



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

aesearch@umn.edu

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Kern County

1990-1994

DEPARTMENT OF AGRICULTURE

THEODORE K. DAVIS
Agricultural Commissioner

LOUIE I. CERVANTES
Assistant Commissioner

1001 South Mt. Vernon Ave.
Bakersfield - 93307
Telephone (805) 861-2308



1990

Mr. Henry Voss, Director
Calif. Dept. of Food & Agriculture

- and -

The Honorable Board of Supervisors
County of Kern

I am pleased to submit the 1990 Agricultural Crop Report, which was compiled in accordance with Section 2279 of the California Food and Agriculture Code.

Cotton has once again established itself as the number one crop primarily due to increased Pima variety acreage. All varieties of cotton had increased acres, yields and price.

Watermelons showed a 52% increase with increased acres and a doubling of the price. Other crops with increased acres and price were: Nectarines (47%); Cattle & Calves (38%); Apples (35%); Lettuce and Peaches (31%).

Crops showing the biggest losses were: Onions (53%); Sugar Beets (33%); Almonds (21%); and Nursery Crops (20%). Losses were due to reduced acres and prices.

The affects of the December 1990 freeze and the fifth year of drought will be reflected in the 1991 Crop Report.

The period from 1980 to 1990 showed a 31% increase in agricultural production for Kern County, while the harvested acres remained relatively constant.

The 1990 total value of \$1,837,516,000 was a 12.5% increase over 1989. This however, represents a **GROSS** receipt of producers and **DOES NOT** take into account the various costs of production, marketing, and transportation. **NO ATTEMPT IS MADE TO REFLECT NET INCOME OF THE PRODUCER.**

Respectfully submitted,

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

Theodore K. Davis
Agricultural Commissioner

TKD:sc

PERMANENT ACREAGE - 1990

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Almonds	1990	73,526	7,831	81,357
	1989	71,905	4,236	76,141
Apples	1990	4,686	205	4,891
	1989	3,032	1,803	4,835
Apricots	1990	622	123	745
	1989	625	74	699
Avocados	1990	-0-	-0-	-0-
	1989	23	-0-	23
Cherries	1990	64	1	65
	1989	68	1	69
Figs	1990	477	-0-	477
	1989	477	-0-	477
Grapefruit	1990	1,479	347	1,826
	1989	1,479	210	1,689
GRAPES, All	1990	74,711	4,235	78,946
	1989	76,305	4,412	80,717
Raisin	1990	26,830	958	27,788
	1989	27,042	520	27,562
Table	1990	20,099	1,991	22,090
	1989	20,358	2,482	22,840
Wine	1990	27,782	1,286	29,068
	1989	28,905	1,410	30,315
Guava/Feijoa	1990	24	9	33
	1989	24	9	33
Jojoba	1990	460	263	723
	1989	435	263	698
Kiwi	1990	893	-0-	893
	1989	896	-0-	896
Lemons	1990	3,606	72	3,678
	1989	3,760	56	3,816
Nectarines	1990	1,509	715	2,224
	1989	1,355	377	1,732
Olives	1990	2,581	41	2,622
	1989	3,146	41	3,187
ORANGES, All	1990	27,426	8,229	35,655
	1989	22,069	8,758	30,827
Navel	1990	19,812	5,288	25,100
	1989	16,928	5,809	22,737

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Valencia	1990	6,492	2,769	9,261
	1989	5,141	2,949	8,090
Tangerines & Tangelos	1990	1,122	172	1,294
	1989	1,133	92	1,225
Peaches	1990	1,802	533	2,335
	1989	1,570	549	2,119
Pears	1990	72	324	396
	1989	98	308	406
Pecans	1990	706	12	718
	1989	647	12	659
Persimmons	1990	76	51	127
	1989	39	79	118
Pistachios	1990	17,475	5,286	22,761
	1989	15,751	3,178	18,929
Plums	1990	3,241	327	3,568
	1989	3,252	542	3,794
Pomegranates	1990	304	145	449
	1989	453	-0-	453
Prunes	1990	118	-0-	118
	1989	204	16	220
Walnuts	1990	1,825	32	1,857
	1989	1,825	32	1,857
Misc.*	1990	1	64	65
	1989	-0-	-0-	-0-
TOTALS	1990	217,684	28,845	246,529
	1989	210,571	25,051	235,622

* Includes: Kumquat, Loquat and Plumcot

CROP	YEAR	HARVESTED ACRES	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	UNIT VALUE	TOTAL VALUE
Barley	1990	18,730	1.98	37,100	Ton	\$ 123.00	\$ 4,562,000
	1989	20,558	2.03	42,000	Ton	105.00	4,410,000
Beans, Dry Edible	1990	11,127	1.36	15,100	Ton	574.00	8,671,000
	1989	11,361	1.30	15,000	Ton	527.00	7,905,000
Corn, Field	1990	5,521	4.45	24,600	Ton	115.00	2,825,000
	1989	4,097	4.90	20,000	Ton	110.00	2,200,000
Cotton Lint, Acala	1990	287,644	a/1200	b/690,000	Bale	c/ .77	265,783,000
	1989	270,945	a/1180	b/639,000	Bale	c/ .72	230,195,000
Cotton Lint, Pima	1990	24,460	a/1270	b/ 62,000	Bale	c/1.09	33,860,000
	1989	---	---	---	---	---	---
Cottonseed, Processing	1990	---	---	303,000	Ton	175.00	53,025,000
	1989	---	---	257,000	Ton	130.00	33,410,000
Hay, Alfalfa	1990	108,891	8.04	875,000	Ton	99.30	86,848,000
	1989	93,542	8.50	795,000	Ton	98.00	77,910,000
Hay, Grain	1990	24,000	2.49	59,800	Ton	84.30	5,038,000
	1989	24,000	2.30	55,000	Ton	88.00	4,858,000
Hay, Other	1990	15,000	4.00	60,000	Ton	80.00	4,800,000
	1989	15,000	3.00	45,000	Ton	70.00	3,150,000
Pasture, Irrigated	1990	7,000	---	---	Acre	110.00	770,000
	1989	7,000	---	---	Acre	300.00	2,100,000
Pasture, Other	1990	---	---	---	---	---	3,554,000
	1989	---	---	---	---	---	3,008,000
Pasture, Range	1990	2,096,713	---	---	Acre	5.50	11,532,000
	1989	2,292,135	---	---	Acre	5.50	12,607,000
Rice	1990	584	3.17	1,850	Ton	130.00	241,000
	1989	532	3.80	2,000	Ton	140.00	279,000
Safflower	1990	5,504	1.45	7,980	Ton	299.00	2,386,000
	1989	5,918	1.70	10,000	Ton	313.00	3,130,000
Silage & Forage	1990	16,500	17.00	281,000	Ton	19.70	5,524,000
	1989	16,000	25.00	400,000	Ton	16.00	6,400,000
Sorghum Grain	1990	651	2.80	1,820	Ton	96.00	175,000
	1989	1,584	2.45	4,000	Ton	92.00	368,000
Sugar Beets	1990	13,215	27.10	358,000	Ton	38.30	13,727,000
	1989	19,040	27.10	516,000	Ton	39.70	20,485,000
Wheat	1990	30,128	3.00	90,400	Ton	118.00	10,665,000
	1989	27,257	2.90	79,000	Ton	134.00	10,592,000
Misc.	d/1990	---	---	---	---	---	1,778,000
	d/1989	---	---	---	---	---	401,000
TOTALS	1990	568,955	---	---	---	---	\$ 515,764,000
	1989	516,834	---	---	---	---	423,408,000

a/Pounds Lint Per Acre

b/500 Pounds Net Weight Bale

c/Price Per Pound

d/Includes: Rye, Straw & Screenings

INDUSTRIAL CROPS - 1990

<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, Raw Material:							
Woodchips	1990	---	---	134,000	Ton	\$ 33.90	\$ 4,548,000
	1989	---	---	---	---	---	---
Timber a/	1990	---	---	7,174,000	Brd.Ft.	---	1,292,000
	1989	---	---	19,000,000	Brd.Ft.	---	1,253,000
TOTALS	1990	---	---	---	---	---	\$ 5,840,000
	1989	---	---	---	---	---	1,253,000

a/Previous year's production and value based on information provided by:
Timber Tax Division, Property Tax Dept., State Board of Equalization

SEED CROPS - 1990

<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 a/	1990	12,670	---	12,800	Ton	\$ 253.00	b/\$3,234,000
	1989	15,061	---	10,000	Ton	232.00	b/ 2,411,000
Grain c/	1990	8,995	---	21,500	Ton	---	3,280,000
	1989	17,662	---	46,000	Ton	---	6,639,000
Vegetable d/	1990	2,412	---	1,460	Ton	---	2,293,000
	1989	4,537	---	3,000	Ton	---	2,034,000
TOTALS	1990	24,077	---	35,760	Ton	---	\$ 8,807,000
	1989	22,199	---	59,000	Ton	---	\$11,084,000

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

b/ Includes: \$30.00 per acre approval.

c/ Includes: Alfalfa, Barley, Oats and Wheat.

d/ Includes: Beets, Broccoli, Cabbage, Cauliflower, Cowpeas, Lettuce, Mustard, Onion, Peas, and Turnip.

FRUIT AND NUT CROPS - 1990

<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*	1990	73,526	.85	62,300	Ton	\$1,720.00	\$ 107,106,000
	1989	71,905	.870	63,000	Ton	2,200.00	138,600,000
Almond By-Products	1990	---	---	139,000	Ton	76.90	10,694,000
	1989	---	---	129,000	Ton	82.23	10,607,000
APPLES, All*	1990	4,686	17.41	81,600	Ton	---	34,013,000
	1989	3,032	12.86	39,000	Ton	---	22,179,000
Fresh	1990	---	---	45,500	Ton	688.00	31,292,000
	1989	---	---	32,000	Ton	675.00	21,600,000
Proc.	1990	---	---	36,100	Ton	75.40	2,721,000
	1989	---	---	7,000	Ton	78.00	579,000
Apricot	1990	622	5.20	3,230	Ton	1,070.00	3,444,000
	1989	625	3.00	2,000	Ton	1,050.00	2,100,000
CITRUS, All	1990	32,969	13.26	437,300	Ton	---	153,561,000
	1989	30,434	12.78	389,000	Ton	---	139,610,000
Grapefruit	1990	1,479	20.76	30,700	Ton	276.00	8,474,000
	1989	1,479	17.60	26,000	Ton	433.00	11,271,000
Lemons	1990	3,606	8.87	32,000	Ton	700.00	22,390,000
	1989	3,760	10.20	38,000	Ton	570.00	21,861,000
Oranges, Navel	1990	20,812	9.70	203,000	Ton	405.00	82,229,000
	1989	18,505	9.60	178,000	Ton	396.00	70,488,000
Oranges, Valencia	1990	5,950	8.80	52,500	Ton	410.00	21,530,000
	1989	5,557	9.70	54,000	Ton	446.00	24,084,000
Tangerine & Tangelo	1990	1,122	7.20	8,100	Ton	973.00	7,881,000
	1989	1,133	5.25	6,000	Ton	536.00	3,216,000
Proc., All Citrus	1990	---	---	111,000	Ton	100.00	11,057,000
	1989	---	---	87,000	Ton	100.00	8,690,000
GRAPES, All	1990	75,633	7.92	599,000	Ton	---	286,702,000
	1989	76,305	7.89	602,000	Ton	---	278,341,000
Raisin Variety	1990	26,830	7.00	188,000	Ton	---	117,495,000
	1989	27,042	7.60	206,000	Ton	---	117,545,000
Fresh Market	1990	---	---	121,385	Ton	852.00	103,420,000
	1989	---	---	132,000	Ton	766.00	101,112,000
**Raisins Dry Wgt.	1990	---	---	6,000	Ton	900.00	5,400,000
	1989	---	---	6,600	Ton	905.00	5,973,000
Proc.	1990	---	---	9,990	Ton	220.00	2,197,000
	1989	---	---	10,800	Ton	210.00	2,268,000
Crushed	1990	---	---	51,000	Ton	127.00	6,478,000
	1989	---	---	53,000	Ton	130.00	6,890,000
Juice	1990	---	---	---	---	---	---
	1989	---	---	3,500	Ton	370.00	1,302,000

CROP	YEAR	HARVESTED ACRES	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	UNIT VALUE	TOTAL VALUE
Table	1990	20,099	7.96	160,000	Ton	\$ ---	\$ 132,033,000
Variety	1989	20,358	7.50	152,000	Ton	---	116,506,000
Fresh	1990	---	---	140,000	Ton	929.00	130,050,000
Market	1989	---	---	126,000	Ton	901.00	113,724,000
Crushed	1990	---	---	20,000	Ton	99.00	1,983,000
	1989	---	---	26,000	Ton	107.00	2,782,000
Wine	1990	28,704	8.74	251,000	Ton	---	37,174,000
Variety	1989	28,905	8.44	244,000	Ton	---	44,290,000
Crushed	1990	---	---	243,700	Ton	141.00	34,378,000
	1989	---	---	235,000	Ton	172.00	40,420,000
Juice	1990	---	---	7,200	Ton	388.00	2,796,000
	1989	---	---	9,000	Ton	430.00	3,870,000
Kiwi*	1990	896	3.20	2,860	Ton	1,380.00	3,955,000
	1989	896	4.70	4,000	Ton	1,600.00	6,738,000
Nectarines*	1990	2,144	7.80	16,700	Ton	827.00	13,813,000
	1989	1,355	8.00	11,000	Ton	673.00	7,295,000
Olives	1990	2,734	5.00	13,700	Ton	454.00	6,221,000
	1989	2,322	1.83	4,000	Ton	558.00	2,372,000
Peaches	1990	2,842	5.50	15,600	Ton	893.00	13,927,000
	1989	1,570	7.80	12,000	Ton	798.00	9,576,000
Pear, Asian	1990	117	4.30	500	Ton	952.00	476,000
	1989	---	---	---	---	---	---
Pistachios*	1990	17,475	1.85	32,300	Ton	2,399.00	77,484,000
	1989	15,751	.42	6,600	Ton	3,280.00	21,648,000
Plums*	1990	3,241	6.00	19,400	Ton	874.00	16,957,000
	1989	3,252	6.20	20,000	Ton	614.00	12,380,000
Walnuts*	1990	1,825	1.82	3,320	Ton	1,053.00	3,495,000
	1989	1,825	2.30	4,000	Ton	1,000.00	4,000,000
Misc.***	1990	2,357	---	3,160	Ton	---	4,560,000
	1989	2,708	---	5,000	Ton	---	4,433,000
TOTALS	1990	221,067	---	1,429,970	---	---	\$ 736,408,000
	1989	211,980	---	1,290,600	---	---	659,879,000

*Includes production from young orchards officially classified as non-bearing. Almond production stated in terms of Nut Meat Equivalents. Pistachio and Walnut production stated in terms of In-shell Equivalents.

**A combined value reflecting free tonnage and reserve tonnage. Total production includes raisins on a Fresh Equivalent Basis.

Dry Ratio: 1989 - 4.30 to 1

1990 - 4.30 to 1

***Includes: Bushberries, Cherry, Figs (Fresh)(Dry), Jojoba, Pecan, Persimmon, Pomegranate and Prune.

VEGETABLE CROPS - 1990

<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	1990	861	2.50	2,150	Ton	\$1,250.00	\$ 2,688,000
	1989	853	2.14	2,000	Ton	1,633.00	2,981,000
CARROTS, ALL	1990	29,552	28.46	841,000	Ton	---	154,835,000
	1989	28,304	25.00	708,000	Ton	---	134,392,000
Fresh Mkt.	1990	---	---	505,000	Ton	292.00	147,350,000
	1989	---	---	425,000	Ton	300.00	127,500,000
Proc. & Other	1990	---	---	336,000	Ton	22.30	7,485,000
	1989	---	---	283,000	Ton	24.40	6,892,000
Garlic, Dehydrator	1990	1,576	7.68	12,100	Ton	160.00	1,937,000
	1989	1,391	8.40	12,000	Ton	193.00	2,316,000
Garlic, Fresh	1990	1,851	6.97	12,900	Ton	1,200.00	15,482,000
	1989	1,660	6.30	10,000	Ton	1,201.00	12,010,000
<u>Lettuce, Head</u>	1990	7,878	18.60	146,300	Ton	---	31,952,000
Naked Pack		---	---	134,500	Ton	221.00	29,773,400
Wrapped Pack		---	---	5,500	Ton	220.00	1,210,600
Bulk Shredder		---	---	6,300	Ton	154.00	968,000
<u>Lettuce, Head</u>	1989	9,250	13.00	120,500	Ton	---	21,886,000
Naked Pack		---	---	110,000	Ton	181.00	19,902,000
Wrapped Pack		---	---	5,500	Ton	197.00	1,084,000
Bulk Shredder		---	---	5,000	Ton	180.00	900,000
Cantaloupes	1990	3,433	9.25	31,800	Ton	288.00	9,145,000
	1989	2,077	11.30	23,000	Ton	258.00	6,055,000
Melons, Other	1990	2,447	6.70	16,200	Ton	432.00	7,013,000
	1989	3,858	8.80	34,000	Ton	182.00	6,188,000
Watermelons	1990	4,183	20.50	85,800	Ton	205.00	17,579,000
	1989	3,230	24.60	80,000	Ton	106.00	8,480,000
Onions, Fresh	1990	1,254	20.30	25,500	Ton	142.00	3,616,000
	1989	3,700	23.80	88,000	Ton	240.00	21,120,000
Onions, Dehydrator	1990	5,860	22.30	131,000	Ton	75.00	9,802,000
	1989	6,060	18.00	109,000	Ton	70.10	7,641,000
POTATOES, ALL	1990	23,887	17.66	421,800	Ton	---	93,308,000
	1989	22,034	18.70	412,000	Ton	---	80,057,000
<u>Spring Total</u>	1990	21,414	18.73	401,000	Ton	---	85,484,000
	1989	19,484	20.22	394,000	Ton	---	76,439,000
Fresh Market	1990	---	---	310,000	Ton	250.00	77,525,000
	1989	---	---	267,000	Ton	255.00	68,085,000

VEGETABLE CROPS - 1990

<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>
Proc.	1990	---	---	68,400	Ton	114.00	7,798,000
	1989	---	---	73,000	Ton	110.00	8,030,000
Culls	1990	---	---	23,000	Ton	7.00	161,000
	1989	---	---	54,000	Ton	6.00	324,000
<u>Winter Total</u>	1990	2,473	8.41	20,800	Ton	---	7,824,000
	1989	2,550	7.06	18,000	Ton	---	3,618,000
Fresh Market	1990	---	7.90	19,500	Ton	401.00	7,815,000
	1989	---	---	15,000	Ton	240.00	3,600,000
Culls	1990	---	---	1,300	Ton	7.00	9,100
	1989	---	---	3,000	Ton	6.00	18,000
Tomatoes, Processing	1990	5,200	32.70	170,000	Ton	55.20	9,384,000
	1989	3,000	42.60	130,000	Ton	52.10	6,773,000
Misc.*	1990	9,865	---	87,600	Ton	---	33,835,000
	1989	10,005	---	71,000	Ton	---	26,206,000
TOTALS	1990	97,847	---	1,984,150	Ton	---	\$ 390,576,000
	1989	95,422	---	1,799,500	Ton	---	336,105,000

*Includes: Beets, Broccoli, Cabbage, Corn (fresh), Cucumber, Eggplant, Garbanzo beans, Green Onions, Herbs, Parsnips, Peas (processing), Peppers (fresh & processing), Potatoes (pee wee), Pumpkins, Radish, Rutabaga, Snap beans (fresh & processing), Squash, Tomato (fresh), Turnips and Yams.

NURSERY CROPS - 1990

CROP	YEAR	HARVESTED ACRES	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	UNIT VALUE	TOTAL VALUE
Christmas Trees	1990	---	---	13,700	Tree	\$ ---	\$ 270,000
	1989	---	---	13,000	Tree	---	253,000
Fruit, Nut* & Vine Plnt.	1990	262	---	3,629,000	Plnt.	---	11,288,000
	1989	219	---	2,800,000	Plnt.	---	6,506,000
Ornamental Trees & Shrubs	1990	16	---	153,000	Plnt.	---	406,000
	1989	41	---	215,000	Plnt.	---	1,143,000
Rose Plnts.	1990	1,957	---	30,214,000	Plnt.	1.09	32,933,000
	1989	2,380	---	38,954,000	Plnt.	1.37	53,367,000
Plnt., Prop. Mat. & Cut Flowers**	1990	712	---	---	---	---	12,300,000
	1989	847	---	---	---	---	10,284,000
TOTALS	1990	2,947	---	---	---	---	\$ 57,197,000
	1989	<u>3,487</u>	---	---	---	---	<u>71,553,000</u>

*Includes container grown plants.

**Total Value includes Greenhouse production.

LIVESTOCK AND POULTRY - 1990

KIND	YEAR	NO. of HEAD	TOTAL LIVEWEIGHT	UNIT	UNIT VALUE	TOTAL VALUE
Cattle & Calves	1990	108,968	622,000	Cwt.	\$ 65.40	\$ 40,699,000
	1989	71,240	407,000	Cwt.	62.20	25,306,000
Sheep & Lambs	1990	182,286	204,000	Cwt.	60.30	12,296,000
	1989	187,093	209,000	Cwt.	71.10	14,875,000
Hogs	1990	4,000	7,700	Cwt.	58.40	450,000
	1989	5,000	12,000	Cwt.	46.30	535,000
Broilers & Roasters	1990	801,500	6,045,000	Lb.	.395	2,388,000
	1989	792,200	5,704,000	Lb.	.395	2,253,000
Misc.*	1990	---	---	---	---	74,000
	1989	---	---	---	---	114,000
TOTALS	1990	---	---	---	---	\$ 55,907,000
	1989	---	---	---	---	<u>43,118,000</u>

*Miscellaneous Includes: Other chickens and game birds for meat.

