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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

# Merced County

1990-1994

# **ANNUAL REPORT OF AGRICULTURE**



# **1990**

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

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



## DEPARTMENT OF AGRICULTURE

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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:

Wyatt "Dub" Davenport, Chairman  
Ann Klinger  
Michael Bogna

Dean Peterson  
Jerry O'Banion

I am extremely pleased to submit the 1990 Agricultural Crop Report as required by Section 2279 of the California Food and Agricultural Code.

It is with great pride that I am able to announce a new record agricultural gross value of \$1,099,085,000 for Merced County. This is \$45,977,000, a 4.37% increase above last year's record setting first time ever one billion dollar agricultural production value. Despite being in a fourth year of drought, most agricultural producers were able to adapt to the conditions faced, manage available water supplies and produce at near normal levels. Increased acreage and higher production or prices in major commodities produced in the County offset those which were lower.

Milk value reached a record \$279,461,000 continuing its lead as the number one commodity. Production was up 11.3% while price declined 3%. Chicken fryers and broilers trailed to remain the number two commodity at \$139,112,000, even though a huge drop of \$22,183,000 occurred due to a 4.5 cent per pound decline and lower production. Milk and chickens account for over 38% of the County's total agricultural value.

Almonds rebounded posting the highest gain of all commodities at \$102,780,000, an increase of \$22,580,000, the result of a record 1,720 pounds per acre average produced even though price dropped 10 cents per pound.

Cotton was up \$16,738,000 to \$69,420,000, with an all time high yield of 1,280 pounds per acre and higher price. Fifth place alfalfa was worth \$62,225,000 as acreage increased by 5,710 acres along with higher production and price. Chicken eggs enjoyed a good year increasing in value to \$27,917,000 with production up 26.7% and higher price.

Increased value of significance was also realized in silage (other), cattle and calves, pistachios, almond hulls, and miscellaneous fruit and nut crops.

Sweet potatoes plunged to \$21,949,000, losing \$12,827,000 as a result of a 24.3% decline in yield and price down 16.6%. Sugarbeets, with less acreage and price down 17%, dropped \$7,676,000 to \$13,213,000. Market tomatoes valued at \$28,572,000 lost \$6,806,000 as price per carton was down 21.7% even though acreage was up.

Horses will no longer be reported and have been dropped from all County reports beginning this year. 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.

Included in this report for the first time, in accordance with new legislation and Section 2272 of the California Food and Agriculture Code, is a brief "Sustainable Agriculture Report" which summarizes biological control, pest eradication, pest exclusion, and organic farming activities in Merced County.

I wish 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  
Agricultural Commissioner

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**FIELD CROPS  
ACREAGE, PRODUCTION AND VALUE 1990-1989**

CROPS	YEAR	ACREAGE		PRODUCTION		UNIT	VALUE	
		HARVESTED		PER ACRE	TOTAL		PER UNIT	TOTAL
BARLEY	1990	3,940		1.90	7,500	Ton	\$101.00	\$ 758,000
	1989	3,050		1.65	5,030	Ton	106.00	533,000
BEANS (Dry Lima)	1990	2,880		1.18	3,400	Ton	675.00	2,295,000
	1989	3,200		1.06	3,390	Ton	676.00	2,292,000
BEANS (Dry Other)	1990	1,680		1.05	1,800	Ton	600.00	1,080,000
	1989	2,340		.89	2,080	Ton	562.00	1,169,000
CORN (Grain)	1990	11,850		4.12	48,800	Ton	138.00	6,734,000
	1989	8,580		4.47	38,400	Ton	140.00	5,376,000
COTTON (Lint)	1990	69,500		1,280 lbs.	178,000	500 lb. bale	390.00	69,420,000
	1989	60,800		1,220 lbs.	148,400	500 lb. bale	355.00	52,682,000
COTTON (Seed)	1990	----		----	68,000	Ton	155.00	10,540,000
	1989	----		----	59,500	Ton	150.00	8,925,000
HAY (Alfalfa)	1990	69,900		7.08	495,000	Ton	115.00	56,925,000
	1989	62,600		6.84	428,000	Ton	103.00	44,084,000
HAY (Alfalfa-Cube)	1990	6,010		7.28	43,800	Ton	121.00	5,300,000
	1989	7,910		6.35	50,200	Ton	118.00	5,924,000
HAY (Grain)	1990	23,500		3.07	72,000	Ton	81.10	5,839,000
	1989	18,800		2.92	54,900	Ton	77.80	4,271,000
HAY (Sudan)	1990	1,050		2.62	2,750	Ton	69.10	190,000
	1989	832		3.55	2,950	Ton	68.50	202,000
OATS (Grain)	1990	2,150		2.00	4,300	Ton	200.00	860,000
	1989	2,460		2.20	5,410	Ton	150.00	812,000
PASTURE (Irrigated)	1990	83,000		----	----	Acre	110.00	9,130,000
	1989	83,000		----	----	Acre	110.00	9,130,000
PASTURE (Other)	1990	556,000		----	----	Acre	12.50	6,950,000
	1989	557,000		----	----	Acre	12.50	6,963,000
RICE	1990	5,300		3.72	19,700	Ton	149.00	2,935,000
	1989	8,700		3.59	31,200	Ton	145.00	4,524,000
SAFFLOWER	1990	665		1.13	750	Ton	250.00	188,000
	1989	846		1.51	1,280	Ton	328.00	420,000
<sup>1</sup> SILAGE (Corn)	1990	39,500		23.42	925,000	Ton	19.70	18,223,000
	1989	34,900		25.56	892,000	Ton	18.30	16,324,000
SILAGE (Other)	1990	43,100		13.60	586,000	Ton	22.90	13,419,000
	1989	44,800		10.56	473,000	Ton	20.50	9,697,000
SORGHUM (Grain)	1990	85		2.16	184	Ton	103.00	19,000
	1989	390		2.49	970	Ton	80.00	78,000
STRAW	1990	----		----	1,800	Ton	35.00	63,000
	1989	----		----	1,600	Ton	35.00	56,000
<sup>2</sup> STUBBLE (Pasture)	1990	15,000		----	----	Acre	10.00	150,000
	1989	14,500		----	----	Acre	10.00	145,000
SUGAR BEETS	1990	12,300		29.65	365,000	Ton	36.20	13,213,000
	1989	16,800		28.45	478,000	Ton	43.70	20,889,000
WHEAT	1990	15,200		2.58	39,300	Ton	108.00	4,244,000
	1989	16,200		2.73	44,200	Ton	130.00	5,746,000
<b>TOTAL</b>	1990	947,630						\$228,475,000
	1989	933,208						200,242,000

<sup>1</sup> Includes Alfalfa, Earlage, Oats, Sorghum, Sudan and Winter Forage.

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

**NURSERY PRODUCTS  
PRODUCTION ACREAGE, SALES AND VALUE 1990-1989**

	YEAR	ACREAGE	TOTAL
		1990	708
<sup>1</sup> TOTAL	1989	631	11,905,000

Includes Budwood, Pits and Cuttings; Citrus, Deciduous Fruit and Nut Trees; Grapevines; Roses; 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 1990-1989**

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
FIREWOOD	1990	16,600	Cords	\$75.00	\$1,245,000
	1989	16,200	Cords	65.00	1,053,000
<sup>1</sup> FUEL (Cogeneration)	1990	82,700	Tons	18.50	1,530,000
	1989	77,800	Tons	17.10	1,330,000
<sup>2</sup> MANURE	1990	1,253,000	Tons	4.68	5,864,000
	1989	1,344,000	Tons	5.58	7,500,000
TOTAL	1990				\$8,639,000
	1989				9,883,000

<sup>1</sup> Almond Shells, Cotton Stalks, Gin Trash, Orchard Prunings, Grape Pomace, Wood Shavings, Walnut Shells and Bean Straw.

<sup>2</sup> Livestock, Poultry.

**SEED CROPS  
ACREAGE PRODUCTION AND VALUE 1990-1989**

**CERTIFIED SEED CROPS**

CROPS	YEAR	ACREAGE		PRODUCTION		UNIT	VALUE	
		HARVESTED	PER ACRE	TOTAL	PER UNIT		TOTAL	
BEANS	1990	---	---	---	Lb.	\$ ---	\$ ---	
	1989	150	1,800	270,000	Lb.	0.330	89,000	
<sup>1</sup> SEED CROPS (Miscellaneous)	1990	718	---	---	---	---	298,000	
	1989	545	---	---	---	---	304,000	
<b>TOTAL</b>	1990	718	---	---	---	---	\$298,000	
	1989	695	---	---	---	---	393,000	

**NON-CERTIFIED SEED CROPS**

BEANS	1990	385	2,521	971,000	Lb.	\$0.320	\$ 311,000
	1989	922	2,151	1,983,000	Lb.	0.299	593,000
<sup>2</sup> SEED CROPS (Miscellaneous)	1990	2,760	---	---	---	---	856,000
	1989	2,947	---	---	---	---	1,225,000
<b>TOTAL</b>	1990	3,145	---	---	---	---	\$1,167,000
	1989	3,869	---	---	---	---	1,818,000

**ALL SEED CROPS**

<b>TOTAL</b>	1990	3,863	---	---	---	---	\$1,465,000
	1989	4,564	---	---	---	---	2,211,000

<sup>1</sup> Includes certified seed from Alfalfa, Barley, Oats, Peppers, Rice, Rye and Wheat.

<sup>2</sup> Includes common seed from Cabbage, Carrot, Cucumber, Lettuce, Melons, Oats, Onions, Pepper, Rye, Squash, Tomato and Wheat.



**VEGETABLE CROPS  
ACREAGE, PRODUCTION AND VALUE 1990-1989**

CROPS	YEAR	UNIT	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS-LIMA	1990	4,550	1.49	6,780	Ton	\$500.00	\$ 3,390,000
(Freezer)	1989	3,930	1.59	6,250	Ton	500.00	3,125,000
MELONS	1990	7,260	170	1,234,000	90 lb. crates	9.04	11,155,000
(Cantaloupe)	1989	8,231	148	1,218,000	90 lb. crates	8.30	10,109,000
MELONS	1990	1,350	17.50	23,600	Ton	135.00	3,186,000
(Watermelon)	1989	1,190	13.10	15,600	Ton	105.00	1,638,000
MELONS	1990	1,810	9.84	17,800	Ton	128.00	2,278,000
(Other)	1989	1,063	5.03	5,350	Ton	185.00	990,000
PEAS	1990	1,430	1.35	1,930	Ton	280.00	540,000
(Freezer)	1989	1,130	1.60	1,810	Ton	237.00	429,000
PEPPERS	1990	770	9.24	7,110	Ton	525.00	3,733,000
BELL (Market)	1989	1,156	6.47	7,480	Ton	512.00	3,830,000
<sup>1</sup> PEPPERS	1990	----	----	706	Ton	182.00	128,000
(Processing)	1989	----	----	218	Ton	176.00	38,000
SWEET	1990	6,180	7.60	47,000	Ton	467.00	21,949,000
POTATOES	1989	5,980	10.38	62,100	Ton	560.00	34,776,000
TOMATOES	1990	7,440	----	6,614,000	25 lb. ctns.	4.32	28,572,000
(Market)	1989	5,720	----	6,409,000	25 lb. ctns.	5.52	35,378,000
TOMATOES	1990	8,500	28.20	240,000	Ton	54.34	13,042,000
(Processing)	1989	8,150	31.10	253,000	Ton	56.10	14,193,000
TOMATOES	1990	15,240		323,000	Ton		41,614,000
(All)	1989	13,870		347,000	Ton		49,571,000
<sup>2</sup> VEGETABLES	1990	3,410					5,652,000
(Miscellaneous)	1989	1,796					3,663,000
<b>TOTAL</b>	1990	42,700					\$ 93,625,000
	1989	38,346					108,169,000

<sup>1</sup> From Market Acreage and Processing Varieties.

<sup>2</sup> Includes 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 1990-1989**

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
ALMONDS (Kernel Basis)	1990	66,342	.86	57,100	Ton	\$1,800.00	\$102,780,000
	1989	64,645	.62	40,100	Ton	2,000.00	80,200,000
ALMONDS (Hulls)	1990	----	----	116,000	Ton	65.80	7,633,000
	1989	----	----	82,200	Ton	67.00	5,507,000
APRICOTS	1990	1,657	6.53	10,820	Ton	269.00	2,911,000
	1989	1,563	5.52	8,630	Ton	256.00	2,209,000
FIGS (Cannery)	1990	167	3.80	635	Ton	300.00	191,000
	1989	175	3.80	665	Ton	300.00	200,000
FIGS (Dry)	1990	3,381	1.24	4,190	Ton	1,373.00	5,753,000
	1989	4,018	1.02	4,100	Ton	1,260.00	5,166,000
GRAPES (Raisin)	1990	1,217	1.83	2,230	Ton	888.00	1,980,000
	1989	815	1.76	1,430	Ton	920.00	1,316,000
GRAPES (Raisin to Wine)	1990	698	5.60	3,900	Ton	105.00	410,000
	1989	782	9.87	7,720	Ton	133.00	1,027,000
GRAPES (Wine)	1990	13,408	8.86	119,000	Ton	196.00	23,324,000
	1989	13,682	7.82	107,000	Ton	213.00	22,791,000
KIWIS	1990	38	4.60	175	Ton	2,000.00	350,000
	1989	43	4.47	192	Ton	1,450.00	278,000
NECTARINES	1990	188	8.70	1,640	Ton	678.00	1,112,000
	1989	166	7.30	1,210	Ton	644.00	779,000
OLIVES	1990	37	1.27	47	Ton	538.00	25,000
	1989	33	5.94	196	Ton	600.00	118,000
PEACHES (Clingstone)	1990	3,925	15.76	61,900	Ton	217.00	13,432,000
	1989	3,618	15.79	57,100	Ton	208.00	11,877,000
PEACHES (Freestone)	1990	1,768	20.00	35,400	Ton	163.00	5,770,000
	1989	1,565	15.65	24,500	Ton	161.00	3,945,000
Misc. Frozen Fruit (Berries, Grapes)	1990	----	----	1,171	Ton	625.00	732,000
	1989	----	----	817	Ton	499.00	408,000
PISTACHIOS	1990	3,589	0.72	2,580	Ton	2,400.00	6,192,000
	1989	3,610	0.27	975	Ton	3,800.00	3,705,000
Plums	1990	278	2.19	609	Ton	701.00	427,000
	1989	159	3.32	528	Ton	589.00	311,000
PRUNES	1990	1,835	2.94	5,390	Ton	636.00	3,428,000
	1989	1,783	2.84	5,060	Ton	867.00	4,387,000
WALNUTS (English)	1990	7,622	1.63	12,400	Ton	990.00	12,276,000
	1989	7,507	1.64	12,300	Ton	980.00	12,054,000
Miscellaneous	1990	2,915					12,047,000
	1989	2,869					15,039,000
<b>TOTAL</b>	1990	109,065					\$200,773,000
	1989	107,033					171,317,000

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

## FRUIT AND NUT ACREAGE PLANTING 1990-1985

CROPS	YEAR 1990		YEAR 1985	
	BEARING	NON-BEARING	BEARING	NON-BEARING
ALMONDS	66,342	2,400	61,654	4,595
APPLES	2,493	138	1,388	990
APRICOTS	1,657	152	1,540	247
BERRIES	96	20	38	34
CHERRIES	146	60	104	41
FIGS (Cannery)	167	----	100	----
FIGS (Dry)	3,381	3	1,420	2,354
GRAPES (Raisin)	1,915	----	3,062	9
GRAPES (Table)	216	27	103	30
GRAPES (Wine)	13,408	479	14,653	512
KIWI	38	----	43	----
MANDARINS	17	11	----	----
NECTARINES	188	32	203	34
OLIVES	60	14	96	----
ORANGES	48	----	51	10
PEACHES (Clingstone)	3,925	692	3,748	291
PEACHES (Freestone)	1,768	118	1,776	199
PEARS	7	10	15	6
PECANS	44	----	66	20
PERSIMMONS	13	----	19	----
PISTACHIOS	3,589	425	1,244	3,218
PLUMS	278	15	151	147
POMEGRANATES	2	----	----	----
PRUNES	1,835	460	1,482	240
WALNUTS (Black)	2	10	53	18
WALNUTS (English)	7,622	797	7,629	1,006
<b>TOTAL</b>	<b>109,257</b>	<b>5,863</b>	<b>100,638</b>	<b>14,001</b>

## LIVESTOCK AND POULTRY PRODUCTS 1990-1989

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
EGGS-CHICKEN (Market)	1990	41,055,000	Doz.	\$ 0.68	\$ 27,917,000
	1989	32,415,000	Doz.	0.62	20,097,000
EGGS (Hatching)	1990	10,166,000	Each	0.69	7,015,000
	1989	10,402,000	Each	0.63	6,553,000
MILK (Goat)	1990	9,810	Cwt.	25.40	249,000
	1989	7,220	Cwt.	24.50	177,000
MILK (Market)	1990	22,265,000	Cwt.	11.96	266,289,000
	1989	19,896,000	Cwt.	12.34	245,517,000
MILK (Manufacturing)	1990	1,192,000	Cwt.	11.05	13,172,000
	1989	1,176,000	Cwt.	11.60	13,642,000
WOOL	1990	458,000	Lb.	0.70	321,000
	1989	571,000	Lb.	1.54	879,000
<b>TOTAL</b>	1990				<b>\$314,963,000</b>
	1989				<b>286,865,000</b>

## BEE INDUSTRY 1990-1989

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
BEESWAX	1990	15,300	Lb.	\$ 1.10	\$ 17,000
	1989	19,000	Lb.	1.05	20,000
<sup>1</sup> BULK BEES	1990	22,800	Lb.	4.00	91,000
	1989	10,000	Lb.	4.00	40,000
<sup>2</sup> HONEY	1990	915,000	Lb.	0.450	412,000
	1989	988,000	Lb.	0.390	385,000
<sup>3</sup> POLLINATION	1990	148,000	Colony	27.10	4,022,000
	1989	145,200	Colony	25.40	3,688,000
QUEENS	1990	4,500	Each	5.00	23,000
	1989	9,000	Each	5.11	46,000
<b>TOTAL</b>	1990				<b>\$4,565,000</b>
	1989				<b>4,179,000</b>

<sup>1</sup> Includes bees sold as nuclei.

