat	1993	44,447	2.38	106,000	Ton	108.00	11,464,000
	1992	19,822	2.52	50,000	Ton	121.00	6,044,000
Misc.	d/1993	---	---	---	---	---	455,000
	d/1992	---	---	---	---	---	408,000
TOTALS	1993	483,296	---	---	---	---	\$418,738,000
	1992	458,723	---	---	---	---	403,486,000

a/Pounds Lint Per Acre    b/500 Pounds Net Weight Bale    c/Price Per Pound  
d/Includes: Field Corn, Rye, Screenings, Sorghum Grain, and Straw



# VEGETABLE CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Asparagus	1993	613	2.85	1,750	Ton	\$1,850.00	\$ 3,238,000
	1992	840	1.18	991	Ton	1,963.00	1,945,000
Cantaloupes	1993	1,775	11.90	21,100	Ton	327.00	6,909,000
	1992	2,887	12.60	36,500	Ton	237.00	8,655,000
CARROTS, ALL	1993	45,290	33.30	1,510,000	Ton	---	114,988,000
	1992	44,822	27.90	1,250,000	Ton	---	104,382,000
Fresh Market	1993	---	---	755,000	Ton	99.00	74,642,000
	1992	---	---	750,000	Ton	121.00	90,789,000
Processing & Other	1993	---	---	755,000	Ton	53.40	40,346,000
	1992	---	---	500,000	Ton	27.20	13,593,000
Corn, Sweet	1993	605	6.28	3,800	Ton	241.00	915,000
	1992	1,211	6.57	7,960	Ton	192.00	1,528,000
Garlic, Dehydrator	1993	1,039	5.70	5,920	Ton	205.00	1,216,000
	1992	1,948	8.32	16,200	Ton	146.00	2,366,000
Garlic, Fresh	1993	2,899	8.00	23,200	Ton	1,024.00	23,758,000
	1992	2,286	7.39	16,900	Ton	1,100.00	18,634,000
Lettuce, Head	1993	4,340	21.40	92,800	Ton	---	25,653,000
Naked Pack		---	---	72,900	Ton	310.00	22,588,000
Wrapped Pack		---	---	3,500	Ton	226.00	791,000
Bulk Shredder		---	---	16,400	Ton	139.00	2,274,000
Lettuce, Head	1992	6,598	13.70	90,200	Ton	---	15,728,000
Naked Pack		---	---	74,800	Ton	172.00	12,839,000
Wrapped Pack		---	---	6,000	Ton	191.00	1,145,000
Bulk Shredder		---	---	9,400	Ton	186.00	1,744,000
Melons, Other	1993	1,044	13.10	13,700	Ton	291.00	3,993,000
	1992	1,170	9.23	10,800	Ton	231.00	2,495,000
Onions, Fresh	1993	1,517	18.40	27,900	Ton	205.00	5,728,000
	1992	1,901	29.70	56,500	Ton	236.00	13,325,000
Onions, Dehydrator	1993	7,272	19.70	143,000	Ton	105.00	15,070,000
	1992	6,373	18.20	116,000	Ton	77.40	8,976,000
Peppers, Bell	1993	1,679	15.40	25,900	Ton	498.00	12,910,000
	1992	1,281	18.10	23,200	Ton	370.00	8,579,000

# VEGETABLE CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
<b>POTATOES, ALL</b>	1993	20,925	18.40	385,700	Ton	\$ ---	\$ 68,879,000
	1992	18,507	17.80	329,300	Ton	---	42,240,000
<b>Spring Total</b>	1993	18,719	18.70	349,300	Ton	---	60,785,000
	1992	16,289	19.40	316,100	Ton	---	40,142,000
Fresh Market	1993	---	---	236,000	Ton	207.00	48,753,000
	1992	---	---	267,000	Ton	136.00	36,306,000
Processing	1993	---	---	94,400	Ton	125.00	11,806,000
	1992	---	---	27,700	Ton	130.00	3,601,000
Culls	1993	---	---	18,900	Ton	12.00	226,000
	1992	---	---	21,400	Ton	11.00	235,000
<b>Winter Total</b>	1993	2,206	16.50	36,400	Ton	---	8,094,000
	1992	2,218	5.95	13,200	Ton	---	2,098,000
Fresh Market	1993	---	---	33,700	Ton	239.00	8,062,000
	1992	---	---	12,200	Ton	171.00	2,087,000
Culls	1993	---	---	2,700	Ton	11.90	32,000
	1992	---	---	1,000	Ton	11.00	11,000
<b>Tomatoes, Fresh</b>	1993	1,425	10.20	14,600	Ton	372.00	5,435,000
	1992	1,665	17.60	29,300	Ton	351.00	10,286,000
<b>Tomatoes, Processing</b>	1993	3,600	33.90	122,000	Ton	46.50	5,677,000
	1992	2,416	38.80	93,700	Ton	46.20	4,330,000
<b>Watermelons, Seeded</b>	1993	3,167	21.30	67,400	Ton	145.00	9,772,000
	1992	a/3,806	26.30	100,000	Ton	182.00	18,218,000
<b>Watermelons, Seedless</b>	1993	736	16.40	12,100	Ton	243.00	2,946,000
	1992	a/---	---	---	---	---	---
<b>Misc.</b>	b/1993	4,697	---	35,460	Ton	---	13,128,000
	c/1992	<u>4,915</u>	<u>---</u>	<u>32,010</u>	<u>Ton</u>	<u>---</u>	<u>9,396,000</u>
<b>TOTALS</b>	1993	<b>102,623</b>	<b>---</b>	<b>2,506,330</b>	<b>Ton</b>	<b>---</b>	<b>\$320,215,000</b>
	1992	<b><u>102,626</u></b>	<b><u>---</u></b>	<b><u>2,210,561</u></b>	<b><u>Ton</u></b>	<b><u>---</u></b>	<b><u>271,083,000</u></b>