LIVESTOCK AND POULTRY PRODUCTS - 1990

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Milk	1990	4,399,000	Cwt.	\$ 11.71	\$ 51,515,000
Market	1989	3,825,000	Cwt.	12.22	46,742,000
Mfg.	1990	3,600	Cwt.	10.83	39,000
	1989	3,200	Cwt.	11.60	37,000
Wool	1990	2,041,000	lb.	1.10	2,245,000
	1989	1,908,000	lb.	1.613	3,078,000
Other Livestock Products	1990	---	---	---	6,042,000
	1989	---	---	---	4,155,000
TOTALS	1990	---	---	---	\$ 59,841,000
	1989	---	---	---	54,012,000

APIARY PRODUCTS - 1990

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Honey	1990	786,000	lb.	\$.49	\$ 385,000
	1989	822,000	lb.	.54	444,000
Beeswax	1990	31,600	lb.	1.10	35,000
	1989	33,000	lb.	1.03	34,000
Pollination	1990	238,107	Colony	28.18	6,709,000
	1989	211,000	Colony	28.60	6,035,000
Other Apiary Products	1990	---	---	---	47,000
	1989	---	---	---	---
TOTALS	1990	---	---	---	\$ 7,176,000
	1989	---	---	---	6,513,000

JANUARY 1st INVENTORIES

LIVESTOCK
1990 - 1991

<u>I T E M</u>	<u>January 1, 1990</u>	<u>January 1, 1991</u>
*All Cattle and Calves	215,000	175,000
*Cattle on Feed	55,000	51,500
*Milk Cows, Two Years and Over	19,300	17,100
*Stock Sheep and Lambs	170,100	128,000
*Hogs	3,000	2,000

*Estimates of California Crop and Livestock Reporting Service

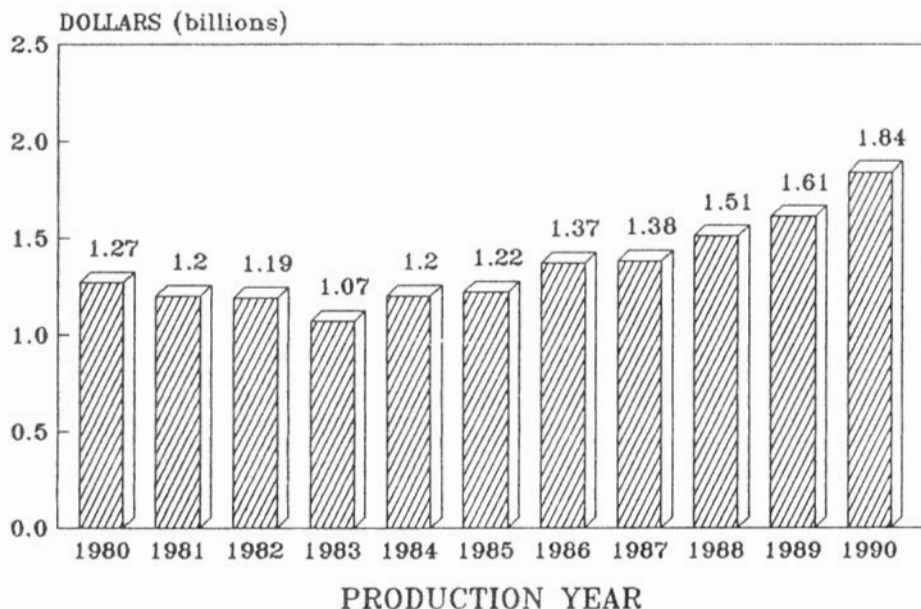
SUMMARY - 1990

<u>COMMODITY</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>RANGE</u>	<u>ESTIMATED VALUE</u>
Field Crops & Rangeland	1990	568,955	2,096,713	\$ 515,764,000
	1989	516,834	2,292,135	423,408,000
Industrial Crops	1990	---	---	5,840,000
	1989	---	---	1,253,000
Seed Crops	1990	24,077	---	8,807,000
	1989	22,199	---	11,084,000
Fruit & Nut Crops	1990	221,067	---	736,408,000
	1989	211,980	---	659,879,000
Vegetable Crops	1990	97,847	---	390,576,000
	1989	95,422	---	336,105,000
Nursery Crops	1990	2,947	---	57,197,000
	1989	3,487	---	71,553,000
Livestock & Poultry	1990	---	---	55,907,000
	1989	---	---	43,118,000
Livestock & Poultry Products	1990	---	---	59,841,000
	1989	---	---	54,012,000
Apiary Products	1990	---	---	7,176,000
	1989	---	---	6,513,000
TOTALS	1990	914,893	2,096,713	\$1,837,516,000
	1989*	849,922	2,292,135	1,606,925,000

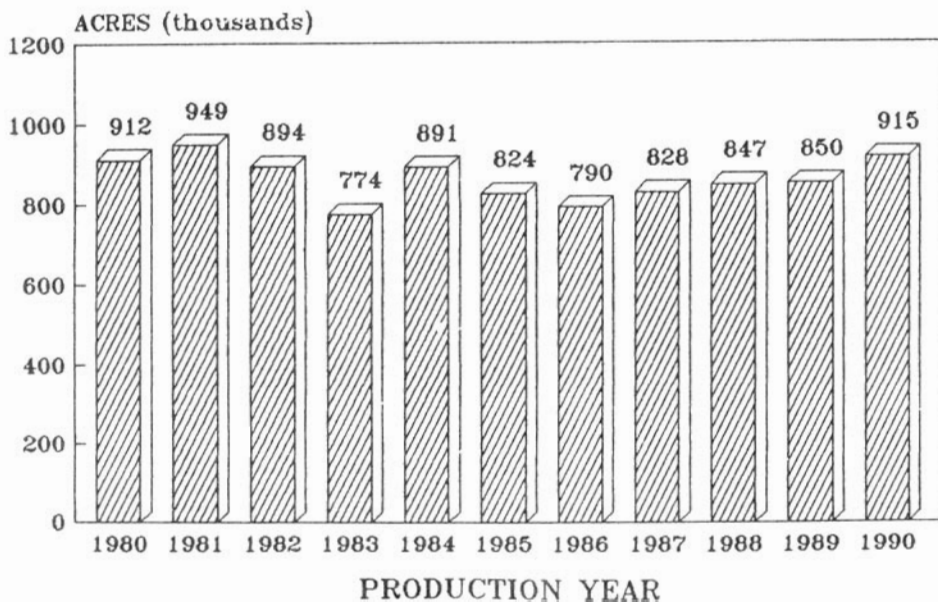
* Revised

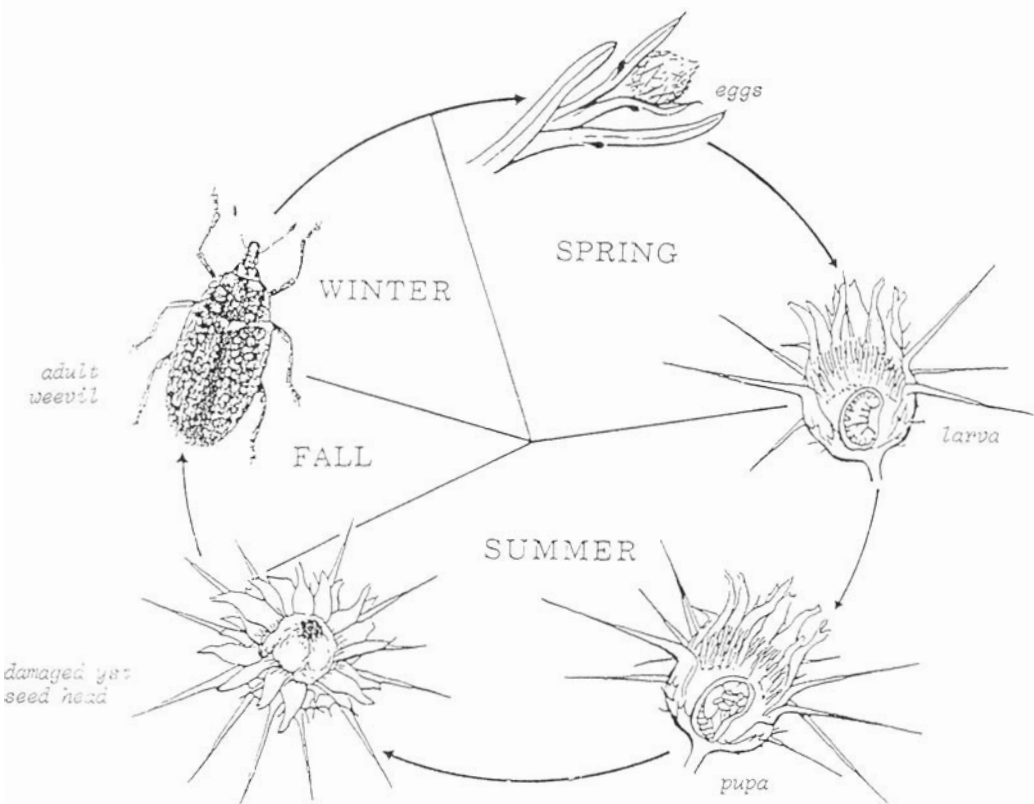
A DECADE IN REVIEW

TOTAL VALUE



HARVESTED ACRES





Life cycle of the seed head weevil *Bangasternus orientalis*.

The seed head weevil has been introduced to Kern County as an agent for the biological control of yellow starthistle (yst). Yellow starthistle is a troublesome weed, especially in rangelands, due to its potential to form dense stands which reduce forage capacity and interfere with grazing.

KERN COUNTY ANNUAL SUSTAINABLE AGRICULTURE REPORT

County Biological Control

Pest	Agent	Scope of Program
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed head weevil <u>Bangasternus orientalis</u>	Survey Releases -- 2 sites
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic wasp <u>Encarsia partenopea</u>	Survey Releases -- 7 sites Monitor population

Pest Eradication

Pest	Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Trapping Sterile Release Plowdown	2,202 Fields 312,104 Acres 1,588 Native Moths Detected

Pest Exclusion

Interception	Pathway	Disposition
Live Insects	Bus	1 rejected/returned to shipper
Improper Certification	Post Office	37 rejected/returned to shipper
Inspected, Questionable Quarantine	Post Office	3 released
Live Insects	Post Office	9 rejected/8 destroyed, 1 returned to shipper
Noxious Weeds	Post Office	2 rejected/returned to shipper
Canada Thistle	Rail	6 rejected/sent to approved mill
Fire Ants	Truck	5 rejected/3 treated, 2 returned to shipper
Improper Certification	Truck	2 rejected/returned to shipper
Live Insects	Truck	2 rejected/destroyed
Noxious Weeds	Truck	4 rejected/returned to shipper
Improper Certification	Parcel Post	11 rejected/returned to shipper
Inspected Questionable Quarantine	Parcel Post	9 released
Noxious Seed	Parcel Post	1 rejected/returned to shipper

ORGANIC FARMING STATISTICS

Crop	Number of Farms	Estimated Acres
Broccoli	1	390
Cabbage	1	15
Cantaloupes	1	40
Carrots	2	1,288
Cauliflower	1	50
Grapes	3	1,359
Green Onions	1	30
Lettuce	1	105
Persimmons	1	19
Potatoes	1	200

CROP REPORT COVER

Sheep and lambs are a common sight in spring on the pastures of Kern County. Historically, Kern County has been a leading county in the production of sheep, lambs and wool.

CROP REPORT COMPILED BY

M. Sharon Wilbur
Agricultural Biologist III

-and-

Jacquelyn Bressler
Agricultural Biologist III

COVER PHOTOGRAPH

Courtesy
Kern County
Board of Trade



CROP REPORT COVER

Though small in number, our greenhouse nurseries produce a colorful variety of plants and comprise a good portion of our total nursery value. All together, nurseries are Kern County's 1991 number eight crop.

Crop Report Compiled by:

Jacquelyn Bressler, Agricultural Biologist III
Cortney Lapp, Agricultural Biologist III
- & -
Matthew Peet, Agricultural Biologist III

DEPARTMENT OF AGRICULTURE

THEODORE K. DAVIS
Agricultural Commissioner

LOUIE I. CERVANTES
Assistant Commissioner

1001 South Mt. Vernon Ave.
Bakersfield - 93307
Telephone (805) 861-2306
FAX (805) 397-5097



1991

Mr. Henry Voss, Director
Calif. Dept. of Food & Agriculture

- and -

The Honorable Board of Supervisors
County of Kern

I am pleased to submit the 1991 Agricultural Crop Report, which was compiled in accordance with Section 2279 of the California Food and Agriculture Code.

This year's report will give a definitive look at the impact of both the December 1990 freeze, and the sixth year of the drought. These two events combined to decrease the total value of agriculture in Kern County by 17%. The 1991 total value is \$1,521,542,000, down \$315,974,000 from 1990.

Citrus showed a loss in value of 56% due to the December 1990 freeze. Only 28% of the citrus crop for 1991 was harvested.

Cattle and calves also showed a loss of 56% due to the effects of the long running drought. Another effect of the drought was a 34% decrease in the value of cotton; 75,800 acres were left idle by the lack of water. Cotton dropped to the number two crop, behind grapes.

Not all the news is bad! Onions had both an increase in acres and price, to reflect a 139% increase over the 1990 crop value. Other increases were realized in: apples 30%; peaches 28%; almonds 11% and nursery crops 9%. Bell peppers went from a miscellaneous crop in 1990 to the number 18 crop in 1991, primarily due to increased price.

These figures represent a **GROSS** receipt of producers and **DOES 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 cursive script, appearing to read "Theodore K. Davis".

Theodore K. Davis
Agricultural Commissioner

TKD:sc

AGRICULTURAL COMMISSIONER

Theodore K. Davis

ASSISTANT AGRICULTURAL COMMISSIONER

Louie I. Cervantes

DEPUTY AGRICULTURAL COMMISSIONERS

Steven H. Groves

Jack E. Marks

David J. Moore

STAFF BIOLOGIST

David S. Daoud

DISTRICT AGRICULTURAL INSPECTOR/BIOLOGISTS

Steven G. Watson, Arvin/Lamont
Charles L. Jackson, Delano/McFarland
Calvin E. Langston, Edison/Bakersfield

Barry H. Marlett, Tehachapi
Douglas I. Roye, Mettler
Gene Stark, Shafter
Robert L. Wegis, Wasco

AGRICULTURAL INSPECTOR/BIOLOGISTS

Irene M. Acosta
Lanette M. Bankston
James A. Brackeen
Jacquelyn Bressler
M. Michael Chrichi
Craig M. Foy
Edward W. Greymolds
Darin B. Heard
Nancy J. Holland
Craig Hudson
Alpha A. Kamara
Kenneth W. Kenney
Myron K. Kimmel

Gary A. Klawitter
Marilou S. Lagasca
Courtney Lapp
Albert C. McCoy
G. Duane Orullian
Matthew R. Peet
Lori L. Raborg
Joseph V. Sithole
Raymond M. Valles
Samuel A. Vorhees
Richard L. White
M. Sharon Wilbur
Michael R. Williams

TRAPPERS

Thomas A. Robinson

CLERICAL

Sharon S. Cornelison
Senior Secretary

Nancy L. Finzel
Typist Clerk III

Barbara McMillian
Data Entry Operator I

Bonita M. Christolear
Account Clerk IV

Helen J. Stennes
Account Clerk III

Kathryn F. Stramler
Account Clerk II

1. Grapes	\$ 252,031,000
2. Cotton, Including Cottonseed	231,213,000
3. Carrots, Fresh & Processed	145,599,000
4. Almonds, Including By-Products	130,184,000
5. Potatoes, Fresh & Processed	88,060,000
6. Citrus, Including Processed	67,452,000
7. Hay, Alfalfa	66,321,000
8. Nursery Crops	62,128,000
9. Pistachios	56,309,000
10. Milk, Market	51,251,000
11. Apples, Fresh & Processed	44,068,000
12. Onions, Fresh & Dehydrator	32,069,000
13. Lettuce, Head	29,923,000
14. Plums	19,554,000
15. Garlic, Fresh & Dehydrator	18,344,000
16. Peaches	17,847,000
17. Cattle & Calves	17,774,000
18. Peppers, Bell	17,223,000
19. Pasture, Range	13,419,000

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Almonds	1991	66,811	8,250	75,061
	1990	73,526	7,831	81,357
Apples	1991	4,663	318	4,981
	1990	4,686	205	4,891
Apricots	1991	560	139	699
	1990	622	123	745
Cherries	1991	64	31	95
	1990	64	1	65
Figs	1991	477	-0-	477
	1990	477	-0-	477
Grapefruit	1991	1,330	299	1,629
	1990	1,479	347	1,826
GRAPES, All	1991	72,763	5,404	78,167
	1990	74,711	4,235	78,946
Raisin	1991	26,276	1,238	27,514
	1990	26,830	958	27,788
Table	1991	19,899	3,463	23,362
	1990	20,099	1,991	22,090
Wine	1991	26,588	703	27,291
	1990	27,782	1,286	29,068
Guava/Feijoa	1991	25	8	33
	1990	24	9	33
Jojoba	1991	784	263	1,047
	1990	460	263	723
Kiwi	1991	727	-0-	727
	1990	893	-0-	893
Lemons	1991	3,202	96	3,298
	1990	3,606	72	3,678
Nectarines	1991	1,572	823	2,395
	1990	1,509	715	2,224
Olives	1991	2,577	41	2,618
	1990	2,581	41	2,622
ORANGES, All	1991	29,124	7,031	36,155
	1990	27,426	8,229	35,655
Navel	1991	21,437	3,918	25,355
	1990	19,812	5,288	25,100

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Valencia	1991	6,503	2,948	9,451
	1990	6,492	2,769	9,261
Tangerines & Tangelos	1991	1,184	165	1,349
	1990	1,122	172	1,294
Peaches	1991	1,946	386	2,332
	1990	1,802	533	2,335
Pears	1991	113	331	444
	1990	72	324	396
Pecans	1991	706	12	718
	1990	706	12	718
Persimmons	1991	98	34	132
	1990	76	51	127
Pistachios	1991	19,075	7,437	26,512
	1990	17,475	5,286	22,761
Plums	1991	3,271	97	3,368
	1990	3,241	327	3,568
Pomegranates	1991	470	145	615
	1990	304	145	449
Prunes	1991	118	-0-	118
	1990	118	-0-	118
Walnuts	1991	1,573	64	1,637
	1990	1,825	32	1,857
Misc.*	1991	1	64	65
	1990	1	64	65
TOTALS	1991	212,047	31,273	243,323
	1990	217,684	28,845	246,529

* Includes: Kumquat, Loquat and Plumcot

<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>
Barley	1991	8,336	2.10	17,500	Ton	\$ 121.00	\$ 2,118,000
	1990	18,730	1.98	37,100	Ton	123.00	4,562,000
Beans, Dry Edible	1991	11,031	1.23	13,500	Ton	437.00	5,901,000
	1990	11,127	1.36	15,100	Ton	574.00	8,671,000
Cotton Lint, Acala	1991	208,632	a/1256	b/524,000	Bale	c/ .70	181,974,000
	1990	287,644	a/1200	b/690,000	Bale	c/ .77	265,783,000
Cotton Lint, Pima	1991	15,687	a/ 921	b/ 28,900	Bale	c/ .99	14,288,000
	1990	24,460	a/1270	b/ 62,000	Bale	c/1.09	33,860,000
Cottonseed, Processing	1991	---	---	221,000	Ton	158.00	34,951,000
	1990	---	---	303,000	Ton	175.00	53,025,000
Hay, Alfalfa	1991	109,033	8.18	892,000	Ton	74.40	66,321,000
	1990	108,891	8.04	875,000	Ton	99.30	86,848,000
Hay, Grain	1991	26,400	2.67	70,500	Ton	46.90	3,306,000
	1990	24,000	2.49	59,800	Ton	84.30	5,038,000
Hay, Other	1991	13,500	6.04	81,500	Ton	76.70	6,254,000
	1990	15,000	4.00	60,000	Ton	80.00	4,800,000
Pasture, Irrigated	1991	6,000	---	---	Acre	112.00	672,000
	1990	7,000	---	---	Acre	110.00	770,000
Pasture, Other	1991	---	---	---	---	---	2,031,000
	1990	---	---	---	---	---	3,554,000
Pasture, Range	1991	2,236,447	---	---	Acre	6.00	13,419,000
	1990	2,096,713	---	---	Acre	5.50	11,532,000
Rice	1991	---	---	---	---	---	---
	1990	584	3.17	1,850	Ton	130.00	241,000
Safflower	1991	6,625	1.04	6,900	Ton	265.00	1,828,000
	1990	5,504	1.45	7,980	Ton	299.00	2,386,000
Silage & Forage	1991	14,000	16.58	232,000	Ton	15.70	3,635,000
	1990	16,500	17.00	281,000	Ton	19.70	5,524,000
Sugar Beets	1991	8,847	24.20	214,000	Ton	37.30	7,975,000
	1990	13,215	27.10	358,000	Ton	38.30	13,727,000
Wheat	1991	12,212	2.61	31,900	Ton	110.00	3,506,000
	1990	30,128	3.00	90,400	Ton	118.00	10,665,000
Misc.	d/1991	---	---	---	---	---	267,000
	d/1990	---	---	---	---	---	1,778,000
TOTALS	1991	440,303	---	---	---	---	\$ 348,446,000
	1990	568,955	---	---	---	---	515,764,000

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

<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, Raw Material:							
Woodchips	1991	---	---	176,000	Ton	\$ 31.30	\$ 5,513,000
	1990	---	---	134,000	Ton	33.90	4,548,000
Timber a/	1991	---	---	2,509,000	Brd.Ft.	---	295,000
	1990	---	---	7,174,000	Brd.Ft.	---	1,292,000
Wood for Fuel	1991	---	---	3,090	Cord	b/9.71	30,000
	1990	---	---	---	---	---	---
TOTALS	1991	---	---	---	---	---	\$ 5,838,000
	1990	---	---	---	---	---	5,840,000

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.

SEED CROPS - 1991

<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 a/	1991	16,663	---	11,500	Ton	\$ 183.00	b/\$2,107,000
	1990	12,670	---	12,800	Ton	253.00	b/ 3,234,000
Grain c/	1991	16,295	---	40,600	Ton	---	6,288,000
	1990	8,995	---	21,500	Ton	---	3,280,000
Vegetable d/	1991	346	---	2,760	Ton	---	1,331,000
	1990	2,412	---	1,460	Ton	---	2,293,000
TOTALS	1991	16,641	---	54,860	Ton	---	\$ 9,726,000
	1990	11,407	---	35,760	Ton	---	8,807,000

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

b/ Includes: \$30.00 per acre approval.

c/ Includes: Alfalfa, Barley, Oats, Safflower and Wheat.

d/ Includes: Cauliflower, Lettuce, Mustard, Onion, Pepper, and Seed Potatoes.