<sup>2</sup> Honey produced by 30,500 colonies in 1990 and 35,500 colonies in 1989 owned by resident beekeepers.

<sup>3</sup> Pollination colonies include all required to pollinate crops grown in Merced County.

**LIVESTOCK AND POULTRY  
PRODUCTION AND VALUE 1990-1989**

ITEM	YEAR	NUMBER OF		UNIT	VALUE	
		HEAD	LIVEWEIGHT		PER UNIT	TOTAL
CATTLE AND CALVES	1990	112,000	805,000	Cwt.	\$61.00	\$ 49,105,000
	1989	123,000	776,000	Cwt.	59.00	45,784,000
CHICKENS (Fryers and Broilers)	1990	91,908,000	434,725,000	Lb.	0.320	139,112,000
	1989	92,461,000	441,905,000	Lb.	0.365	161,295,000
CHICKENS (Other)	1990	1,795,000	6,659,000	Lb.	0.243	1,618,000
	1989	1,317,000	5,260,000	Lb.	0.246	1,294,000
GOATS	1990	957	---	Each	42.00	40,000
	1989	870	---	Each	44.00	38,000
HOGS AND PIGS	1990	40,700	90,000	Cwt.	58.40	5,256,000
	1989	59,500	119,000	Cwt.	51.80	6,164,000
<sup>1</sup> POULTRY (Miscellaneous)	1990	210,000	246,000	Lb.	2.34	576,000
	1989	215,000	252,000	Lb.	2.60	655,000
SHEEP AND LAMBS	1990	65,000	74,800	Cwt.	50.00	3,740,000
	1989	70,600	94,100	Cwt.	57.90	5,448,000
TURKEYS	1990	4,178,000	87,738,000	Lb.	0.368	32,288,000
	1989	4,375,000	89,513,000	Lb.	0.380	34,015,000
<b>TOTAL</b>	1990					<b>\$231,735,000</b>
	1989					<b>255,720,000</b>

<sup>1</sup> Chuckar, Pheasant, Poussin.

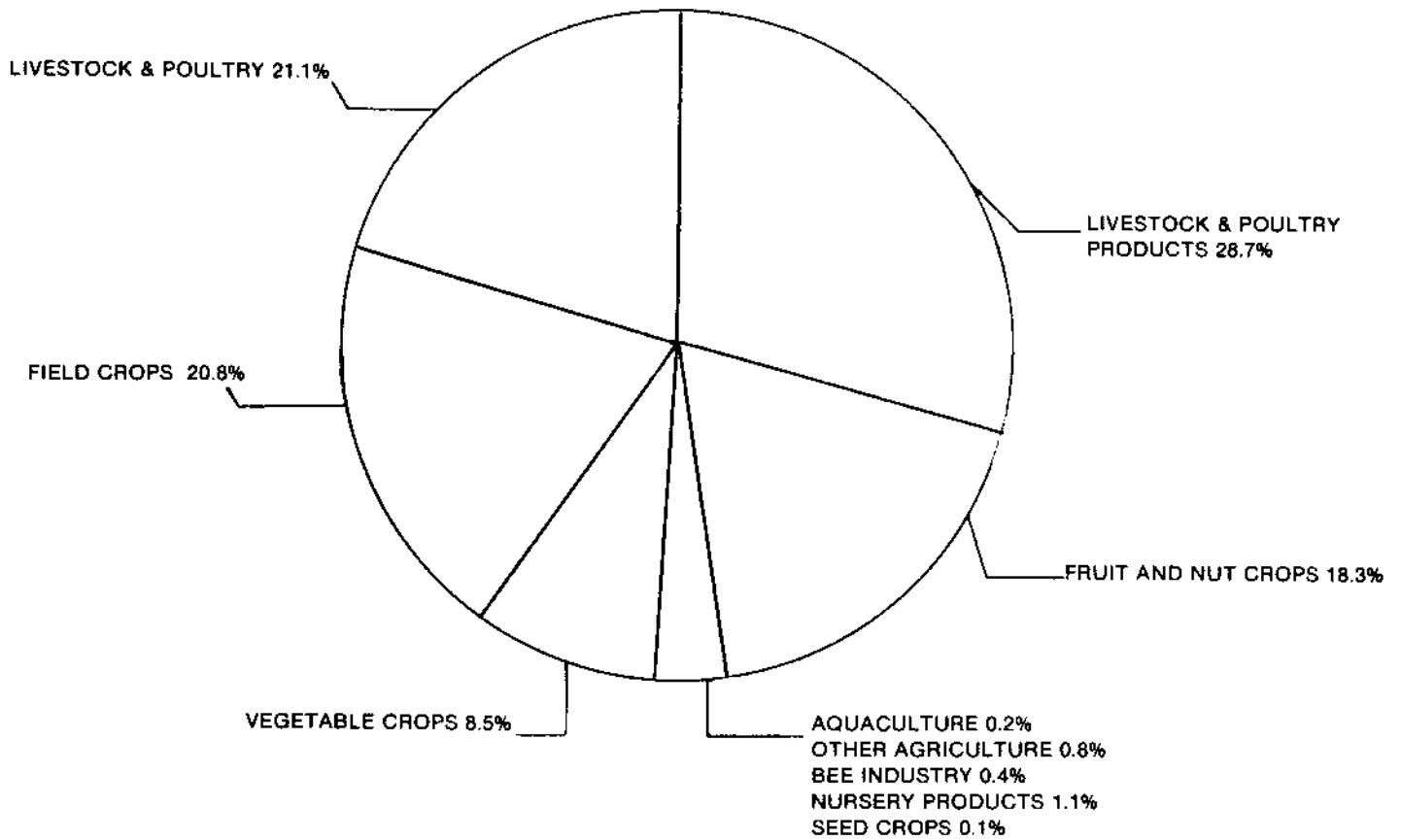
**AQUACULTURE  
PRODUCTION AND VALUE 1990-1989**

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
<sup>1</sup> FISH FOR FOOD	1990	1,266,000	Lbs.	\$ 1.43	\$ 1,810,000
	1989	738,000	Lbs.	1.78	1,314,000
<sup>2</sup> FISH (Miscellaneous)	1990	24,317,000	Each	0.041	999,000
	1989	34,284,000	Each	0.038	1,303,000
<b>TOTAL</b>	1990				<b>\$ 2,809,000</b>
	1989				<b>2,617,000</b>

<sup>1</sup> Catfish, Stripers, Trout

<sup>2</sup> Fingerlings, Goldfish

**PERCENTAGE COMPARISON CHART**



**\*GOVERNMENT PAYMENTS**

BARLEY	\$ 27,000	HONEY	\$ 440,000	SORGHUM	\$ 7,500
CORN	497,000	RICE	1,622,000	WHEAT	449,000
COTTON	3,604,000	LIVESTOCK FEED	1,613,000	WOOL	255,000

**\*\*CROPS NOT HARVESTED IN 1990**

CANTALOUPE	60 Acres	HONEYDEW	25 Acres	PECANS	10 Acres
CITRUS	47 Acres	OAT HAY	112 Acres	SAFFLOWER	36 Acres
FREEZER PEAS	250 Acres	OLIVES	23 Acres	TOMATOES, FRESH	6 Acres
				WHEAT	50 Acres

\*Amounts not included in total value of each crop for 1990 (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 1990-1965

COMMODITIES	1990	1989	1985	1980	1975	1970	1965
AQUACULTURE	\$ 2,809,000	\$ 2,617,000					
BEE INDUSTRY	4,565,000	4,179,000	3,682,000	2,923,000	1,085,000	370,000	322,700
FIELD CROPS	228,475,000	200,242,000	161,412,000	191,239,000	101,968,000	45,783,000	40,884,300
FRUIT AND NUTS	200,773,000	171,317,000	121,208,000	152,584,000	55,799,000	29,752,000	18,054,600
LIVESTOCK & POULTRY	231,735,000	255,720,000	193,934,000	191,226,000	42,381,000	56,362,000	34,600,000
LIVESTOCK & POULTRY PRODUCTS	314,963,000	286,865,000	247,574,000	171,548,000	103,548,000	40,672,000	26,444,800
NURSERY PRODUCTS	12,036,000	11,905,000	7,239,000	15,734,000	5,023,000	2,382,000	2,684,000
OTHER AGRICULTURE	8,639,000	9,883,000					
SEED CROPS	1,465,000	2,211,000	2,876,000	3,012,000	2,972,000	469,300	1,533,500
VEGETABLE CROPS	93,625,000	108,169,000	74,493,000	65,831,000	47,704,000	16,707,700	14,184,900
<b>TOTAL</b>	<b>\$1,089,085,000</b>	<b>\$1,053,108,000</b>	<b>\$812,418,000</b>	<b>\$ 794,097,000</b>	<b>\$404,956,000</b>	<b>\$191,860,300</b>	<b>\$138,708,800</b>

TWELVE LEADING FARM COMMODITIES 1990

MILK	\$ 279,461,000 (1)	TOMATOES	\$ 41,614,000 (6)
CHICKENS	140,790,000 (2)	TURKEYS	32,288,000 (9)
ALMONDS	102,780,000 (3)	EGGS	27,917,000 (12)
COTTON	69,420,000 (4)	GRAPES, WINE	23,734,000 (10)
ALFALFA	62,225,000 (5)	SWEET POTATOES	21,949,000 (8)
CATTLE	49,105,000 (7)	PEACHES	19,202,000 (14)

NUMBER TO RIGHT OF LISTING DENOTES 1989 RANKING

# MERCED COUNTY SUSTAINABLE AGRICULTURE

1990

## BIOLOGICAL CONTROL

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

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

## PEST ERADICATION

PEST	METHOD	SCOPE OF PROGRAM
<b>BANANA WATER LILY</b> <u>Nymphaea mexicana</u>	Herbicide Spray	20 Acres
<b>WHITEHORSE NETTLE</b> <u>Solanum elaeagnifolium</u>	Herbicide Spray	4 Acres
<b>PURPLE MUSTARD</b> <u>Chorlipoora tenella</u>	Herbicide Spray	1 Acre



**MERCED COUNTY SUSTAINABLE AGRICULTURE  
1990**

**PEST EXCLUSION**

<b>PEST INTERCEPTED</b>	<b>SOURCE</b>	<b>SCOPE OF PROGRAM</b>
Kaffir Lime Leaves	Citrus/Asian Markets	6 Rejections/Destroyed
Varroa Mite	Bee Hives	9 Rejections/Quarantined
Apple Maggot	Apples/UPS	1 Rejection/Released
Noxious Weed Seed	Oat Seed Screenings/Rail Cars	1 Rejection/Sampled/Released
Cereal Leaf Beetle	Mini Straw Bales/Grocery Store	1 Rejection/Return/Shipper
Witchweed	Mini Straw Bales/Grocery Store	1 Rejection/Return/Shipper
European Corn Borer	Hollyhocks/UPS	8 Rejections/Destroyed
Baby's Breath	UPS	4 Rejections/Destroyed
Burrowing Nematode	Misc. Plants/UPS	6 Rejections/Destroyed
Cedar-Apple Rust	Crabapple/UPS	1 Rejection/Destroyed
Japanese Beetle	Lavender/UPS	1 Rejection/Destroyed
Black Stem Rust	Barberry/UPS	1 Rejection/Destroyed
Ozonium Root Rot	Gooseberry/UPS	1 Rejection/Destroyed
Q-Rated Scale	Cut Greens/UPS	1 Rejection/Destroyed

**ORGANIC FARMING**

**1990 CROPS**

**ORGANIC (CERTIFIED)**

<b>CROP</b>	<b>NO. FARMS</b>	<b>ACRES</b>
Sweet Potato	3	323

**ORGANIC (NON-CERTIFIED)\***

<b>CROP</b>	<b>NO. FARMS</b>	<b>ACRES</b>
Sweet Potato	4	670
Raisin (Grape)	1	45
Cantaloupes	1	12
Almonds	1	18

\*Non-Certified - Other certification program not recognized by California Law.

# **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
<sup>1</sup> 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
<sup>2</sup> 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
<b>TOTAL</b>	1991	952,523						\$195,816,000
	1990	947,630						228,475,000

<sup>1</sup>Includes Alfalfa, Barley, Earlage, Oats, Rye, Sorghum, Sudan, Wheat and Winter Forage.

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

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

	YEAR	ACREAGE	TOTAL
<b>TOTAL</b>	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
<sup>1</sup> FUEL (Cogeneration)	1991	84,900	Tons	22.60	1,919,000
	1990	82,700	Tons	18.50	1,530,000
<sup>2</sup> MANURE	1991	1,171,000	Tons	4.63	5,422,000
	1990	1,253,000	Tons	4.68	5,864,000
<b>TOTAL</b>	1991				\$10,048,000
	1990				8,639,000

<sup>1</sup>Almond Shells, Cotton Stalks, Gin Trash, Orchard Prunings.

<sup>2</sup>Livestock, 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
<sup>1</sup> SEED CROPS (Miscellaneous)	1991	896	----	----	Lb.	----	\$397,000
	1990	718	----	----	Lb.	----	298,000
<b>TOTAL</b>	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
<sup>2</sup> SEED CROPS (Miscellaneous)	1991	3,409					1,105,000
	1990	2,760					856,000
<b>TOTAL</b>	1991	3,659					\$1,282,000
	1990	3,145					1,167,000

**ALL SEED CROPS**

<b>TOTAL</b>	1991	4,555					\$1,679,000
	1990	3,863					1,465,000

<sup>1</sup>Includes certified seed from Alfalfa, Beans, Oats, Rye and Wheat.

<sup>2</sup>Includes 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
<sup>1</sup> 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
<sup>2</sup> VEGETABLES	1991	3,355					5,963,000
(Miscellaneous)	1990	3,410					5,652,000
<b>TOTAL</b>	1991	42,565					\$107,947,000
	1990	42,700					93,625,000

<sup>1</sup>From Market Acreage and Processing Varieties.

<sup>2</sup>Includes 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	
<b>TOTAL</b>	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
<b>TOTAL</b>	<b>104,476</b>	<b>10,110</b>	<b>107,464</b>	<b>6,659</b>

## 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
<b>TOTAL</b>	1991				<b>\$307,960,000</b>
	1990				<b>314,963,000</b>

## 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
<sup>1</sup> BULK BEES	1991	18,000	Lb.	4.50	81,000
	1990	22,800	Lb.	4.00	91,000
<sup>2</sup> HONEY	1991	1,013,000	Lb.	0.503	510,000
	1990	915,000	Lb.	0.450	412,000
<sup>3</sup> 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
<b>TOTAL</b>	1991				<b>\$4,672,000</b>
	1990				<b>4,565,000</b>

<sup>1</sup>Includes bees sold as nuclei.

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

<sup>3</sup>Pollination 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
<sup>1</sup> 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
<b>TOTAL</b>	1991					\$213,823,000
	1990					231,735,000

<sup>1</sup>Chuckar, Pheasant, Squab.