a/1992 Watermelons reported as combined figures for seeded plus seedless varieties.

b/Includes: Beans (snap), Broccoli, Cabbage, Cauliflower, Cherry Tomatoes, Cucumber, Eggplant, Leaf Lettuce, Mixed Greens, Mushrooms, Napa Cabbage, Parsnips, Pea Sprouts, Peppers (Chili and Processing), Pumpkin, Radishes, Rutabagas, Squash, Sweet Potatoes, and Turnips.

c/Includes: Beans (snap), Broccoli, Cabbage, Cauliflower, Chinese Greens, Cucumber, Kale, Leaf Lettuce, Lemongrass, Mustard, Napa Cabbage, Okra, Parsnip, Peas, Peppers (Chili and Processing), Pumpkin, Radishes, Red Beets, Rutabaga, Spinach, Squash, Sweet Potatoes, Swiss Chard, and Turnips.

# NURSERY CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Christmas Trees	1993	---	---	12,600	Tree	\$ ---	\$ 233,000
	1992	---	---	15,000	Tree	---	270,000
Fruit & Nut Trees, Vines	a/1993	664	---	6,882,000	Plant	---	13,000,000
	a/1992	b/247	---	3,568,000	Plant	---	b/10,781,000
Herbaceous Plants	1993	---	---	---	---	---	3,214,000
	1992	---	---	---	---	---	c/4,002,000
Ornamental Trees & Shrubs	a/1993	14	---	148,000	Plant	---	717,000
	1992	---	---	---	---	---	---
Propagative Material	1993	---	---	---	---	---	821,000
	1992	---	---	---	---	---	---
Roses	1993	1,686	---	30,269,000	Plant	1.17	35,523,000
	1992	1,887	---	32,812,000	Plant	1.14	37,515,000
Turf	1993	659	---	28,703,000	Sq Ft	0.21	6,028,000
	1992	<u>587</u>	<u>---</u>	<u>25,549,000</u>	<u>Sq Ft</u>	<u>0.22</u>	<u>5,623,000</u>
TOTALS	1993	3,023	---	---	---	---	\$59,536,000
	1992	<u>2,721</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>58,191,000</u>

a/Includes container grown plants.

b/Includes 1992 ornamental trees and shrubs.

c/Includes 1992 propagative material.



# INDUSTRIAL AND WOOD CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Biomass and Composting	1993	---	---	193,000	Ton	\$ 36.60	\$7,058,000
	1992	---	---	135,000	Ton	28.60	3,865,000
Timber	a/1993	---	---	4,259,000	Brd Ft	---	868,000
	a/1992	---	---	7,400,000	Brd Ft	---	843,000
Wood for Fuel	1993	---	---	3,440	Cord	b/15.40	53,000
	1992	---	---	3,180	Cord	b/11.90	38,000
TOTALS	1993	---	---	---	---	---	\$7,979,000
	1992	---	---	---	---	---	4,746,000

a/Previous year's production and value based on information provided by:  
Timber Tax Division, Property Tax Dept., State Board of Equalization  
b/Price includes U.S. Forest Service Permits for woodcutting.