<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*	1991	66,811	.79	52,800	Ton	\$2,320.00	\$ 122,452,000
	1990	73,526	.85	62,300	Ton	1,720.00	107,106,000
Almond	1991	---	---	118,000	Ton	65.50	7,732,000
By-Products	1990	---	---	139,000	Ton	76.90	10,694,000
APPLES, All*	1991	4,663	18.10	84,400	Ton	---	44,068,000
	1990	4,686	17.41	81,600	Ton	---	34,013,000
Fresh	1991	---	---	58,300	Ton	692.00	40,367,000
	1990	---	---	45,500	Ton	688.00	31,292,000
Proc.	1991	---	---	26,100	Ton	142.00	3,701,000
	1990	---	---	36,100	Ton	75.40	2,721,000
Apricot	1991	560	4.70	2,630	Ton	1,370.00	3,609,000
	1990	622	5.20	3,230	Ton	1,070.00	3,444,000
CITRUS, All	1991	21,437	6.88	147,400	Ton	---	67,452,000
	1990	32,969	13.26	437,300	Ton	---	153,561,000
Grapefruit	1991	---	---	---	Ton	---	---
	1990	1,479	20.76	30,700	Ton	276.00	8,474,000
Lemons	1991****	---	---	---	Ton	---	---
	1990	3,606	8.87	32,000	Ton	700.00	22,390,000
Oranges, Navel	1991	21,437	5.50	118,000	Ton	547.00	64,512,000
	1990	20,812	9.70	203,000	Ton	405.00	82,229,000
Oranges, Valencia	1991****	---	---	---	Ton	---	---
	1990	5,950	8.80	52,500	Ton	410.00	21,530,000
Tangerine & Tangelo	1991	---	---	---	Ton	---	---
	1990	1,122	7.20	8,100	Ton	973.00	7,881,000
Proc., All Citrus	1991	---	---	29,400	Ton	100.00	2,940,000
	1990	---	---	111,000	Ton	100.00	11,057,000
GRAPES, All	1991	72,763	6.97	507,400	Ton	---	252,031,000
	1990	75,633	7.92	599,000	Ton	---	286,702,000
Raisin <u>Variety</u>	1991	26,276	5.96	156,500	Ton	---	93,986,000
	1990	26,830	7.00	188,000	Ton	---	117,495,000
Fresh Market	1991	---	---	86,200	Ton	855.00	73,718,000
	1990	---	---	121,385	Ton	852.00	103,420,000
**Raisins Dry Wgt.	1991	---	---	10,500	Ton	992.00	10,419,000
	1990	---	---	6,000	Ton	900.00	5,400,000
Proc.	1991	---	---	12,800	Ton	222.00	2,846,000
	1990	---	---	9,990	Ton	220.00	2,197,000
Crushed	1991	---	---	47,000	Ton	149.00	7,003,000
	1990	---	---	51,000	Ton	127.00	6,478,000

<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>
Table Variety	1991	19,899	7.13	141,900	Ton	\$ ---	\$ 121,186,000
	1990	20,099	7.96	160,000	Ton	---	132,033,000
Fresh Market	1991	---	---	120,000	Ton	985.00	118,235,000
	1990	---	---	140,000	Ton	929.00	130,050,000
Crushed	1991	---	---	21,900	Ton	135.00	2,951,000
	1990	---	---	20,000	Ton	99.00	1,983,000
Wine Variety	1991	26,588	7.86	209,000	Ton	---	36,859,000
	1990	28,704	8.74	251,000	Ton	---	37,174,000
Crushed	1991	---	---	196,000	Ton	158.00	30,971,000
	1990	---	---	243,700	Ton	141.00	34,378,000
Juice	1991	---	---	13,000	Ton	453.00	5,888,000
	1990	---	---	7,200	Ton	388.00	2,796,000
Kiwi*	1991	727	4.04	2,940	Ton	1,785.00	5,249,000
	1990	896	3.20	2,860	Ton	1,380.00	3,955,000
Nectarines*	1991	1,572	7.06	11,100	Ton	799.00	8,865,000
	1990	2,144	7.80	16,700	Ton	827.00	13,813,000
Olives	1991	2,577	.19	500	Ton	762.00	381,000
	1990	2,734	5.00	13,700	Ton	454.00	6,221,000
Peaches	1991	1,946	10.10	19,700	Ton	906.00	17,847,000
	1990	2,842	5.50	15,600	Ton	893.00	13,927,000
Pistachios*	1991	19,075	1.12	21,300	Ton	2,640.00	56,309,000
	1990	17,475	1.85	32,300	Ton	2,399.00	77,484,000
Plums*	1991	3,271	7.00	22,900	Ton	854.00	19,554,000
	1990	3,241	6.00	19,400	Ton	874.00	16,957,000
Walnuts*	1991	1,573	1.94	3,050	Ton	1,100.00	3,369,000
	1990	1,825	1.82	3,320	Ton	1,053.00	3,495,000
Misc.***	1991	3,056	---	4,340	Ton	---	5,388,000
	1990	2,357	---	3,160	Ton	---	4,560,000
TOTALS	1991	209,757	---	998,460	Ton	---	\$ 614,306,000
	1990	221,067	---	1,429,970	Ton	---	736,408,000

*Includes production from young orchards officially classified as non-bearing. Almond production stated in terms of Nut Meat Equivalents. Pistachio and Walnut production stated in terms of In-shell Equivalents.

**A combined value reflecting free tonnage and reserve tonnage. Total production includes raisins on a Fresh Equivalent Basis.

Dry Ratio: 1990 - 4.30 to 1 1991 - 4.64 to 1

***Includes: Bushberries, Cherry, Figs (Fresh)(Dry), Lemons, Jojoba, Pecan, Asian Pear, Persimmon, Pomegranate, Prune, Valencia Oranges and Strawberries.

****Due to the freeze during the 90-91 season, these crops are included in the miscellaneous total.

<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	1991	693	1.57	1,090	Ton	\$1,772.00	\$ 1,932,000
	1990	861	2.50	2,150	Ton	1,250.00	2,688,000
CARROTS, ALL	1991	35,000	28.50	996,000	Ton	---	145,599,000
	1990	29,552	28.46	841,000	Ton	---	154,835,000
Fresh Mkt.	1991	---	---	598,000	Ton	230.00	137,414,000
	1990	---	---	505,000	Ton	292.00	147,350,000
Proc. & Other	1991	---	---	398,000	Ton	20.60	8,185,000
	1990	---	---	336,000	Ton	22.30	7,485,000
Corn, Sweet	1991	1,067	7.36	7,850	Ton	209.00	1,641,000
	1990	---	---	---	Ton	---	---
Garlic, Dehydrator	1991	1,374	10.70	14,600	Ton	144.00	2,107,000
	1990	1,576	7.68	12,100	Ton	160.00	1,937,000
Garlic, Fresh	1991	1,615	9.16	14,800	Ton	1,100.00	16,237,000
	1990	1,851	6.97	12,900	Ton	1,200.00	15,482,000
<u>Lettuce, Head</u>	1991	6,647	19.78	131,490	Ton	---	29,923,000
Naked Pack		---	---	101,000	Ton	243.00	24,509,000
Wrapped Pack		---	---	8,790	Ton	263.00	2,310,000
Bulk Shredder		---	---	21,700	Ton	143.00	3,104,000
<u>Lettuce, Head</u>	1990	7,878	18.60	146,300	Ton	---	31,952,000
Naked Pack		---	---	134,500	Ton	221.00	29,773,400
Wrapped Pack		---	---	5,500	Ton	220.00	1,210,600
Bulk Shredder		---	---	6,300	Ton	154.00	968,000
Cantaloupes	1991	2,356	7.30	17,200	Ton	168.00	2,897,000
	1990	3,433	9.25	31,800	Ton	288.00	9,145,000
Melons, Other	1991	1,225	5.68	6,960	Ton	661.00	4,604,000
	1990	2,447	6.70	16,200	Ton	432.00	7,013,000
Watermelons	1991	3,484	21.50	75,000	Ton	119.00	8,930,000
	1990	4,183	20.50	85,800	Ton	205.00	17,579,000
Onions, Fresh	1991	5,000	23.00	115,000	Ton	195.00	22,386,000
	1990	1,254	20.30	25,500	Ton	142.00	3,616,000
Onions, Dehydrator	1991	6,887	18.20	125,000	Ton	77.50	9,683,000
	1990	5,860	22.30	131,000	Ton	75.00	9,802,000
Peppers, Bell	1991	1,716	13.40	22,900	Ton	7.52	17,223,000
	1990	---	---	---	Ton	---	---

<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>
POTATOES, ALL	1991	22,619	20.20	456,900	Ton	---	88,060,000
	1990	23,887	17.66	421,800	Ton	---	93,308,000
<u>Spring Total</u>	1991	19,658	22.40	440,400	Ton	---	83,971,000
	1990	21,414	18.73	401,000	Ton	---	85,484,000
Fresh Market	1991	---	---	323,000	Ton	227.00	73,245,000
	1990	---	---	310,000	Ton	250.00	77,525,000
Proc.	1991	---	---	91,600	Ton	114.00	10,442,000
	1990	---	---	68,400	Ton	114.00	7,798,000
Culls	1991	---	---	25,800	Ton	11.00	284,000
	1990	---	---	23,000	Ton	7.00	161,000
<u>Winter Total</u>	1991	2,961	5.57	16,500	Ton	---	4,089,400
	1990	2,473	8.41	20,800	Ton	---	7,824,000
Fresh Market	1991	---	---	15,300	Ton	266.00	4,076,000
	1990	---	---	19,500	Ton	401.00	7,815,000
Culls	1991	---	---	1,200	Ton	11.20	13,400
	1990	---	---	1,300	Ton	7.00	9,100
Tomatoes, Processing	1991	4,100	34.80	142,500	Ton	54.00	7,695,000
	1990	5,200	32.70	170,000	Ton	55.20	9,384,000
Turnips	1991	781	5.10	3,980	Ton	232.00	922,000
	1990	---	---	---	Ton	---	---
Misc.*	1991	5,268	---	62,100	Ton	---	25,439,000
	1990	9,865	---	87,600	Ton	---	33,835,000
TOTALS	1991	99,832	---	2,193,370	Ton	---	\$ 385,278,000
	1990	97,847	---	1,984,150	Ton	---	390,576,000

*Includes: Beets, Beans (Snap-Fresh & Processing), Broccoli, Cabbage, Cauliflower, Cucumbers, Eggplant, Misc. Lettuce, Napa Cabbage, Parsnips, Peas, Peppers (Chili & Processing), Pumpkins, Radishes, Rutabagas, Sweet Potatoes, Squash, Tomatoes (Fresh), and Yams.

<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	1991	---	---	10,900	Tree	\$ ---	\$ 215,000
	1990	---	---	13,700	Tree	---	270,000
Fruit, Nut* & Vine Plnt.	1991	256	---	3,750,000	Plnt.	---	11,539,000
	1990	262	---	3,629,000	Plnt.	---	11,288,000
Ornamental Trees & Shrubs	1991	15	---	133,000	Plnt.	---	462,000
	1990	16	---	153,000	Plnt.	---	406,000
Rose Plnts.	1991	2,033	---	33,119,000	Plnt.	1.12	37,093,000
	1990	1,957	---	30,214,000	Plnt.	1.09	32,933,000
Plnt., Prop. Mat. & Cut Flowers**	1991	---	---	---	---	---	5,434,000
	1990	712	---	---	---	---	12,300,000
Turf	1991	777	---	33,846,000	Sq. Ft.	.22	7,385,000
	1990	---	---	---	---	---	---
TOTALS	1991	3,081	---	---	---	---	\$ 62,128,000
	1990	2,947	---	---	---	---	57,197,000

*Includes container grown plants.

**Total Value includes Greenhouse production.

LIVESTOCK AND POULTRY - 1991

<u>KIND</u>	<u>YEAR</u>	<u>NO. of HEAD</u>	<u>TOTAL LIVEWEIGHT</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Cattle & Calves	1991	35,000	277,300	Cwt.	\$ 64.10	\$ 17,774,000
	1990	108,968	622,000	Cwt.	65.40	40,699,000
Sheep & Lambs	1991	175,000	195,500	Cwt.	57.60	11,252,000
	1990	182,286	204,000	Cwt.	60.30	12,296,000
Hogs	1991	3,500	7,700	Cwt.	57.90	446,000
	1990	4,000	7,700	Cwt.	58.40	450,000
Broilers & Roasters	1991	784,000	5,878,000	lb.	.40	2,351,000
	1990	801,500	6,045,000	lb.	.395	2,388,000
Ostrich*	1991	55	---	Each	2,855.00	157,000
	1990	---	---	Each	---	---
Misc.**	1991	---	---	---	---	128,000
	1990	---	---	---	---	74,000
TOTALS	1991	---	---	---	---	\$ 32,108,000
	1990	---	---	---	---	55,907,000

*Includes breeders

**Miscellaneous Includes: Other chickens and game birds for meat, and fish.

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Milk	1991	4,685,000	Cwt.	\$ 10.90	\$ 51,251,000
Market	1990	4,399,000	Cwt.	11.71	51,515,000
Mfg.	1991	6,000	Cwt.	10.20	61,000
	1990	3,600	Cwt.	10.83	39,000
Wool	1991	1,990,000	lb.	.55	1,096,000
	1990	2,041,000	lb.	1.10	2,245,000
Other	1991	---	---	---	5,180,000
Livestock	1990	---	---	---	6,042,000
Products					
TOTALS	1991	---	---	---	\$ 57,588,000
	1990	---	---	---	59,841,000

APIARY PRODUCTS - 1991

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Honey	1991	750,000	lb.	\$.52	\$ 390,000
	1990	786,000	lb.	.49	385,000
Beeswax	1991	30,200	lb.	1.16	35,000
	1990	31,600	lb.	1.10	35,000
Pollination	1991	203,000	Colony	28.00	5,684,000
	1990	238,107	Colony	28.18	6,709,000
Other Apiary	1991	---	---	---	15,000
Products	1990	---	---	---	47,000
TOTALS	1991	---	---	---	\$ 6,124,000
	1990	---	---	---	7,176,000

JANUARY 1st INVENTORIES

LIVESTOCK 1991 - 1992

<u>I T E M</u>	<u>January 1, 1991</u>	<u>January 1, 1992</u>
*All Cattle and Calves	175,000	169,000
*Cattle on Feed	51,500	46,000
*Milk Cows, Two Years and Over	17,100	18,000
*Stock Sheep and Lambs	128,000	128,000
*Hogs	2,000	2,000

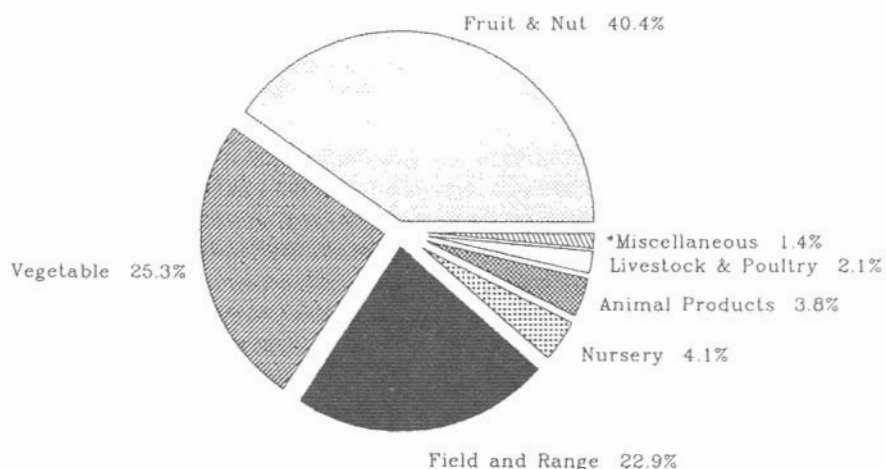
*Estimates of California Crop and Livestock Reporting Service

<u>COMMODITY</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>RANGE</u>	<u>ESTIMATED VALUE</u>
Field Crops & Rangeland	1991	440,303	2,213,828	\$ 348,446,000
	1990	568,955	2,096,713	515,764,000
Industrial Crops	1991	---	---	5,838,000
	1990	---	---	5,840,000
Seed Crops	1991	16,641	---	9,726,000
	1990*	11,407	---	8,807,000
Fruit & Nut Crops	1991	209,757	---	614,306,000
	1990	221,067	---	736,408,000
Vegetable Crops	1991	99,832	---	385,278,000
	1990	97,847	---	390,576,000
Nursery Crops	1991	3,081	---	62,128,000
	1990	2,947	---	57,197,000
Livestock & Poultry	1991	---	---	32,108,000
	1990	---	---	55,907,000
Livestock & Poultry Products	1991	---	---	57,588,000
	1990	---	---	59,841,000
Apiary Products	1991	---	---	6,124,000
	1990	---	---	7,176,000
TOTALS	1991	769,614	2,213,828	\$1,521,542,000
	1990*	902,223	2,096,713	1,837,516,000

