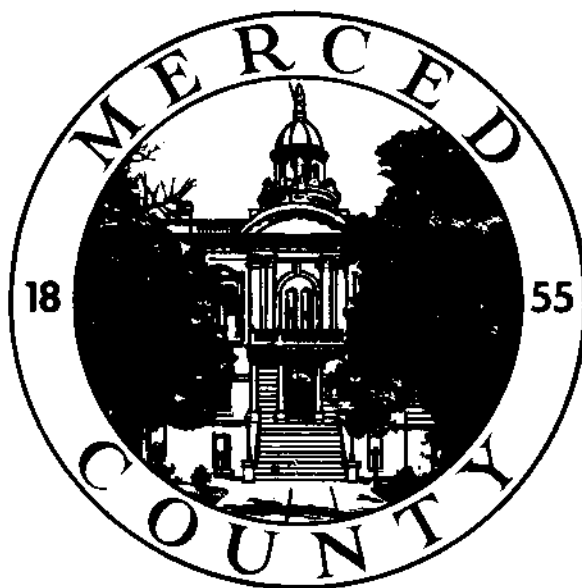


ANNUAL REPORT OF AGRICULTURE



1991

**MERCED COUNTY DEPARTMENT OF AGRICULTURE
MERCED, CALIFORNIA**

**MICHAEL J. TANNER, Agricultural Commissioner
GARY CASERI, Assistant Agricultural Commissioner**



DEPARTMENT OF AGRICULTURE

2139 WEST WARDROBE AVENUE
TELEPHONE (AREA CODE 209) 385-7431
MERCED, CALIFORNIA 95340-6495

MICHAEL J. TANNER
Agricultural Commissioner
Director of Weights and Measures
Director of Animal Control
GARY CASERI
Assistant Agricultural Commissioner

TO: HENRY J. VOSS, DIRECTOR, CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE AND THE HONORABLE BOARD OF SUPERVISORS OF MERCED COUNTY:

ANN KLINGER, CHAIRPERSON
WYATT "DUB" DAVENPORT
MICHAEL BOGNA
DEAN PETERSON
JERRY O'BANION

I am pleased to submit the 1991 Agricultural Crop Report as required by Section 2279 and the Sustainable Agriculture Report required by Section 2272 of the California Food and Agriculture Code.

It is with pride that I announce for the third straight year that Merced County gross agriculture production value has topped one billion dollars, coming in at \$1,030,676,000. This is 6.22% lower than the previous year, or \$68,409,000. The agricultural industry again faced some hard times in 1991. The fifth year of drought and water shortage, the great "December 1990 freeze", salmonella food safety scare, and depressed prices with lower production for many commodities all contributed to the overall loss in total gross agricultural value. Despite the adversities, the resiliency of the producers is evident in the final results.

Sweet potatoes showed a tremendous gain, to lead the way, up \$12,422,000 to \$34,371,000, a reversal of last year's loss. Yield was up 27.1% and price 29.1%. Tomatoes increased to \$47,024,000, an increase of \$4,108,000. Most of the gain was in processing tomatoes with 1,700 more acres and production at 31.1 tons per acre, up 2.06 tons.

Cattle and calves reached \$51,212,000, up \$2,107,000 due to 3,000 more head marketed and price up slightly. Increased value of significance was also realized in dry lima beans, miscellaneous frozen fruit and firewood.

Almonds, as a result of the "miracle March rains" during bloom, suffered the largest decline of all, losing \$19,530,000 due to a 540 pound per acre yield drop to 1,180 pounds. Acreage was down 5.4%, however, price was up 25%.

Chicken fryers and broilers, the number two commodity, plunged to \$120,566,000, losing \$18,546,000 as 1,725,000 fewer birds were produced and price declined 3 cents per pound. Alfalfa hay lost \$14,215,000, down to \$48,010,000 as price fell 27%, but acreage was up 6.8%.

Another big loser was cotton lint at \$63,480,000, a decline of \$5,940,000 due to production down 6.9% and lower price, but acreage was up 11%. Sugar Beets were down \$4,962,000 to \$8,251,000 because of 4,400 less acres and yield down 7.8%. The number one commodity in the County, milk, even though production was up 5.5%, showed a loss for the first time since 1988 at \$275,327,000, down \$4,134,000 due to a 6.7% price reduction.