## SEED CROPS - 1993

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>PRODUCTION PER ACRE</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Cotton	1993	23,271	---	18,200	Ton	a/\$214.00	\$3,888,000
	1992	21,181	---	14,000	Ton	a/ 187.00	2,614,000
Field	b/1993	1,271	---	3,070	Ton	---	838,000
	c/1992	14,408	---	39,600	Ton	---	5,546,000
Vegetable	d/1993	149	---	43	Ton	---	543,000
	e/1992	138	---	89	Ton	---	434,000
TOTALS	1993	f/ 1,420	---	21,313	Ton	---	\$5,269,000
	1992	f/14,546	---	53,689	Ton	---	8,594,000

a/Includes a per acre approval.

b/Includes: Alfalfa, Barley, Blackeyes, Rye, and Wheat

c/Includes: Alfalfa, Barley, Blackeyes, Oats, Rye, and Wheat

d/Includes: Lettuce, Onions, and Peppers

e/Includes: Beans, Lettuce, Mustard, and Onions

f/Does not include cotton acreage.

# LIVESTOCK & POULTRY - 1993

<u>KIND</u>	<u>YEAR</u>	<u>NUMBER OF HEAD</u>	<u>TOTAL LIVEWEIGHT</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Cattle & Calves	1993	32,800	a/223,000	Cwt	\$ 64.60	\$14,410,000
	1992	41,900	a/371,000	Cwt	59.10	21,928,000
Sheep & Lambs	1993	155,089	173,000	Cwt	67.20	11,625,000
	1992	164,070	183,460	Cwt	64.70	11,873,000
Hogs	1993	4,025	8,860	Cwt	50.10	444,000
	1992	4,200	9,240	Cwt	47.10	435,000
Fryers & Roasters	1993	397,000	2,439,000	Lb	0.43	1,041,000
	1992	512,000	3,196,000	Lb	0.42	1,338,000
Ostriches	b/1993	56	---	Each	3,000.00	168,000
	b/1992	60	---	Each	3,750.00	225,000
Misc.	c/1993	---	---	---	---	236,000
	c/1992	---	---	---	---	208,000
TOTALS	1993	---	---	---	---	27,924,000
	1992	---	---	---	---	<u>\$36,007,000</u>

a/Includes Feeder weight, not included in head count

b/Includes Breeders

c/Includes: Fish, Game Birds for meat, and Other

## JANUARY FIRST INVENTORIES LIVESTOCK 1993 - 1994

<u>ITEM</u>	<u>JANUARY 1, 1993</u>	<u>JANUARY 1, 1994</u>
*All Cattle and Calves	175,000	180,000
*Cattle on Feed	46,000	47,000
*Milk Cows, Two Years and Over	18,000	19,000
Stock Sheep and Lambs	*132,000	140,000
*Hogs	2,400	2,300

\*California Crop and Livestock Reporting Service Estimates

# LIVESTOCK AND POULTRY PRODUCTS - 1993

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Milk, Market	1993	6,829,000	Cwt	\$11.25	\$76,818,000
	1992	5,518,000	Cwt	11.40	62,796,000
Milk, Manufacturing	1993	7,880	Cwt	11.04	87,000
	1992	7,160	Cwt	10.90	78,000
Wool	1993	1,788,000	Lb	0.50	894,000
	1992	1,908,000	Lb	0.70	1,336,000
Other Livestock Products	1993	---	---	---	10,557,000
	1992	---	---	---	5,592,000
TOTALS	1993	---	---	---	\$88,356,000
	1992	---	---	---	69,802,000



## APIARY PRODUCTS - 1993

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Honey	1993	1,719,000	Lb	\$ 0.50	\$ 865,000
	1992	625,000	Lb	0.46	288,000
Beeswax	1993	215,000	Lb	1.25	269,000
	1992	30,200	Lb	1.06	32,000
Pollination	1993	201,000	Colony	28.65	5,759,000
	1992	198,000	Colony	33.10	6,544,000
Other Apiary Products	1993	---	---	---	352,000
	1992	---	---	---	114,000
TOTALS	1993	---	---	---	\$7,245,000
	1992	---	---	---	6,978,000

<u>COMMODITY</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>RANGE</u>	<u>ESTIMATED VALUE</u>
Fruit & Nut Crops	1993	219,363	---	\$980,043,000
	1992	202,264	---	688,328,000
Field Crops & Rangeland	1993	483,296	2,236,475	418,738,000
	1992	458,723	2,256,398	403,486,000
Vegetable Crops	1993	102,623	---	320,215,000
	1992	102,626	---	271,083,000
Nursery Crops	1993	3,023	---	59,536,000
	1992	2,721	---	58,191,000
Industrial & Wood Crops	1993	---	---	7,979,000
	1992	---	---	4,746,000
Seed Crops	1993	1,420	---	5,269,000
	1992	14,546	---	8,594,000
Livestock & Poultry	1993	---	---	27,924,000
	1992	---	---	36,007,000
Livestock & Poultry Products	1993	---	---	88,356,000
	1992	---	---	69,802,000
Apiary Products	1993	---	---	7,245,000
	1992	---	---	6,978,000
TOTALS	1993	809,725	2,236,475	\$1,915,305,000
	1992	<u>780,880</u>	<u>2,256,398</u>	<u>1,547,215,000</u>
Total Value Without Timber	1993			\$1,914,437,000
	1992			<u>1,546,372,000</u>