* Revised

1991 CROP VALUE

\$1,521,542,000

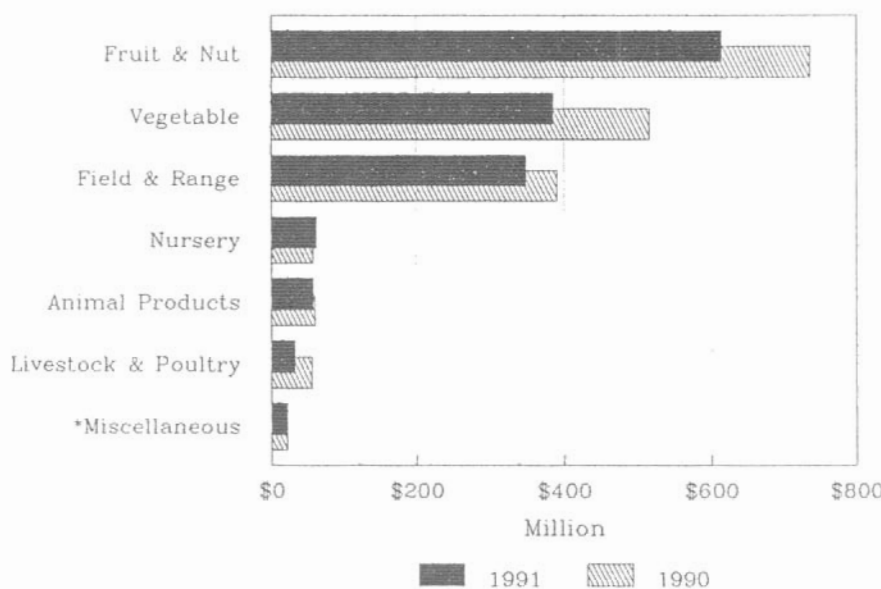


% OF TOTAL VALUE BY CATEGORY

*Miscellaneous: Industrial, Seed, Apiary

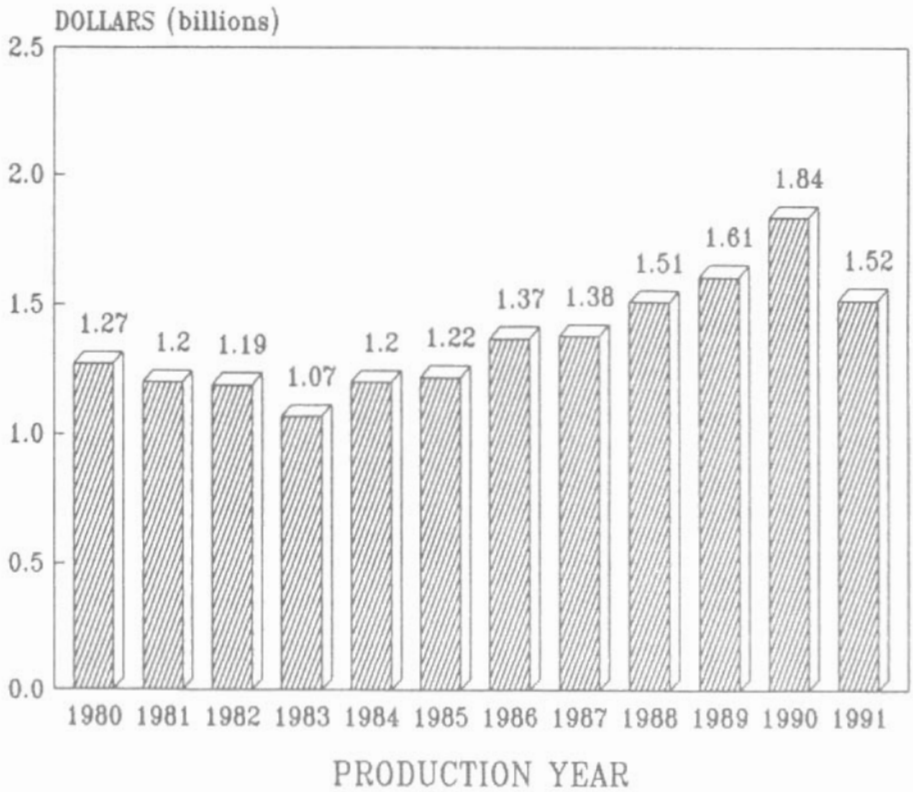
VALUE COMPARISON

1990 - 1991

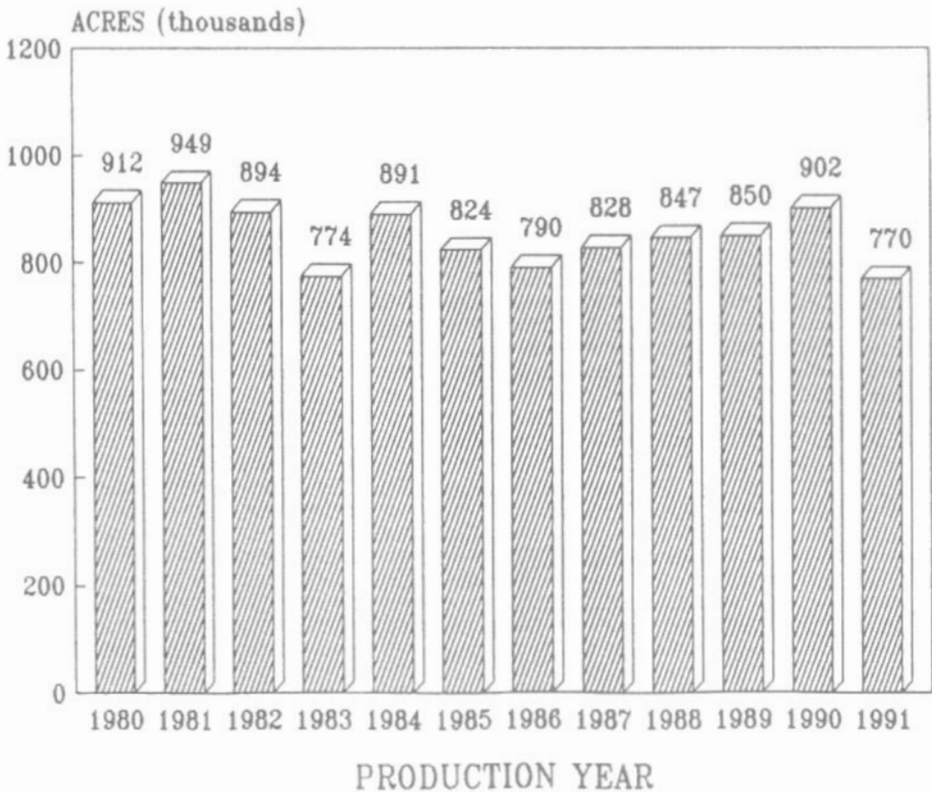


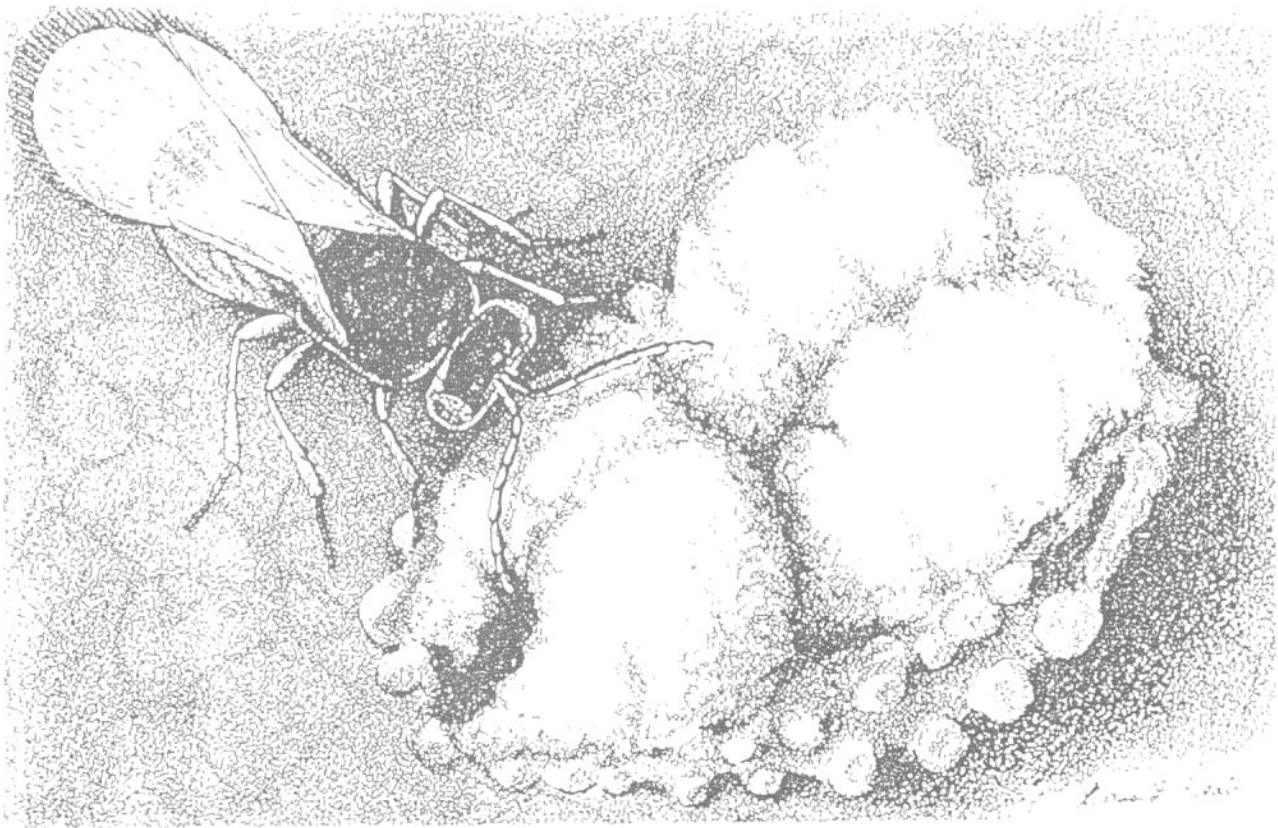
*Miscellaneous: Industrial, Seed, Apiary

REVIEW OF TOTAL VALUE



REVIEW OF HARVESTED ACRES





Encarsia wasp and ash whitefly larvae. Illustration by Linda Heath

Biological control is defined as the use of natural enemies to control insect pests.

The biological control era started over 100 years ago, when the vedalia beetle was imported from Australia to control the cottony cushion scale in southern California citrus groves. This was the first major bio-control success, and since then it has been used as a classical example to illustrate and advocate the effectiveness of biological control in pest management.

In the 1990's, history is repeating itself, and another major biological control success has been experienced here in Kern County. The parasitic wasp, Encarsia partenopea, was imported from the Mediterranean region to control the heavy infestation of ash whitefly in Kern County and other counties as well.

The Encarsia parasite is a tiny speck-sized wasp about 1 mm long, that lays eggs in immature ash whiteflies. The eggs hatch into larvae that feed on the inside of the ash whitefly nymphs and kill them. The parasite adults emerge from the ash whitefly nymphs through round exit holes.

The first release of Encarsia partenopea in Kern County took place in August 1990. The parasite has adapted well to the area climate, and has managed to control the damaging population of the ash whitefly. High reproduction and fast development of the Encarsia enables the parasite to overpower the ash whitefly in a short time. The tiny wasp has been able to keep the annoying population of ash whitefly under control through summer, fall, and winter.

County Biological Control

Pest	Agent	Scope of Program
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic wasp <u>Encarsia partenopea</u>	Survey Releases -- over 100 countywide Monitor population
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed head weevil <u>Bangasternus orientalis</u>	Survey Releases -- Upon Demand

Pest Eradication

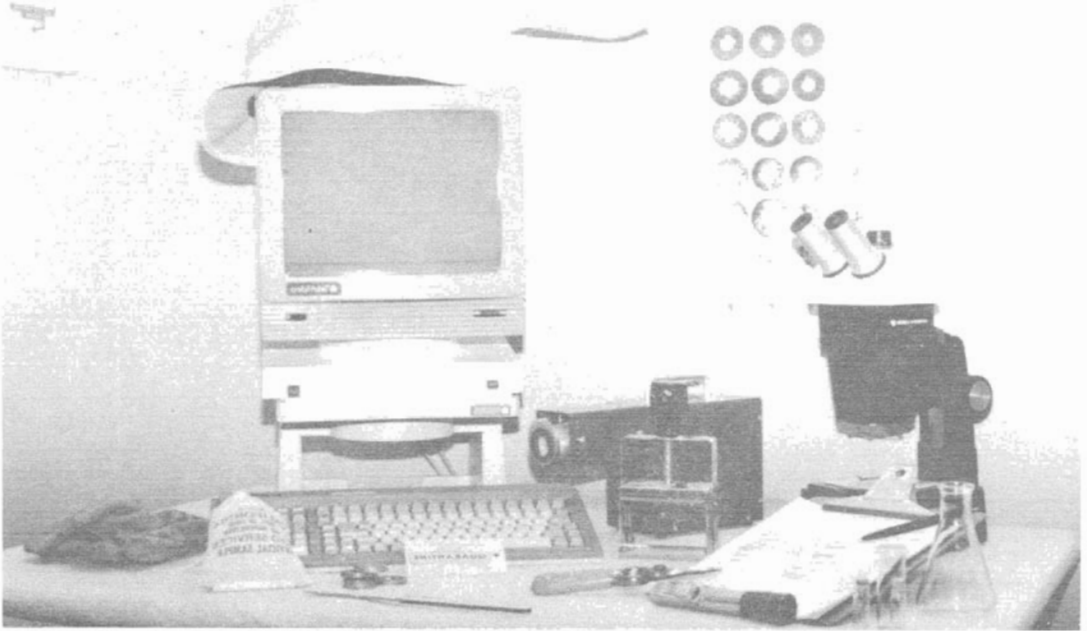
Pest	Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Trapping Sterile Release Plowdown	1,845 Fields 224,319 Acres 177 Native Moths Detected

Pest Exclusion

Interception*		Pathway
Live Pests	28	Post Office
Noxious Weeds	586	Post Office
Improper Certification	233	Post Office
Other	112	Post Office
Noxious Weeds	9	Parcel Post
Improper Certification	61	Parcel Post
Other	9	Parcel Post
Live Pests	11	Air
Improper Certification	11	Air
Other	3	Air
Live Pests	2	Bus
Improper Certification	2	Bus
Other	2	Bus
Live Pests	1	Truck
Other	3	Truck

*There were 4 "A" rated, 586 "B" rated and 11 "Q" rated pests intercepted. All interceptions were destroyed.

Crop	Number of Farms	Estimated Acres
Apples	1	2
Apricots	2	26
Beans	1	33
Broccoli	1	58
Cabbage	1	16
Cantaloupes	2	31
Carrots	2	988
Cauliflower	1	33
Cherry	1	2
Citrus	1	154
Corn	1	113
Cotton	2	233
Grapes	6	2,631
Lettuce	1	60
Mixed Melons	1	2
Mixed Vegetables	2	114
Peaches	2	16
Persimmons	1	10
Plums	1	2
Pomegranates	1	75
Potatoes	1	213
Turnip	1	75
Wheat	1	145



CROP REPORT COVER

Can you recognize these tools of the agriculture inspector trade? Some haven't been used in years, some have been replaced with updated equipment, and others are still widely used. The two photos are of a potato inspector, circa 1940, and the DiGiorgio grape shed, circa 1940. Above, some more recent tools of the trade.

Crop Report Compiled by:

Jacquelyn Bressler
Agricultural Biologist III

&

Mark Sabin
Agricultural Biologist I

ACKNOWLEDGEMENT:

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

DEPARTMENT OF AGRICULTURE

1001 South Mount Vernon Avenue, Bakersfield, California 93307

(805) 861-2306 FAX (805) 397-5097

THEODORE K. DAVIS

Agricultural Commissioner



JACK E. MARKS
Deputy Commissioner

LOUIE I. CERVANTES

Assistant Commissioner

DAVID J. MOORE
Deputy Commissioner

1992

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

I am pleased to submit the 1992 Agricultural Crop Report, which was compiled in accordance with Section 2279 of the California Food and Agriculture Code.

This year's report reflects an up turn from the depressed value for 1991 as a result of the December 1990 freeze and the long standing drought. The 1992 total value is \$1,547,215,000; up by 1.7% over 1991.

Cotton, again, returned to the top as the number one crop with a 32% increase over 1991. This is attributable to a lessening of the drought and increased production. The biggest increase in value occurred in watermelons, with 104% increase. Acreage, production, and price were all up for watermelons. Citrus recovered somewhat from the freeze with an increase of 31%; however, only 60% of the citrus acreage was harvested in 1992. The remainder of the acreage was still recovering from the freeze.

Potatoes and lettuce showed the greatest decline, 52% and 47% respectively. Acreage, production and price were down.

Mother nature has done her part in relieving the affects of the drought; however, the issue of adequate and dependable distribution of water is critical to the full recovery of the agricultural economy of Kern County.

These figures represent a **GROSS** receipt of producers and **DOES 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 black ink, appearing to read "Theodore K. Davis", is written over a horizontal line.

Theodore K. Davis
Agricultural Commissioner

TKD:sc

Top Twenty Crops	1
Permanent Acreage	2
Field Crops	4
Industrial Crops	5
Seed Crops	5
Fruit and Nut Crops	6
Vegetable Crops	8
Nursery Crops	10
Livestock and Poultry	10
Livestock and Poultry Products	11
January 1st Inventories of Livestock	11
Apiary Products	11
Summary 1992	12
1992 Crop Value Graphs	13
Pest Detection	14
Biological Control Activities	14
Pest Eradication	15
Pest Exclusion	15
Top 10 Exported Commodities	15
Countries Exported To	16
1992 Organic Farming	17
50 Years Ago	17
Kern County Agricultural Commissioner's Office Personnel	18

1. Cotton, Including Cottonseed	\$ 304,761,000
2. Grapes	294,961,000
3. Almonds, Including By-products	116,706,000
4. Carrots, Fresh and Processed	104,382,000
5. Pistachios	88,630,000
6. Citrus, Including Processed	88,464,000
7. Milk, Market	62,796,000
8. Nursery Crops	58,191,000
9. Hay, Alfalfa	51,369,000
10. Apples, Fresh and Processed	46,634,000
11. Potatoes, Fresh and Processed	42,240,000
12. Onions, Fresh & Dehydrator	22,301,000
13. Cattle and Calves	21,928,000
14. Garlic, Fresh and Dehydrator	21,000,000
15. Watermelons	18,218,000
16. Lettuce, Head	15,728,000
17. Tomatoes, Fresh and Processed	14,616,000
18. Plums	12,420,000
19. Sheep and Lambs	11,873,000
20. Pasture, Range	11,282,000

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Almonds	1992	69,474	6,470	75,944
	1991	66,811	8,250	75,061
Apples	1992	4,983	107	5,090
	1991	4,663	318	4,981
Apricots	1992	572	97	669
	1991	560	139	699
Cherries	1992	44	141	185
	1991	64	31	95
Figs	1992	478	-0-	478
	1991	477	-0-	477
Grapefruit	1992	743	356	1,099
	1991	1,330	299	1,629
GRAPES, All	1992	72,984	3,753	76,737
	1991	72,763	5,404	78,167
Raisin	1992	26,995	1,448	28,443
	1991	26,276	1,238	27,514
Table	1992	20,798	2,299	23,097
	1991	19,899	3,463	23,362
Wine	1992	25,191	6	25,197
	1991	26,588	703	27,291
Jojoba	1992	171	-0-	171
	1991	784	263	1,047
Kiwi	1992	632	-0-	632
	1991	727	-0-	727
Lemons	1992	3,376	97	3,473
	1991	3,202	96	3,298
Nectarines	1992	1,742	572	2,314
	1991	1,572	823	2,395
Olives	1992	2,188	41	2,229
	1991	2,577	41	2,618
ORANGES, All	1992	29,250	6,654	35,904
	1991	29,124	7,031	36,155
Navel	1992	21,383	3,886	25,269
	1991	21,437	3,918	25,355
Valencia	1992	6,696	2,629	9,325
	1991	6,503	2,948	9,451

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Tangerines & Tangelos	1992	1,171	139	1,310
	1991	1,184	165	1,349
Peaches	1992	1,957	509	2,466
	1991	1,946	386	2,332
Pears	1992	194	254	448
	1991	113	331	444
Pecans	1992	706	12	718
	1991	706	12	718
Persimmons	1992	103	29	132
	1991	98	34	132
Pistachios	1992	18,739	7,107	25,846
	1991	19,075	7,437	26,512
Plums	1992	3,094	73	3,167
	1991	3,271	97	3,368
Pomegranates	1992	356	149	505
	1991	470	145	615
Prunes	1992	118	-0-	118
	1991	118	-0-	118
Walnuts	1992	1,502	17	1,519
	1991	1,573	64	1,637
Misc.*	1992	17	64	81
	1991	26	72	98
TOTALS	1992	213,423	26,502	239,925
	1991	212,050	31,273	243,323

* Includes: Guava/Feijoa, Kumquat, Loquat and Plumcot

<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>
Barley	1992	11,667	1.03	12,000	Ton	\$ 108.00	\$ 1,292,000
	1991	8,336	2.10	17,500	Ton	121.00	2,118,000
Beans, Dry Edible	1992	6,510	1.36	8,880	Ton	494.00	4,384,000
	1991	11,031	1.23	13,500	Ton	437.00	5,901,000
Cotton Lint, Acala	1992	223,666	a/1406	b/629,000	Bale	c/ .69	217,142,000
	1991	208,632	a/1256	b/524,000	Bale	c/ .70	181,974,000
Cotton Lint, Pima	1992	47,575	a/1378	b/131,000	Bale	c/ .78	51,128,000
	1991	15,687	a/ 921	b/ 28,900	Bale	c/ .99	14,288,000
Cottonseed, Processing	1992	---	---	255,000	Ton	143.00	36,491,000
	1991	---	---	221,000	Ton	158.00	34,951,000
Hay, Alfalfa	1992	87,784	7.72	678,000	Ton	75.80	51,369,000
	1991	109,033	8.18	892,000	Ton	74.40	66,321,000
Hay, Grain	1992	18,000	2.36	42,500	Ton	62.10	2,638,000
	1991	26,400	2.67	70,500	Ton	46.90	3,306,000
Hay, Other	1992	10,000	6.00	60,000	Ton	60.00	3,600,000
	1991	13,500	6.04	81,500	Ton	76.70	6,254,000
Pasture, Irrigated	1992	6,000	---	---	Acre	112.00	672,000
	1991	6,000	---	---	Acre	112.00	672,000
Pasture, Other	1992	---	---	---	---	---	2,593,000
	1991	---	---	---	---	---	2,031,000
Pasture, Range	1992	2,256,398	---	---	Acre	5.00	11,282,000
	1991	2,236,447	---	---	Acre	6.00	13,419,000
Safflower	1992	8,019	.45	3,610	Ton	312.00	1,126,000
	1991	6,625	1.04	6,900	Ton	265.00	1,828,000
Silage & Forage	1992	10,000	20.70	207,000	Ton	16.70	3,454,000
	1991	14,000	16.58	232,000	Ton	15.70	3,635,000
Sugar Beets	1992	9,680	29.10	282,000	Ton	35.00	9,863,000
	1991	8,847	24.20	214,000	Ton	37.30	7,975,000
Wheat	1992	19,822	2.52	50,000	Ton	121.00	6,044,000
	1991	12,212	2.61	31,900	Ton	110.00	3,506,000
Misc.	d/1992	---	---	---	---	---	408,000
	d/1991	---	---	---	---	---	267,000
TOTALS	1992	458,723	---	---	---	---	\$ 403,486,000
	1991	440,303	---	---	---	---	348,446,000

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

<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, Raw Material:							
	1992	---	---	135,000	Ton	\$ 28.60	\$ 3,865,000
	1991	---	---	176,000	Ton	31.30	5,513,000
Timber a/	1992	---	---	7,400,000	Brd.Ft.	---	843,000
	1991	---	---	2,509,000	Brd.Ft.	---	295,000
Wood for Fuel	1992	---	---	3,180	Cord	b/11.90	38,000
	1991	---	---	3,090	Cord	b/ 9.71	30,000
TOTALS	1992	---	---	---	---	---	\$ 4,746,000
	1991	---	---	---	---	---	5,838,000

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.

SEED CROPS - 1992

<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	1992	21,181	---	14,000	Ton	b/\$187.00	\$2,614,000
	1991	16,663	---	11,500	Ton	183.00	2,107,000
Field c/	1992	14,408	---	39,600	Ton	---	5,546,000
	1991	16,295	---	40,600	Ton	---	6,288,000
Vegetable d/	1992	138	---	89	Ton	---	434,000
	1991	346	---	2,760	Ton	---	1,331,000
TOTALS	1992	a/14,546	---	53,689	Ton	---	\$ 8,594,000
	1991	16,641	---	54,860	Ton	---	9,726,000

a/ Does not include cotton acreage.

b/ Includes: \$30.00 per acre approval.

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

d/ Includes: Beans, Lettuce, Mustard, and Onions.

<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*	1992	69,474	.67	46,600	Ton	\$2,370.00	\$ 110,318,000
	1991	66,811	.79	52,800	Ton	2,320.00	122,452,000
Almond By-Products	1992	---	---	105,400	Ton	61.00	6,388,000
	1991	---	---	118,000	Ton	65.50	7,732,000
APPLES, All*	1992	4,983	24.10	120,000	Ton	---	46,634,000
	1991	4,663	18.10	84,400	Ton	---	44,068,000
Fresh	1992	---	---	82,700	Ton	532.00	44,006,000
	1991	---	---	58,300	Ton	692.00	40,367,000
Proc.	1992	---	---	37,300	Ton	70.50	2,628,000
	1991	---	---	26,100	Ton	142.00	3,701,000
Apricot	1992	572	4.13	2,360	Ton	770.00	1,817,000
	1991	560	4.70	2,630	Ton	1,370.00	3,609,000
CITRUS, All	1992	22,197	11.79	261,700	Ton	---	88,464,000
	1991	21,437	6.88	147,400	Ton	---	67,452,000
Grapefruit	1992	743	28.90	21,500	Ton	346.00	7,433,000
	1991	---	---	---	Ton	---	---
Lemons	1992	3,376	1.48	5,000	Ton	642.00	3,208,000
	1991	---	---	---	Ton	---	---
Oranges, Navel	1992****	11,921	8.72	104,000	Ton	446.00	46,347,000
	1991	21,437	5.50	118,000	Ton	547.00	64,512,000
Oranges, Valencia	1992****	4,986	10.70	53,500	Ton	344.00	18,413,000
	1991	---	---	---	Ton	---	---
Tangerine & Tangelo	1992	1,171	15.60	18,300	Ton	564.00	10,321,000
	1991	---	---	---	Ton	---	---
Proc., All Citrus	1992	---	---	59,400	Ton	46.20	2,742,000
	1991	---	---	29,400	Ton	100.00	2,940,000
GRAPES, All	1992	72,984	8.83	644,380	Ton	---	294,961,000
	1991	72,763	6.97	507,400	Ton	---	252,031,000
Raisin Variety	1992	26,995	8.54	230,430	Ton	---	109,803,000
	1991	26,276	5.96	156,500	Ton	---	93,986,000
Fresh Market	1992	---	---	99,100	Ton	748.00	74,159,000
	1991	---	---	86,200	Ton	855.00	73,718,000
**Raisins Dry Wgt.	1992	---	---	14,100	Ton	888.00	12,516,000
	1991	---	---	10,500	Ton	992.00	10,419,000
Proc.	1992	---	---	10,400	Ton	236.00	2,459,000
	1991	---	---	12,800	Ton	222.00	2,846,000
Crushed	1992	---	---	106,000	Ton	191.00	20,277,000
	1991	---	---	47,000	Ton	149.00	7,003,000

<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>
Juice	1992	---	---	830	Ton	\$ 472.00	\$ 392,000
	1991	---	---	---	Ton	---	---
<u>Table Variety</u>	1992	20,798	9.38	195,200	Ton	---	136,067,000
	1991	19,899	7.13	141,900	Ton	---	121,186,000
Fresh Market	1992	---	---	145,000	Ton	876.00	127,028,000
	1991	---	---	120,000	Ton	985.00	118,235,000
Crushed	1992	---	---	47,700	Ton	172.00	8,196,000
	1991	---	---	21,900	Ton	135.00	2,951,000
Raisin	1992	---	---	2,500	Ton	337.00	843,000
	1991	---	---	---	Ton	---	---
<u>Wine Variety</u>	1992	25,191	8.68	218,750	Ton	---	49,091,000
	1991	26,588	7.86	209,000	Ton	---	36,859,000
Crushed	1992	---	---	211,000	Ton	213.00	44,985,000
	1991	---	---	196,000	Ton	158.00	30,971,000
Juice	1992	---	---	7,750	Ton	530.00	4,106,000
	1991	---	---	13,000	Ton	453.00	5,888,000
Kiwi*	1992	632	9.26	5,850	Ton	1,314.00	7,684,000
	1991	727	4.04	2,940	Ton	1,785.00	5,249,000
Nectarines*	1992	1,742	6.54	11,400	Ton	794.00	9,052,000
	1991	1,572	7.06	11,100	Ton	799.00	8,865,000
Olives	1992	2,188	2.38	5,200	Ton	609.00	3,166,000
	1991	2,577	.19	500	Ton	762.00	381,000
Peaches	1992	1,957	6.75	13,200	Ton	723.00	9,538,000
	1991	1,946	10.10	19,700	Ton	906.00	17,847,000
Pistachios*	1992	18,739	2.04	38,300	Ton	2,310.00	88,630,000
	1991	19,075	1.12	21,300	Ton	2,640.00	56,309,000
Plums*	1992	3,094	7.43	23,000	Ton	540.00	12,420,000
	1991	3,271	7.00	22,900	Ton	854.00	19,554,000
Walnuts*	1992	1,502	1.03	1,550	Ton	1,280.00	1,980,000
	1991	1,573	1.94	3,050	Ton	1,100.00	3,369,000
Misc.***	1992	2,200	---	5,820	Ton	---	7,276,000
	1991	3,056	---	4,340	Ton	---	5,388,000
TOTALS	1992	202,264	---	1,284,760	Ton	---	\$ 688,328,000
	1991	209,757	---	998,460	Ton	---	614,306,000

*Includes production from young orchards officially classified as non-bearing. Almond production stated in terms of Nut Meat Equivalents. Pistachio and Walnut production stated in terms of In-shell Equivalents.