Other commodities with significant decreases in value include almond hulls, other silage, grain corn, freezer lima beans, pistachios, wheat, rice, cotton seed, clingstone peaches, and hatching eggs.

This report addresses the acreage, production and gross value of agricultural production in Merced County. It does not attempt to reflect net farm income or costs of production and marketing. This report also emphasizes an average production and average value of gross receipts. Value is based on farmgate prices except for fresh packed commodities which reflect an FOB, freight on board, price.

I want to express my sincere appreciation to those persons who have provided the information and assistance necessary for my staff to compile this report under the direction of Loyd McCollum, Agricultural Biologist III. My thanks to the growers and industry members of Merced County who truly make AGRICULTURE our number one and most valued industry.

Respectfully submitted,

Michael J. Tanner

Michael J. Tanner
Agricultural Commissioner

DISTRICT OFFICE: 342 "D" St. Los Banos, CA 93635 (209) 827-2030

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER

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**FIELD CROPS
ACREAGE, PRODUCTION AND VALUE 1991-1990**

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	PER UNIT	VALUE	
			PER ACRE	TOTAL			PER UNIT	TOTAL
BARLEY	1991	3,770	1.78	6,710	Ton	\$110.00	\$	738,000
	1990	3,940	1.90	7,500	Ton	101.00		758,000
BEANS (Dry Lima)	1991	4,530	1.33	6,020	Ton	583.00		3,510,000
	1990	2,880	1.18	3,400	Ton	675.00		2,295,000
BEANS (Dry Other)	1991	2,950	1.15	3,390	Ton	500.00		1,695,000
	1990	1,680	1.05	1,800	Ton	600.00		1,080,000
CORN (Grain)	1991	6,050	4.14	25,000	Ton	136.00		3,400,000
	1990	11,850	4.12	48,800	Ton	138.00		6,734,000
COTTON (Lint)	1991	77,200	1,192 lbs.	184,000	500 lb. bale	345.00		63,480,000
	1990	69,500	1,280 lbs.	178,000	500 lb. bale	390.00		69,420,000
COTTON (Seed)	1991	----	----	69,000	Ton	128.00		8,832,000
	1990	----	----	68,000	Ton	155.00		10,540,000
HAY (Alfalfa)	1991	74,500	6.96	519,000	Ton	84.00		43,600,000
	1990	69,900	7.08	495,000	Ton	115.00		56,925,000
HAY (Alfalfa-Cube)	1991	6,600	6.40	42,000	Ton	105.00		4,410,000
	1990	6,010	7.28	43,800	Ton	121.00		5,300,000
HAY (Grain)	1991	27,400	3.12	85,500	Ton	69.80		5,968,000
	1990	23,500	3.07	72,000	Ton	81.10		5,839,000
HAY (Sudan)	1991	1,280	3.40	4,350	Ton	55.30		241,000
	1990	1,050	2.62	2,750	Ton	69.10		190,000
OATS (Grain)	1991	2,450	1.62	4,000	Ton	180.00		720,000
	1990	2,150	2.00	4,300	Ton	200.00		860,000
PASTURE (Irrigated)	1991	80,000	----	----	Acre	120.00		9,600,000
	1990	83,000	----	----	Acre	110.00		9,130,000
PASTURE (Other)	1991	555,000	----	----	Acre	15.00		8,325,000
	1990	556,000	----	----	Acre	12.50		6,950,000
RICE	1991	1,900	3.63	6,900	Ton	151.00		1,042,000
	1990	5,300	3.72	19,700	Ton	149.00		2,935,000
SAFFLOWER	1991	603	.93	560	Ton	245.00		137,000
	1990	665	1.13	750	Ton	250.00		188,000
SILAGE (Corn)	1991	46,000	23.34	1,074,000	Ton	17.80		19,117,000
	1990	39,500	23.42	925,000	Ton	19.70		18,223,000
¹ SILAGE (Other)	1991	45,700	11.33	518,000	Ton	19.84		10,277,000
	1990	43,100	13.60	586,000	Ton	22.90		13,419,000
SORGHUM (Grain)	1991	90	1.58	142	Ton	96.00		14,000
	1990	85	2.16	184	Ton	103.00		19,000
STRAW	1991	----	----	1,400	Ton	35.00		49,000
	1990	----	----	1,800	Ton	35.00		63,000
² STUBBLE (Pasture)	1991	8,000	----	----	Acre	10.00		80,000
	1990	15,000	----	----	Acre	10.00		150,000
SUGAR BEETS	1991	7,900	27.34	216,000	Ton	38.20		8,251,000
	1990	12,300	29.65	365,000	Ton	36.20		13,213,000
WHEAT	1991	8,600	2.71	23,300	Ton	100.00		2,330,000
	1990	15,200	2.58	39,300	Ton	108.00		4,244,000
TOTAL	1991	952,523						\$195,816,000
	1990	947,630						228,475,000

