



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:

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- & -

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DEPARTMENT OF AGRICULTURE

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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,

Theodore K. Davis
Agricultural Commissioner

TKD:sc

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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	<u>1</u>	<u>64</u>	<u>65</u>
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	1991	11,031	1.23	13,500	Ton	437.00	5,901,000
Edible	1990	11,127	1.36	15,100	Ton	574.00	8,671,000
Cotton Lint,	1991	208,632	a/1256	b/524,000	Bale	c/ .70	181,974,000
Acala	1990	287,644	a/1200	b/690,000	Bale	c/ .77	265,783,000
Cotton Lint,	1991	15,687	a/ 921	b/ 28,900	Bale	c/ .99	14,288,000
Pima	1990	24,460	a/1270	b/ 62,000	Bale	c/1.09	33,860,000
Cottonseed,	1991	---	---	221,000	Ton	158.00	34,951,000
Processing	1990	---	---	303,000	Ton	175.00	53,025,000
Hay,	1991	109,033	8.18	892,000	Ton	74.40	66,321,000
Alfalfa	1990	108,891	8.04	875,000	Ton	99.30	86,848,000
Hay,	1991	26,400	2.67	70,500	Ton	46.90	3,306,000
Grain	1990	24,000	2.49	59,800	Ton	84.30	5,038,000
Hay,	1991	13,500	6.04	81,500	Ton	76.70	6,254,000
Other	1990	15,000	4.00	60,000	Ton	80.00	4,800,000
Pasture,	1991	6,000	---	---	Acre	112.00	672,000
Irrigated	1990	7,000	---	---	Acre	110.00	770,000
Pasture,	1991	---	---	---	---	---	2,031,000
Other	1990	---	---	---	---	---	3,554,000
Pasture,	1991	2,236,447	---	---	Acre	6.00	13,419,000
Range	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 &	1991	14,000	16.58	232,000	Ton	15.70	3,635,000
Forage	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	1991	---	---	86,200	Ton	855.00	73,718,000
Market	1990	---	---	121,385	Ton	852.00	103,420,000
**Raisins	1991	---	---	10,500	Ton	992.00	10,419,000
Dry Wgt.	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	1991	19,899	7.13	141,900	Ton	\$ ---	\$ 121,186,000
<u>Variety</u>	1990	20,099	7.96	160,000	Ton	---	132,033,000
Fresh	1991	---	---	120,000	Ton	985.00	118,235,000
Market	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	1991	26,588	7.86	209,000	Ton	---	36,859,000
<u>Variety</u>	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
Lettuce, Head	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
Lettuce, Head	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
Spring	1991	19,658	22.40	440,400	Ton	---	83,971,000
<u>Total</u>	1990	21,414	18.73	401,000	Ton	---	85,484,000
Fresh	1991	---	---	323,000	Ton	227.00	73,245,000
Market	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
Winter	1991	2,961	5.57	16,500	Ton	---	4,089,400
<u>Total</u>	1990	2,473	8.41	20,800	Ton	---	7,824,000
Fresh	1991	---	---	15,300	Ton	266.00	4,076,000
Market	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

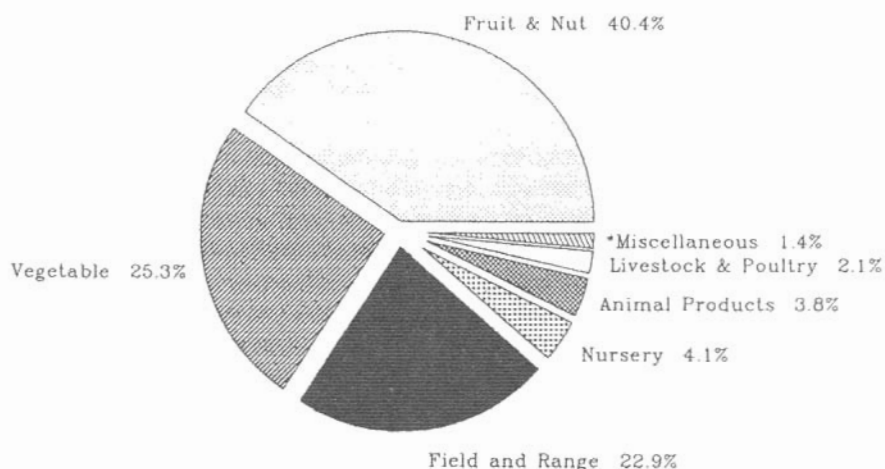
*Estimates of California Crop and Livestock Reporting Service

<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*	<u>902,223</u>	<u>2,096,713</u>	<u>1,837,516,000</u>