# 1993 CROP VALUE

\$1,915,305,000

16.7% VEGETABLE

3.1% NURSERY

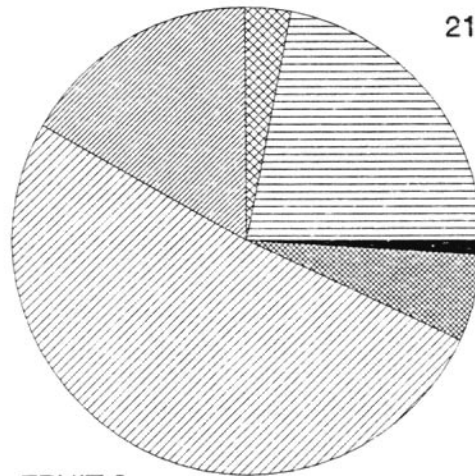
21.9% FIELD &  
RANGE

1.1% MISC.\*

6.1% ANIMALS &  
PRODUCTS

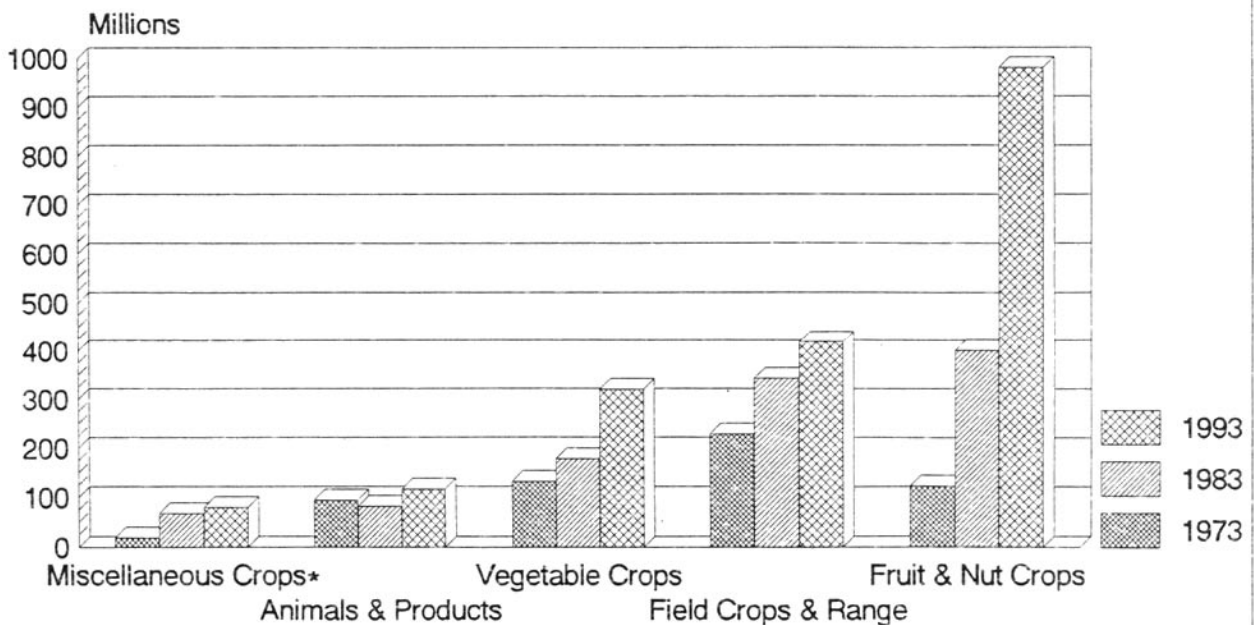
51.2% FRUIT &  
NUT

\*Miscellaneous Includes: Industrial and  
Wood, Seed, and Apiary.