¹Includes Alfalfa, Barley, Earlage, Oats, Rye, Sorghum, Sudan, Wheat and Winter Forage.

²Includes Alfalfa, Barley, Oats and Wheat. Stubble pasture not included in total acreage.

**NURSERY PRODUCTS
PRODUCTION ACREAGE, SALES AND VALUE 1991-1990**

	YEAR	ACREAGE	TOTAL
TOTAL	1991	1,033	\$12,288,000
	1990	708	12,036,000

Includes Budwood, Pits and Cuttings; Citrus, Deciduous Fruit and Nut Trees; Dried Flowers, Grapevines; Greenhouse Plants; Roses; Strawberry Plants, Tomato and other Vegetable Plants; Semi-Tropical Ornamental and Shade Trees; Shrubs; Ornamental Plants, and Christmas Trees. The separate production and value are not shown to avoid disclosing individual operations.

**OTHER AGRICULTURE
PRODUCTION AND VALUE 1991-1990**

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
FIREWOOD	1991	34,700	Cords	\$78.00	\$2,707,000
	1990	16,600	Cords	75.00	1,245,000
¹ FUEL (Cogeneration)	1991	84,900	Tons	22.60	1,919,000
	1990	82,700	Tons	18.50	1,530,000
² MANURE	1991	1,171,000	Tons	4.63	5,422,000
	1990	1,253,000	Tons	4.68	5,864,000
TOTAL	1991				\$10,048,000
	1990				8,639,000

¹Almond Shells, Cotton Stalks, Gin Trash, Orchard Prunings.

²Livestock, Poultry.

**SEED CROPS
ACREAGE, PRODUCTION AND VALUE 1991-1990**

CERTIFIED SEED CROPS

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
¹ SEED CROPS (Miscellaneous)	1991	896	----	----	Lb.	----	\$397,000
	1990	718	----	----	Lb.	----	298,000
TOTAL	1991	896			Lb.		\$397,000
	1990	718			Lb.		298,000

NON-CERTIFIED SEED CROPS

BEANS	1991	250	2,250	563,000	Lb.	\$0.315	\$ 177,000
	1990	385	2,521	971,000	Lb.	0.320	311,000
² SEED CROPS (Miscellaneous)	1991	3,409					1,105,000
	1990	2,760					856,000
TOTAL	1991	3,659					\$1,282,000
	1990	3,145					1,167,000

ALL SEED CROPS

TOTAL	1991	4,555					\$1,679,000
	1990	3,863					1,465,000

¹Includes certified seed from Alfalfa, Beans, Oats, Rye and Wheat.

²Includes common seed from Cabbage, Carrot, Cucumber, Lettuce, Melons, Oats, Onions, Pepper, Rye, and Wheat.