* Revised

1991 CROP VALUE

\$1,521,542,000

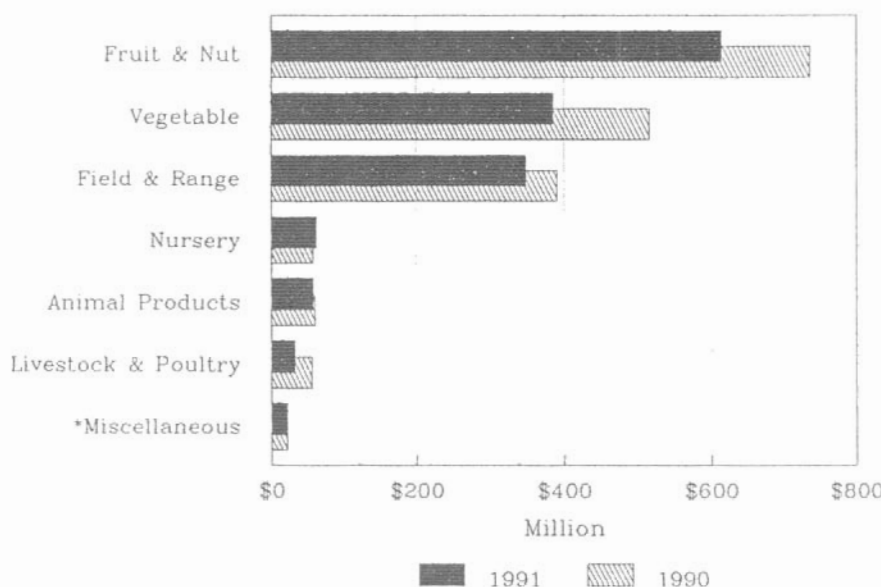


% OF TOTAL VALUE BY CATEGORY

*Miscellaneous: Industrial, Seed, Apiary

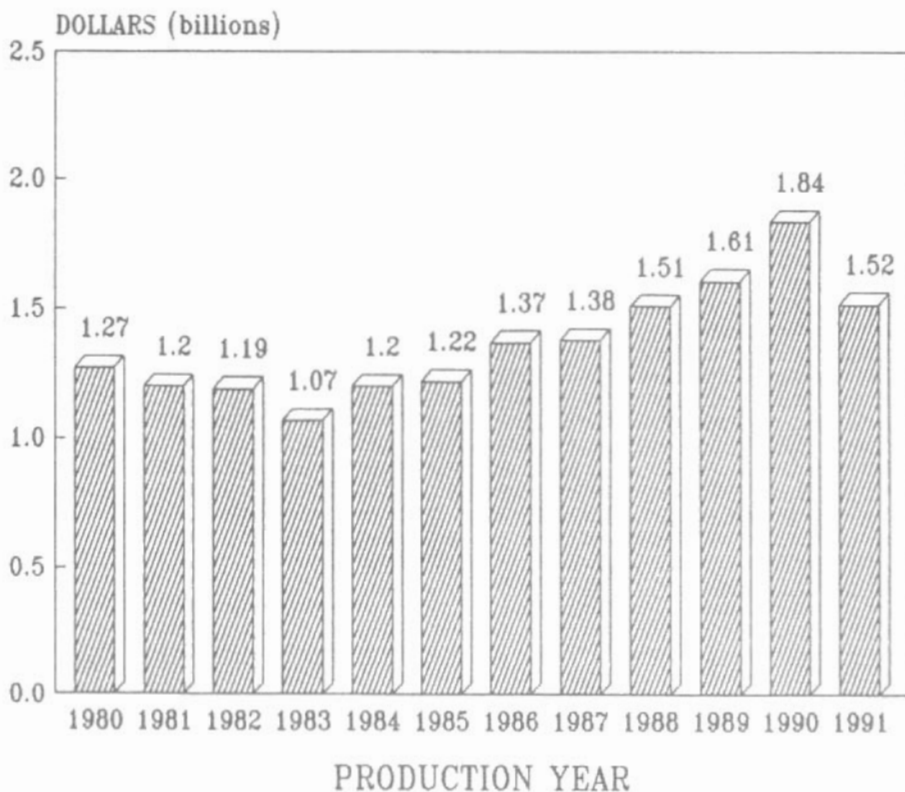