**A combined value reflecting free tonnage and reserve tonnage. Total production includes raisins on a Fresh Equivalent Basis.

Dry Ratio: 1991 - 4.64 to 1 1992 - 4.10 to 1

***Includes: Bushberries, Cherry, Figs (Fresh)(Dry), Guava/Feijoa, Jojoba, Pecan, All Pears, Persimmon, Pomegranate, Prune and Strawberries.

****40% of the bearing orange acreage not harvested because the trees have not yet recovered enough from the 90-91 season freeze.

<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	1992	840	1.18	991	Ton	\$1,963.00	\$ 1,945,000
	1991	693	1.57	1,090	Ton	1,772.00	1,932,000
Cantaloupes	1992	2,887	12.60	36,500	Ton	237.00	8,655,000
	1991	2,356	7.30	17,200	Ton	168.00	2,897,000
CARROTS, All	1992	44,822	27.90	1,250,000	Ton	---	104,382,000
	1991	35,000	28.50	996,000	Ton	---	145,599,000
Fresh Mkt.	1992	---	---	750,000	Ton	121.00	90,789,000
	1991	---	---	598,000	Ton	230.00	137,414,000
Proc. & Other	1992	---	---	500,000	Ton	27.20	13,593,000
	1991	---	---	398,000	Ton	20.60	8,185,000
Corn, Sweet	1992	1,211	6.57	7,960	Ton	192.00	1,528,000
	1991	1,067	7.36	7,850	Ton	209.00	1,641,000
Garlic, Dehydrator	1992	1,948	8.32	16,200	Ton	146.00	2,366,000
	1991	1,374	10.70	14,600	Ton	144.00	2,107,000
Garlic, Fresh	1992	2,286	7.39	16,900	Ton	1,100.00	18,634,000
	1991	1,615	9.16	14,800	Ton	1,100.00	16,237,000
<u>Lettuce, Head</u>	1992	6,598	13.70	90,200	Ton	---	15,728,000
		---	---	74,800	Ton	172.00	12,839,000
		---	---	6,000	Ton	191.00	1,145,000
		---	---	9,400	Ton	186.00	1,744,000
<u>Lettuce, Head</u>	1991	6,647	19.78	131,490	Ton	---	29,923,000
		---	---	101,000	Ton	243.00	24,509,000
		---	---	8,790	Ton	263.00	2,310,000
		---	---	21,700	Ton	143.00	3,104,000
Melons, Other	1992	1,170	9.23	10,800	Ton	231.00	2,495,000
	1991	1,225	5.68	6,960	Ton	661.00	4,604,000
Onions, Fresh	1992	1,901	29.70	56,500	Ton	236.00	13,325,000
	1991	5,000	23.00	115,000	Ton	195.00	22,386,000
Onions, Dehydrator	1992	6,373	18.20	116,000	Ton	77.40	8,976,000
	1991	6,887	18.20	125,000	Ton	77.50	9,683,000
Peppers, Bell	1992	1,281	18.10	23,200	Ton	370.00	8,579,000
	1991	1,716	13.40	22,900	Ton	752.00	17,223,000

<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>
POTATOES, ALL	1992	18,507	17.80	329,300	Ton	---	42,240,000
	1991	22,619	20.20	456,900	Ton	---	88,060,000
Spring Total	1992	16,289	19.40	316,100	Ton	---	40,142,000
	1991	19,658	22.40	440,400	Ton	---	83,971,000
Fresh Market	1992	---	---	267,000	Ton	136.00	36,306,000
	1991	---	---	323,000	Ton	227.00	73,245,000
Proc.	1992	---	---	27,700	Ton	130.00	3,601,000
	1991	---	---	91,600	Ton	114.00	10,442,000
Culls	1992	---	---	21,400	Ton	11.00	235,000
	1991	---	---	25,800	Ton	11.00	284,000
Winter Total	1992	2,218	5.95	13,200	Ton	---	2,098,000
	1991	2,961	5.57	16,500	Ton	---	4,089,400
Fresh Market	1992	---	---	12,200	Ton	171.00	2,087,000
	1991	---	---	15,300	Ton	266.00	4,076,000
Culls	1992	---	---	1,000	Ton	11.00	11,000
	1991	---	---	1,200	Ton	11.20	13,400
Tomatoes, Fresh	1992	1,665	17.60	29,300	Ton	351.00	10,286,000
	1991	Misc.	---	---	---	---	---
Tomatoes, Processing	1992	2,416	38.80	93,700	Ton	46.20	4,330,000
	1991	4,100	34.80	142,500	Ton	54.00	7,695,000
Turnips	1992	891	4.73	4,210	Ton	308.00	1,298,000
	1991	781	5.10	3,980	Ton	232.00	922,000
Watermelons	1992	3,806	26.30	100,000	Ton	182.00	18,218,000
	1991	3,484	23.00	75,000	Ton	119.00	8,930,000
Misc.*	1992	4,024	---	27,800	Ton	---	8,098,000
	1991	5,268	---	62,100	Ton	---	25,439,000
TOTALS	1992	102,626	---	2,210,561	Ton	---	\$ 271,083,000
	1991	99,832	---	2,193,370	Ton	---	385,278,000

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

<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	1992	---	---	15,000	Tree	\$ ---	\$ 270,000
	1991	---	---	10,900	Tree	---	215,000
Fruit, Nut* & Orn. Trees & Vines	1992	247	---	3,568,000	Plnt.	---	10,781,000
	1991	271	---	2,883,000	Plnt.	---	12,001,000
Rose Plnts.	1992	1,887	---	32,812,000	Plnt.	1.14	37,515,000
	1991	2,033	---	33,119,000	Plnt.	1.12	37,093,000
Plnt., Prop. Mat. & Cut Flowers**	1992	---	---	---	---	---	4,002,000
	1991	---	---	---	---	---	5,434,000
Turf	1992	587	---	25,549,000	Sq.Ft.	.22	5,623,000
	1991	777	---	33,846,000	Sq.Ft.	.22	7,385,000
TOTALS	1992	2,721	---	---	---	---	\$ 58,191,000
	1991	3,081	---	---	---	---	62,128,000

*Includes container grown plants.

**Total Value includes Greenhouse production.

LIVESTOCK AND POULTRY - 1992

<u>KIND</u>	<u>YEAR</u>	<u>NO. of HEAD</u>	<u>TOTAL LIVEWEIGHT</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Cattle & Calves	1992	41,900	371,000	Cwt.	\$ 59.10	\$ 21,928,000
	1991	35,000	277,300	Cwt.	64.10	17,774,000
Sheep & Lambs	1992	164,070	183,460	Cwt.	64.70	11,873,000
	1991	175,000	195,500	Cwt.	57.60	11,252,000
Hogs	1992	4,200	9,240	Cwt.	47.10	435,000
	1991	3,500	7,700	Cwt.	57.90	446,000
Broilers & Roasters	1992	512,000	3,196,000	lb.	.42	1,338,000
	1991	784,000	5,878,000	lb.	.40	2,351,000
Ostrich*	1992	60	---	Each	3,750.00	225,000
	1991	55	---	Each	2,855.00	157,000
Misc.**	1992	---	---	---	---	208,000
	1991	---	---	---	---	128,000
TOTALS	1992	---	---	---	---	\$ 36,007,000
	1991	---	---	---	---	32,108,000

*Includes breeders

**Miscellaneous Includes: Fish, Game Birds for meat, and Other.

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Milk	1992	5,518,000	Cwt.	\$ 11.40	\$ 62,796,000
Market	1991	4,685,000	Cwt.	10.90	51,251,000
Mfg.	1992	7,160	Cwt.	10.90	78,000
	1991	6,000	Cwt.	10.20	61,000
Wool	1992	1,908,000	lb.	.70	1,336,000
	1991	1,990,000	lb.	.55	1,096,000
Other	1992	---	---	---	5,592,000
Livestock	1991	---	---	---	5,180,000
Products					
TOTALS	1992	---	---	---	\$ 69,802,000
	1991	---	---	---	57,588,000

JANUARY 1st INVENTORIES
LIVESTOCK
1992 - 1993

<u>I T E M</u>	<u>January 1, 1992</u>	<u>January 1, 1993</u>
*All Cattle and Calves	168,000**	175,000
*Cattle on Feed	46,000	46,000
*Milk Cows, Two Years and Over	18,000	18,000
*Stock Sheep and Lambs	126,000**	132,000
*Hogs	2,000	2,400

*Estimates of California Crop and Livestock Reporting Service
**Revised

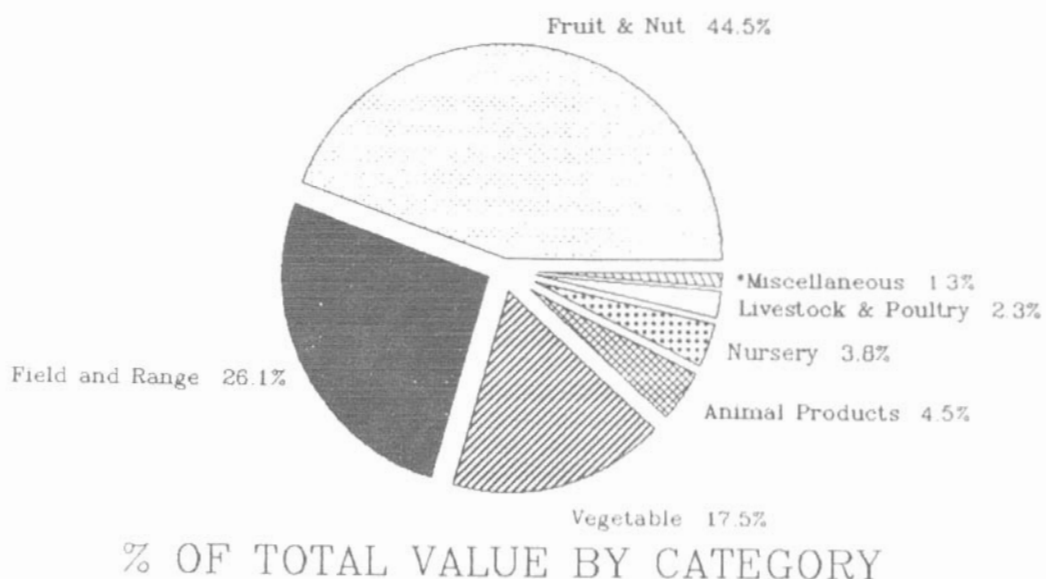
APIARY PRODUCTS - 1992

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Honey	1992	625,000	lb.	\$.46	\$ 288,000
	1991	750,000	lb.	.52	390,000
Beeswax	1992	30,200	lb.	1.06	32,000
	1991	30,200	lb.	1.16	35,000
Pollination	1992	198,000	Colony	33.10	6,544,000
	1991	203,000	Colony	28.00	5,684,000
Other Apiary	1992	---	---	---	114,000
Products	1991	---	---	---	15,000
TOTALS	1992	---	---	---	\$ 6,978,000
	1991	---	---	---	6,124,000

<u>COMMODITY</u>	<u>YEAR</u>	<u>HARVESTED ACRES</u>	<u>RANGE</u>	<u>ESTIMATED VALUE</u>
Field Crops & Rangeland	1992	458,723	2,256,398	\$ 403,486,000
	1991	440,303	2,236,447	348,446,000
Industrial Crops	1992	---	---	4,746,000
	1991	---	---	5,838,000
Seed Crops	1992	14,546	---	8,594,000
	1991	16,641	---	9,726,000
Fruit & Nut Crops	1992	202,264	---	688,328,000
	1991	209,757	---	614,306,000
Vegetable Crops	1992	102,626	---	271,083,000
	1991	99,832	---	385,278,000
Nursery Crops	1992	2,721	---	58,191,000
	1991	3,081	---	62,128,000
Livestock & Poultry	1992	---	---	36,007,000
	1991	---	---	32,108,000
Livestock & Poultry Products	1992	---	---	69,802,000
	1991	---	---	57,588,000
Apiary Products	1992	---	---	6,978,000
	1991	---	---	6,124,000
TOTALS	1992	780,880	2,256,398	\$1,547,215,000
	1991	769,614	2,236,447	1,521,542,000
Total Without Timber	1992			\$1,546,372,000
	1991			<u>1,521,247,000</u>

1992 CROP VALUE

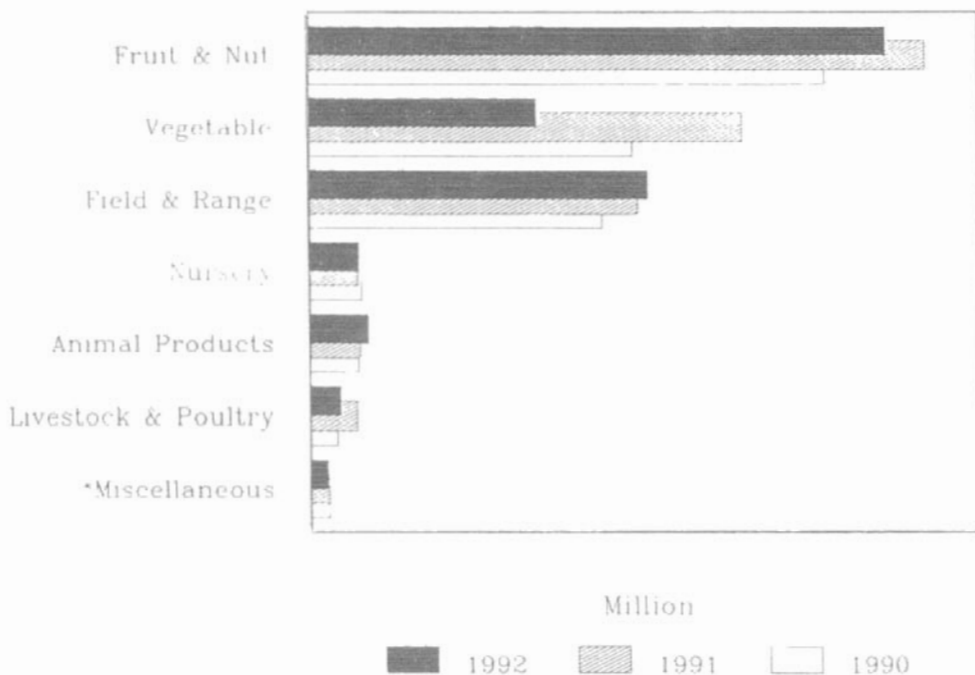
\$1,547,215,000



*Miscellaneous: Industrial, Seed, Apiary

VALUE COMPARISON

1992 - 1991 - 1990



*Miscellaneous: Industrial, Seed, Apiary

<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
Bollweevil Scout Trap	200	High Hazard Areas
Khapra Beetle Trogotrap	95	High Hazard Areas
European Corn Borer Trap	20	High Hazard Areas
European Pine Shoot Moth	10	Nurseries

BIOLOGICAL CONTROL ACTIVITIES IN KERN COUNTY

<u>Pest</u>	<u>Agent</u>	<u>Scope of Program</u>
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia partenopea</u>	Ongoing monitoring of population. Ash whitefly has been brought under control and is no longer a problem.
Yellow Star Thistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	5 Releases, survey and Relocation.
Silverleaf Whitefly <u>Bemisia tabaci</u>	Lady Beetle <u>Delphastus pusillus</u>	3 Releases*

*Three thousand lady beetles, Delphastus pusillus, were released in Kern County in the late summer of 1992 to study the beetle's ability to survive and adapt to the low temperatures in the winter. The Delphastus lady beetle is a natural predator of the silverleaf whitefly, both the adults and the larvae feed on different stages of the whitefly. Results of population monitoring and study showed that the lady beetle survived the San Joaquin cold winter and overwintered in the adult stage. Further releases of the predator will take place in Kern County in the spring and summer of 1993, to control the silverleaf whitefly.

Pest	Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Trapping Sterile Release Plowdown	4,769 Fields 271,241 Acres 68 Native Moths Detected
Halogeton <u>Halogeton glomeratus</u>	Hand hoe Survey	23 hours
Dalmatian Toadflax <u>Linaria dalmatica</u>	Hand hoe	14 hours
Scotch Thistle <u>Onopordum acanthium</u>	Hand hoe	2.5 hours
Camelthorn <u>Alhagi camelorum</u>	Survey	2 hours

PEST EXCLUSION

Interception*		Pathway
Live Pests	22	Post Office
Improper Certification	53	Post Office
Other	28	Post Office
Live Pests	3	Parcel Post
Noxious Weeds	2	Parcel Post
Improper Certification	22	Parcel Post
Other	3	Parcel Post
Live Pests	14	Air
Improper Certification	9	Air
Other	1	Air
Live Pests	4	Bus
Noxious Weeds	1	Bus
Improper Certification	4	Bus
Other	1	Bus
Live Pests	6	Truck
Noxious Weeds	2	Truck
Improper Certification	1	Truck
Other	1	Truck

*There were 5 "A" rated, 5 "B" rated and 11 "Q" rated pests intercepted.

Albania	Great Britain	Papua New Guinea
American Samoa	Greece	People's Republic of China
Andorra	Guadeloupe	Peru
Argentina	Guam	Phillipines
Australia	Guatemala	Portugal
Austria	Guyana	Puerto Rico
Bahamas	Honduras	Qatar
Bahrain	Hong Kong	Republic of Korea
Bangladesh	Iceland	Republic of Yemen
Barbados	India	Romania
Belgium	Indonesia	Saudi Arabia
Belize	Ireland	Seychelles
Bermuda	Israel	Singapore
Bolivia	Italy	South Africa
Bulgaria	Jamaica	Spain
Canada	Japan	Sri Lanka
Chile	Jordan	Sweden
Columbia	Kenya	Switzerland
Costa Rica	Kuwait	Syria
Cote d'Ivoire	Luxembourg	Taiwan
Cyprus	Malaysia	Thailand
Czechoslovakia	Martinique	Trinidad and Tobago
Dominican Republic	Mauritius	Tunisia
Ecuador	Mexico	Turkey
Egypt	Morocco	United Arab Emirates
El Salvador	Netherlands	United Kingdom
Ethiopia	New Caledonia	Uruguay
Federal Republic of Germany	New Zealand	Venezuela
Fiji	Nicaragua	Virgin Islands
Finland	Norway	Western Samoa
France	Oman	Zimbabwe
French Polynesia	Panama	

TOP TEN EXPORTED COMMODITIES*

Almonds	Grapes
Apples	Nursery Stock
Blackeyes	Oranges
Carrots	Pistachios
Cotton	Potatoes

*Listed alphabetically

Crop	Number of Farms	Estimated Acres
Almonds	1	7
Apples & Pears	4	159
Carrots	2	1,260
Citrus	1	154
Cotton	2	260
Grapes	7	2,610
Lemongrass	1	10
Melons, All	2	33
Mixed Vegetables	5	418
Persimmons	1	10
Pomegranates	1	75
Potatoes	2	172
Stone Fruits	4	48
Wheat	1	151

50 YEARS AGO

The 1942 Crop Report helped document the effects of World War II on our local economy. Due to the loss of trained agricultural workers to the army and defense industries, many growers recruited students, women, and older men to harvest crops. Still, over 10% of the cotton grown in the county had to be abandoned due to a lack of harvesting labor. The War Production Board announced plans to force grape growers to make raisins of all their 1943 Thompson Seedless grapes (this reduced growers' income by up to 75%), and many area farmers appeared hesitant to plant any crops requiring a large amount of hand labor.

Potatoes, our #1 crop that year, showed an increased production of 21% over 1941 and were described as "one of the most vitally needed war crops," according to the cover letter accompanying the 1942 report. This high demand prompted the government to ask for a 1943 increase in potato production of 20% (Kern County growers exceeded that goal, increasing production by 29% in 1943).