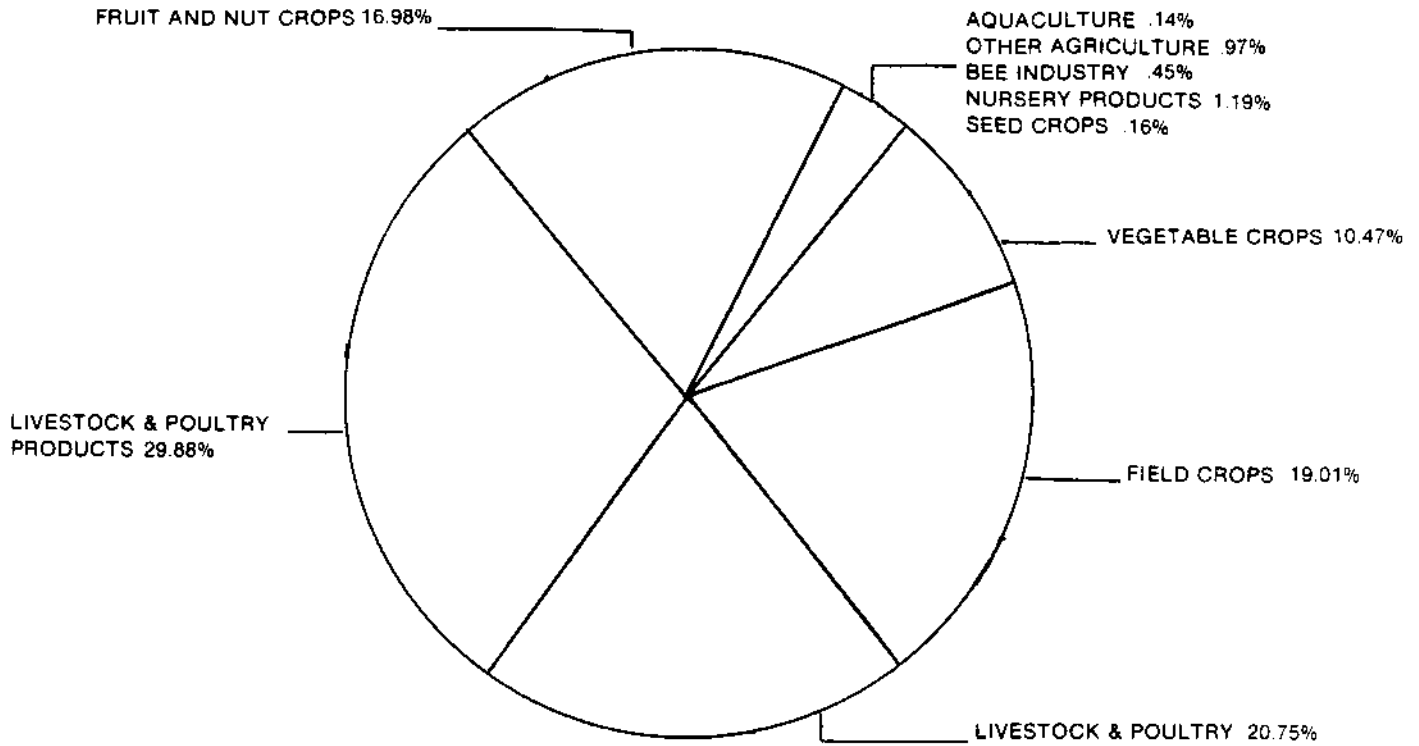
**AQUACULTURE  
PRODUCTION AND VALUE 1991-1990**

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

<sup>1</sup>Catfish, Trout

<sup>2</sup>Feeder 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
<b>TOTAL</b>	<b>\$1,030,676,000</b>	<b>\$1,099,085,000</b>	<b>\$612,418,000</b>	<b>\$ 794,097,000</b>	<b>\$404,956,000</b>	<b>\$191,860,300</b>	<b>\$138,708,800</b>

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

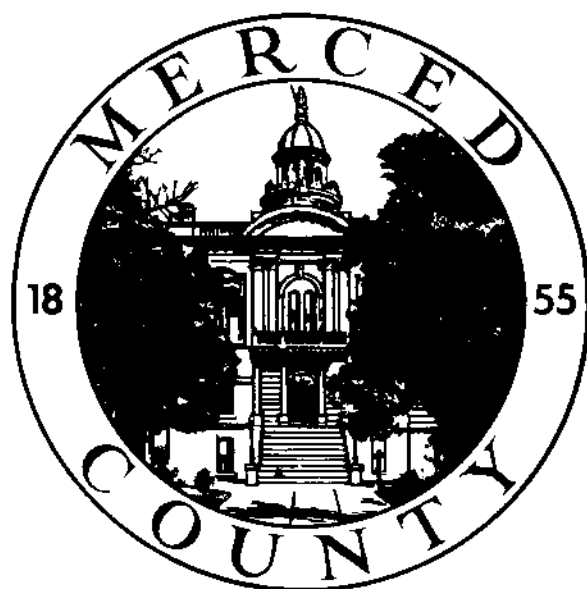
#### 1991 CROPS

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.



# **ANNUAL REPORT OF AGRICULTURE**



## **1992**

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

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

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## FIELD CROPS ACREAGE, PRODUCTION AND VALUE 1992-1991

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BARLEY	1992	5,390	1.84	9,900	Ton	\$110.00	\$ 1,089,000
	1991	3,770	1.78	6,710	Ton	\$110.00	\$ 738,000
BEANS (Dry Lima)	1992	3,970	1.29	5,120	Ton	\$472.00	\$ 2,417,000
	1991	4,530	1.33	6,020	Ton	\$583.00	\$ 3,510,000
BEANS (Dry Other)	1992	3,610	1.11	4,010	Ton	\$500.00	\$ 2,005,000
	1991	2,950	1.15	3,390	Ton	\$500.00	\$ 1,695,000
CORN (Grain)	1992	6,620	4.42	29,300	Ton	\$130.00	\$ 3,809,000
	1991	6,050	4.14	25,000	Ton	\$136.00	\$ 3,400,000
COTTON (Lint)	1992	76,500	1,394 Lbs.	213,000	500 Lb. Bale	\$340.00	\$72,420,000
	1991	77,200	1,192 Lbs.	184,000	500 Lb. Bale	\$345.00	\$63,480,000
COTTON (Seed)	1992	----	----	80,000	Ton	\$140.00	\$11,200,000
	1991	----	----	69,000	Ton	\$128.00	\$ 8,832,000
HAY (Alfalfa)	1992	69,300	6.92	480,000	Ton	\$ 88.00	\$42,240,000
	1991	74,500	6.96	519,000	Ton	\$ 84.00	\$43,600,000
HAY (Alfalfa-Cube)	1992	5,140	6.60	33,900	Ton	\$110.00	\$ 3,729,000
	1991	6,600	6.40	42,000	Ton	\$105.00	\$ 4,410,000
HAY (Grain)	1992	25,100	3.17	79,600	Ton	\$ 49.10	\$ 3,908,000
	1991	27,400	3.12	85,500	Ton	\$ 69.80	\$ 5,968,000
HAY (Sudan)	1992	780	4.00	3,120	Ton	\$ 45.00	\$ 140,000
	1991	1,280	3.40	4,350	Ton	\$ 55.30	\$ 241,000
OATS (Grain)	1992	3,520	1.36	4,800	Ton	\$125.00	\$ 600,000
	1991	2,450	1.62	4,000	Ton	\$180.00	\$ 720,000
PASTURE (Irrigated)	1992	80,000	----	----	Acre	\$120.00	\$ 9,600,000
	1991	80,000	----	----	Acre	\$120.00	\$ 9,600,000
PASTURE (Other)	1992	555,000	----	----	Acre	\$ 15.00	\$ 8,325,000
	1991	555,000	----	----	Acre	\$ 15.00	\$ 8,325,000
RICE	1992	2,516	3.86	9,700	Ton	\$171.00	\$ 1,659,000
	1991	1,900	3.63	6,900	Ton	\$151.00	\$ 1,042,000
SAFFLOWER	1992	3,280	.91	3,000	Ton	\$278.00	\$ 834,000
	1991	603	.93	560	Ton	\$245.00	\$ 137,000
SILAGE (Corn)	1992	44,800	23.89	1,070,000	Ton	\$ 16.54	\$17,698,000
	1991	46,000	23.34	1,074,000	Ton	\$ 17.80	\$19,117,000
SILAGE * (Other)	1992	47,500	12.28	583,000	Ton	\$ 14.34	\$ 8,360,000
	1991	45,700	11.33	518,000	Ton	\$ 19.84	\$10,277,000
SORGHUM (Grain)	1992	170	2.53	430	Ton	\$106.00	\$ 46,000
	1991	90	1.58	142	Ton	\$ 96.00	\$ 14,000
STRAW	1992	----	----	1,900	Ton	\$ 28.00	\$ 53,000
	1991	----	----	1,400	Ton	\$ 35.00	\$ 49,000
STUBBLE ** (Pasture)	1992	9,800	----	----	Acre	\$ 10.00	\$ 98,000
	1991	8,000	----	----	Acre	\$ 10.00	\$ 80,000
SUGAR BEETS	1992	6,600	27.84	184,000	Ton	\$ 39.31	\$ 7,233,000
	1991	7,900	27.34	216,000	Ton	\$ 38.20	\$ 8,251,000
WHEAT	1992	11,410	2.48	28,300	Ton	\$114.00	\$ 3,226,000
	1991	8,600	2.71	23,300	Ton	\$100.00	\$ 2,330,000
<b>TOTAL</b>	1992	951,206					\$200,689,000
	1991	952,523					\$195,816,000

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

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

**NURSERY PRODUCTS  
PRODUCTION ACREAGE, SALES AND VALUE 1992-1991**

	YEAR	ACREAGE	TOTAL
<b>TOTAL</b>	1992	1,195	\$ 11,212,000
	1991	1,033	\$ 12,288,000

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 1992-1991**

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
FIREWOOD	1992	20,000	Cords	\$80.00	\$ 1,600,000
	1991	34,700	Cords	\$78.00	\$ 2,707,000
FUEL * (Cogeneration)	1992	99,400	Tons	\$23.19	\$ 2,305,000
	1991	84,900	Tons	\$22.60	\$ 1,919,000
MANURE **	1992	1,028,000	Tons	\$ 4.86	\$ 4,996,000
	1991	1,171,000	Tons	\$ 4.63	\$ 5,422,000
<b>TOTAL</b>	1992				\$ 8,901,000
	1991				\$10,048,000

\* Almond Shells, Cotton Stalks, Gin Trash, Orchard Prunings, Orchard Removal (Recorded in Wet Tons).  
\*\* Livestock, Poultry.

# SEED CROPS ACREAGE, PRODUCTION AND VALUE 1992-1991

## CERTIFIED SEED CROPS

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
SEED CROPS *	1992	679	---	---	---	---	\$ 331,000
(Miscellaneous)	1991	896	---	---	---	---	\$ 397,000
<b>TOTAL</b>	1992	679					\$ 331,000
	1991	896					\$ 397,000

## NON-CERTIFIED SEED CROPS

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS	1992	250	2,240	560,000	Lb.	\$ 0.368	\$ 206,000
	1991	250	2,250	563,000	Lb.	\$ 0.315	\$ 177,000
SEED CROPS **	1992	3,960	---	---	---	---	\$ 1,189,000
(Miscellaneous)	1991	3,409	---	---	---	---	\$ 1,105,000
<b>TOTAL</b>	1992	4,210					\$ 1,395,000
	1991	3,659					\$ 1,282,000

## ALL SEED CROPS

	YEAR	ACREAGE HARVESTED	TOTAL
<b>TOTAL</b>	1992	4,889	\$ 1,726,000
	1991	4,555	\$ 1,679,000

\* Includes certified seed from Oats, Rice and Wheat.

\*\* Includes common seed from Cabbage, Carrot, Cucumber, Lettuce, Melons, Oats, Onions, Pepper, Rye, Wheat, Tomato, Broccoli, Squash, Cauliflower, Corn and Garlic.

**VEGETABLE CROPS  
ACREAGE, PRODUCTION AND VALUE 1992-1991**

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS, LIMA (Freezer)	1992 1991	1,475 713	1.70 1.91	2,500 1,360	Ton Ton	\$406.00 \$440.00	\$ 1,015,000 \$ 598,000
MELONS (Cantaloupe)	1992 1991	9,420 9,800	358 326	3,372,000 3,195,000	40 Lb. Ctns. 40 Lb. Ctns.	\$ 5.08 \$ 3.55	\$17,130,000 \$11,342,000
MELONS (Watermelon)	1992 1991	1,080 1,685	16.17 17.30	17,500 29,150	Ton Ton	\$ 80.00 \$ 83.00	\$ 1,400,000 \$ 2,419,000
MELONS (Other)	1992 1991	1,510 1,792	10.10 11.36	15,300 20,360	Ton Ton	\$151.00 \$136.00	\$ 2,310,000 \$ 2,769,000
PEAS (Freezer)	1992 1991	990 1,165	1.23 1.91	1,200 2,230	Ton Ton	\$270.00 \$300.00	\$ 324,000 \$ 669,000
PEPPERS, BELL (Market)	1992 1991	715 655	16.93 11.56	12,100 7,570	Ton Ton	\$367.00 \$358.00	\$ 4,441,000 \$ 2,710,000
PEPPERS * (Processing)	1992 1991	---- ----	---- ----	869 450	Ton Ton	\$209.00 \$183.00	\$ 182,000 \$ 82,000
SWEET POTATOES	1992 1991	6,745 5,900	10.45 9.66	70,500 57,000	Ton Ton	\$420.00 \$603.00	\$29,610,000 \$34,371,000
TOMATOES (Market)	1992 1991	6,630 7,300	911 972	6,040,000 7,096,000	25 Lb. Ctns. 25 Lb. Ctns.	\$ 5.37 \$ 4.21	\$32,435,000 \$29,874,000
TOMATOES (Processing)	1992 1991	9,600 10,200	34.75 31.10	334,000 317,000	Ton Ton	\$ 46.75 \$ 54.10	\$15,615,000 \$17,150,000
VEGETABLES ** (Miscellaneous)	1992 1991	3,914 3,355	---- ----	---- ----	---- ----	---- ----	\$ 6,909,000 \$ 5,963,000
<b>TOTAL</b>	1992 1991	42,079 42,565					\$111,371,000 \$107,947,000

\* From Market Acreage and Processing Varieties.

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

## FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE 1992-1991

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
ALMONDS	1992	61,950	.68	42,100	Ton	\$2,538.00	\$106,850,000
(Kernel Basis)	1991	62,745	.59	37,000	Ton	\$2,250.00	\$ 83,250,000
ALMONDS	1992	----	----	84,200	Ton	\$ 51.10	\$ 4,303,000
(Hulls)	1991	----	----	74,000	Ton	\$ 53.10	\$ 3,929,000
APRICOTS	1992	1,579	5.25	8,300	Ton	\$ 313.00	\$ 2,598,000
	1991	1,684	5.64	9,500	Ton	\$ 418.00	\$ 3,971,000
FIGS	1992	3,315	1.25	4,140	Ton	\$1,746.00	\$ 7,228,000
(Dry)	1991	3,184	1.11	3,530	Ton	\$1,430.00	\$ 5,048,000
GRAPES	1992	882	2.11	1,860	Ton	\$ 999.00	\$ 1,858,000
(Raisin)	1991	1,260	1.38	1,740	Ton	\$ 983.00	\$ 1,710,000
GRAPES (Raisin	1992	654	10.48	6,850	Ton	\$ 175.00	\$ 1,199,000
to Wine)	1991	218	6.37	1,389	Ton	\$ 132.00	\$ 183,000
GRAPES	1992	11,331	9.56	108,000	Ton	\$ 241.00	\$ 26,028,000
(Wine)	1991	13,108	8.14	107,000	Ton	\$ 218.00	\$ 23,326,000
KIWI	1992	37	7.60	281	Ton	\$1,286.00	\$ 361,000
	1991	37	4.97	184	Ton	\$1,860.00	\$ 342,000
NECTARINES	1992	164	10.98	1,800	Ton	\$ 655.00	\$ 1,179,000
	1991	209	8.44	1,760	Ton	\$ 620.00	\$ 1,091,000
OLIVES	1992	66	3.03	200	Ton	\$ 632.00	\$ 126,000
	1991	23	3.52	81	Ton	\$ 593.00	\$ 48,000
PEACHES	1992	3,469	17.16	59,500	Ton	\$ 220.00	\$ 13,090,000
(Clingstone)	1991	3,202	16.46	52,700	Ton	\$ 224.00	\$ 11,805,000
PEACHES	1992	1,580	17.96	28,400	Ton	\$ 217.00	\$ 6,163,000
(Freestone)	1991	1,630	19.92	32,500	Ton	\$ 181.00	\$ 5,883,000
PISTACHIOS	1992	3,632	1.07	3,890	Ton	\$2,394.00	\$ 9,313,000
	1991	4,244	0.29	1,230	Ton	\$3,250.00	\$ 3,998,000
PLUMS	1992	205	3.19	654	Ton	\$ 334.00	\$ 218,000
	1991	198	3.12	618	Ton	\$ 355.00	\$ 219,000
PRUNES	1992	2,068	1.43	2,960	Ton	\$ 998.00	\$ 2,954,000
	1991	1,897	1.63	3,090	Ton	\$ 922.00	\$ 2,849,000
WALNUTS	1992	6,806	1.32	8,980	Ton	\$1,340.00	\$ 12,033,000
(English)	1991	7,249	1.68	12,200	Ton	\$1,050.00	\$ 12,810,000
MISCELLANEOUS	1992	----	----	3,540	Ton	\$ 594.00	\$ 2,103,000
FROZEN FRUIT	1991	----	----	3,810	Ton	\$ 599.00	\$ 2,282,000
(Berries, Grapes)							
MISCELLANEOUS *	1992	3,936	----	----	---	----	\$ 11,663,000
	1991	3,525	----	----	---	----	\$ 11,974,000
<b>TOTAL</b>	1992	101,674					\$209,267,000
	1991	104,588					\$174,984,000

\* Includes Apples, Fresh Berries, Black Walnuts, Cherries, Citrus, Pecans, Pears, Persimmons, Table Grapes, and Cannery Figs.