VALUE COMPARISON

1990 - 1991

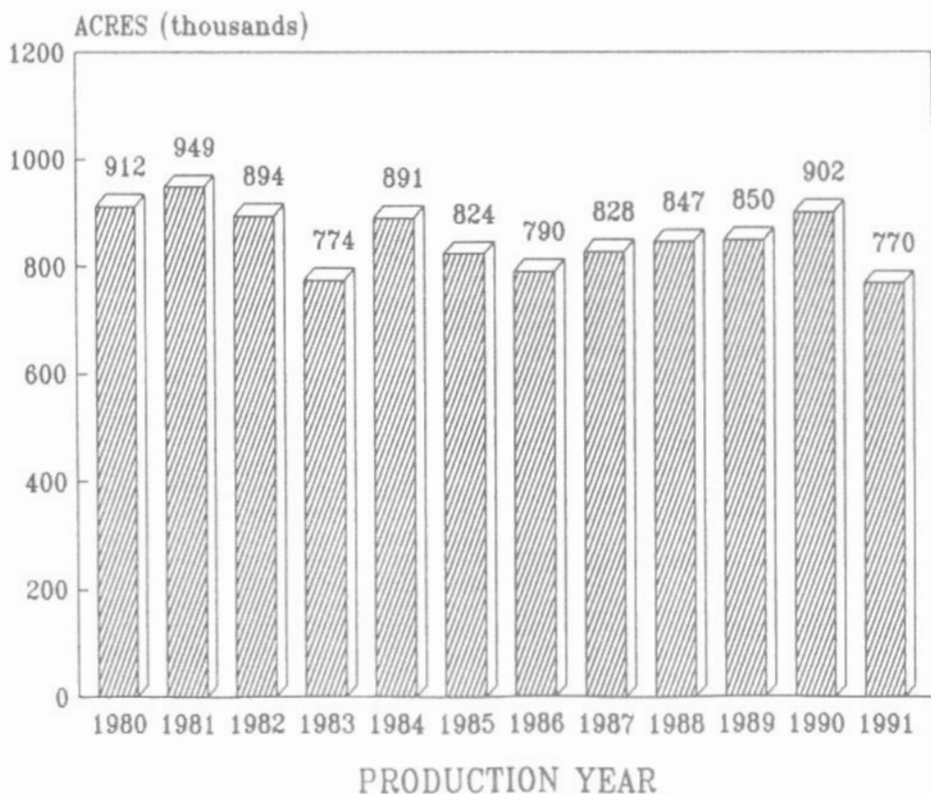


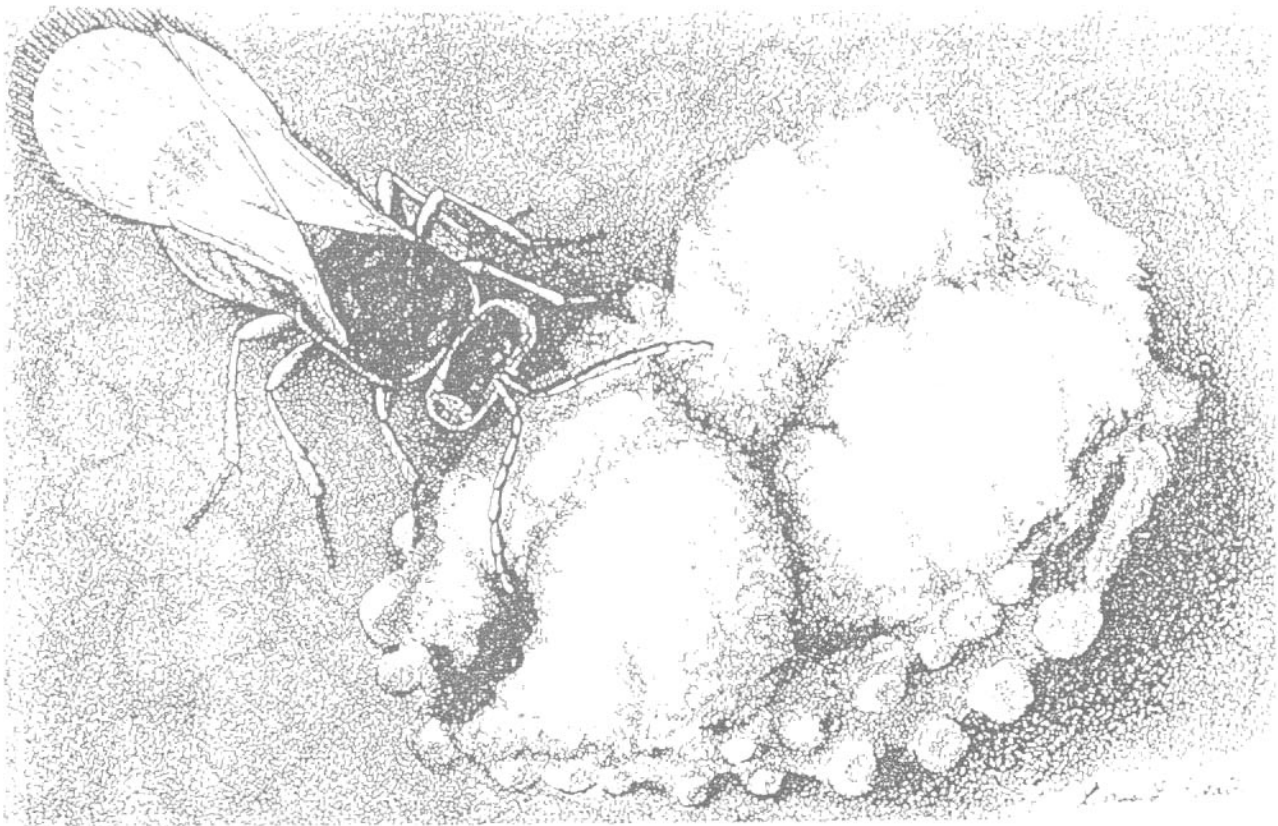
*Miscellaneous: Industrial, Seed, Apiary

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