Since then, potato acreage has decreased from almost 33,000 acres in 1942 to 18,500 acres in 1992. Similarly, wheat, barley and milo were all grown on more land in 1942 than in 1992. On the other hand, apples and almonds now with a combined acreage of over 74,000, were grown on just 114 acres in 1942.

Returns to agriculture 50 years ago totaled just over 67 million dollars (including government payments) on 370,000 acres. This year just over twice as many acres were harvested for a total value of 1.5 billion dollars. Finally, the crop report itself has evolved from a 5 page summary in 1942 to the detailed, 24 page document compiled today. A lot more than just tools have changed in the last 50 years of Kern County agriculture.

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

DISTRICT AGRICULTURAL BIOLOGIST IV'S

Steven G. Watson, Arvin/Lamont
Charles L. Jackson, Delano/McFarland
Calvin E. Langston, Edison/Bakersfield
Barry H. Marlett, Tehachapi
Douglas I. Roye, Mettler

Steven H. Groves, Shafter
Samuel A. Vorhees, Wasco
Matthew R. Peet, Pest Exclusion
Robert L. Wegis, Pesticides
Richard L. White, Fruit & Veg.

AGRICULTURAL BIOLOGISTS

Irene M. Acosta
Lanette M. Bankston
James A. Brackeen
Jacquelyn 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
Lori L. Raborg
Mark R. Sabin
Joseph V. Sithole
Raymond M. Valles
M. Sharon Wilbur
Michael R. Williams

TRAPPERS

Thomas A. Robinson

CLERICAL

Sharon S. Cornelison
Senior Secretary

Nancy L. Finzel
Typist Clerk III

Barbara McMillian
Data Entry Operator I

Bonita M. Christolear
Account Clerk IV

Kathryn F. Stramler
Account Clerk III

Elizabeth A. Hall
Account Clerk II



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:

Jacquelyn K. Bressler
Agricultural Biologist III

&

Mark R. Sabin
Agricultural Biologist II

ACKNOWLEDGEMENT:

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

DEPARTMENT OF AGRICULTURE

1001 South Mount Vernon Avenue, Bakersfield, California 93307
(805) 861-2306 FAX (805) 397-5097

THEODORE K. DAVIS
Agricultural Commissioner

LOUIE I. CERVANTES
Assistant Commissioner



JACK E. MARKS
Deputy Commissioner

DAVID J. MOORE
Deputy Commissioner

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 cursive script, appearing to read "Theodore K. Davis", is written over a horizontal line.

Theodore K. Davis
Agricultural Commissioner

TKD:sc

TABLE OF CONTENTS

Top Twenty Crops	1
Permanent Acreage	2
Fruit and Nut Crops	4
Field Crops	7
Vegetable Crops	8
Nursery Crops	10
Industrial and Wood Crops	11
Seed Crops	11
Livestock and Poultry	12
January First Inventories of Livestock	12
Livestock and Poultry Products	13
Apiary Products	13
Summary - 1993	14
1993 Crop Value Pie Chart	15
Crop Value Comparison 1973 - 1983 - 1993 Graph	15
Pest Detection Insect Trapping	16
Biological Control Activities	16
Pest Eradication	17
Pest Exclusion	17
Kern County Export Countries	18
Kern County Exported Commodities	18
Phytosanitary Certificates Graph	19
Number of Farms in Kern County 1900 - 1990 Graph	19
Africanized Honey Bee	20
Organic Farming Statistics	20
Kern County Agricultural Commissioner - 100 Years of Serving Kern County	21
Kern County Agricultural Commissioner's Office Personnel	22

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

<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>
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>
POTATOES, ALL	1993	20,925	18.40	385,700	Ton	\$ ---	\$ 68,879,000
	1992	18,507	17.80	329,300	Ton	---	42,240,000
Spring Total	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
Winter Total	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
Tomatoes, Fresh	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
Tomatoes, Processing	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
Watermelons, Seeded	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
Watermelons, Seedless	1993	736	16.40	12,100	Ton	243.00	2,946,000
	1992	a/---	---	---	---	---	---
Misc.	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>
TOTALS	1993	102,623	---	2,506,330	Ton	---	\$320,215,000
	1992	<u>102,626</u>	<u>---</u>	<u>2,210,561</u>	<u>Ton</u>	<u>---</u>	<u>271,083,000</u>

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.

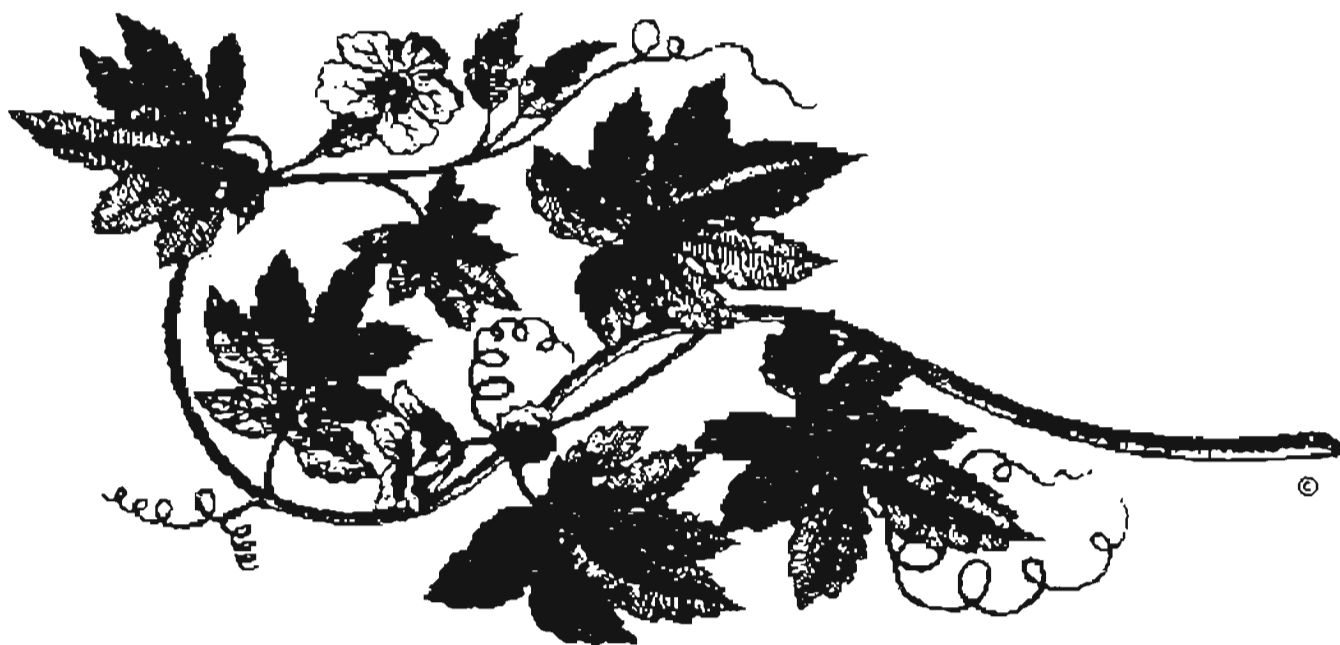
NURSERY CROPS - 1993

<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 LIVEWIGHT</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

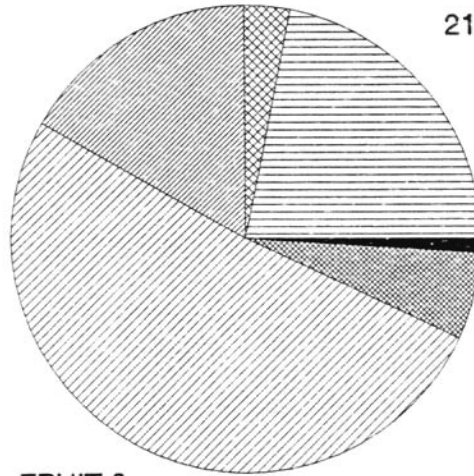
21.9% FIELD & RANGE

1.1% MISC.*

6.1% ANIMALS & PRODUCTS

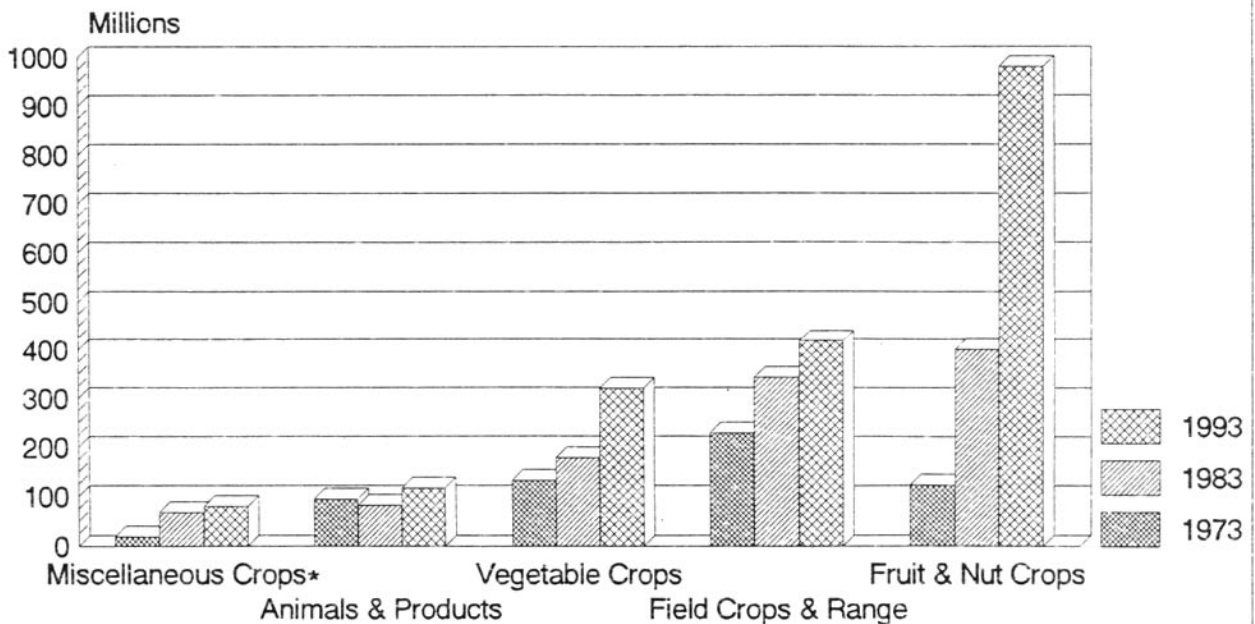
51.2% FRUIT & NUT

*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

<u>PEST</u>	<u>MECHANISM</u>	<u>SCOPE OF PROGRAM</u>
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

<u>INTERCEPTION*</u>	<u>PATHWAY</u>	
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

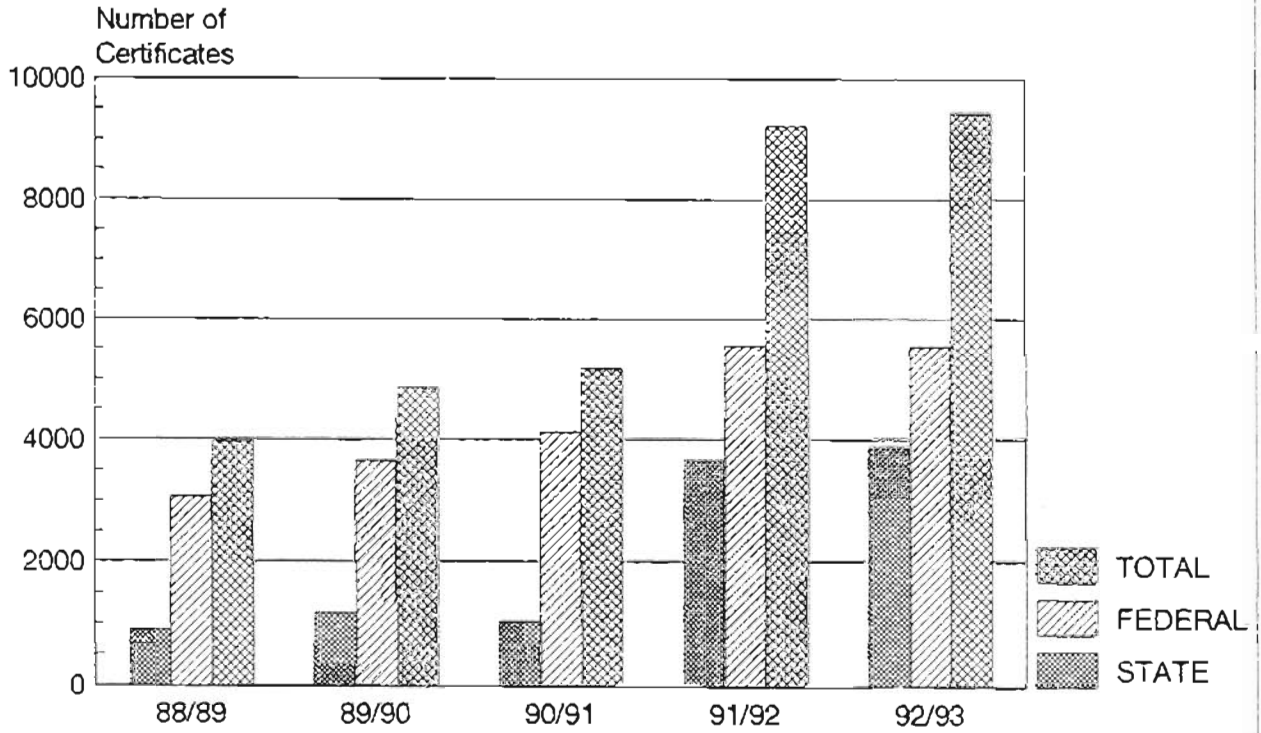
KERN COUNTY EXPORTED COMMODITIES - 1993

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

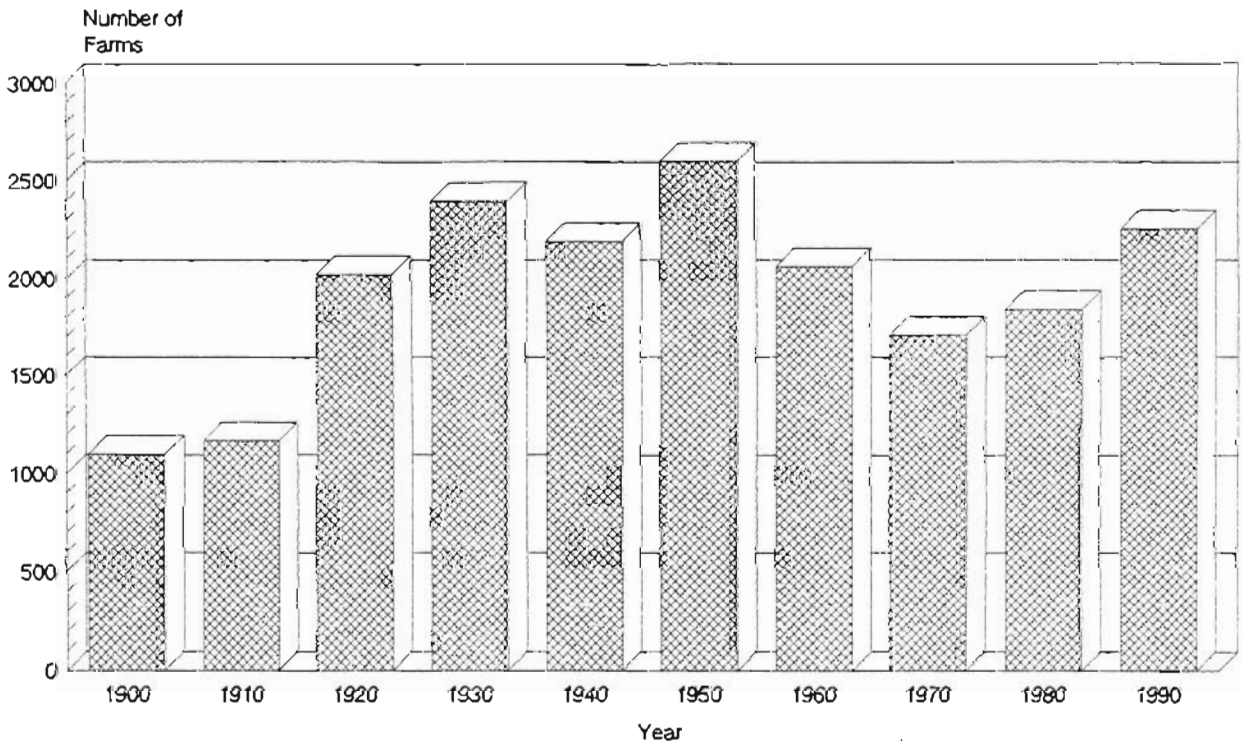
*Top 10 Exported Commodities

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

Elizabeth A. Hall

Account Clerk II

DEPARTMENT OF AGRICULTURE

1001 South Mount Vernon Avenue, Bakersfield, California 93307

(805) 861-2306 FAX (805) 397-5097

THEODORE K. DAVIS

Agricultural Commissioner

LOUIE I. CERVANTES

Assistant Commissioner



JACK E. MARKS
Deputy Commissioner

DAVID J. MOORE
Deputy Commissioner

1994

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

In accordance with Section 2279 of the Food & Agriculture Code, I submit the Agricultural Crop Report for 1994.

The 1994 total value of agricultural commodities produced in Kern County is \$1,949,768,000; up 3% over the 1993 revised value. Grapes were again the number one crop followed closely by cotton. Grapes maintained their number one ranking due to an increase in harvested acres. Tomatoes, wheat and cantaloupes moved into the top twenty ranking.

Citrus replaced almonds as the number three crop. This was attributed to both increased prices and more acres brought into production.

Notable decreases in value experienced during the year were: pistachios, -44%; garlic, -34%; onion, -36%. Along with lettuce, sugar beets, sheep & lambs, these three crops fell out of the top twenty ranking.

Overall, thirteen of the top twenty crops experienced an increase in harvested acres. Citrus (+11%), watermelons (+28%) and cantaloupes (+24%) had the largest acreage increases.

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

Respectfully submitted,

A handwritten signature in cursive script that reads "Theodore K. Davis".

Theodore K. Davis
Agricultural Commissioner

TKD:sc

TABLE OF CONTENTS

Top Twenty Crops	1
Permanent Acreage	2
Fruit and Nut Crops	4
Field Crops	7
Vegetable Crops	8
Cover Story - 1994 Kern County Fair Junior Livestock Auction	10
Nursery Crops	12
Industrial and Wood Crops	13
Seed Crops	13
Livestock and Poultry	14
January First Inventories of Livestock	14
Livestock and Poultry Products	15
Apiary Products	15
Summary - 1994	16
1994 Kern County Crop Value - Pie Chart	17
Kern County Harvested Acres 1985-1994 - Bar Graph	17
Kern County's Share of California Production - Bar Graph	18
1994 Organic Farming Statistics	18
Kern County Total Crop Value - A Twenty Year Comparison - Line Graph	19
Pest Detection Insect Trapping	20
Biological Control Activities	20
Pest Eradication	21
Pest Exclusion	21
Kern County Agricultural Commissioner's Office Personnel	22

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

PERMANENT ACREAGE - 1994

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Almonds	1994	72,591	10,398	82,989
	1993	71,574	7,909	79,483
Apples	1994	5,227	182	5,409
	1993	4,985	30	5,015
Apricots	1994	694	134	828
	1993	669	151	820
Cherries	1994	85	142	227
	1993	54	157	211
Figs	1994	398	97	495
	1993	478	6	484
Grapefruit	1994	877	377	1,254
	1993	851	389	1,240
GRAPES, ALL	1994	78,487	3,803	82,290
	1993	73,719	4,039	77,758
Raisin	1994	28,657	651	29,308
	1993	27,126	1,947	29,073
Table	1994	23,217	1,977	25,194
	1993	22,056	1,929	23,985
Wine	1994	26,613	1,175	27,788
	1993	24,537	163	24,700
Jojoba	1994	93	0	93
	1993	342	0	342
Kiwi	1994	549	0	549
	1993	626	0	626
Lemons	1994	3,212	162	3,374
	1993	3,061	159	3,220
Nectarines	1994	2,034	494	2,528
	1993	1,837	722	2,559
Olives	1994	2,014	38	2,052
	1993	2,017	38	2,055
ORANGES, ALL	1994	33,265	3,681	36,946
	1993	30,296	5,397	35,693
Navels	1994	24,714	3,048	27,762
	1993	22,656	3,829	26,485
Valencias	1994	8,551	633	9,184
	1993	7,640	1,568	9,208

PERMANENT ACREAGE - 1994

<u>CROP</u>	<u>YEAR</u>	<u>BEARING</u>	<u>NON BEARING</u>	<u>TOTAL</u>
Peaches	1994	2,291	428	2,719
	1993	2,189	526	2,715
Pears	1994	437	53	490
	1993	279	163	442
Pecans	1994	646	12	658
	1993	706	12	718
Persimmons	1994	67	25	92
	1993	71	9	80
Pistachios	1994	18,996	9,236	28,232
	1993	19,713	7,891	27,604
Plums	1994	2,934	236	3,170
	1993	3,184	79	3,263
Pomegranates	1994	436	6	442
	1993	465	40	505
Prunes	1994	118	0	118
	1993	118	0	118
Tangerines & Tangelos	1994	1,300	108	1,408
	1993	1,057	121	1,178
Walnuts	1994	1,612	32	1,644
	1993	1,612	32	1,644
Misc.	a/1994	10	0	10
	a/1993	<u>11</u>	<u>0</u>	<u>11</u>
TOTALS	1994	228,373	29,644	258,017
	1993	219,914	27,870	247,784

a/Includes: Guava/Feijoa, Kumquat, and Loquat

FRUIT AND NUT CROPS - 1994

<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	1994	72,591	0.98	a/71,100	Ton	\$2,598.00	\$184,703,000
	1993	71,574	0.69	a/49,400	Ton	3,860.00	190,630,000
Almond By-Products	1994	---	---	126,000	Ton	81.00	10,201,000
	1993	---	---	110,000	Ton	77.00	8,442,000
APPLES, ALL	1994	5,227	22.80	119,100	Ton	---	56,184,000
	1993	4,985	17.90	89,300	Ton	---	36,190,000
Fresh	1994	---	---	81,000	Ton	661.00	53,505,000
	1993	---	---	55,100	Ton	607.00	33,454,000
Processing	1994	---	---	38,100	Ton	70.00	2,679,000
	1993	---	---	34,200	Ton	80.00	2,736,000
Apricots	1994	694	4.76	3,300	Ton	1,106.00	3,650,000
	1993	669	4.60	3,080	Ton	1,212.00	3,733,000
CITRUS, ALL	1994	38,654	15.40	596,600	Ton	---	231,097,000
	1993	34,835	15.60	541,760	Ton	---	185,695,000
Grapefruit	1994	877	13.90	12,200	Ton	354.00	4,317,000
	1993	851	6.30	5,360	Ton	340.00	1,821,000
Lemons	1994	3,212	18.60	59,600	Ton	584.00	34,828,000
	1993	3,061	5.36	16,400	Ton	606.00	9,940,000
Oranges, Navel	1994	24,714	12.30	304,000	Ton	437.00	132,779,000
	1993	22,881	12.80	292,000	Ton	395.00	115,419,000
Oranges, Valencia	1994	8,551	13.80	118,000	Ton	437.00	51,599,000
	1993	6,985	15.30	107,000	Ton	474.00	50,684,000
Tangerine & Tangelo	1994	1,300	10.20	13,300	Ton	400.00	5,318,000
	1993	1,057	12.30	13,000	Ton	442.00	5,746,000
Processing, All Citrus	1994	---	---	89,500	Ton	25.20	2,256,000
	1993	---	---	108,000	Ton	19.30	2,085,000
GRAPES, ALL	1994	78,487	8.43	661,290	Ton	---	385,138,000
	1993	73,719	9.75	718,500	Ton	---	*366,767,000
<u>Raisin Variety</u>	b/1994	28,657	8.22	235,670	Ton	---	145,733,000
	b/1993	27,126	9.47	256,940	Ton	---	*130,590,000
Fresh Market	1994	---	---	124,000	Ton	1,004.00	124,453,000
	1993	---	---	105,000	Ton	961.00	100,907,000
Raisins	c/1994	---	---	9,360	Ton	940.00	8,798,000
	c/1993	---	---	*9,400	Ton	901.00	*8,469,000