**VEGETABLE CROPS
ACREAGE, PRODUCTION AND VALUE 1991-1990**

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS-LIMA	1991	713	1.91	1,360	Ton	\$440.00	\$ 598,000
(Freezer)	1990	4,550	1.49	6,780	Ton	500.00	3,390,000
MELONS	1991	9,800	326	3,195,000	40 lb. ctns.	3.55	11,342,000
(Cantaloupe)	1990	7,260	382	2,775,000	40 lb. ctns.	4.02	11,155,000
MELONS	1991	1,685	17.30	29,150	Ton	83.00	2,419,000
(Watermelon)	1990	1,350	17.50	23,600	Ton	135.00	3,186,000
MELONS	1991	1,792	11.36	20,360	Ton	136.00	2,769,000
(Other)	1990	1,810	9.84	17,800	Ton	128.00	2,278,000
PEAS	1991	1,165	1.91	2,230	Ton	300.00	669,000
(Freezer)	1990	1,430	1.35	1,930	Ton	280.00	540,000
PEPPERS	1991	655	11.56	7,570	Ton	358.00	2,710,000
BELL (Market)	1990	770	9.24	7,110	Ton	525.00	3,733,000
¹ PEPPERS	1991	-----	-----	450	Ton	183.00	82,000
(Processing)	1990	-----	-----	706	Ton	182.00	128,000
SWEET	1991	5,900	9.66	57,000	Ton	603.00	34,371,000
POTATOES	1990	6,180	7.60	47,000	Ton	467.00	21,949,000
TOMATOES	1991	7,300	972	7,096,000	25 lb. ctns.	4.21	29,874,000
(Market)	1990	7,440	889	6,614,000	25 lb. ctns.	4.32	28,572,000
TOMATOES	1991	10,200	31.10	317,000	Ton	54.10	17,150,000
(Processing)	1990	8,500	28.20	240,000	Ton	54.34	13,042,000
TOMATOES	1991	17,500		406,000	Ton		47,024,000
(All)	1990	15,240		323,000	Ton		41,614,000
² VEGETABLES	1991	3,355					5,963,000
(Miscellaneous)	1990	3,410					5,652,000
TOTAL	1991	42,565					\$107,947,000
	1990	42,700					93,625,000

¹From Market Acreage and Processing Varieties.

²Includes Broccoli, Cabbage, Carrots, Cauliflower, Chili Peppers, Cucumber, Eggplant, Garlic, Lettuce, Onions, Oriental Vegetables, Processed Melons, Popcorn, Pumpkin, Radicchio, Spinach, Squash, String Beans and Sweet Corn.

**FRUIT AND NUT CROPS
ACREAGE, PRODUCTION AND VALUE 1991-1990**

CROPS	YEAR	ACREAGE		PRODUCTION		UNIT	VALUE	
		HARVESTED	PER ACRE	TOTAL	PER UNIT		TOTAL	
ALMONDS (Kernel Basis)	1991	62,745	.59	37,000	Ton	\$2,250.00	\$ 83,250,000	
	1990	66,342	.86	57,100	Ton	1,800.00	102,780,000	
ALMONDS (Hulls)	1991	-----	-----	74,000	Ton	53.10	3,929,000	
	1990	-----	-----	116,000	Ton	65.80	7,633,000	
APRICOTS	1991	1,684	5.64	9,500	Ton	418.00	3,971,000	
	1990	1,657	6.53	10,820	Ton	269.00	2,911,000	
FIGS (Cannery)	1991	175	3.80	665	Ton	400.00	266,000	
	1990	167	3.80	635	Ton	300.00	191,000	
FIGS (Dry)	1991	3,184	1.11	3,530	Ton	1,430.00	5,048,000	
	1990	3,381	1.24	4,190	Ton	1,373.00	5,753,000	
GRAPES (Raisin)	1991	1,260	1.38	1,740	Ton	983.00	1,710,000	
	1990	1,217	1.83	2,230	Ton	888.00	1,980,000	
GRAPES (Raisin to Wine)	1991	218	6.37	1,389	Ton	132.00	183,000	
	1990	698	5.60	3,900	Ton	105.00	410,000	
GRAPES (Wine)	1991	13,108	8.14	107,000	Ton	218.00	23,326,000	
	1990	13,408	8.86	119,000	Ton	196.00	23,324,000	
KIWI	1991	37	4.97	184	Ton	1,860.00	342,000	
	1990	38	4.60	175	Ton	2,000.00	350,000	
NECTARINES	1991	209	8.44	1,760	Ton	620.00	1,091,000	
	1990	188	8.70	1,640	Ton	678.00	1,112,000	
OLIVES	1991	23	3.52	81	Ton	593.00	48,000	
	1990	37	1.27	47	Ton	538.00	25,000	
PEACHES (Clingstone)	1991	3,202	16.46	52,700	Ton	224.00	11,805,000	
	1990	3,925	15.76	61,900	Ton	217.00	13,432,000	
PEACHES (Freestone)	1991	1,630	19.92	32,500	Ton	181.00	5,883,000	
	1990	1,768	20.00	35,400	Ton	163.00	5,770,000	
MISC. FROZEN FRUIT (Berries, Grapes)	1991	-----	-----	3,810	Ton	599.00	2,282,000	
	1990	-----	-----	1,171	Ton	625.00	732,000	
PISTACHIOS	1991	4,244	0.29	1,230	Ton	3,250.00	3,998,000	
	1990	3,589	0.72	2,580	Ton	2,400.00	6,192,000	
PLUMS	1991	198	3.12	618	Ton	355.00	219,000	
	1990	278	2.19	609	Ton	701.00	427,000	
PRUNES	1991	1,897	1.63	3,090	Ton	922.00	2,849,000	
	1990	1,835	2.94	5,390	Ton	636.00	3,428,000	
WALNUTS (English)	1991	7,249	1.68	12,200	Ton	1,050.00	12,810,000	
	1990	7,622	1.63	12,400	Ton	990.00	12,276,000	
1 MISCELLANEOUS	1991	3,525					11,974,000	
	1990	2,915					12,047,000	
TOTAL	1991	104,588					\$174,984,000	
	1990	109,065					200,773,000	