## CROP VALUE COMPARISON

1973 - 1983 - 1993



\*Misc.: Wood, Seed,  
Nursery, & Apiary



# PEST DETECTION INSECT TRAPPING - 1993

<u>Trap Name</u>	<u>Number</u>	<u>Where Deployed</u>
Medfly Jackson Trap	700	Residential Areas
Medfly Jackson Trap	100	Commercial Areas
Oriental FF Jackson Trap	150	Residential Areas
Melon FF Jackson Trap	150	Residential Areas
McPhail Trap	180	Residential Areas
Gypsy Moth Delta Trap	300	Residential Areas
Gypsy Moth Delta Trap	50	High Hazard Areas
Japanese Beetle Trap	300	Residential Areas
Khapra Beetle Trogotrap	95	High Hazard Areas
European Corn Borer Trap	20	High Hazard Areas
European Pine Shoot Moth	10	Nurseries

## Exotic Pests Trapped

Lebec - Grapevine Areas:	7 Sterile Medflies*
Bakersfield Area:	10 Sterile Medflies*
Other Areas:	3 Sterile Medflies*

\*These are sterile medflies released for the eradication program in the Los Angeles basin which have migrated to Kern County. The sterile medflies are released in quarantine areas to mate with wild medflies. A wild female which mates with a sterile male will lay infertile eggs. By saturating the infested area with sterile flies, fewer wild flies will be able to reproduce and eventually the medfly population will die out.

# BIOLOGICAL CONTROL ACTIVITIES - 1993

<u>Pest</u>	<u>Agent</u>	<u>Scope of Program</u>
Yellow Star Thistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	Survey and Monitoring of Population
	Gall Fly <u>Urophora sirunaseva</u>	1 Release and Monitoring of Population
Silverleaf Whitefly <u>Bemisia tabaci</u>	Lady Beetle <u>Delphastus pusillus</u>	3 Releases and Monitoring of Population
	Parasitic Wasp <u>Eretmocerus californicus</u>	3 Releases and Monitoring of Population

## PEST ERADICATION - 1993

PEST	MECHANISM	SCOPE OF PROGRAM
Pink Bollworm <u>Pectinophora gossypiella</u>	Trapping* Sterile Release* Plowdown	30 Native Moths Detected 2004 Fields 277,488 Acres
Dalmatian Toadflax <u>Linaria dalmatica</u>	Hand hoe & Survey	59.5 hours
Halogeton <u>Halogeton glomeratus</u>	Survey	23.5 hours
Camelthorn <u>Alhagi camelorum</u>	Hand hoe	2.0 hours
Scotch Thistle <u>Onopordum acanthium</u>	Survey	2.0 hours
Torrey's Nightshade <u>Solanum dimidiatum</u>	Hand hoe	1.0 hours

\*Cooperative Pink Bollworm Project

## PEST EXCLUSION - 1993

INTERCEPTION*		PATHWAY
Live Pests	9	Post Office
Noxious Weeds	5	Post Office
Improper Certification	111	Post Office
Labelling	23	Post Office
Other	5	Post Office
Improper Certification	20	Parcel Post
Labelling	8	Parcel Post
Other	2	Parcel Post
Live Pests	4	Air
Improper Certification	8	Air
Live Pests	4	Bus
Improper Certification	3	Bus
Other	1	Bus
Live Pests	2	Truck
Improper Certification	4	Truck
Other	1	Truck

\*Kern County intercepted 2 "A" rated, 5 "B" rated, and 5 "Q" rated pests.

## KERN COUNTY EXPORT COUNTRIES - 1993

Albania	Greece	People's Republic of China
American Samoa	Guatemala	Peru
Andorra	Honduras	Phillipines
Argentina	Hong Kong	Poland
Australia	Hungary	Portugal
Austria	Iceland	Puerto Rico
Bahamas	India	Qatar
Bahrain	Indonesia	Republic of Korea
Bangladesh	Ireland	Reunion
Belgium	Israel	Romania
Belize	Italy	Russian Federation
Bermuda	Jamaica	Samoa
Bolivia	Japan	Saudi Arabia
Brazil	Jordan	Seychelles
Canada	Kenya	Singapore
Chile	Kuwait	South Africa
Columbia	Lebanon	Spain
Costa Rica	Liechtenstein	Sri Lanka
Croatia	Luxembourg	Sweden
Cyprus	Malaysia	Switzerland
Czechoslovakia	Martinique	Syria
Denmark	Mauritius	Taiwan
Dominican Republic	Mexico	Thailand
Ecuador	Netherlands	Trinidad and Tobago
Egypt	New Caledonia	Tunisia
El Salvador	New Zealand	Turkey
Federal Republic of Germany	Nicaragua	United Arab Emirates
Fiji	Norway	United Kingdom
Finland	Pakistan	Uruguay
France	Panama	Venezuela
French Polynesia	Papau New Guinea	Zimbabwe