FRUIT AND NUT CROPS - 1994

<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	1994	---	---	11,900	Ton	\$ 249.00	\$ 2,969,000
	1993	---	---	12,200	Ton	238.00	2,899,000
Crushed	1994	---	---	52,400	Ton	137.00	7,182,000
	1993	---	---	97,000	Ton	184.00	17,873,000
Juice	1994	---	---	5,250	Ton	444.00	2,331,000
	1993	---	---	1,040	Ton	425.00	442,000
<u>Table Variety</u>	1994	23,217	8.02	186,300	Ton	---	193,818,000
	1993	22,056	8.79	193,900	Ton	---	*178,593,000
Fresh Market	1994	---	---	161,000	Ton	1,186.00	190,912,000
	1993	---	---	158,000	Ton	1,099.00	173,611,000
Crushed	1994	---	---	25,300	Ton	115.00	2,906,000
	1993	---	---	35,100	Ton	138.00	4,828,000
Raisin	1994	---	---	---	Ton	---	---
	1993	---	---	*180	Ton	860.00	*154,000
<u>Wine Variety</u>	1994	26,613	8.99	239,320	Ton	---	45,587,000
	1993	24,537	10.90	267,660	Ton	---	57,584,000
Crushed	1994	---	---	236,000	Ton	187.00	44,210,000
	1993	---	---	262,000	Ton	209.00	54,692,000
Juice	1994	---	---	3,320	Ton	414.00	1,377,000
	1993	---	---	5,660	Ton	511.00	2,892,000
Kiwi	1994	549	5.87	3,220	Ton	1,286.00	4,140,000
	1993	626	6.57	4,110	Ton	1,377.00	5,658,000
Nectarines	1994	2,034	4.30	8,750	Ton	904.00	7,907,000
	1993	1,837	4.85	8,910	Ton	921.00	8,206,000
Olives	1994	2,014	2.74	5,520	Ton	467.00	2,578,000
	1993	2,017	4.03	8,130	Ton	507.00	4,125,000
Peaches	1994	2,291	6.07	13,900	Ton	552.00	7,668,000
	1993	2,189	6.08	13,300	Ton	835.00	11,100,000
Pistachios	1994	18,996	1.56	d/29,600	Ton	1,862.00	55,158,000
	1993	19,713	1.87	d/36,800	Ton	2,683.00	98,745,000
Plums	1994	2,934	6.41	18,800	Ton	772.00	14,511,000
	1993	3,184	6.60	21,000	Ton	836.00	17,557,000
Walnuts	1994	1,612	2.42	d/3,900	Ton	910.00	3,549,000
	1993	1,612	2.31	d/3,720	Ton	1,495.00	5,563,000

FRUIT AND NUT CROPS - 1994

<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/1994	2,224	---	8,150	Ton	---	\$ 9,655,000
	f/1993	2,403	---	8,870	Ton	---	8,005,000
TOTALS	1994	228,307	---	1,669,230	Ton	---	\$976,139,000
	1993	219,363	---	1,616,880	Ton	---	*950,416,000

* Revised

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

b/Total production includes raisins on a Fresh Equivalent basis.

c/A combined value reflecting free tonnage and reserve tonnage.

Dry Ratio: 1993 - 4.44 to 1 1994 - 4.50 to 1

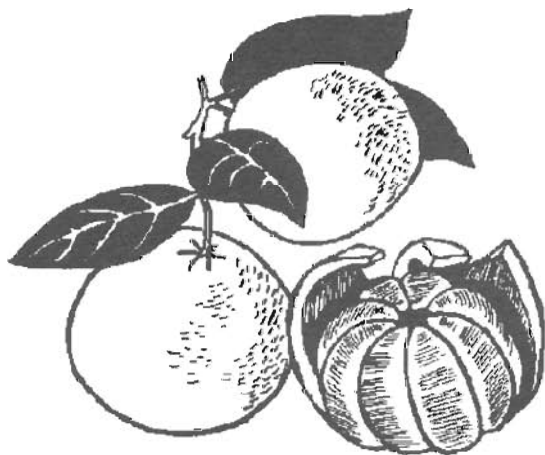
d/Pistachio and Walnut production stated in terms of In-shell Equivalents.

e/Includes: Bushberries, Cherries, Figs (Fresh and Dry), Guava/Feijoas,

All Pears, Pecans, Persimmons, Pomegranates, Prunes, and Strawberries.

f/Includes: Bushberries, Cherries, Figs (Fresh and Dry), Guava/Feijoas,

Jjoba, All Pears, Pecans, Persimmons, Pomegranates, and Prunes.



FIELD CROPS - 1994

<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>
Barley	1994	23,146	2.03	47,000	Ton	\$105.00	\$ 4,919,000
	1993	22,664	1.87	42,400	Ton	96.90	4,107,000
Beans, Dry Edible	1994	8,197	1.21	9,940	Ton	677.00	6,731,000
	1993	6,340	1.10	6,990	Ton	658.00	4,601,000
Cotton Lint, Acala	1994	252,754	a/1,260	b/636,000	Bale	c/0.78	248,209,000
	1993	248,354	a/1,350	b/668,000	Bale	c/0.70	234,660,000
Cotton Lint, Pima	1994	21,869	a/1,140	b/ 49,900	Bale	c/0.99	24,681,000
	1993	29,134	a/1,080	b/ 63,000	Bale	c/0.85	26,795,000
Cottonseed, Processing	1994	---	---	226,000	Ton	173.00	39,116,000
	1993	---	---	253,000	Ton	157.00	39,722,000
Hay, Alfalfa	1994	82,092	9.04	742,000	Ton	108.00	79,851,000
	1993	78,568	7.69	604,000	Ton	101.00	60,963,000
Hay, Grain	1994	8,500	3.31	28,100	Ton	71.30	2,003,000
	1993	6,000	1.93	11,600	Ton	66.10	767,000
Hay, Other	1994	3,500	2.91	10,200	Ton	84.60	863,000
	1993	3,500	2.55	8,930	Ton	92.70	828,000
Pasture, Irrigated	1994	10,000	---	---	Acre	112.00	1,120,000
	1993	10,000	---	---	Acre	112.00	1,120,000
Pasture, Other	1994	---	---	---	---	---	1,754,000
	1993	---	---	---	---	---	2,127,000
Pasture, Range	1994	2,225,216	---	---	Acre	5.00	11,126,000
	1993	2,236,475	---	---	Acre	5.00	11,182,000
Safflower	1994	7,311	1.33	9,700	Ton	303.00	2,937,000
	1993	13,510	0.76	10,300	Ton	302.00	3,111,000
Silage & Forage	1994	15,000	19.10	287,000	Ton	19.10	5,479,000
	1993	11,000	23.90	263,000	Ton	17.50	4,592,000
Sugar Beets	1994	8,746	29.20	255,000	Ton	34.60	8,823,000
	1993	9,779	34.30	335,000	Ton	36.50	12,244,000
Wheat	1994	46,459	2.76	128,000	Ton	121.00	15,428,000
	1993	44,447	2.38	106,000	Ton	108.00	11,464,000
Misc.	d/1994	---	---	---	---	---	261,000
	e/1993	---	---	---	---	---	455,000
TOTALS	1994	487,574	---	---	---	---	\$453,301,000
	1993	483,296	---	---	---	---	418,738,000

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

VEGETABLE CROPS - 1994

<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	a/1994	---	---	---	Ton	\$ ---	\$ ---
	1993	613	2.85	1,750	Ton	1,850.00	3,238,000
Cantaloupes	1994	2,202	13.70	30,100	Ton	338.00	10,162,000
	1993	1,775	11.90	21,100	Ton	327.00	6,909,000
CARROTS, ALL	1994	47,200	30.80	1,453,000	Ton	---	112,091,000
	1993	45,290	33.30	1,510,000	Ton	---	114,988,000
Fresh Market	1994	---	---	712,000	Ton	108.00	77,095,000
	1993	---	---	755,000	Ton	99.00	74,642,000
Processing & Other	1994	---	---	741,000	Ton	47.20	34,996,000
	1993	---	---	755,000	Ton	53.40	40,346,000
Corn, Sweet	1994	885	6.88	6,090	Ton	407.00	2,479,000
	1993	605	6.28	3,800	Ton	241.00	915,000
Garlic, Dehydrator	1994	1,072	7.15	7,660	Ton	187.00	1,431,000
	1993	1,039	5.70	5,920	Ton	205.00	1,216,000
Garlic, Fresh	1994	1,992	7.28	14,500	Ton	1,034.00	15,000,000
	1993	2,899	8.00	23,200	Ton	1,024.00	23,758,000
Lettuce, Head	1994	2,809	16.10	45,250	Ton	---	8,184,000
Naked Pack Wrapped Pack Bulk Shredder		---	---	39,100	Ton	187.00	7,299,000
		---	---	---	Ton	---	---
		---	---	6,150	Ton	144.00	885,000
Lettuce, Head	1993	4,340	21.40	92,800	Ton	---	25,653,000
Naked Pack Wrapped Pack Bulk Shredder		---	---	72,900	Ton	310.00	22,588,000
		---	---	3,500	Ton	226.00	791,000
		---	---	16,400	Ton	139.00	2,274,000
Melons, Other	1994	1,389	17.90	24,800	Ton	281.00	6,974,000
	1993	1,044	13.10	13,700	Ton	291.00	3,993,000
Onions, Fresh	1994	1,099	21.80	23,900	Ton	147.00	3,520,000
	1993	1,517	18.40	27,900	Ton	205.00	5,728,000
Onions, Dehydrator	1994	6,539	19.10	125,000	Ton	78.00	9,691,000
	1993	7,272	19.70	143,000	Ton	105.00	15,070,000
Peppers, Bell	1994	1,499	12.90	19,400	Ton	515.00	9,991,000
	1993	1,679	15.40	25,900	Ton	498.00	12,910,000

VEGETABLE CROPS - 1994

<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>
POTATOES, ALL	1994	21,556	18.70	402,900	Ton	\$ ---	\$ 79,070,000
	1993	20,925	18.40	385,700	Ton	---	68,879,000
Spring Total	1994	19,456	19.40	376,800	Ton	---	72,698,000
	1993	18,719	18.70	349,300	Ton	---	60,785,000
Fresh Market	1994	---	---	264,000	Ton	231.00	61,025,000
	1993	---	---	236,000	Ton	207.00	48,753,000
Processing	1994	---	---	91,700	Ton	125.00	11,462,000
	1993	---	---	94,400	Ton	125.00	11,806,000
Culls	1994	---	---	21,100	Ton	10.00	211,000
	1993	---	---	18,900	Ton	12.00	226,000
Winter Total	1994	2,100	12.40	26,130	Ton	---	6,372,000
	1993	2,206	16.50	36,400	Ton	---	8,094,000
Fresh Market	1994	---	---	24,200	Ton	262.00	6,351,000
	1993	---	---	33,700	Ton	239.00	8,062,000
Culls	1994	---	---	1,930	Ton	11.00	21,300
	1993	---	---	2,700	Ton	11.90	32,000
Tomatoes, Fresh	1994	1,267	15.10	19,100	Ton	467.00	8,923,000
	1993	1,425	10.20	14,600	Ton	372.00	5,435,000
Tomatoes, Processing	1994	4,800	35.40	170,000	Ton	49.20	8,364,000
	1993	3,600	33.90	122,000	Ton	46.50	5,677,000
Watermelons, Seeded	1994	3,360	26.50	89,000	Ton	161.00	14,318,000
	1993	3,167	21.30	67,400	Ton	145.00	9,772,000
Watermelons, Seedless	1994	1,655	23.40	38,800	Ton	204.00	7,909,000
	1993	736	16.40	12,100	Ton	243.00	2,946,000
Misc.	b/1994	2,885	---	22,600	Ton	---	13,021,000
	c/1993	4,697	---	35,460	Ton	---	13,128,000
TOTALS	1994	102,209	---	2,492,100	Ton	---	\$311,128,000
	1993	102,623	---	2,506,330	Ton	---	320,215,000

a/1994 Asparagus reported as Miscellaneous.

b/Includes: Asparagus, Beans (snap), Broccoli, Cabbage, Cauliflower, Eggplant, Leaf Lettuce, Mixed Greens, Mushrooms, Napa Cabbage, Okra, Parsnips, Pea Sprouts, Peppers (Chili and Processing), Pumpkins, Radishes, Red Beets, Rutabagas, Squash, Sweet Potatoes, and Turnips.

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

1994 Kern County Fair Jr. Livestock Auction

The southern San Joaquin valley proudly displays its deep agricultural roots at the annual Kern County Fair. Held each fall in Bakersfield, this event truly represents our culture and heritage as a farming community. The importance of livestock to our way of life is mirrored in the many animal related shows and auctions held each year during the fair. The swine auction is considered one of the largest of its kind in the country, attracting 495 entrants in 1994.

Last year 1,562 Kern County boys and girls exhibited more than 3,600 animals at various fair related events. The junior livestock auctions represented the culmination of months of hard work as bidders vied for the animals so well cared for by the entrants. Most of the participants in the livestock show and sale belong to the Future Farmers of America (FFA) or to a local 4-H chapter.

The national FFA organized in 1928 with 33 delegates. Today, Kern County alone is represented by 17 local chapters. The FFA's primary aim is the "development of agricultural leadership, cooperation, and citizenship," according to their handbook. This year's Kern County Fair included over 400 entrants from local FFA chapters.

4-H (the four H's stand for head, heart, hands, and health) participation in Kern County totals over 1,200 members in 51 clubs. The 4-H organization strives to "help youth develop into responsible, self directed, productive citizens of the world," according to their handbook. 4-H began including livestock care as projects over 75 years ago. Kern County chapters sent 776 boys and girls to the 1994 fair with animals to show and/or sell.

Local Junior Farmer's and independents also participated in the 1994 livestock auction, sending 349 entrants to the fair in 1994.

Through these programs our youth learn valuable, real life lessons which cannot be duplicated in the classroom. Caring for animals reminds the children of our local heritage and agricultural history, while at the same time teaching responsibility and useful skills.

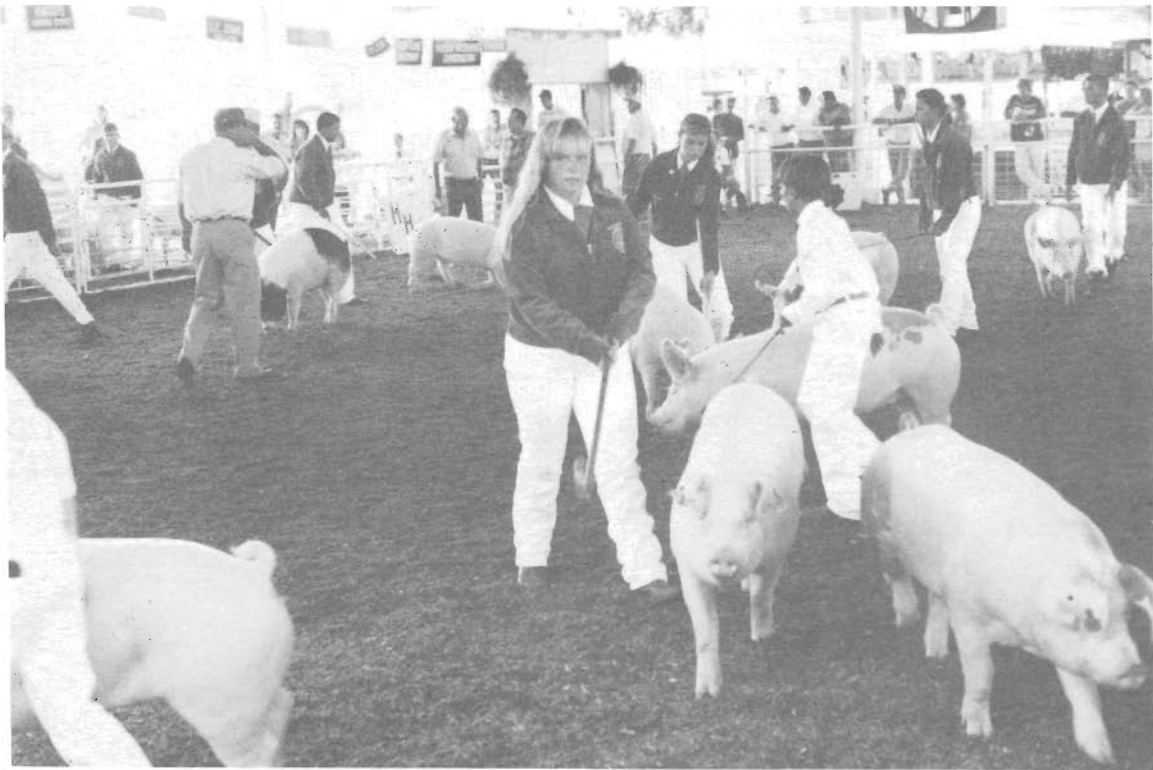
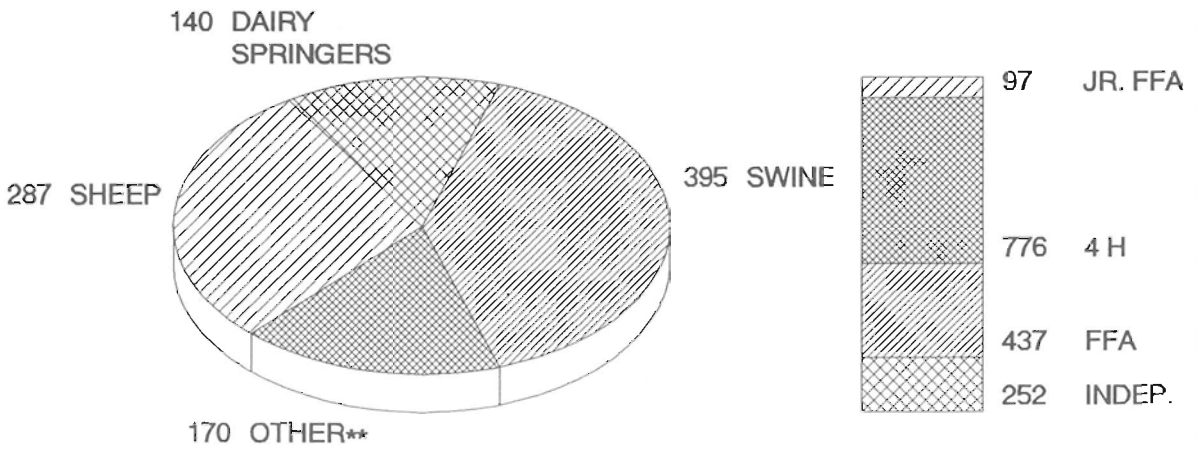




Photo courtesy of Carol Ray-Delfino, Delfino Photography.

**1994 KERN COUNTY FAIR
LIVESTOCK AUCTION**
(Auctioned Animal Value* and
Participants by Organization)

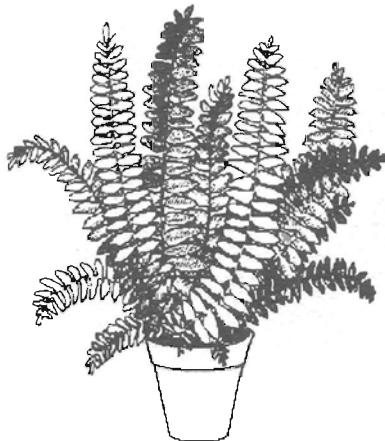


* Thousands of Dollars
** Other: Beef, Heifers, Rabbits

NURSERY CROPS - 1994

<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	1994	---	---	8,540	Tree	\$ ---	\$ 157,000
	1993	---	---	12,600	Tree	---	233,000
Fruit & Nut Trees, Vines	a/1994	590	---	7,834,000	Plant	---	14,603,000
	a/1993	664	---	6,882,000	Plant	---	13,000,000
Herbaceous Plants	1994	---	---	---	---	---	2,763,000
	1993	---	---	---	---	---	3,214,000
Ornamental Trees & Shrubs	a/1994	25	---	243,000	Plant	---	688,000
	a/1993	14	---	148,000	Plant	---	717,000
Propagative Material	1994	---	---	---	---	---	664,000
	1993	---	---	---	---	---	821,000
Roses	1994	1,823	---	32,766,000	Plant	1.14	37,489,000
	1993	1,686	---	30,269,000	Plant	1.17	35,523,000
Turf	1994	714	---	31,080,000	Sq Ft	0.21	6,527,000
	1993	659	---	28,703,000	Sq Ft	0.21	6,028,000
TOTALS	1994	3,152	---	---	---	---	\$62,891,000
	1993	3,023	---	---	---	---	\$59,536,000

a/Includes container grown plants.