1 Includes Apples, Fresh Berries, Black Walnuts, Cherries, Citrus, Fresh Peaches, Juice Peaches, Pecans, Pears, Persimmons and Table Grapes.

FRUIT AND NUT ACREAGE PLANTING 1991-1986

CROPS	YEAR 1991		YEAR 1986	
	BEARING	NON-BEARING	BEARING	NON-BEARING
ALMONDS	62,912	6,352	64,225	2,331
APPLES	2,637	130	1,520	858
APRICOTS	1,684	152	1,562	225
BERRIES	95	20	47	18
CHERRIES	144	107	104	41
FIGS (Cannery)	175	----	218	----
FIGS (Dry)	3,184	----	3,573	101
GRAPES (Raisin)	1,825	----	2,579	24
GRAPES (Table)	216	27	114	29
GRAPES (Wine)	13,108	539	14,402	411
KIWI	37	----	43	----
MANDARINS	19	11	----	----
NECTARINES	209	21	208	14
OLIVES	45	13	96	----
ORANGES	48	----	51	10
PEACHES (Clingstone)	2,802	1,263	3,763	239
PEACHES (Freestone)	1,630	278	1,787	255
PEARS	13	8	15	6
PECANS	38	10	86	----
PERSIMMONS	13	----	19	----
PISTACHIOS	4,244	77	3,259	1,064
PLUMS	248	4	188	117
POMEGRANATES	2	----	----	----
PRUNES	1,897	397	1,543	179
WALNUTS (Black)	2	----	53	18
WALNUTS (English)	7,249	701	8,009	719
TOTAL	104,476	10,110	107,464	6,659

LIVESTOCK AND POULTRY PRODUCTS 1991-1990

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
EGGS-CHICKEN (Market)	1991	39,347,000	Doz.	\$0.68	\$ 26,756,000
	1990	41,055,000	Doz.	0.68	27,917,000
EGGS (Hatching)	1991	7,920,000	Each	0.69	5,465,000
	1990	10,166,000	Each	0.69	7,015,000
MILK (Goat)	1991	6,480	Cwt.	25.38	164,000
	1990	9,810	Cwt.	25.40	249,000
MILK (Market)	1991	23,497,000	Cwt.	11.16	262,223,000
	1990	22,265,000	Cwt.	11.96	266,289,000
MILK (Manufacturing)	1991	1,259,000	Cwt.	10.41	13,104,000
	1990	1,192,000	Cwt.	11.05	13,172,000
WOOL	1991	394,000	Lb.	0.63	248,000
	1990	458,000	Lb.	0.70	321,000
TOTAL	1991				\$307,960,000
	1990				314,963,000

BEE INDUSTRY 1991-1990

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
BEESWAX	1991	17,600	Lb.	\$ 1.05	\$ 18,000
	1990	15,300	Lb.	1.10	17,000
¹ BULK BEES	1991	18,000	Lb.	4.50	81,000
	1990	22,800	Lb.	4.00	91,000
² HONEY	1991	1,013,000	Lb.	0.503	510,000
	1990	915,000	Lb.	0.450	412,000
³ POLLINATION	1991	141,000	Colony	28.60	4,033,000
	1990	148,000	Colony	27.10	4,022,000
QUEENS	1991	5,800	Each	5.25	30,000
	1990	4,500	Each	5.00	23,000
TOTAL	1991				\$4,672,000
	1990				4,565,000

¹Includes bees sold as nuclei.