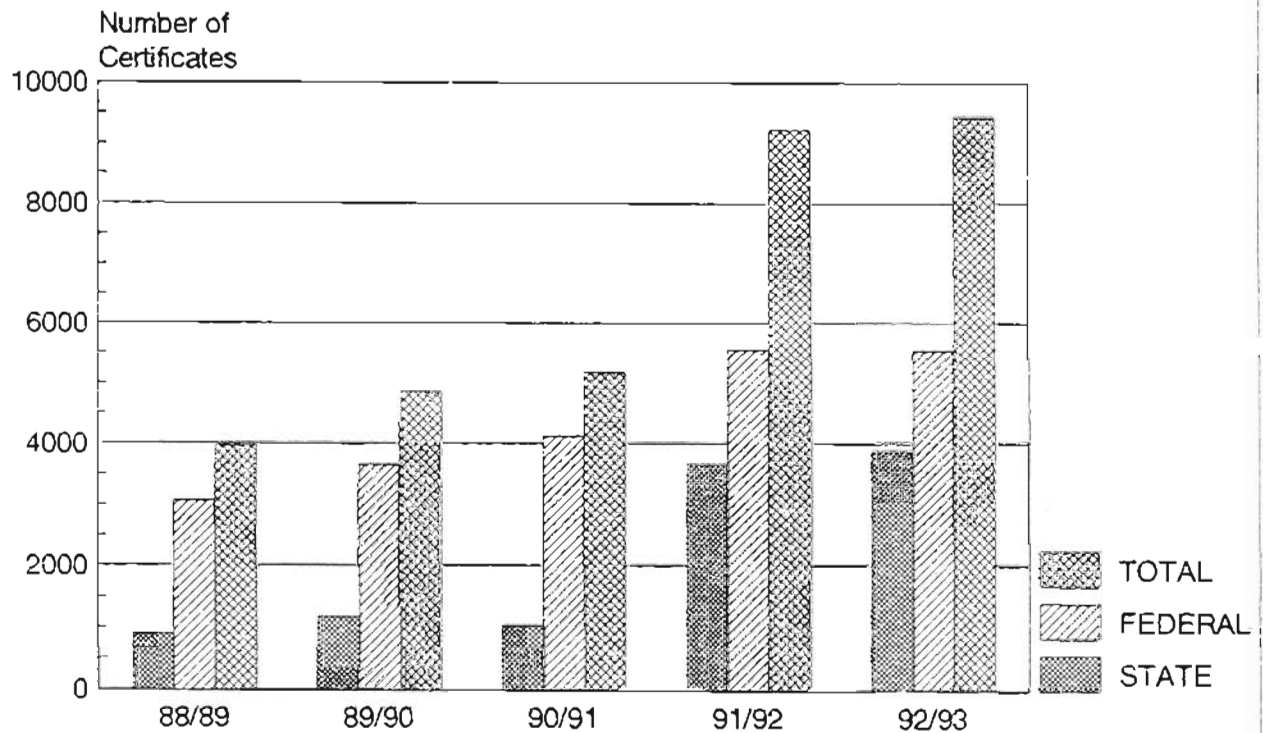
## KERN COUNTY EXPORTED COMMODITIES - 1993

Alfalfa	Cotton*	Melons, Other	Persimmons
Almonds*	Cotton Seed	Nectarines	Pistachios*
Apples	Figs	Nursery Stock,	Plums*
Apricots	Garlic	(Roses & Other)*	Pomegranates
Asparagus	Grapes*	Onions	Potatoes*
Beans, Dry	Hay, Other	Oranges*	Prunes
Carrots*	Honeydews	Peaches*	Seed, Other
Citrus, Other	Kiwi	Pears, Asian	Squash
Corn	Lettuce, Head	Peppers, Bell	Tomatoes