## FRUIT AND NUT ACREAGE PLANTING 1992-1987

CROPS	YEAR 1992		YEAR 1987	
	BEARING	NON-BEARING	BEARING	NON-BEARING
ALMONDS	61,951	5,893	64,532	2,317
APPLES	2,640	146	1,812	683
APRICOTS	1,579	103	1,485	200
BERRIES	95	40	31	74
CHERRIES	152	39	138	15
FIGS	3,315	---	3,918	3
GRAPES (Raisin)	1,655	---	2,484	24
GRAPES (Table)	243	6	115	39
GRAPES (Wine)	11,331	294	13,907	430
KIWI	37	---	41	---
MANDARINS	19	11	---	---
NECTARINES	164	37	221	8
OLIVES	66	---	96	---
ORANGES	48	---	51	6
PEACHES (Clingstone)	3,469	540	3,647	462
PEACHES (Freestone)	1,580	373	1,691	251
PEARS	13	8	15	12
PECANS	37	10	86	---
PERSIMMONS	13	---	13	---
PISTACHIOS	4,244	77	3,683	654
PLUMS	205	21	273	29
POMEGRANATES	2	---	---	---
PRUNES	2,068	243	1,636	99
WALNUTS (Black)	2	---	42	18
WALNUTS (English)	6,806	659	7,870	697
<b>TOTAL</b>	<b>101,742</b>	<b>8,500</b>	<b>107,787</b>	<b>6,021</b>



## LIVESTOCK AND POULTRY PRODUCTS 1992-1991

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
EGGS, CHICKEN (Market)	1992	38,342,000	Doz.	\$ 0.48	\$ 18,404,000
	1991	39,347,000	Doz.	\$ 0.68	\$ 26,756,000
EGGS (Hatching)	1992	6,840,000	Each	\$ 0.66	\$ 4,514,000
	1991	7,920,000	Each	\$ 0.69	\$ 5,465,000
MILK (Goat)	1992	14,100	Cwt.	\$25.37	\$ 358,000
	1991	6,480	Cwt.	\$25.38	\$ 164,000
MILK (Market)	1992	24,179,000	Cwt.	\$11.61	\$280,718,000
	1991	23,497,000	Cwt.	\$11.16	\$262,223,000
MILK (Manufacturing)	1992	1,284,000	Cwt.	\$10.94	\$ 14,047,000
	1991	1,259,000	Cwt.	\$10.41	\$ 13,104,000
WOOL	1992	420,000	Lb.	\$ 0.75	\$ 315,000
	1991	394,000	Lb.	\$ 0.63	\$ 248,000
<b>TOTAL</b>	1992				\$318,356,000
	1991				\$307,960,000

## BEE INDUSTRY 1992-1991

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
BEESWAX	1992	17,900	Lb.	\$ 1.23	\$ 22,000
	1991	17,600	Lb.	\$ 1.05	\$ 18,000
BULK BEES *	1992	7,500	Lb.	\$ 4.00	\$ 30,000
	1991	18,000	Lb.	\$ 4.50	\$ 81,000
HONEY **	1992	1,189,000	Lb.	\$0.514	\$ 611,000
	1991	1,013,000	Lb.	\$0.503	\$ 510,000
POLLINATION ***	1992	139,000	Colony	\$28.44	\$3,953,000
	1991	141,000	Colony	\$28.60	\$4,033,000
QUEENS	1992	2,500	Each	\$ 6.00	\$ 15,000
	1991	5,800	Each	\$ 5.25	\$ 30,000
<b>TOTAL</b>	1992				\$4,631,000
	1991				\$4,672,000

\* Includes bees sold as nuclei.

\*\* Honey produced by 35,700 colonies in 1992 and 35,100 colonies in 1991 owned by resident beekeepers.

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

## LIVESTOCK AND POULTRY PRODUCTION AND VALUE 1992-1991

ITEM	YEAR	NUMBER OF HEAD	LIVEWEIGHT	UNIT	VALUE	
					PER UNIT	TOTAL
CATTLE AND CALVES	1992	114,500	827,000	Cwt.	\$59.00	\$ 48,793,000
	1991	115,000	826,000	Cwt.	\$62.00	\$ 51,212,000
CHICKENS (Fryers and Broilers)	1992	74,515,000	371,830,000	Lb.	\$0.293	\$110,305,000
	1991	90,183,000	415,744,000	Lb.	\$0.290	\$120,566,000
CHICKENS (Other)	1992	1,032,000	4,407,000	Lb.	\$0.164	\$ 723,000
	1991	1,198,000	4,385,000	Lb.	\$0.223	\$ 978,000
GOATS	1992	1,200	----	Each	\$62.00	\$ 74,000
	1991	1,053	----	Each	\$56.00	\$ 59,000
HOGS AND PIGS	1992	45,900	101,200	Cwt.	\$56.60	\$ 5,728,000
	1991	39,900	88,000	Cwt.	\$61.24	\$ 5,389,000
POULTRY * (Miscellaneous)	1992	75,000	150,000	Lb.	\$ 2.96	\$ 444,000
	1991	76,000	151,000	Lb.	\$ 3.03	\$ 457,000
SHEEP AND LAMBS	1992	58,700	69,000	Cwt.	\$63.00	\$ 4,347,000
	1991	61,800	72,300	Cwt.	\$55.00	\$ 3,977,000
TURKEYS	1992	4,129,000	82,456,000	Lb.	\$0.375	\$ 30,921,000
	1991	4,065,000	84,511,000	Lb.	\$0.369	\$ 31,185,000
<b>TOTAL</b>	1992					\$201,835,000
	1991					\$213,823,000

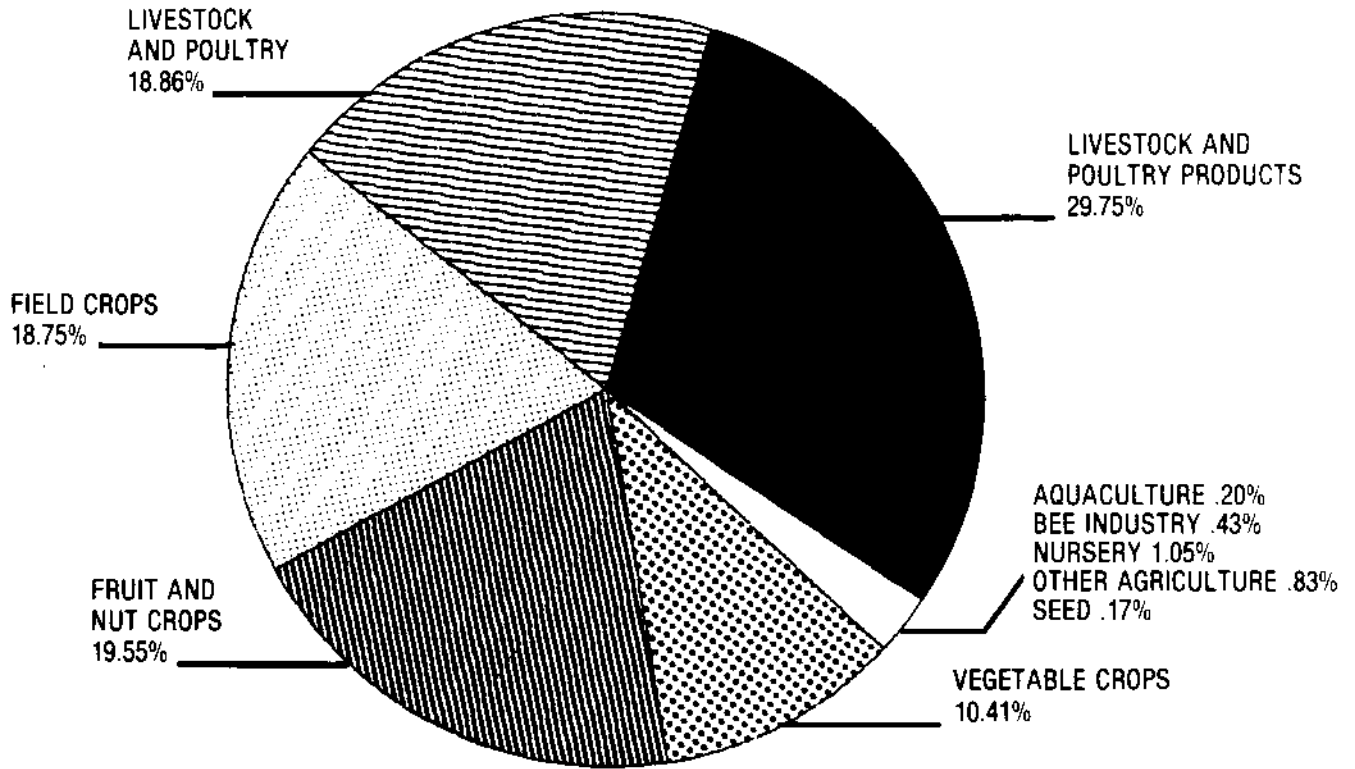
\* Chuckar, Pheasant, Squab.

## AQUACULTURE PRODUCTION AND VALUE 1992-1991

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
FISH *	1992	860,000	Lb.	\$ 2.55	\$ 2,193,000
	1991	621,000	Lb.	\$ 1.85	\$ 1,149,000
<b>TOTAL</b>	1992				\$ 2,193,000
	1991				\$ 1,149,000

\* Catfish, Trout, Bass.

## PERCENTAGE COMPARISON CHART



### GOVERNMENT PAYMENTS\*

BARLEY .....	\$ 91,000	HONEY .....	\$ 43,000	SORGHUM .....	\$ 10,000
CORN .....	\$ 513,000	OATS .....	\$ 4,000	WHEAT .....	\$ 744,000
COTTON .....	\$ 8,166,000	RICE .....	\$ 1,256,000	WOOL .....	\$ 758,000

### CROPS NOT HARVESTED IN 1992\*\*

ALMONDS .....	19 Acres	NURSERY STOCK .....	30 Acres	PRUNES .....	80 Acres
BELL PEPPERS .....	30 Acres	OATS .....	150 Acres	RADICCHIO .....	20 Acres
CANTALOUPE .....	125 Acres	ONIONS .....	50 Acres	RAISINS .....	119 Acres
LETTUCE .....	152 Acres	PISTACHIOS .....	612 Acres	WALNUTS .....	5 Acres

\* Amounts not included in total value of each crop for 1992. (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 1992-1967

COMMODITIES	1992	1991	1987	1982	1977	1972	1967
AQUACULTURE	\$ 2,193,000	\$ 1,459,000	\$ ---	\$ ---	\$ ---	\$ ---	\$ ---
WEE. INDUSTRY	\$ 4,631,000	\$ 4,672,000	\$ 3,385,000	\$ 3,616,000	\$ 1,600,000	\$ 632,600	\$ 318,000
FIELD CROPS	\$ 200,689,000	\$ 195,816,000	\$ 174,576,000	\$ 171,140,000	\$ 111,041,500	\$ 61,909,200	\$ 40,200,600
FRUIT AND NUTS	\$ 209,267,000	\$ 174,984,000	\$ 209,000,000	\$ 109,865,000	\$ 100,481,500	\$ 40,578,170	\$ 20,587,300
LIVESTOCK AND POULTRY	\$ 201,835,000	\$ 213,823,000	\$ 206,816,000	\$ 170,649,000	\$ 119,294,800	\$ 57,198,600	\$ 39,040,110
LIVESTOCK AND POULTRY PRODUCTS	\$ 318,356,000	\$ 307,960,000	\$ 256,988,000	\$ 208,651,000	\$ 104,095,500	\$ 55,281,400	\$ 32,035,700
NURSERY PRODUCTS	\$ 11,212,000	\$ 12,288,000	\$ 8,244,000	\$ 9,214,000	\$ 6,430,000	\$ 3,427,800	\$ 1,794,000
OTHER AGRICULTURE	\$ 8,901,000	\$ 10,048,000	\$ ---	\$ ---	\$ ---	\$ ---	\$ ---
SEED CROPS	\$ 1,726,000	\$ 1,679,000	\$ 1,985,000	\$ 2,015,000	\$ 3,683,000	\$ 1,232,000	\$ 1,201,800
VEGETABLE CROPS	\$ 111,371,000	\$ 107,947,000	\$ 81,488,000	\$ 67,880,000	\$ 60,742,800	\$ 24,370,000	\$ 18,118,340
<b>TOTAL</b>	<b>\$1,070,181,000</b>	<b>\$1,030,676,000</b>	<b>\$ 942,482,000</b>	<b>\$ 743,030,000</b>	<b>\$ 507,369,100</b>	<b>\$ 244,629,770</b>	<b>\$ 153,295,850</b>

## TWELVE LEADING FARM COMMODITIES 1992

1. MILK	\$294,765,000 (1)	7. ALFALFA	\$ 45,969,000 (6)
2. CHICKENS	\$111,528,000 (2)	8. TURKEYS	\$ 30,921,000 (9)
3. ALMONDS	\$106,850,000 (3)	9. SWEET POTATOES	\$ 29,610,000 (8)
4. COTTON	\$ 72,420,000 (4)	10. GRAPES, WINE	\$ 27,227,000 (11)
5. CATTLE	\$ 48,793,000 (5)	11. PEACHES	\$ 19,253,000 (13)
6. TOMATOES	\$ 48,050,000 (7)	12. EGGS	\$ 18,404,000 (10)

(Number in parenthesis denotes 1991 ranking)

# MERCED COUNTY SUSTAINABLE AGRICULTURE 1992 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 larenvii</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 parthenida</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
KLAMATH WEED <u>Hypericum perforatum</u>	<u>Chrysolina quadrigemina</u> (Leaf Feeding Beetle)	Two Sites

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

## MERCED COUNTY SUSTAINABLE AGRICULTURE 1992 PEST EXCLUSION

PEST INTERCEPTED	SOURCE	SCOPE OF PROGRAM
Ozonium Root Rot	Miscellaneous Plants/UPS	13 Rejections/Destroyed
Apple Maggot	Apples/Oregon/UPS	1 Rejection/Destroyed
Gypsy Moth	Household Goods	1 Rejection/Pest Removed
Japanese Beetle	Soil/UPS	1 Rejection/Destroyed
Foreign Soil	Paku-Paku Wreath/Philippines	3 Rejections/Destroyed
Soybean Cyst	Miscellaneous Plants/UPS, Truck	5 Rejections/Destroyed
Pine Shoot Beetle	Scotch Pine/UPS	1 Rejection/Destroyed
Carob Moth	Dates/UPS	1 Rejection/Destroyed
European Corn Borer	Dahlias/UPS	1 Rejection/Destroyed
Caribbean Fruit Fly	Mango/UPS	2 Rejections/Destroyed
Citrus Canker	Kaffir Limes/Asian Market Makeng Peppers	6 Rejections/Destroyed
Burrowing Nematode	Stephanotis/UPS	1 Rejection/Destroyed
Chinese Wax Scale	Citrus/Nursery	3 Rejections/Treated
Soybean Cyst Nematode	Cherry Tree/UPS	1 Rejection/Destroyed
Gypsophyllia Panicuttata	Flower Seeds/UPS	2 Rejections/Destroyed

## ORGANIC FARMING 1992 CROPS

CROP	NUMBER 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.



## 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:

MICHAEL BOGNA, CHAIRMAN  
GLORIA CORTEZ KEENE  
ANN KLINGER

DEAN PETERSON  
JERRY O'BANION

It is with pleasure that I submit the 1992 Agricultural Crop Report as required by the California Food and Agriculture Code, Section 2279, and the Sustainable Agriculture Report required by Section 2272.