²Honey produced by 35,100 colonies in 1991 and 30,500 colonies in 1990 owned by resident beekeepers.

³Pollination colonies include all required to pollinate crops grown in Merced County.

**LIVESTOCK AND POULTRY
PRODUCTION AND VALUE 1991-1990**

ITEM	YEAR	NUMBER OF HEAD	LIVEWEIGHT	UNIT	VALUE	
					PER UNIT	TOTAL
CATTLE AND CALVES	1991	115,000	826,000	Cwt.	\$62.00	\$ 51,212,000
	1990	112,000	805,000	Cwt.	61.00	49,105,000
CHICKENS (Fryers and Broilers)	1991	90,183,000	415,744,000	Lb.	0.290	120,566,000
	1990	91,908,000	434,725,000	Lb.	0.320	139,112,000
CHICKENS (Other)	1991	1,198,000	4,385,000	Lb.	0.223	978,000
	1990	1,795,000	6,659,000	Lb.	0.243	1,618,000
GOATS	1991	1,053	-----	Each	56.00	59,000
	1990	957	-----	Each	42.00	40,000
HOGS AND PIGS	1991	39,900	88,000	Cwt.	61.24	5,389,000
	1990	40,700	90,000	Cwt.	58.40	5,256,000
¹ POULTRY (Miscellaneous)	1991	76,000	151,000	Lb.	3.03	457,000
	1990	210,000	246,000	Lb.	2.34	576,000
SHEEP AND LAMBS	1991	61,800	72,300	Cwt.	55.00	3,977,000
	1990	65,000	74,800	Cwt.	50.00	3,740,000
TURKEYS	1991	4,065,000	84,511,000	Lb.	0.369	31,185,000
	1990	4,178,000	87,738,000	Lb.	0.368	32,288,000
TOTAL	1991					\$213,823,000
	1990					231,735,000

¹Chuckar, Pheasant, Squab.

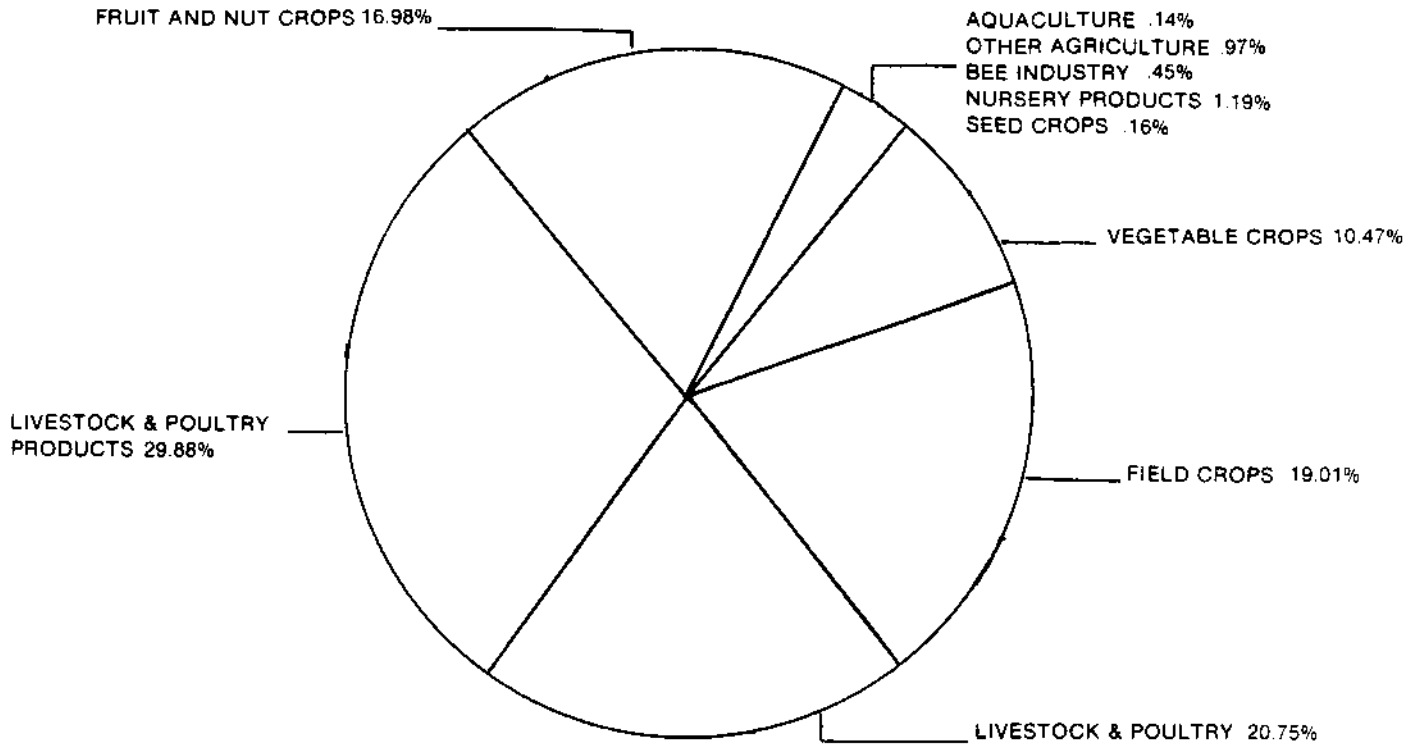
**AQUACULTURE
PRODUCTION AND VALUE 1991-1990**