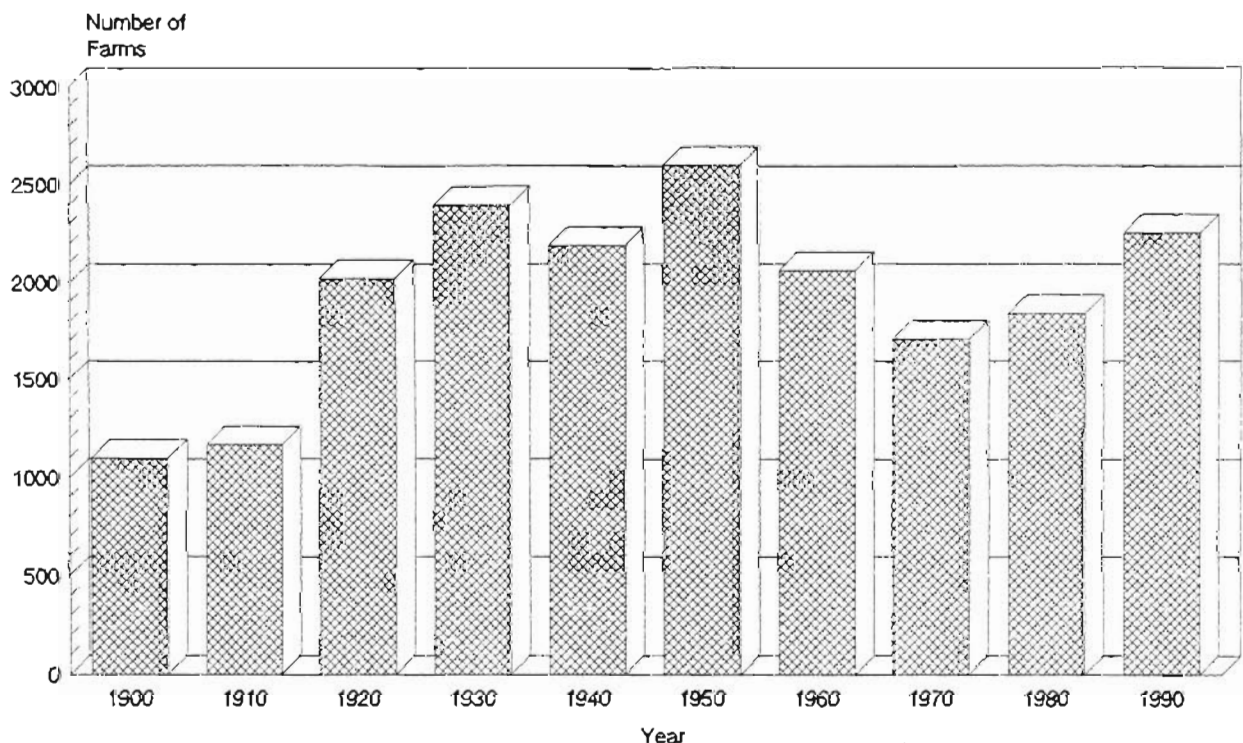
\*Top 10 Exported Commodities

# PHYTOSANITARY CERTIFICATES

Fiscal Year 1988/89 – 1992/93



## NUMBER OF FARMS IN KERN COUNTY 1900-1990



# AFRICANIZED HONEY BEE

The Africanized honey bee is a hybrid resulting from the accidental cross-breeding of European and African honey bees in Brazil in 1957. Once the Africanized honey bees became established in Brazil they started to migrate naturally through South and Central America, and recently they arrived in North America. The first migrating swarm of Africanized honey bees (AHB) found in the United States was captured near Brownsville, Texas, on October 15, 1990. The AHB is now found throughout the states of Texas and Arizona and is expected to enter southern California in the spring of 1994. Since there is no way to stop the natural migration of the AHB, it is important to learn how to live with them. Africanized honey bees are almost identical to the more familiar European honey bees in shape, size, color, honey production, and crop pollination. They differ in that Africanized honey bees defend their nest more aggressively than the European honey bees. They get angry faster, respond more quickly, defend larger areas around their nest, and attack in higher numbers when disturbed. If a person should accidentally disturb an AHB nest, the best thing to do is run and keep running until the bees no longer follow. Swatting at the bees should be avoided as it makes them angrier.

The Africanized honey bee migration into California may have a major impact on the State's economy. In order to eliminate future negative impact to the agricultural and beekeeping industries, the entire agricultural community must work together to educate the general public about the Africanized honey bee. PUBLIC EDUCATION IS ESSENTIAL.

## 1993 ORGANIC FARMING STATISTICS

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Citrus	*	154
Grapes	7	2,682
Field Crops	*	645
Melons	4	62
Mixed Vegetables	7	1,254
Other Fruit & Nut	4	35
Stone Fruit	*	44

\* Fewer than 4 growers

## KERN COUNTY AGRICULTURAL COMMISSIONER - 100 YEARS OF SERVING KERN COUNTY

When the Spanish Mission Fathers came to the San Joaquin Valley, they brought with them grapevines and olive trees. These pioneers are credited with bringing true agriculture to California. Unfortunately, they also brought with them the first foreign insect pests. In the mid 1800's, the first settlers came to Kern County. Most began raising cattle, but, little by little, they planted various crops and fruit trees.

As the 1800's progressed, more unwanted insect pests were introduced into California. This resulted in financial losses for the agricultural and horticultural interests of the state. People began to realize that in order to protect these interests they would have to work together. Various horticultural boards, laws, and regulations were established for the state.