I am pleased to report that Merced County gross agriculture production value has surpassed one billion dollars for the fourth straight year at \$1,070,181,000. This is 3.83% higher, \$39,505,000, than last year, but still below the all-time high for the County. The agricultural industry continued to face some adverse and challenging times in 1992. The sixth consecutive year of drought and shortage of water was only slightly tempered by the "fabulous February" rains. The increasing costs of production, processing and marketing inputs, along with the depressed California and worldwide economy, all contributed to keeping the gain down. However, the producers continue to forge ahead and strive to meet the many challenges as can be seen by the production figures in this report.

Almonds more than reversed last year's loss, showing the greatest gain in value of all commodities, up \$23,600,000 to \$106,850,000, thus maintaining its third place ranking. Yield was up 180 pounds per acre and price was up 12.8%. Milk, the County's number one agricultural commodity, accounting for 27.5% of the total gross agriculture value, was up \$19,438,000 as a result of increased production and 4% increase in price.

Cotton, with the highest production per acre on record for the County at 1,394 pounds of lint, was valued at \$72,420,000, up \$8,940,000. Cantaloupes jumped \$5,788,000 reaching \$17,130,000 as production and price rose significantly. Pistachios, rebounding from their down year, increased in value by \$5,315,000. Increased value of significance was also realized in wine grapes, market tomatoes, cotton seed, dried figs and bell peppers.

For the second year in a row, chicken fryers and broilers, the County's number two commodity, plunged in value to \$111,528,000, losing \$10,016,000 as 15,834,000 fewer birds were produced. Chicken eggs fell by \$8,352,000 to \$18,404,000 as price was down 20 cents per dozen and production down slightly.

Sweet potatoes, after showing the greatest gain in value of all commodities in 1991, dropped \$4,761,000 to \$29,610,000 as price declined by 30.3%. However, acreage and production were up. Cattle and calves lost \$2,419,000 as production was down slightly and price down 4.8%.

Other commodities showing significant decreases in value include grain hay, other silage, processing tomatoes, corn silage, apricots and alfalfa hay.

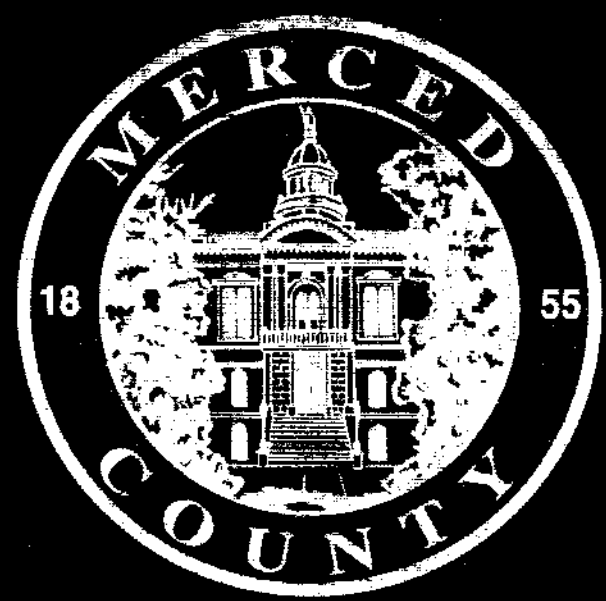
This report addresses the acreage, production and gross value of agricultural production in Merced County. It does not attempt to reflect net farm income or costs of production and marketing. This report also emphasizes an average production and average value of gross receipts. Value is based on farmgate 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  
Agricultural Commissioner

# **ANNUAL REPORT OF AGRICULTURE**

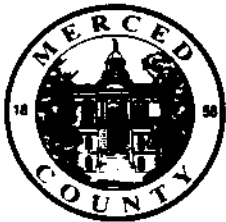


**1993**

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

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





# DEPARTMENT OF AGRICULTURE

AGRICULTURAL COMMISSIONER • WEIGHTS AND MEASURES • ANIMAL CONTROL

2139 Wardrobe Avenue  
Merced, California 95340-6495  
Telephone (209) 385-7431

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

GARY CASERI  
Assistant Agricultural Commissioner

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

JERRY O'BANION, CHAIRMAN  
GLORIA CORTEZ KEENE  
ANN KLINGER

MIKE BOGNA  
DEAN PETERSON

I am extremely pleased to submit the 1993 Agricultural Crop Report and the Sustainable Agriculture Report as required by Sections 2279 and 2272 of the California Food and Agriculture Code.

It is with pride that I announce a Merced County all-time record of \$1,202,632,000 for gross agricultural production value. This is \$132,451,000 higher (12.4%) than last year's \$1,070,181,000, and the fifth year in a row of over one billion dollars in value. Mother nature, which we have little control over, was very good to agriculture in 1993. The six year drought officially ended, giving us more than adequate water supplies while filling most reservoirs Statewide. The exception to required water needs for County agriculture being those growers receiving water under State or Federal contracts. Weather throughout the year was almost perfect for maximum production of most crops. Rains in the Spring, during bloom of some crops, did reduce production in a few areas. The Fall harvest season for late maturing crops was warmer and drier than usual, which helped bring them in without losses.

Almonds, for the second straight year, gained more in value than all other commodities produced and moved to the number two ranking for the first time since 1979. Value was up 64% to \$175,263,000 due to a \$0.61 per pound higher price, production up 40 pounds per acre, and acreage up 7%.

Milk continues to hold a firm grip as the number one agricultural commodity in the County. For the first time, it has topped \$300 million at \$311,501,000. This is up \$16,736,000 due to a production increase of 7.1%, however, price was down slightly. Sweet potatoes rebounded after last year's decline, to \$38,294,000, up \$8,684,000, as price was 35% higher, production up 17%, but acreage down 18.5%. Alfalfa hay made a strong showing, up \$8,409,000 to \$54,378,000, as price increased \$21 per ton, but production was slightly down.

Increased value of significance was also realized in other melons, silage corn, cotton, nursery products, walnuts, processing tomatoes, clingstone peaches, and market tomatoes.

For the third year in a row, chicken fryers and broilers plunged in value to \$102,609,000, losing \$8,196,000, as 10,338,000 fewer birds were produced, even though price was up 8.4%. This dropped chickens to the number three position of leading commodities. Turkeys also showed a big loss at \$26,750,000, a decline of \$4,171,000 due to a 21% drop in production, but price was up 5.9%. The only other commodity showing a significant decrease in value was bellpeppers.

Of the 76 commodity categories reported in this report, 56 had values over one million dollars.

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 farnagate 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

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AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER

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# FIELD CROPS ACREAGE, PRODUCTION AND VALUE 1993-1992

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BARLEY	1993	6,590	2.06	13,580	Ton	\$101.00	\$ 1,372,000
	1992	5,390	1.84	9,900	Ton	\$110.00	\$ 1,089,000
BEANS (Dry Lima)	1993	2,850	1.24	3,530	Ton	\$709.00	\$ 2,503,000
	1992	3,970	1.29	5,120	Ton	\$472.00	\$ 2,417,000
BEANS (Dry Other)	1993	2,900	.99	2,870	Ton	\$675.00	\$ 1,937,000
	1992	3,610	1.11	4,010	Ton	\$500.00	\$ 2,005,000
CORN (Grain)	1993	5,540	4.98	27,600	Ton	\$126.00	\$ 3,478,000
	1992	6,620	4.42	29,300	Ton	\$130.00	\$ 3,809,000
COTTON (Lint)	1993	79,200	1,355 Lbs.	215,000	500 Lb. Bale	\$355.00	\$76,325,000
	1992	76,500	1,394 Lbs.	213,000	500 Lb. Bale	\$340.00	\$72,420,000
COTTON (Seed)	1993	----	----	75,300	Ton	\$170.00	\$12,801,000
	1992	----	----	80,000	Ton	\$140.00	\$11,200,000
HAY (Alfalfa)	1993	70,900	6.61	469,000	Ton	\$109.00	\$51,121,000
	1992	69,300	6.92	480,000	Ton	\$ 88.00	\$42,240,000
HAY (Alfalfa-Cube)	1993	4,320	6.40	27,600	Ton	\$118.00	\$ 3,257,000
	1992	5,140	6.60	33,900	Ton	\$110.00	\$ 3,729,000
HAY (Grain)	1993	18,200	3.14	57,100	Ton	\$ 62.40	\$ 3,563,000
	1992	25,100	3.17	79,600	Ton	\$ 49.10	\$ 3,908,000
HAY (Sudan)	1993	690	7.75	5,300	Ton	\$ 60.00	\$ 318,000
	1992	780	4.00	3,120	Ton	\$ 45.00	\$ 140,000
OATS (Grain)	1993	2,700	1.33	3,590	Ton	\$165.00	\$ 592,000
	1992	3,520	1.36	4,800	Ton	\$125.00	\$ 600,000
PASTURE (Irrigated)	1993	80,000	----	----	Acre	\$120.00	\$ 9,600,000
	1992	80,000	----	----	Acre	\$120.00	\$ 9,600,000
PASTURE (Other)	1993	553,000	----	----	Acre	\$ 15.00	\$ 8,295,000
	1992	555,000	----	----	Acre	\$ 15.00	\$ 8,325,000
RICE	1993	4,390	4.08	17,900	Ton	\$165.00	\$ 2,954,000
	1992	2,516	3.86	9,700	Ton	\$171.00	\$ 1,659,000
SAFFLOWER	1993	3,760	1.00	3,760	Ton	\$306.00	\$ 1,151,000
	1992	3,280	.91	3,000	Ton	\$278.00	\$ 834,000
SILAGE (Corn)	1993	45,000	24.81	1,116,000	Ton	\$ 19.37	\$21,617,000
	1992	44,800	23.89	1,070,000	Ton	\$ 16.54	\$17,698,000
SILAGE * (Other)	1993	47,300	12.21	578,000	Ton	\$ 18.70	\$10,809,000
	1992	47,500	12.28	583,000	Ton	\$ 14.34	\$ 8,360,000
SORGHUM (Grain)	1993	60	2.27	136	Ton	\$ 97.33	\$ 13,000
	1992	170	2.53	430	Ton	\$106.00	\$ 46,000
STRAW	1993	----	----	2,000	Ton	\$ 35.00	\$ 70,000
	1992	----	----	1,900	Ton	\$ 28.00	\$ 53,000
STUBBLE ** (Pasture)	1993	9,700	----	----	Acre	\$ 10.00	\$ 97,000
	1992	9,800	----	----	Acre	\$ 10.00	\$ 98,000
SUGAR BEETS	1993	8,900	27.63	246,000	Ton	\$ 39.97	\$ 9,833,000
	1992	6,600	27.84	184,000	Ton	\$ 39.31	\$ 7,233,000
WHEAT	1993	11,850	2.63	31,200	Ton	\$100.00	\$ 3,120,000
	1992	11,410	2.48	28,300	Ton	\$114.00	\$ 3,226,000
TOTAL	1993	948,150					\$224,826,000
	1992	951,206					\$200,689,000

\* Includes Alfalfa, Barley, Earlage, Oats, Rye, Sorghum, Sudan, Wheat and Winter Forage.  
 \*\* Includes Alfalfa, Barley, Oats and Wheat. Stubble pasture not included in total acreage.

<b>NURSERY PRODUCTS          PRODUCTION ACREAGE, SALES AND VALUE 1993-1992</b>			
--	--	--	--

	YEAR	ACREAGE	TOTAL
TOTAL	1993	1,300	\$ 14,603,000
	1992	1,195	\$ 11,212,000

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.

<b>OTHER AGRICULTURE          PRODUCTION AND VALUE 1993-1992</b>					
--	--	--	--	--	--

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
FIREWOOD	1993	19,600	Cords	\$82.00	\$ 1,607,000
	1992	20,000	Cords	\$80.00	\$ 1,600,000
FUEL * (Cogeneration)	1993	129,000	Tons	\$23.69	\$ 3,056,000
	1992	99,400	Tons	\$23.19	\$ 2,305,000
MANURE **	1993	906,000	Tons	\$ 5.01	\$ 4,539,000
	1992	1,028,000	Tons	\$ 4.86	\$ 4,996,000
TOTAL	1993				\$ 9,202,000
	1992				\$ 8,901,000

\* Almond Shells, Orchard Prunings, Orchard Removal (Recorded in Wet Tons)  
 \*\* Livestock, Poultry

# SEED CROPS ACREAGE AND VALUE 1993-1992

## CERTIFIED SEED CROPS

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
SEED CROPS *	1993	564	---	---	---	---	\$ 290,000
(Miscellaneous)	1992	679	---	---	---	---	\$ 331,000
TOTAL	1993	564					\$ 290,000
	1992	679					\$ 331,000

## NON-CERTIFIED SEED CROPS

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
SEED CROPS **	1993	2,740	---	---	---	---	\$ 919,000
(Miscellaneous)	1992	4,210	---	---	---	---	\$ 1,395,000
TOTAL	1993	2,740					\$ 919,000
	1992	4,210					\$ 1,395,000

## ALL SEED CROPS

	YEAR	ACREAGE HARVESTED	TOTAL
TOTAL	1993	3,304	\$ 1,209,000
	1992	4,889	\$ 1,726,000

\* Includes certified seed from Rice and Wheat.

\*\* Includes common seed from Barley, Beans, Cabbage, Carrot, Cauliflower, Cucumber, Endive, Lettuce, Melons, Oats, Onions, Pepper, Rye, Squash, Turnips, and Wheat.

## VEGETABLE CROPS ACREAGE, PRODUCTION AND VALUE 1993-1992

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS, LIMA (Freezer)	1993	2,580	1.70	4,390	Ton	\$400.00	\$ 1,756,000
	1992	1,475	1.70	2,500	Ton	\$406.00	\$ 1,015,000
MELONS (Cantaloupe)	1993	11,200	360	4,032,000	40 Lb. Ctn.	\$ 4.26	\$17,176,000
	1992	9,420	358	3,372,000	40 Lb. Ctn.	\$ 5.08	\$17,130,000
MELONS (Watermelon)	1993	1,170	16.67	19,500	Ton	\$ 97.00	\$ 1,892,000
	1992	1,080	16.17	17,500	Ton	\$ 80.00	\$ 1,400,000
MELONS (Other)	1993	3,200	7.73	24,700	Ton	\$287.00	\$ 7,089,000
	1992	1,510	10.10	15,300	Ton	\$151.00	\$ 2,310,000
PEAS (Freezer)	1993	210	1.50	320	Ton	\$254.00	\$ 81,000
	1992	990	1.23	1,200	Ton	\$270.00	\$ 324,000
PEPPERS, BELL (Market)	1993	600	12.84	7,700	Ton	\$409.00	\$ 3,149,000
	1992	715	16.93	12,100	Ton	\$367.00	\$ 4,441,000
PEPPERS (Processing)	1993	----	----	300	Ton	\$210.00	\$ 63,000
	1992	----	----	869	Ton	\$209.00	\$ 182,000
SWEET POTATOES	1993	5,500	12.23	67,300	Ton	\$569.00	\$38,294,000
	1992	6,745	10.45	70,500	Ton	\$420.00	\$29,610,000
TOMATOES (Market)	1993	7,430	1068	7,935,000	25 Lb. Ctn.	\$ 4.42	\$35,073,000
	1992	6,630	911	6,040,000	25 Lb. Ctn.	\$ 5.37	\$32,435,000
TOMATOES (Processing)	1993	10,900	34.81	379,000	Ton	\$ 48.47	\$18,370,000
	1992	9,600	34.75	334,000	Ton	\$ 46.75	\$15,615,000
VEGETABLES * (Miscellaneous)	1993	3,560	----	----	---	----	\$ 7,106,000
	1992	3,914	----	----	---	----	\$ 6,909,000
TOTAL	1993	46,350					\$130,049,000
	1992	42,079					\$111,371,000

\* Includes Broccoli, Cabbage, Cauliflower, Chili Peppers, Cucumber, Eggplant, Garlic, Onions, Oriental Vegetables, Processed Melons, Popcorn, Pumpkin, Radicchio, String Beans, Sweet Corn, Squash, Asparagus, and Dried Tomatoes.

# FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE 1993-1992

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
ALMONDS (Kernel Basis)	1993	66,519	.70	46,600	Ton	\$3,761.00	\$175,263,000
	1992	61,950	.68	42,100	Ton	\$2,538.00	\$106,850,000
ALMONDS (Bulls)	1993	----	----	97,900	Ton	\$ 67.60	\$ 6,618,000
	1992	----	----	84,200	Ton	\$ 51.10	\$ 4,303,000
APRICOTS	1993	1,997	5.77	11,500	Ton	\$ 289.00	\$ 3,324,000
	1992	1,579	5.25	8,300	Ton	\$ 313.00	\$ 2,598,000
FIGS (Dry)	1993	3,345	1.24	4,150	Ton	\$1,654.00	\$ 6,864,000
	1992	3,315	1.25	4,140	Ton	\$1,746.00	\$ 7,228,000
GRAPES (Raisin)	1993	1,190	1.78	2,100	Ton	\$1,000.00	\$ 2,100,000
	1992	882	2.11	1,860	Ton	\$ 999.00	\$ 1,858,000
GRAPES (Raisin to Wine)	1993	310	9.47	2,940	Ton	\$ 134.00	\$ 394,000
	1992	654	10.48	6,850	Ton	\$ 175.00	\$ 1,199,000
GRAPES (Wine)	1993	12,838	8.87	114,000	Ton	\$ 242.00	\$ 27,588,000
	1992	11,331	9.56	108,000	Ton	\$ 241.00	\$ 26,028,000
KIWI	1993	37	6.57	243	Ton	\$1,414.00	\$ 344,000
	1992	37	7.60	281	Ton	\$1,286.00	\$ 361,000
NECTARINES	1993	203	11.34	2,300	Ton	\$ 769.00	\$ 1,769,000
	1992	164	10.98	1,800	Ton	\$ 655.00	\$ 1,179,000
PEACHES (Clingstone)	1993	4,049	17.79	72,000	Ton	\$ 220.00	\$ 15,840,000
	1992	3,469	17.16	59,500	Ton	\$ 220.00	\$ 13,090,000
PEACHES (Freestone)	1993	1,667	17.46	29,100	Ton	\$ 184.00	\$ 5,354,000
	1992	1,580	17.96	28,400	Ton	\$ 217.00	\$ 6,163,000
PISTACHIOS	1993	4,133	.91	3,760	Ton	\$2,878.00	\$ 10,821,000
	1992	3,632	1.07	3,890	Ton	\$2,394.00	\$ 9,313,000
PLUMS	1993	180	3.86	695	Ton	\$ 432.00	\$ 300,000
	1992	205	3.19	654	Ton	\$ 334.00	\$ 218,000
PRUNES	1993	2,096	1.54	3,230	Ton	\$1,065.00	\$ 3,440,000
	1992	2,068	1.43	2,960	Ton	\$ 998.00	\$ 2,954,000
WALNUTS (English)	1993	6,435	1.54	9,910	Ton	\$1,500.00	\$ 14,865,000
	1992	6,806	1.32	8,980	Ton	\$1,340.00	\$ 12,033,000
MISCELLANEOUS FROZEN FRUIT (Berries, Grapes)	1993	----	----	3,850	Ton	\$ 626.00	\$ 2,410,000
	1992	----	----	3,540	Ton	\$ 594.00	\$ 2,103,000
MISCELLANEOUS *	1993	4,352	----	----	---	----	\$ 12,917,000
	1992	3,936	----	----	---	----	\$ 11,663,000
TOTAL	1993	109,351					\$290,211,000
	1992	101,674					\$209,267,000

\* Includes Apples, Fresh Berries, Cherries, Citrus, Pecans, Pears, Persimmons, Table Grapes, Cannery Figs, Olives, and Fresh Peaches.

# FRUIT AND NUT ACREAGE PLANTING 1993-1988

CROPS	YEAR 1993		YEAR 1988	
	BEARING	NON-BEARING	BEARING	NON-BEARING
ALMONDS	66,519	4,325	63,758	3,787
APPLES	2,744	227	1,694	907
APRICOTS	1,997	103	1,427	180
BERRIES	135	65	78	44
CHERRIES	173	182	142	12
FIGS	3,345	---	4,225	3
GRAPES (Raisin)	1,741	9	2,247	---
GRAPES (Table)	243	---	218	20
GRAPES (Wine)	12,838	451	13,875	557
KIWI	37	---	43	---
MANDARINS	30	11	---	---
NECTARINES	203	19	216	12
OLIVES	74	---	73	---
ORANGES	48	---	55	---
PEACHES (Clingstone)	4,049	277	3,601	642
PEACHES (Freestone)	1,667	413	1,706	168
PEARS	18	3	14	17
PECANS	42	2	58	---
PERSIMMONS	14	---	13	---
PISTACHIOS	4,133	55	3,678	589
PLUMS	180	22	247	48
POMEGRANATES	2	---	2	---
PRUNES	2,096	228	1,657	39
WALNUTS (Black)	1	---	6	---
WALNUTS (English)	6,435	705	7,618	897
<b>TOTAL</b>	<b>108,764</b>	<b>7,097</b>	<b>106,651</b>	<b>7,922</b>



## LIVESTOCK AND POULTRY PRODUCTS 1993-1992

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
EGGS, CHICKEN (Market)	1993	36,781,000	Doz.	\$ 0.51	\$ 18,758,000
	1992	38,342,000	Doz.	\$ 0.48	\$ 18,404,000
EGGS (Hatching)	1993	9,376,000	Each	\$ 0.65	\$ 6,094,000
	1992	6,840,000	Each	\$ 0.66	\$ 4,514,000
MILK (Goat)	1993	19,000	Cwt.	\$25.37	\$ 482,000
	1992	14,100	Cwt.	\$25.37	\$ 358,000
MILK (Market)	1993	26,013,000	Cwt.	\$11.44	\$297,589,000
	1992	24,179,000	Cwt.	\$11.61	\$280,718,000
MILK (Manufacturing)	1993	1,259,000	Cwt.	\$11.05	\$ 13,912,000
	1992	1,284,000	Cwt.	\$10.94	\$ 14,047,000
WOOL	1993	379,000	Lb.	\$ 0.53	\$ 201,000
	1992	420,000	Lb.	\$ 0.75	\$ 315,000
TOTAL	1993				\$337,036,000
	1992				\$318,356,000

## BEE INDUSTRY 1993-1992

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
BEESWAX	1993	16,000	Lb.	\$ 1.50	\$ 24,000
	1992	17,900	Lb.	\$ 1.23	\$ 22,000
BULK BEES *	1993	15,500	Lb.	\$ 4.50	\$ 70,000
	1992	7,500	Lb.	\$ 4.00	\$ 30,000
HONEY **	1993	1,744,000	Lb.	\$0.487	\$ 849,000
	1992	1,189,000	Lb.	\$0.514	\$ 611,000
POLLINATION ***	1993	149,000	Colony	\$28.52	\$4,249,000
	1992	139,000	Colony	\$28.44	\$3,953,000
QUEENS	1993	3,800	Each	\$ 6.00	\$ 23,000
	1992	2,500	Each	\$ 6.00	\$ 15,000
TOTAL	1993				\$5,215,000
	1992				\$4,631,000

\* Includes bees sold as nuclei.

\*\* Honey produced by 32,000 colonies in 1993 and 35,700 colonies in 1992 owned by resident beekeepers.

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

## LIVESTOCK AND POULTRY PRODUCTION AND VALUE 1993-1992

ITEM	YEAR	NUMBER OF HEAD	LIVWEIGHT	UNIT	VALUE	
					PER UNIT	TOTAL
CATTLE AND CALVES	1993	110,700	803,000	Cwt.	\$59.85	\$ 48,060,000
	1992	114,500	827,000	Cwt.	\$59.00	\$ 48,793,000
CHICKENS (Fryers and Broilers)	1993	64,177,000	317,676,000	Lb.	\$0.323	\$102,609,000
	1992	74,515,000	371,830,000	Lb.	\$0.298	\$110,805,000
CHICKENS (Other)	1993	1,047,000	5,863,000	Lb.	\$0.211	\$ 1,237,000
	1992	1,032,000	4,407,000	Lb.	\$0.164	\$ 723,000
GOATS	1993	1,460	----	Each	\$65.00	\$ 95,000
	1992	1,200	----	Each	\$62.00	\$ 74,000
BOGS AND PIGS	1993	60,000	99,000	Cwt.	\$63.50	\$ 6,287,000
	1992	45,900	101,200	Cwt.	\$56.60	\$ 5,728,000
POULTRY * (Miscellaneous)	1993	61,000	122,000	Lb.	\$ 3.19	\$ 389,000
	1992	75,000	150,000	Lb.	\$ 2.96	\$ 444,000
SHEEP AND LAMBS	1993	57,000	62,000	Cwt.	\$57.15	\$ 3,543,000
	1992	58,700	69,000	Cwt.	\$63.00	\$ 4,347,000
TURKEYS	1993	3,263,000	67,381,000	Lb.	\$0.397	\$ 26,750,000
	1992	4,129,000	82,456,000	Lb.	\$0.375	\$ 30,921,000
TOTAL	1993					\$188,970,000
	1992					\$201,835,000

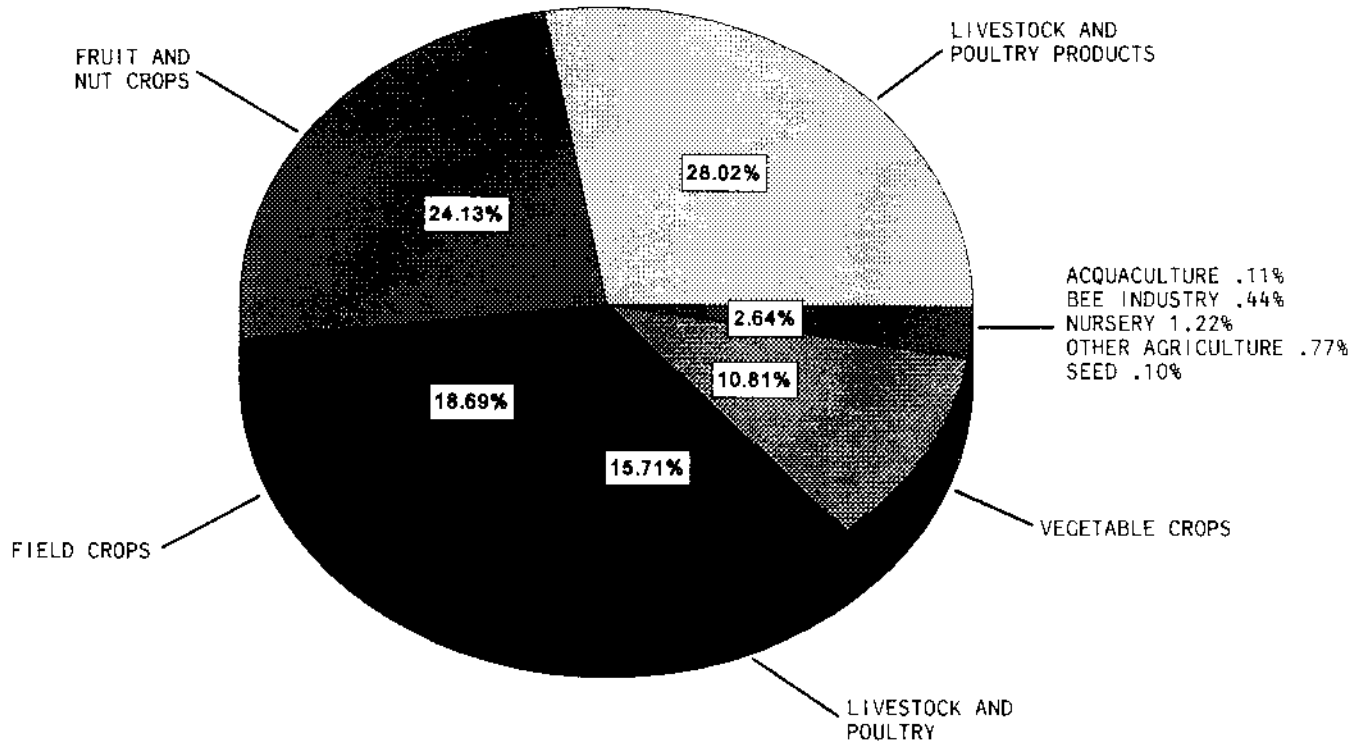
\* Chucker, Pheasant, Squab

## AQUACULTURE PRODUCTION AND VALUE 1993-1992

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
FISH *	1993	771,000	Lb.	\$ 1.70	\$ 1,311,000
	1992	860,000	Lb.	\$ 2.55	\$ 2,193,000
TOTAL	1993				\$ 1,311,000
	1992				\$ 2,193,000

\* Catfish, Trout, Bass.

# PERCENTAGE COMPARISON CHART BY VALUE



### GOVERNMENT PAYMENTS \*

BARLEY .....	\$ 113,000	HONEY .....	\$ 43,000	SORGHUM .....	\$ 4,000
CORN .....	\$ 392,000	OATS .....	\$ 4,000	WHEAT .....	\$ 803,000
COTTON .....	\$ 8,434,000	RICE .....	\$ 1,129,000	WOOL .....	\$ 655,000

### CROPS NOT HARVESTED IN 1993 \*\*

CANTALOUPE.....	28 Acres	PEAS .....	56 Acres	STRAWBERRIES .....	8 Acres
GRAPES .....	240 Acres	SAFFLOWER .....	58 Acres	TOMATOES .....	15 Acres
ONIONS .....	13 Acres			WHEAT .....	113 Acres

\* Amounts not included in total value of each crop for 1993. (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 1993-1968

COMMODITIES	1993	1992	1988	1983	1978	1973	1968
AQUACULTURE	\$ 1,311,000	\$ 2,193,000	\$ 3,147,000	\$ -----	\$ -----	\$ -----	\$ -----
BEER INDUSTRY	\$ 5,215,000	\$ 4,631,000	\$ 3,521,000	\$ 3,031,000	\$ 2,021,000	\$ 1,595,400	\$ 289,180
FIELD CROPS	\$ 224,826,000	\$ 200,689,000	\$ 183,339,000	\$ 156,920,000	\$ 96,344,000	\$ 78,936,600	\$ 39,729,200
FRUIT AND NUTS	\$ 290,211,000	\$ 209,267,000	\$ 199,829,000	\$ 93,382,000	\$ 86,243,000	\$ 69,085,560	\$ 24,519,840
LIVESTOCK AND POULTRY	\$ 188,970,000	\$ 201,835,000	\$ 234,465,000	\$ 174,255,000	\$ 132,959,000	\$ 83,386,000	\$ 41,023,800
LIVESTOCK AND POULTRY PRODUCTS	\$ 337,036,000	\$ 318,356,000	\$ 240,497,000	\$ 215,455,000	\$ 119,519,000	\$ 72,020,000	\$ 34,843,100
NURSERY PRODUCTS	\$ 14,603,000	\$ 11,212,000	\$ 13,248,000	\$ 8,017,000	\$ 7,336,000	\$ 5,720,000	\$ 1,888,000
OTHER AGRICULTURE	\$ 9,202,000	\$ 8,901,000	\$ 8,731,000	\$ -----	\$ -----	\$ -----	\$ -----
SEED CROPS	\$ 1,209,000	\$ 1,726,000	\$ 1,663,000	\$ 1,381,000	\$ 2,643,000	\$ 842,000	\$ 892,400
VEGETABLE CROPS	\$ 130,049,000	\$ 111,371,000	\$ 84,737,000	\$ 69,309,000	\$ 50,828,000	\$ 32,669,000	\$ 23,120,700
<b>TOTAL</b>	<b>\$1,202,632,000</b>	<b>\$1,070,181,000</b>	<b>\$ 973,177,000</b>	<b>\$ 721,750,000</b>	<b>\$ 496,893,000</b>	<b>\$ 344,254,560</b>	<b>\$ 166,306,220</b>

## TWELVE LEADING FARM COMMODITIES 1993

1. MILK	\$311,501,000 (1)	7. CATTLE	\$ 48,060,000 (5)
2. ALMONDS	\$175,263,000 (3)	8. SWEET POTATOES	\$ 38,294,000 (9)
3. CHICKENS	\$103,646,000 (2)	9. GRAPES, WINE	\$ 27,982,000 (10)
4. COTTON	\$ 76,325,000 (4)	10. TURKEYS	\$ 26,750,000 (8)
5. ALFALFA	\$ 54,378,000 (7)	11. CORN SILAGE	\$ 21,617,000 (13)
6. TOMATOES	\$ 53,443,000 (6)	12. PEACHES	\$ 21,194,000 (11)

(Number in parenthesis denotes 1992 ranking)

**MERCED COUNTY SUSTAINABLE AGRICULTURE -  
BIOLOGICAL CONTROL 1993**

PEST	ORGANISM	SCOPE OF PROGRAM *
<u>GRAPELEAF SKELETONIZER</u> <u>Harrisina brillians</u>	<u>Ametadoria micella</u> (Parasitic Fly) <u>WGS Gramlosis</u> (Virus) <u>Apanteles harrisinae</u> (Parasitic Wasp)	Countywide
<u>PUNCTURE VINE</u> <u>Tribulus terrestris</u>	<u>Microlarinus larenyi</u> (Seed Weevil) <u>Microlarinus lybriiformis</u> (Stem Weevil)	Countywide
<u>MILK THISTLE</u> <u>Silybum marianum</u>	<u>Rhinocyllus conicus</u> (Seed-Head Weevil)	Countywide
<u>ITALIAN THISTLE</u> <u>Carduus tenuiflorus</u>	<u>Rhinocyllus conicus</u> (Seed-Head Weevil)	Limited
<u>YELLOWSTAR THISTLE</u> <u>Centaurea solstitialis</u>	<u>Baryscarterus orientalis</u> (Seed-Head Weevil) <u>Urophora sirunaseva</u> (Seed-Head Gall Fly)	Two Sites One Site
<u>RUSSIAN THISTLE</u> <u>Salsola iberica</u>	<u>Coleophora klimeschiella</u> (Case Bearing Moth) <u>Coleophora partbenica</u> (Russian Thistle Borer)	Seven Sites
<u>WATER HYACINTH</u> <u>Eichornia crassipes</u>	<u>Sameodes albiquattalis</u> (Hyacinth Moth) <u>Neochetina eichorniae</u> (Mottled Hyacinth Weevil)	Six Sites
<u>ASH WHITEFLY</u> <u>Siphonius phillyrea</u>	<u>Encarsia partenopea</u> (Parasitic Wasp)	Countywide
<u>KLAMATH WEED</u> <u>Hypericum perforatum</u>	<u>Chrysolina quadrigemina</u> (Leaf Feeding Beetle)	Two Sites

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

**MERCED COUNTY SUSTAINABLE AGRICULTURE -  
PEST EXCLUSION 1993**

PEST INTERCEPTED	SOURCE	SCOPE OF PROGRAM
Imported Fire Ant	Trucks/Louisiana, Georgia, Virginia	4 Rejections/Fumigated
Soybean Cyst Nematode	Sweet Potatoes/Louisiana	1 Rejection/Fumigated
Mexican Fruit Fly	Citrus/Texas	1 Rejection/Destroyed
European Corn Borer	Sweet Corn/Ohio	1 Rejection/Destroyed
Citrus Canker	Makeng Peppers/Thailand	3 Rejections/Destroyed
Citrus Canker	Kaffir Limes/Thailand	3 Rejections/Destroyed
European Corn Borer	Hollyhock/UPS	16 Rejections/Destroyed
European Corn Borer	Aster/UPS	1 Rejection/Destroyed

**MERCED COUNTY SUSTAINABLE AGRICULTURE -  
ORGANIC FARMING 1993**

CROP	NUMBER OF FARMS	ACRES
SWEET POTATOES	3	227
ALMONDS	8	333
GRAPES	1	47
PLUMS	1	8
PEACHES	2	14
ASIAN PEARS	1	3
POPCORN	1	12
WALNUTS *	1	4
PERSIMMONS *	1	1
PISTACHIOS	1	94
PEARS	1	10

\* Non-certified programs.