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
¹ FISH FOR FOOD	1991	621,000	Lbs.	\$ 1.85	\$1,149,000
	1990	1,266,000	Lbs.	1.43	1,810,000
² FISH (Miscellaneous)	1991	9,875,000	Each	0.031	310,000
	1990	24,317,000	Each	0.041	999,000
TOTAL	1991				\$1,459,000
	1990				2,809,000

¹Catfish, Trout

²Feeder Fish (Goldfish and Minnows)

PERCENTAGE COMPARISON CHART



***GOVERNMENT PAYMENTS**

BARLEY	\$ 104,000	HONEY	\$ 29,000	SORGHUM	\$ 2,000
CORN	454,000	RICE	1,280,000	WHEAT	924,000
COTTON	5,047,000	LIVESTOCK FEED	673,000	WOOL	598,000

****CROPS NOT HARVESTED IN 1991**

ALFALFA	825 Acres	BROCCOLI	20 Acres	OAT HAY	70 Acres	PUMPKINS	110 Acres
ALMONDS	167 Acres	CITRUS	80 Acres	OATS	98 Acres	RAISINS	20 Acres
BEANS	40 Acres	CORN	20 Acres	OLIVES	22 Acres	SUGAR BEETS	46 Acres
BELL PEPPERS	249 Acres	HONEYDEWS	60 Acres	PLUMS	50 Acres	WHEAT	270 Acres

*Amounts not included in total value of each crop for 1991 (Source: ASCS Office).

**The reported planted acreages were not harvested due to crop failures, adverse weather, poor market or inability to harvest and transport

COMMODITY VALUE CROP COMPARISON SUMMARY 1991-1965

COMMODITIES	1991	1990	1985	1980	1975	1970	1965
AQUACULTURE	\$ 1,459,000	\$ 2,809,000	\$	\$	\$	\$	\$
BEE INDUSTRY	4,672,000	4,565,000	3,682,000	2,923,000	1,085,000	370,000	322,700
FIELD CROPS	195,816,000	228,475,000	161,412,000	191,239,000	101,968,000	45,783,000	40,884,300
FRUIT AND NUTS	174,984,000	200,773,000	121,208,000	152,584,000	55,799,000	29,752,000	18,054,600
LIVESTOCK & POULTRY	213,823,000	231,735,000	193,934,000	191,226,000	42,381,000	56,362,000	34,600,000
LIVESTOCK & POULTRY PRODUCTS	307,960,000	314,963,000	247,574,000	171,548,000	103,548,000	40,672,000	26,444,800
NURSERY PRODUCTS	12,288,000	12,036,000	7,239,000	15,734,000	5,023,000	2,382,000	2,684,000
OTHER AGRICULTURE	10,048,000	8,639,000					
SEED CROPS	1,679,000	1,465,000	2,876,000	3,012,000	2,972,000	469,300	1,533,500
VEGETABLE CROPS	107,947,000	93,625,000	74,493,000	65,831,000	47,704,000	16,707,700	14,184,900
TOTAL	\$1,030,676,000	\$1,099,085,000	\$612,418,000	\$ 794,097,00	\$404,956,000	\$191,860,300	\$138,708,800