In approximately 1882, the Kern County Board of Supervisors appointed a County Board of Horticultural Commissioners consisting of three people. The first mention of a single Horticultural Commissioner is in the Board of Supervisors' minutes of March 14, 1893: "H. C. Park is hereby appointed a special Horticultural Commissioner to inspect the nursery of Hunt Brothers of Bakersfield and report to this Board upon the condition thereof." The next known Horticultural Commissioner was Colonel L. W. Burr in the year 1900.

The Kern County Horticultural Commissioner's office was originally established to carry out quarantine and pest exclusion duties - some examples being the inspection of incoming fruit trees before planting and the treatment of infested orchards. The Fresh Fruit Act of 1915 provided for fruit standardization and gave Horticultural Commissioners enforcement powers that later extended to vegetables, nuts, honey, and eggs. In 1929 the Horticultural Commissioner's title was changed to Agricultural Commissioner, as it is referred to today.

The Kern County Agricultural Commissioner's first office was located in the back of the Hermitage Saloon in downtown Bakersfield. It was then briefly located in the old Southern Cigar Store, and then, more appropriately, an office was put in the courthouse building, which later became City Hall. In 1912, the Commissioner's office was moved to the new courthouse. Later in 1938, an office building at 2610 M Street was dedicated for the Kern County Agricultural Commissioner and the University of California Cooperative Extension Services. The department was located at that site until 1986, when it was briefly located on Norris Road, and then moved to 1001 S. Mt. Vernon, where it is located today.

The first hiring of an inspector by a commissioner took place in 1914 when Kent Knowlton hired Lou Kanstein. By 1935, the department had grown to thirteen people, including two secretarial staff. Today the department consists of over forty employees.

Over the years, the department has helped the agricultural industry deal with pest infestations, including the mice invasion of Taft in 1927 and the grasshoppers of 1946. Many effective quarantines have been in existence for decades such as: the Cotton Bollweevil, the Japanese Beetle, the Gypsy Moth, Peach Mosaic disease, and the Colorado Potato Beetle. Eradications and control of pests have taken place, including Camelthorn, Khapra Beetle, Africanized Bee (1985), and, most recently, the Ash Whitefly.

The Pesticide Use Enforcement biologists handle a wide variety of responsibilities. This program has helped growers through the myriad of pesticide regulations and has helped protect workers who handle pesticides. They investigate pesticide-related episodes and public complaints.

The Kern County Agricultural Commissioner's office helps maintain the quality and integrity of produce and seed commodities that are produced and exported from Kern County. The general public can be confident that the nursery stock they buy is free from quarantined pests. The staff also provide information and services that are difficult, if not impossible, to obtain elsewhere.

It is with pride and pleasure that the Agricultural Commissioner's Office celebrates 100 plus years of service to the public and agricultural industry of Kern County.

**AGRICULTURAL COMMISSIONER**

Theodore K. Davis

**ASSISTANT AGRICULTURAL COMMISSIONER**

Louie I. Cervantes

**DEPUTY AGRICULTURAL COMMISSIONERS**

Jack E. Marks

David J. Moore

**STAFF BIOLOGIST**

David S. Daoud

**AGRICULTURAL BIOLOGIST IV'S**

Steven H. Groves, Shafter

Charles L. Jackson, Delano/McFarland

Calvin E. Langston, Edison/Bakersfield

Barry H. Marlett, Tehachapi

Matthew R. Peet, Pest Exclusion

Douglas I. Roye, Mettler

Samuel A. Vorhees, Wasco

Steven G. Watson, Arvin/Lamont

Robert L. Wegis, Pesticides

Richard L. White, Fruit & Veg.

**AGRICULTURAL BIOLOGISTS**

Irene M. Acosta

Lanette M. Bankston

James A. Brackeen

Jacquelyn K. Bressler

Craig M. Foy

Edward W. Greynolds

Darin B. Heard

Nancy J. Holland

Craig Hudson

Alpha A. Kamara

Kenneth W. Kenney

Myron K. Kimmel

Gary A. Klawitter

Marilou S. Lagasca

Cortney Lapp

Albert C. McCoy

G. Duane Orullian

Mark R. Sabin

Joseph V. Sithole

Raymond M. Valles

M. Sharon Wilbur

Michael R. Williams

**TRAPPER**

Thomas A. Robinson

**CLERICAL**

Sharon S. Cornelison

Senior Secretary

Nancy L. Finzel

Typist Clerk III

Barbara McMillian

Data Entry Operator II

Bonita M. Christolear

Account Clerk IV

Kathryn F. Stramler

Account Clerk III

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Account Clerk II