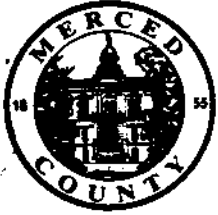
# **ANNUAL REPORT OF AGRICULTURE**



**1994**

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

**MICHAEL J. TANNER, AGRICULTURAL COMMISSIONER  
GARY CASERI, ASSISTANT AGRICULTURAL COMMISSIONER**



# DEPARTMENT OF AGRICULTURE

AGRICULTURAL COMMISSIONER • WEIGHTS AND MEASURES • ANIMAL CONTROL

2139 Wardrobe Avenue  
Merced, California 95340-6495  
Telephone (209) 385-7431

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

GARY CASERI  
Assistant Agricultural Commissioner

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

JERRY O'BANION, CHAIRMAN  
GLORIA CORTEZ-KEENE  
ANN KLINGER

JOE RIVERO  
DEAN PETERSON

It is with pleasure that I submit the 1994 Agricultural Crop Report, in accordance with provisions of Section 2279 of the California Food and Agriculture Code.

I am pleased to report that the Merced County gross agriculture production value has reached a new high of \$1,251,723,000. This is 4% higher, \$49,091,000, than in 1993 and the sixth straight year of over one billion dollars in value. While the 1994 crop year started out with mixed weather detrimental to some crops, overall, the year continued favorably for most commodities, resulting in another record breaking year.

Milk outpaced all commodities increasing \$23,816,000 for a total of \$335,841,000 to maintain its number one position, more than double the number two commodity. Production was up 7% with a slightly higher price.

After three consecutive years of dramatic decline, chicken fryers and broilers have turned around to gain \$20,855,000. Production was up 11,253,000 birds and the price was higher by seven tenths of a cent per pound, for a total of \$123,464,000. Chickens remain in third place. Tomatoes moved into fifth place as a result of a \$16,170,000 increase for fresh market tomatoes. This was due to a yield per acre increase of 5.6% and price per carton increase of 29%. Processing tomatoes were also up slightly in yield and value.

Cotton surpassed its record setting yield of 1992 to set a new high of 1,408 pounds of lint per acre. Value was up \$10,750,000 for a total of \$87,075,000, holding its grip on fourth place. There were 2,900 fewer acres, however, production increased 53 pounds per acre, and price was up ten cents a pound. Sweet potatoes increased \$5,330,000 for a total of \$43,624,000. Although acreage was down slightly and yield decreased 1.8%, the per ton price was up 16.9%.

Increased value of significance was also realized in prunes, almond hulls, silage corn, and cantaloupes.

Two new categories have been added to the Crop Report this year - strawberries, formerly reported under miscellaneous fruit and nut crops, and ostriches.

After exceptionally high prices the prior year, almonds plunged in value by \$23,163,000 to \$152,100,000, but still retained the number two position of leading farm commodities. Even though acreage was up 2,318 acres and yield per acre increased 300 pounds to 1,700 pounds, an all time high, the price dropped 58 cents per pound. Walnuts dropped by \$7,137,000 to \$7,728,000 due to less acreage, a production decline of 15%, and a value per ton drop of 36%. Pistachios lost \$4,383,000 as yield and price per ton declined by 20.9% and 28% respectively. Other big losses were in clingstone peaches, turkeys, cattle and calves, other melons, cotton seed, and sheep and lambs.

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  
Agricultural Commissioner

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ANIMAL CONTROL: 2080 Grogan Avenue, Merced, CA 95340 (209) 725-3647

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER



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# FIELD CROPS

## ACREAGE, PRODUCTION AND VALUE 1994 - 1993

CROP	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BARLEY	1994	6,990	2.21	15,450	Ton	\$106.00	\$1,638,000
	1993	6,590	2.06	13,580	Ton	\$101.00	\$1,372,000
BEANS (Dry Lima)	1994	3,440	1.22	4,200	Ton	\$712.00	\$2,990,000
	1993	2,850	1.24	3,530	Ton	\$709.00	\$2,503,000
BEANS (Dry Other)	1994	3,700	1.02	3,770	Ton	\$697.00	\$2,628,000
	1993	2,900	.99	2,870	Ton	\$675.00	\$1,937,000
CORN * (Grain)	1994	4,580	4.11	18,800	Ton	\$121.00	\$2,275,000
	1993	5,540	4.98	27,600	Ton	\$126.00	\$3,478,000
COTTON (Lint)	1994	76,300	1,408 Lbs.	215,000	500 Lb. Bale	\$405.00	\$87,075,000
	1993	79,200	1,355 Lbs.	215,000		\$355.00	\$76,325,000
COTTON (Seed)	1994	---	---	73,600	Ton	\$150.00	\$11,040,000
	1993	---	---	75,300	Ton	\$170.00	\$12,801,000
HAY (Alfalfa)	1994	70,500	7.08	499,000	Ton	\$118.00	\$58,882,000
	1993	70,900	6.61	469,000	Ton	\$109.00	\$51,121,000
HAY (Alfalfa-Cube)	1994	4,920	6.37	31,300	Ton	\$128.00	\$4,006,000
	1993	4,320	6.40	27,600	Ton	\$118.00	\$3,257,000
HAY (Grain)	1994	20,000	3.01	60,200	Ton	\$77.35	\$4,656,000
	1993	18,200	3.14	57,100	Ton	\$62.40	\$3,563,000
HAY (Sudan)	1994	820	4.15	3,400	Ton	\$85.00	\$289,000
	1993	690	7.75	5,300	Ton	\$60.00	\$318,000
OATS (Grain)	1994	3,100	1.47	4,560	Ton	\$168.00	\$766,000
	1993	2,700	1.33	3,590	Ton	\$165.00	\$592,000
PASTURE (Irrigated)	1994	80,000	---	---	Acre	\$120.00	\$9,600,000
	1993	80,000	---	---	Acre	\$120.00	\$9,600,000
PASTURE (Other)	1994	551,000	---	---	Acre	\$15.00	\$8,265,000
	1993	553,000	---	---	Acre	\$15.00	\$8,295,000
RICE	1994	5,840	3.99	23,300	Ton	\$154.00	\$3,588,000
	1993	4,390	4.08	17,900	Ton	\$165.00	\$2,954,000
SAFFLOWER	1994	2,960	1.28	3,790	Ton	\$302.00	\$1,145,000
	1993	3,760	1.00	3,760	Ton	\$306.00	\$1,151,000
SILAGE (Corn)	1994	46,500	25.23	1,173,000	Ton	\$19.83	\$23,261,000
	1993	45,000	24.81	1,116,000	Ton	\$19.37	\$21,617,000
SILAGE ** (Other)	1994	50,400	10.95	552,000	Ton	\$19.05	\$10,516,000
	1993	47,300	12.21	578,000	Ton	\$18.70	\$10,809,000
SORGHUM (Grain)	1994	---	---	---	Ton	---	---
	1993	60	2.27	136	Ton	\$97.33	\$13,000
STRAW	1994	---	---	2,300	Ton	\$35.00	\$81,000
	1993	---	---	2,000	Ton	\$35.00	\$70,000
STUBBLE *** (Pasture)	1994	9,870	---	---	Acre	\$10.00	\$99,000
	1993	9,700	---	---	Acre	\$10.00	\$97,000
SUGAR BEETS	1994	9,020	25.66	231,000	Ton	\$40.15	\$9,275,000
	1993	8,900	27.63	246,000	Ton	\$39.97	\$9,833,000
WHEAT	1994	11,700	2.72	31,800	Ton	\$117.00	\$3,721,000
	1993	11,850	2.63	31,200	Ton	\$100.00	\$3,120,000
<b>TOTAL</b>	1994	951,770					\$246,798,000
	1993	948,150					\$224,826,000

\* Includes Human Consumption Corn (but not fresh corn).  
 \*\* Includes Alfalfa, Barley, Earlage, Oats, Rye, Sorghum, Sudan, Wheat and Winter Forage.  
 \*\*\* Includes Alfalfa, Barley, Oats and Wheat. Stubble pasture not included in total acreage.

## NURSERY PRODUCTS PRODUCTION ACREAGE, SALES AND VALUE 1994 - 1993

	YEAR	ACREAGE	TOTAL
<b>TOTAL</b>	1994	1,110	\$14,923,000
	1993	1,300	\$14,803,000

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 1994 - 1993

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
FIREWOOD	1994	20,200	Cord	\$83.00	\$1,677,000
	1993	19,600	Cord	\$82.00	\$1,607,000
FUEL * (Cogeneration)	1994	79,000	Ton	\$20.24	\$1,599,000
	1993	129,000	Ton	\$23.69	\$3,056,000
MANURE **	1994	1,024,000	Ton	\$4.88	\$4,997,000
	1993	906,000	Ton	\$5.01	\$4,539,000
<b>TOTAL</b>	1994				\$6,273,000
	1993				\$9,202,000

\* Almond Shells, Orchard Prunings, Orchard Removal (Recorded in Wet Tons)

\*\* Livestock, Poultry

# SEED CROPS ACREAGE AND VALUE 1994 - 1993

## CERTIFIED SEED CROPS

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
SEED CROPS * (Miscellaneous)	1994	293	---	---	---	---	\$206,000
	1993	564	---	---	---	---	\$290,000
<b>TOTAL</b>	1994 1993	293 564					\$206,000 \$290,000

## NON-CERTIFIED SEED CROPS

CROPS	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
SEED CROPS ** (Miscellaneous)	1994	5,020	---	---	---	---	\$1,829,000
	1993	2,740	---	---	---	---	\$919,000
<b>TOTAL</b>	1994 1993	5,020 2,740					\$1,829,000 \$919,000

## ALL SEED CROPS

	YEAR	ACREAGE HARVESTED	TOTAL
<b>TOTAL</b>	1994 1993	5,313 3,304	\$2,035,000 \$1,209,000

\* Includes certified seed from Rice, Wheat and Rye.

\*\* Includes common seed from Alfalfa, Barley, Cabbage, Carrot, Cauliflower, Corn, Cucumber, Melons, Oats, Onions, Pepper, Rye, Squash, and Wheat.

## VEGETABLE CROPS ACREAGE, PRODUCTION AND VALUE 1994 - 1993

CROP	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS, LIMA (Freezer)	1994	2,590	1.52	3,940	Ton	\$440.00	\$1,734,000
	1993	2,580	1.70	4,390	Ton	\$400.00	\$1,756,000
MELONS (Cantaloupe)	1994	10,500	430	4,515,000	40 Lb. Carton	\$4.13	\$18,647,000
	1993	11,200	360	4,032,000	Carton	\$4.26	\$17,176,000
MELONS (Watermelon)	1994	920	16.76	15,400	Ton	\$102.00	\$1,571,000
	1993	1,170	16.67	19,500	Ton	\$97.00	\$1,892,000
MELONS (Other)	1994	2,580	7.64	19,700	Ton	\$245.00	\$4,827,000
	1993	3,200	7.73	24,700	Ton	\$287.00	\$7,089,000
PEAS (Freezer)	1994	1,600	1.63	2,610	Ton	\$300.00	\$783,000
	1993	210	1.50	320	Ton	\$254.00	\$81,000
PEPPERS, BELL (Market)	1994	490	11.66	5,710	Ton	\$488.00	\$2,786,000
	1993	600	12.84	7,700	Ton	\$409.00	\$3,149,000
PEPPERS (Processing)	1994	---	---	---	Ton	---	---
	1993	---	---	300	Ton	\$210.00	\$63,000
SWEET POTATOES	1994	5,460	12.01	65,600	Ton	\$665.00	\$43,624,000
	1993	5,500	12.23	67,300	Ton	\$569.00	\$38,294,000
TOMATOES (Market)	1994	7,970	1128	8,990,000	25 Lb. Carton	\$5.70	\$51,243,000
	1993	7,430	1068	7,935,000	Carton	\$4.42	\$35,073,000
TOMATOES (Processing)	1994	10,800	35.66	385,000	Ton	\$51.77	\$19,931,000
	1993	10,900	34.81	379,000	Ton	\$48.47	\$18,370,000
VEGETABLES * (Miscellaneous)	1994	2,360	---	---	---	---	\$6,878,000
	1993	3,560	---	---	---	---	\$7,106,000
<b>TOTAL</b>	1994	45,270					\$152,024,000
	1993	46,350					\$130,049,000

\* Includes Asparagus, Basil, Broccoli, Cabbage, Cauliflower, Celantro, Chili Peppers, Cucumber, Dill, Eggplant, Endive, Garlic, Okra, Onions, Oriental Vegetables, Popcorn, Pumpkin, Radicchio, String Beans, Sweet Corn, Squash, Tomatillos, and Dried Tomatoes.

# FRUIT AND NUT CROPS ACREAGE, PRODUCTION AND VALUE 1994 - 1993

CROP	YEAR	ACREAGE HARVESTED	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
ALMONDS (Kernel Basis)	1994	68,837	.85	58,500	Ton	\$2,600.00	\$152,100,000
	1993	66,519	.70	46,600	Ton	\$3,761.00	\$175,263,000
ALMONDS (Hulls)	1994	---	---	123,000	Ton	\$68.70	\$8,450,000
	1993	---	---	97,900	Ton	\$67.60	\$6,618,000
APRICOTS	1994	2,003	6.84	13,700	Ton	\$283.00	\$3,877,000
	1993	1,997	5.77	11,500	Ton	\$289.00	\$3,324,000
FIGS (Dry)	1994	3,313	1.21	4,010	Ton	\$1,772.00	\$7,106,000
	1993	3,345	1.24	4,150	Ton	\$1,654.00	\$6,864,000
GRAPES (Raisin)	1994	1,674	1.71	2,860	Ton	\$998.00	\$2,854,000
	1993	1,190	1.78	2,100	Ton	\$1,000.00	\$2,100,000
GRAPES (Raisin to Wine)	1994	180	8.76	1,580	Ton	\$121.00	\$191,000
	1993	310	9.47	2,940	Ton	\$134.00	\$394,000
GRAPES (Wine)	1994	12,716	8.82	112,000	Ton	\$251.00	\$28,112,000
	1993	12,838	8.87	114,000	Ton	\$242.00	\$27,588,000
KIWI	1994	41	8.22	337	Ton	\$1,580.00	\$532,000
	1993	37	6.57	243	Ton	\$1,414.00	\$344,000
NECTARINES	1994	196	12.49	2,450	Ton	\$596.00	\$1,460,000
	1993	203	11.34	2,300	Ton	\$769.00	\$1,769,000
PEACHES (Clingstone)	1994	4,094	17.41	71,300	Ton	\$172.00	\$12,264,000
	1993	4,049	17.79	72,000	Ton	\$220.00	\$15,840,000
PEACHES (Freestone)	1994	1,713	18.95	32,500	Ton	\$185.00	\$6,013,000
	1993	1,667	17.46	29,100	Ton	\$184.00	\$5,354,000
PISTACHIOS	1994	4,315	.72	3,110	Ton	\$2,070.00	\$6,438,000
	1993	4,133	.91	3,760	Ton	\$2,878.00	\$10,821,000
PLUMS	1994	172	3.08	530	Ton	\$470.00	\$249,000
	1993	180	3.86	695	Ton	\$432.00	\$300,000
PRUNES	1994	2,118	2.60	5,507	Ton	\$1,046.00	\$5,760,000
	1993	2,096	1.54	3,230	Ton	\$1,065.00	\$3,440,000
STRAWBERRIES	1994	538	13.51	7,270	Ton	\$688.00	\$5,002,000
	1993	---	---	---	Ton	---	---
WALNUTS (English)	1994	6,147	1.31	8,050	Ton	\$960.00	\$7,728,000
	1993	6,435	1.54	9,910	Ton	\$1,500.00	\$14,865,000
MISCELLANEOUS FROZEN FRUIT *	1994	---	---	9,900	Ton	\$67.00	\$663,000
	1993	---	---	3,850	Ton	\$626.00	\$2,410,000
MISCELLANEOUS **	1994	3,900	---	---	---	---	\$9,084,000
	1993	4,352	---	---	---	---	\$12,917,000
<b>TOTAL</b>	1994	111,957					\$257,883,000
	1993	109,351					\$280,211,000

\* Includes Berries, Grapes, and Melons.