TWELVE LEADING FARM COMMODITIES 1991

1. MILK	\$275,327,000 (1)	7. TOMATOES	\$47,024,000 (7)
2. CHICKENS	121,544,000 (2)	8. SWEET POTATOES	34,371,000 (11)
3. ALMONDS	83,250,000 (3)	9. TURKEYS	31,185,000 (8)
4. COTTON	63,480,000 (4)	10. EGGS	26,756,000 (9)
5. CATTLE	51,212,000 (6)	11. GRAPES, WINE	23,509,000 (10)
6. ALFALFA	48,010,000 (5)	12. CORN SILAGE	19,117,000 (13)

(Number in parenthesis denotes 1990 ranking)

MERCED COUNTY SUSTAINABLE AGRICULTURE

1991

BIOLOGICAL CONTROL

PEST	ORGANISM	SCOPE OF PROGRAM*
GRAPELEAF SKELETONIZER <u>Harrisina brillians</u>	<u>Ametadoria misella</u> (Parasitic Fly) <u>WGLS Granulosis</u> (Virus) <u>Apanteles harrisinae</u> (Parasitic Wasp)	Countywide
PUNCTURE VINE <u>Tribulus terrestris</u>	<u>Microlarinus jarenyii</u> (Seed Weevil) <u>Microlarinus lypriformis</u> (Stem Weevil)	Countywide
MILK THISTLE <u>Silybum marianum</u>	<u>Rhinocyllus conicus</u> (Seed-Head Weevil)	Countywide
ITALIAN THISTLE <u>Carduus tenuiflorus</u>	<u>Rhinocyllus conicus</u> (Seed-Head Weevil)	Limited
YELLOWSTAR THISTLE <u>Centaurea solstitialis</u>	<u>Bangasternus orientalis</u> (Seed-Head Weevil)	Two Sites
RUSSIAN THISTLE <u>Salsola iberica</u>	<u>Coleophora klimeschiella</u> (Case Bearing Moth) <u>Coleophora parthenica</u> (Russian Thistle Borer)	Seven Sites
WATER HYACINTH <u>Eichornia crassipes</u>	<u>Sameodes albiguttalis</u> (Hyacinth Moth) <u>Neochetina eichorniae</u> (Mottled Hyacinth Weevil)	Six Sites
ASH WHITEFLY <u>Siphoninus phillyrea</u>	<u>Encarsia partenopea</u> (Parasitic Wasp)	Countywide

*Represents total number of individual sites, trees, acres, etc., incorporated in program efforts (survey, trap, servings, releases, etc.)

MERCED COUNTY SUSTAINABLE AGRICULTURE

1991

PEST EXCLUSION

PEST INTERCEPTED	SOURCE	SCOPE OF PROGRAM
Ozonium Root Rot	Misc. Plants/UPS	4 Rejections/Destroyed
Baby's Breath	UPS	3 Rejections/Destroyed
Cedar-Apple Rust	Apple Trees/UPS	2 Rejections/Destroyed
Apple Maggot	Apples Pears/UPS	4 Rejections/Obtained Proper Certification
Varroa Mite	Beehives	Quarantine Discontinued
Gypsy Moth	Household Goods	Pest Removal/Destroyed
Japanese Beetle	Misc. Plants/UPS	2 Rejections/Destroyed
Magnolia White Scale	Areca Palm/Nursery	1 Rejection/Destroyed
Citrus Canker	Kaffir Lime/Asian Markets	2 Rejections/Destroyed
Burrowing Nematode	Misc. Plants/UPS	3 Rejections/Destroyed
Cereal Leaf Beetle	Straw/UPS	1 Rejection/Destroyed
Soybean Cyst	Zoysia Grass/UPS	35 Rejections/Obtained Proper Certification
Peach Yellows	Peach Tree/UPS	1 Rejection/Destroyed
Capweed	Nursery	Properly Certified

ORGANIC FARMING

1991 CROPS

CROP	NO. OF FARMS	ACRES
SWEET POTATOES	4	390
ALMONDS	5	172
GRAPES	1	50
PLUMS	1	8
PEACHES	1	7
ASIAN PEARS	1	3
POPCORN	1	20
*WALNUTS	1	4
*PERSIMMONS	1	1

*Non-certified programs.