INDUSTRIAL AND WOOD CROPS - 1994

<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	1994	---	---	298,000	Ton	\$ 28.70	\$ 8,560,000
	1993	---	---	193,000	Ton	36.60	7,058,000
Timber	a/1994	---	---	8,100,000	Brd Ft	---	2,550,000
	a/1993	---	---	4,259,000	Brd Ft	---	868,000
Wood for Fuel	1994	---	---	1,710	Cord	b/19.90	34,000
	1993	---	---	3,440	Cord	b/15.40	53,000
TOTALS	1994	---	---	---	---	---	\$11,144,000
	1993	---	---	---	---	---	7,979,000

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 - 1994

<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	1994	18,743	---	11,200	Ton	a/\$243.00	\$2,721,000
	1993	23,271	---	18,200	Ton	a/ 214.00	3,888,000
Field	b/1994	2,454	---	5,620	Ton	---	848,000
	c/1993	1,271	---	3,070	Ton	---	838,000
Vegetable	d/1994	216	---	49	Ton	---	610,000
	e/1993	149	---	43	Ton	---	543,000
TOTALS	1994	f/ 2,670	---	16,869	Ton	---	\$4,179,000
	1993	f/ 1,420	---	21,313	Ton	---	5,269,000

a/Includes a per acre approval.
 b/Includes: Alfalfa, Barley, Blackeyes, Oats, Wheat, and Other
 c/Includes: Alfalfa, Barley, Blackeyes, Rye, and Wheat
 d/Includes: Lettuce and Onions
 e/Includes: Lettuce, Onions, and Peppers
 f/Does not include cotton acreage.

LIVESTOCK & POULTRY - 1994

<u>KIND</u>	<u>YEAR</u>	<u>NUMBER OF HEAD</u>	<u>TOTAL LIVEWIGHT</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Cattle & Calves	1994	36,700	a/243,000	Cwt	\$ 57.30	\$13,922,000
	1993	32,800	a/223,000	Cwt	64.60	14,410,000
Sheep & Lambs	1994	151,000	169,000	Cwt	56.50	9,555,000
	1993	155,000	173,000	Cwt	67.20	11,625,000
Hogs	1994	2,980	6,550	Cwt	46.80	306,000
	1993	4,030	8,860	Cwt	50.10	444,000
Fryers & Roasters	1994	381,000	2,392,000	Lb	0.43	1,040,000
	1993	397,000	2,439,000	Lb	0.43	1,041,000
Ostriches	b/1994	877	---	Each	1,230.00	1,079,000
	c/1993	56	---	Each	3,000.00	168,000
Misc.	d/1994	---	---	---	---	63,000
	e/1993	---	---	---	---	236,000
TOTALS	1994	---	---	---	---	25,965,000
	1993	---	---	---	---	\$27,924,000

a/Includes Feeder weight, not included in head count

b/Includes Chicks through Yearlings

c/Includes Breeders

d/Includes: Game Birds for meat and Other

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

JANUARY FIRST INVENTORIES LIVESTOCK 1994 - 1995

<u>ITEM</u>	<u>JANUARY 1, 1994</u>	<u>JANUARY 1, 1995</u>
*All Cattle and Calves	180,000	189,000
*Cattle on Feed	42,000	45,000
*Milk Cows, Two Years and Over	30,000	30,000
*Stock Sheep and Lambs	126,000	130,000
*Hogs	2,000	1,700

*California Crop and Livestock Reporting Service Estimates

LIVESTOCK AND POULTRY PRODUCTS - 1994

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Milk, Market	1994	7,713,000	Cwt	\$11.40	\$87,646,000
	1993	6,829,000	Cwt	11.30	76,818,000
Milk, Manufacturing	1994	12,300	Cwt	10.20	125,000
	1993	7,880	Cwt	11.00	87,000
Wool	1994	1,680,000	Lb	0.64	1,075,000
	1993	1,788,000	Lb	0.50	894,000
Other Livestock Products	1994	---	---	---	10,211,000
	1993	---	---	---	10,557,000
TOTALS	1994	---	---	---	\$99,057,000
	1993	---	---	---	88,356,000

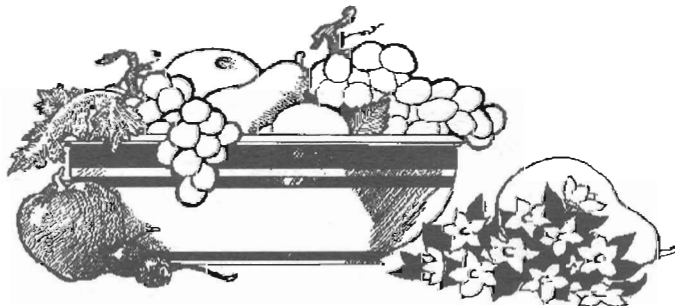
APIARY PRODUCTS - 1994

<u>PRODUCT</u>	<u>YEAR</u>	<u>TOTAL PRODUCTION</u>	<u>UNIT</u>	<u>UNIT VALUE</u>	<u>TOTAL VALUE</u>
Honey	1994	749,000	Lb	\$ 0.50	\$ 375,000
	1993	1,719,000	Lb	0.50	865,000
Beeswax	1994	93,600	Lb	1.35	126,000
	1993	215,000	Lb	1.25	269,000
Pollination	1994	168,000	Colony	31.10	5,218,000
	1993	201,000	Colony	28.70	5,759,000
Other Apiary Products	1994	---	---	---	245,000
	1993	---	---	---	352,000
TOTALS	1994	---	---	---	\$5,964,000
	1993	---	---	---	7,245,000

SUMMARY - 1994

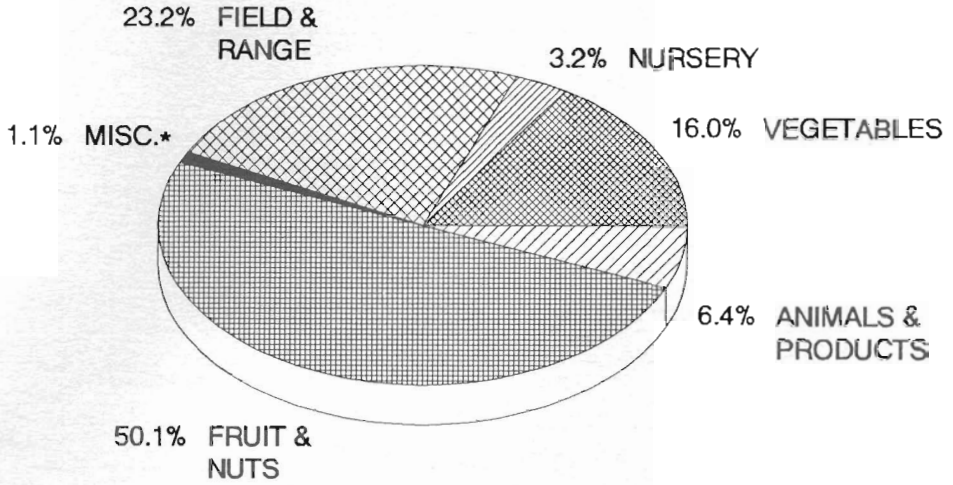
COMMODITY	YEAR	HARVESTED ACRES	RANGE	ESTIMATED VALUE
Fruit & Nut Crops	1994	228,307	---	\$976,139,000
	1993	219,363	---	*950,416,000
Field Crops & Rangeland	1994	487,574	2,225,216	453,301,000
	1993	483,296	2,236,475	418,738,000
Vegetable Crops	1994	102,209	---	311,128,000
	1993	102,623	---	320,215,000
Nursery Crops	1994	3,152	---	62,891,000
	1993	3,023	---	59,536,000
Industrial & Wood Crops	1994	---	---	11,144,000
	1993	---	---	7,979,000
Seed Crops	1994	2,670	---	4,179,000
	1993	1,420	---	5,269,000
Livestock & Poultry	1994	---	---	25,965,000
	1993	---	---	27,924,000
Livestock & Poultry Products	1994	---	---	99,057,000
	1993	---	---	88,356,000
Apiary Products	1994	---	---	5,964,000
	1993	---	---	7,245,000
TOTALS	1994	823,912	2,225,216	\$1,949,768,000
	1993	809,725	2,236,475	*1,885,678,000
Total Value Without Timber	1994			\$1,947,218,000
	1993			*1,884,810,000

* Revised



1994 KERN COUNTY CROP VALUE

\$1,949,768,000

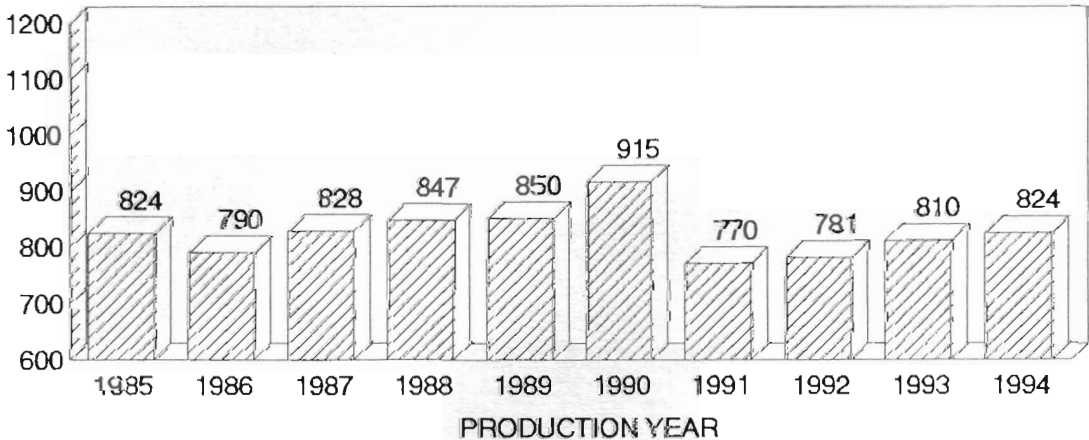


*Miscellaneous Includes: Industrial and Wood, Seed, and Apiary

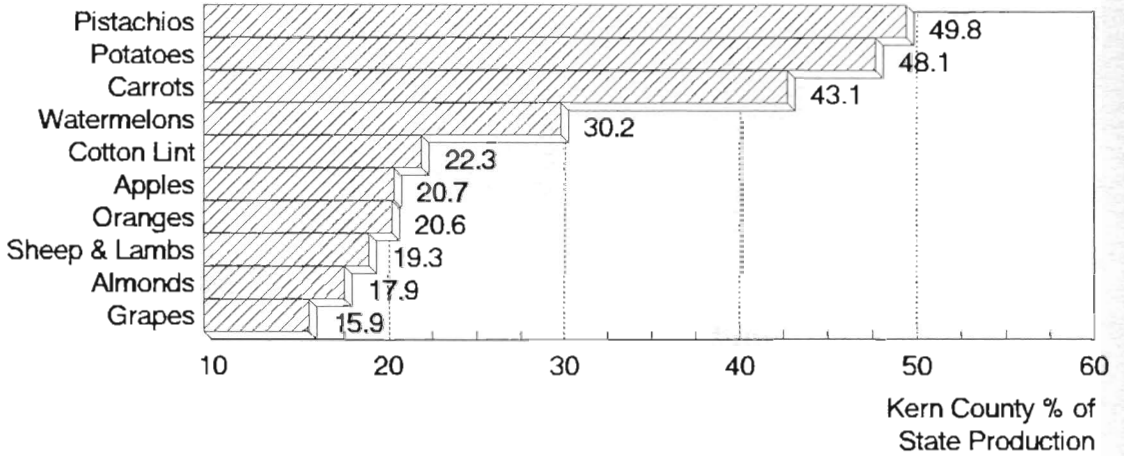
KERN COUNTY HARVESTED ACRES

1985 - 1994

ACRES (thousands)



KERN COUNTY'S SHARE of CALIFORNIA PRODUCTION (1993 Value)



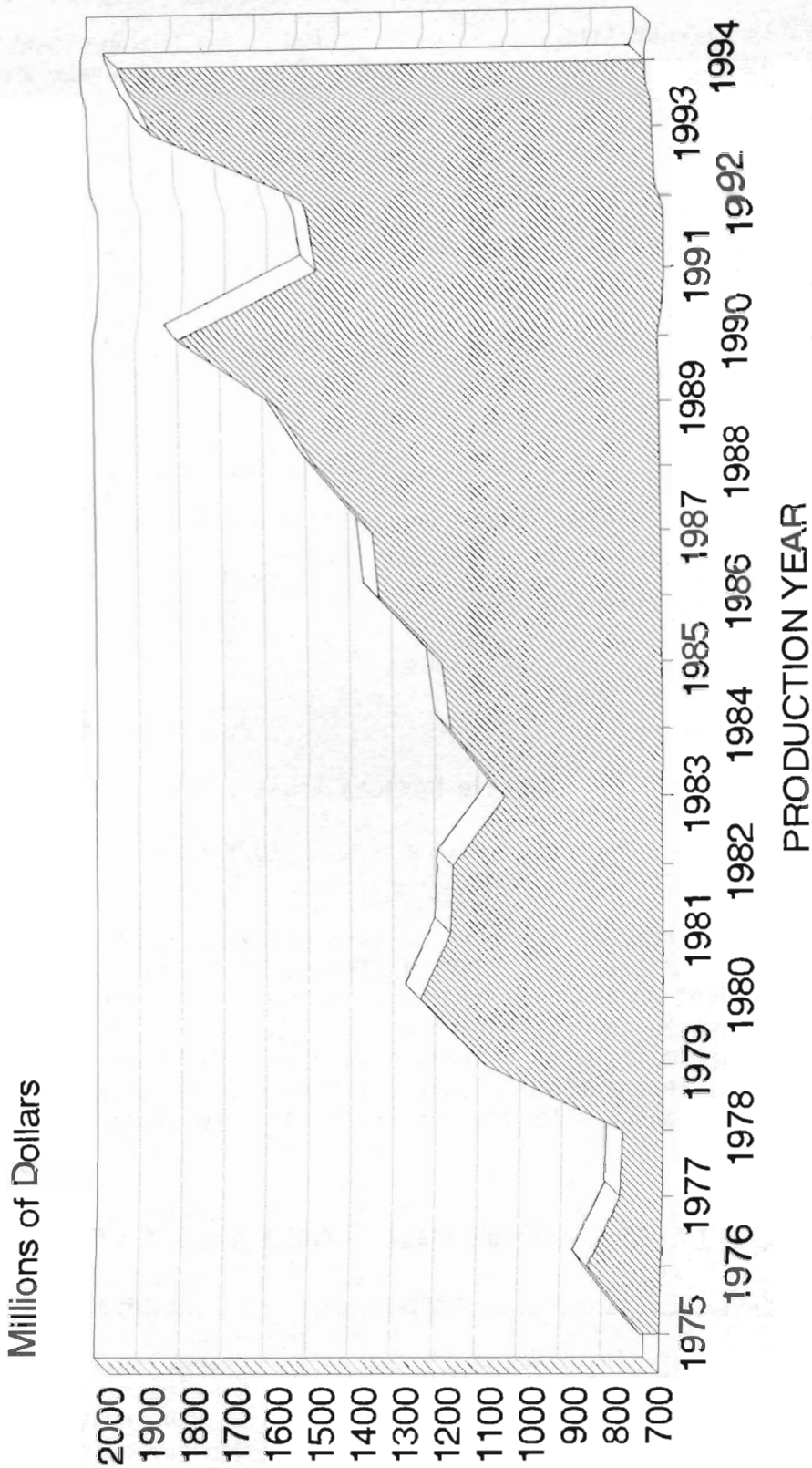
1994 ORGANIC FARMING STATISTICS

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Citrus	*	154
Grapes	6	2,903
Field Crops	*	167
Melons	*	43
Mixed Vegetables	4	1,125
Other Fruit & Nut	*	239
Stone Fruit	*	49

* Fewer than 4 growers

KERN COUNTY TOTAL CROP VALUE

A 20 YEAR COMPARISON



PEST DETECTION INSECT TRAPPING - 1994

<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

Sterile Mediterranean fruit flies

	1993	1994
Bakersfield Area	9	18
Buttonwillow Area	1	9
Lebec - Grapevine Area	7	8
Other Areas	<u>3</u>	<u>5</u>
TOTAL	20	40

Sterile Mexican fruit flies

	1993	1994
Bakersfield Area	0	8

The sterile Mediterranean fruit flies were released in the Los Angeles basin and the sterile Mexican fruit flies in the San Diego area as part of the fruit fly eradication program in these regions. They migrated to Kern County after being released in quarantine areas to mate with wild fruit flies. 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 fruit fly population will die out.

BIOLOGICAL CONTROL ACTIVITIES - 1994

<u>Pest</u>	<u>Agent</u>	<u>Scope of Program</u>
Silverleaf Whitefly <u>Bemisia tabaci</u>	Parasitic Wasp <u>Eretmocerus sp.</u>	5 Species Released 5 Releases 73,000 Individuals Total Monitoring of Population
	Parasitic Wasp <u>Encarsia sp.</u>	1 Species Released 5 Releases 5,500 Individuals Total Monitoring of Population

PEST ERADICATION - 1994

<u>PEST</u>	<u>MECHANISM</u>	<u>SCOPE OF PROGRAM</u>
Pink Bollworm <u>Pectinophora gossypiella</u>	Trapping* Sterile Release* Plowdown	113 Native Moths Detected 1,954 Fields 291,013 Acres
Dalmatian Toadflax <u>Linaria dalmatica</u>	Hand hoe	79.0 hours
Halogeton <u>Halogeton glomeratus</u>	Survey	24.0 hours
Scotch Thistle <u>Onopordum acanthium</u>	Survey	3.0 hours

*Cooperative Pink Bollworm Project

PEST EXCLUSION - 1994

<u>INTERCEPTION*</u>	<u>PATHWAY</u>
Live Pests	6 Post Office
Noxious Weeds	1 Post Office
Improper Certification	32 Post Office
Labelling	8 Post Office
Live Pest	9 Parcel Post
Improper Certification	4 Parcel Post
Labelling	4 Parcel Post
Noxious Weeds	1 Truck

*Kern County intercepted 2 "A" rated and 3 "Q" rated pests in 1994.

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

Steven H. Groves, Shafter/Wasco

Calvin E. Langston, Edison/Bakersfield

Barry H. Marlett, Tehachapi

Matthew R. Peet, Pest Exclusion/Detect.

Douglas I. Roye, Mettler

Samuel A. Vorhees, Delano/McFarland

Steven G. Watson, Arvin/Lamont

Robert L. Wegis, Pesticide Enforc.

Richard L. White, Fruit & Vegetable

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

PREDATORY ANIMAL CONTROL SPECIALIST

Thomas A. Robinson

CLERICAL

Sharon S. Cornelison

Senior Secretary

Nancy L. Finzel

Typist Clerk III

Barbara McMillian

Data Entry Operator II

Bonita M. Christolear

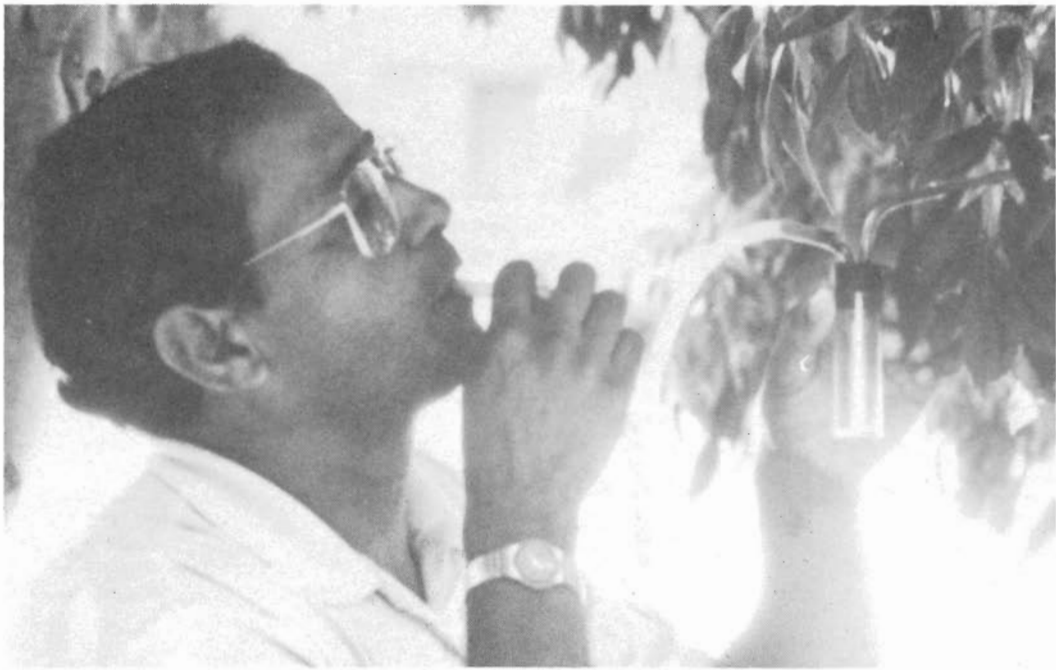
Account Clerk IV

Kathryn F. Miller

Account Clerk III

Elizabeth A. Hall

Account Clerk II



Dr. David Daoud
1939 - 1994

The 1994 Kern County Crop Report is dedicated to Dr. David Daoud. David's dedication to agriculture and his professionalism as the Kern County Staff Biologist are missed. David was instrumental in battling the Ash Whitefly and worked with state and federal officials to control the Silverleaf Whitefly. In addition to working on whiteflies, David supervised the County's Exotic Pest Detection Trapping Program and was also involved in several biological control programs throughout the county. He was a recognized expert on the Pink Bollworm and Africanized honeybee. David loved children and Entomology. He combined his good natured personality with his professional background to help children learn about bugs. Thousands of children attending the Kern County Farm Day would sit poised on his every word as he explained about the medfly, honeybees, and beneficial insects. David immigrated to the United States in 1975. He held undergraduate degrees from the University of Cairo and earned a Doctorate in Biology from the Czechoslovak Academy of Science in Prague. He began working for the County in 1978. David's passing is a great loss to Kern County agriculture. His contributions will continue to benefit agriculture far into the future.

Crop Report Compiled By:
Mark R. Sabin
Agricultural Biologist III
&
Gary A. Klawitter
Agricultural Biologist III

ACKNOWLEDGEMENT:

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