\*\* Includes Apples, Fresh Berries, Cherries, Citrus, Pecans, Pears, Persimmons, Table Grapes, Cannery Figs, and Fresh Peaches.

## FRUIT AND NUT ACREAGE PLANTING 1994 - 1989

CROPS	YEAR 1994		YEAR 1989	
	BEARING	NON-BEARING	BEARING	NON-BEARING
ALMONDS	68,837	5,296	64,645	4,569
APPLES	2,730	203	2,162	470
APRICOTS	2,003	104	1,563	192
BERRIES	144	95	---	---
CHERRIES	218	137	146	60
FIGS	3,313	52	3,556	3
GRAPES (Raisin)	1,674	16	2,112	3
GRAPES (Table)	223	100	219	---
GRAPES (Wine)	12,716	1,047	13,692	441
KIWI	41	---	38	---
MANDARINS	30	---	---	---
NECTARINES	196	18	166	54
OLIVES	62	---	60	14
ORANGES	48	---	49	---
PEACHES (Clingstone)	4,094	313	3,618	795
PEACHES (Freestone)	1,713	486	1,731	117
PEARS	21	---	---	17
PECANS	42	2	59	13
PERSIMMONS	13	---	13	---
PISTACHIOS	4,317	165	3,610	454
PLUMS	172	48	245	48
PRUNES	2,118	258	1,783	460
WALNUTS (English)	6,147	800	7,507	1,016
<b>TOTAL</b>	<b>110,872</b>	<b>9,140</b>	<b>106,974</b>	<b>8,726</b>

## LIVESTOCK AND POULTRY PRODUCTS 1994 - 1993

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
EGGS, CHICKEN (Market)	1994	39,711,000	Dozen	\$0.44	\$17,473,000
	1993	36,781,000	Dozen	\$0.51	\$18,758,000
EGGS (Hatching)	1994	7,865,000	Each	\$0.66	\$5,191,000
	1993	9,376,000	Each	\$0.65	\$6,094,000
MILK (Goat)	1994	22,200	Cwt.	\$27.50	\$611,000
	1993	19,000	Cwt.	\$25.37	\$482,000
MILK (Market)	1994	27,924,000	Cwt.	\$11.51	\$321,405,000
	1993	26,013,000	Cwt.	\$11.44	\$297,589,000
MILK (Manufacturing)	1994	1,263,000	Cwt.	\$11.43	\$14,436,000
	1993	1,259,000	Cwt.	\$11.05	\$13,912,000
WOOL	1994	421,000	Pound	\$0.70	\$295,000
	1993	379,000	Pound	\$0.53	\$201,000
<b>TOTAL</b>	1994				<b>\$359,411,000</b>
	1993				<b>\$337,036,000</b>

## BEE INDUSTRY 1994 - 1993

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
BEESWAX	1994	14,200	Pound	\$1.45	\$21,000
	1993	16,000	Pound	\$1.50	\$24,000
BULK BEES *	1994	25,200	Pound	\$4.50	\$113,000
	1993	15,500	Pound	\$4.50	\$70,000
HONEY **	1994	928,000	Pound	\$0.470	\$436,000
	1993	1,744,000	Pound	\$0.487	\$849,000
POLLINATION ***	1994	151,000	Colony	\$31.28	\$4,723,000
	1993	149,000	Colony	\$28.52	\$4,249,000
QUEENS	1994	2,000	Each	\$6.00	\$12,000
	1993	3,800	Each	\$6.00	\$23,000
<b>TOTAL</b>	1994				<b>\$5,305,000</b>
	1993				<b>\$5,215,000</b>

- \* Includes bees sold as nuclei.
- \*\* Honey produced by 28,400 registered resident colonies in 1994 and 32,000 colonies for 1993.
- \*\*\* Pollination colonies include all required to pollinate crops grown in Merced County.



## LIVESTOCK AND POULTRY PRODUCTION AND VALUE 1994 - 1993

ITEM	YEAR	NUMBER OF HEAD	LIVEWEIGHT	UNIT	VALUE	
					PER UNIT	TOTAL
CATTLE AND CALVES	1994	151,000	859,000	Cwt.	\$52.85	\$45,226,000
	1993	110,700	803,000	Cwt.	\$59.85	\$48,060,000
CHICKENS (Fryers and Broilers)	1994	75,430,000	374,133,000	Pound	\$0.330	\$123,464,000
	1993	64,177,000	317,676,000	Pound	\$0.323	\$102,609,000
CHICKENS (Other)	1994	1,350,000	7,196,000	Pound	\$0.173	\$1,245,000
	1993	1,047,000	5,863,000	Pound	\$0.211	\$1,237,000
GOATS	1994	2,000	---	Each	\$65.00	\$130,000
	1993	1,460	---	Each	\$65.00	\$95,000
OSTRICHES *	1994	2,500	---	---	---	\$3,750,000
	1993	---	---	---	---	---
HOGS AND PIGS	1994	52,600	86,000	Cwt.	\$59.28	\$5,098,000
	1993	60,000	99,000	Cwt.	\$63.50	\$6,287,000
POULTRY ** (Miscellaneous)	1994	63,000	134,000	Pound	\$3.05	\$409,000
	1993	61,000	122,000	Pound	\$3.19	\$389,000
SHEEP AND LAMBS	1994	37,800	39,000	Cwt.	\$53.81	\$2,099,000
	1993	57,000	62,000	Cwt.	\$57.15	\$3,543,000
TURKEYS	1994	2,893,000	58,815,000	Pound	\$0.399	\$23,467,000
	1993	3,263,000	67,381,000	Pound	\$0.397	\$26,750,000
<b>TOTAL</b>	1994					\$204,888,000
	1993					\$188,970,000

\* Not reported in 1993.

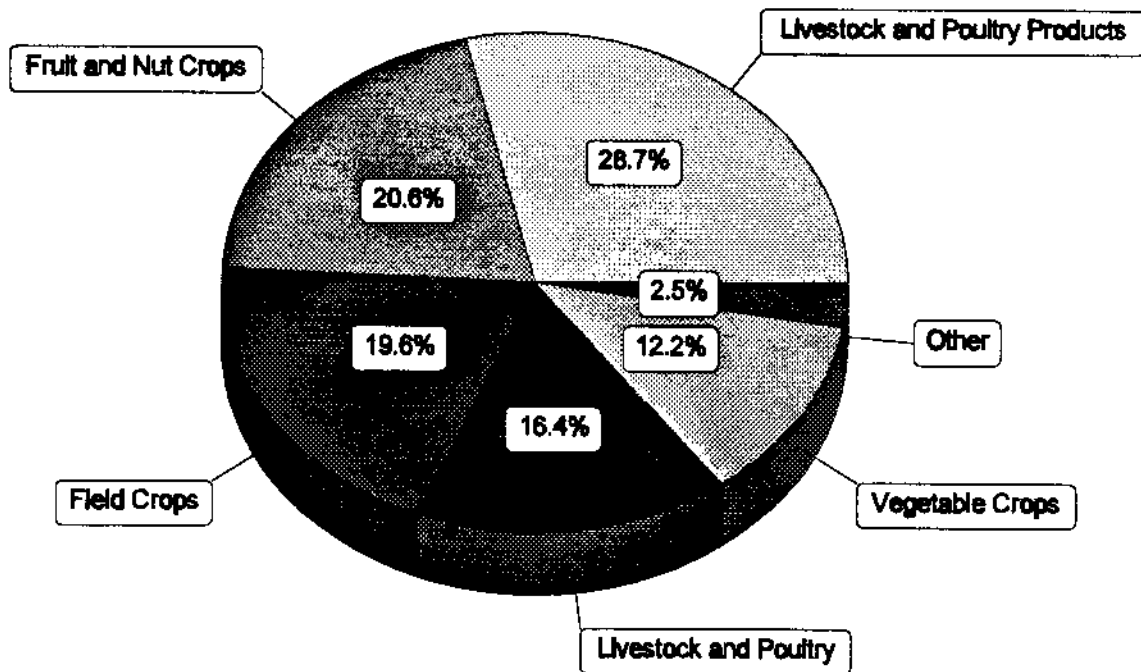
\*\* Chuckar, Pheasant, Squab.

## AQUACULTURE PRODUCTION AND VALUE 1994 - 1993

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
FISH *	1994	693,000	Pound	\$1.71	\$1,185,000
	1993	771,000	Pound	\$1.70	\$1,311,000
<b>TOTAL</b>	1994				\$1,185,000
	1993				\$1,311,000

\* Catfish, Trout, Bass

# PERCENTAGE COMPARISON CHART BY VALUE



## GOVERNMENT PAYMENTS \*

BARLEY.....\$76,000	COTTON.....\$4,217,000	SORGHUM.....\$9,000
CORN.....\$290,000	OATS.....\$2,000	WHEAT.....\$483,000
	RICE.....\$970,000	

## CROPS NOT HARVESTED IN 1994 \*\*

LETTUCE.....62 Acres	PUMPKINS.....4 Acres	SQUASH.....15 Acres
SORGHUM.....59 Acres	OLIVES.....62 Acres	PISTACHIOS.....2 Acres

\* Amounts not included in total value of each crop for 1994. (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 1994 - 1968

COMMODITIES	1994	1993	1988	1983	1978	1973	1968
AQUACULTURE	\$1,185,000	\$1,311,000	\$3,147,000	----	----	----	----
BEE INDUSTRY	\$5,305,000	\$5,215,000	\$3,521,000	\$3,031,000	\$2,021,000	\$1,595,400	\$289,180
FIELD CROPS	\$245,798,000	\$224,826,000	\$183,339,000	\$156,920,000	\$96,344,000	\$76,936,600	\$39,729,200
FRUIT AND NUTS	\$257,883,000	\$290,211,000	\$199,829,000	\$93,382,000	\$86,243,000	\$69,085,560	\$24,519,840
LIVESTOCK AND POULTRY	\$204,888,000	\$188,970,000	\$234,465,000	\$174,255,000	\$132,959,000	\$83,386,000	\$41,023,800
LIVESTOCK AND POULTRY PRODUCTS	\$359,411,000	\$337,036,000	\$240,497,000	\$215,455,000	\$118,519,000	\$72,020,000	\$34,843,100
NURSERY PRODUCTS	\$14,923,000	\$14,603,000	\$13,248,000	\$8,017,000	\$7,336,000	\$5,720,000	\$1,888,000
OTHER AGRICULTURE	\$8,273,000	\$9,202,000	\$8,731,000	----	----	----	----
SEED CROPS	\$2,035,000	\$1,209,000	\$1,663,000	\$1,381,000	\$2,643,000	\$842,000	\$892,400
VEGETABLE CROPS	\$152,024,000	\$130,049,000	\$84,737,000	\$69,309,000	\$50,828,000	\$32,689,000	\$23,120,700
<b>TOTAL</b>	<b>\$1,251,723,000</b>	<b>\$1,202,632,000</b>	<b>\$973,177,000</b>	<b>\$721,750,000</b>	<b>\$496,893,000</b>	<b>\$344,254,560</b>	<b>\$186,306,220</b>

## TWELVE LEADING FARM COMMODITIES 1994

1. MILK	\$335,841,000	(11)	7. CATTLE	\$45,226,000	(7)
2. ALMONDS	\$152,100,000	(2)	8. SWEET POTATOES	\$43,624,000	(8)
3. CHICKENS	\$124,709,000	(3)	9. GRAPES, WINE	\$28,303,000	(9)
4. COTTON	\$87,075,000	(4)	10. TURKEYS	\$23,467,000	(10)
5. TOMATOES	\$71,174,000	(5)	11. CORN SILAGE	\$23,261,000	(11)
6. ALFALFA	\$62,888,000	(5)	12. CANTALOUPE	\$18,647,000	(14)

(Number in parenthesis denotes 1993 ranking)

# MERCED COUNTY SUSTAINABLE AGRICULTURE BIOLOGICAL CONTROL 1994

PEST	ORGANISM	SCOPE OF PROGRAM *
<b>GRAPELEAF SKELETONIZER</b> <u>Harrisina brillians</u>	<u>Ametadoria misella</u> (Parasitic Fly) <u>WGLS Granulosis</u> (Virus) <u>Apanteles harrisinae</u> (Parasitic Wasp)	Countywide
<b>PUNCTURE VINE</b> <u>Tribulus terrestris</u>	<u>Microlarinus jarenyi</u> (Seed Weevil) <u>Microlarinus lyroriformis</u> (Stem Weevil)	Countywide
<b>MILK THISTLE</b> <u>Silybum marianum</u>	<u>Rhinocyllus conicus</u> (Seed-Head Weevil)	Countywide
<b>ITALIAN THISTLE</b> <u>Carduus tenuiflorus</u>	<u>Rhinocyllus conicus</u> (Seed-Head Weevil)	Limited
<b>YELLOWSTAR THISTLE</b> <u>Centaurea solstitialis</u>	<u>Bangasternus orientalis</u> (Seed-Head Weevil) <u>Urophora sirupaseva</u> (Seed-Head Gall Fly) <u>Eustenopus villosus</u> (Hairy Weevil)	Two Sites One Site One Site
<b>RUSSIAN THISTLE</b> <u>Salsoia iberica</u>	<u>Coleophora klimeschiella</u> (Case Bearing Moth) <u>Coleophora parthenica</u> (Russian Thistle Borer)	Seven Sites
<b>WATER HYACINTH</b> <u>Eichornia crassipes</u>	<u>Sameodes albiquittalis</u> (Hyacinth Moth) <u>Neochetina eichorniae</u> (Mottled Hyacinth Weevil)	Six Sites
<b>ASH WHITEFLY</b> <u>Siphoninus phillyrea</u>	<u>Encarsia partenonea</u> (Parasitic Wasp)	Countywide
<b>KLAMATH WEED</b> <u>Hypericum perforatum</u>	<u>Chrysolina quadrigemina</u> (Leaf Feeding Beetle)	Two Sites

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

## MERCED COUNTY SUSTAINABLE AGRICULTURE PEST EXCLUSION 1994

PEST INTERCEPTED	SOURCE	SCOPE OF PROGRAM
Water Spinach Seed/Noxious Weed	Ethnic Market/Hong Kong	1 Rejection/Destroyed
Unknown Bean Weevil	Ethnic Market/Thailand	2 Rejections/Destroyed
Gypsy Moth Eggs	Boat/Maine	1 Rejection/Destroyed
Quackgrass (Noxious Weed)	Nursery Stock/Oregon	1 Rejection/Released After ID
Plum Curculio/Blueberry Maggot	Apples/Michigan	1 Rejection/Destroyed
European Corn Borer	Hollyhock/UPS	1 Rejection/Destroyed

## MERCED COUNTY SUSTAINABLE AGRICULTURE ORGANIC FARMING 1994

CROP	NUMBER OF FARMS	ACRES
SWEET POTATOES	6	487
ALMONDS	11	420
GRAPES	1	25
PLUMS	1	8
PEACHES	2	14
ASIAN PEARS	1	3
POPCORN	1	50
WALNUTS *	1	4
PERSIMMONS *	1	1
PISTACHIOS	1	94
PEARS	1	10

\* Non-Certified Programs.