



237

1990

MADERA COUNTY

Agricultural Crop Report

Madera County Department Of Agriculture

332 Madera Avenue Madera, California 93637

Henry J. Voss, Director
California Department of Food and Agriculture
and

The honorable Board of Supervisors
County of Madera

In accordance with section 2279 of the California Food and Agricultural Code, I am pleased to submit the 1990 crop report for Madera County.

The total value is \$526,321,000, an increase of approximately forty eight million dollars or ten percent. Thirty Four crops made the million dollar list. The top ten are: Raisin Grapes; Wine Grapes; Almonds; Cotton Lint; Market Milk; Pistachios; Turkeys; Alfalfa Hay; Oranges; and Cattle & Calves.

Fruit and Nut crops showed the largest increase. Leading gainers were Pistachios, Oranges and Apples. Raisin Grapes dropped significantly due to lower production. Vegetable crops were up significantly due to increased plantings of a variety of miscellaneous vegetables. Cotton and Wheat led the increase in the field crops. Other categories posting increases were: Timber Products; Nursery Products; Seed Crops; and Apiary. Declining categories were Livestock & Poultry and Livestock & Poultry Products.

It must be noted that these are gross figures and do not indicate net income to producers. Figures shown do not reflect on any individual operation since the whole county is the smallest unit measured for any particular commodity.

Legislation enacted last year requires the reporting of sustainable agriculture activities within the county. This information is included for the first time in this report.

I sincerely appreciate the efforts of my staff, the staff of the U.C. Cooperative Extension Service and the many individuals who contributed to the preparation of this report. Special thanks go to Scott Porteous who compiled the report and to Lore Whatley who was responsible for set up and typing.

Respectfully Submitted,



Donald O. Cripe
Agricultural Commissioner

About the Cover:

Dairy Products first appeared in the crop report in 1941; however local sources indicate that commercial production began in the county around 1920, possibly earlier. Since 1941 Milk has been in the list of top ten crops every year. For the majority of years it was in the top five. The community of Dairyland southwest of Chowchilla was named because of the dairies in the area.

ANNUAL CROP REPORT 1990
MADERA COUNTY

Compiled By:

Scott Porteous

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley, Irrigated	1990	3,600	2.00	7,200	Ton	\$120.00	\$ 864,000
	1989	3,800	1.84	6,992	"	115.00	804,000
Beans, Dry <u>a/</u>	1990	3,800	1.10	4,180	"	594.00	2,483,000
	1989	3,700	.91	3,367	"	535.00	1,801,000
Corn, Field	1990	8,150	4.41	35,942	"	135.00	4,852,000
	1989	9,500	4.42	41,990	"	138.00	5,795,000
Corn, Silage	1990	4,000	26.00	104,000	"	18.00	1,872,000
	1989	4,500	26.10	117,450	"	18.00	2,114,000
Silage, Other <u>b/</u>	1990	1,800	14.00	25,200	"	16.00	403,000
	1989	1,800	14.70	26,460	"	17.50	463,000
Cotton, Lint	1990	45,500	1180 <u>c/</u>	107,380	Bales	.76 <u>d/</u>	40,804,000
	1989	42,500	1167 <u>c/</u>	99,794	"	.71 <u>d/</u>	35,214,000
Cotton, Seed	1990	xx	xx	42,952	Ton	165.00	7,087,000
	1989	xx	xx	40,916	"	144.00	5,892,000
Hay, Alfalfa	1990	32,800	7.30	239,440	"	100.00	23,944,000
	1989	32,500	7.50	243,750	"	98.00	23,888,000
Hay, Grain	1990	2,000	2.80	5,600	"	70.00	392,000
	1989	2,600	2.77	7,202	"	72.00	519,000
Pasture, Irrigated	1990	13,000	xx	xx	Acre	110.00	1,430,000
	1989	14,000	xx	xx	"	125.00	1,750,000
Pasture, Other	1990	400,000	xx	xx	"	7.00	2,800,000
	1989	400,000	xx	xx	"	9.00	3,600,000
Stubble <u>e/</u>	1990	26,000	xx	xx	"	15.00	390,000
	1989	26,000	xx	xx	"	15.50	403,000
Sugar Beets	1990	2,100	32.00	67,200	Ton	37.00	2,486,000
	1989	3,550	30.11	106,890	"	36.60	3,912,000

a/ Includes Black-eyes, Kidneys and Limas

b/ Includes Alfalfa, Oats & Winter Forage

c/ Pounds

d/ Per Pound

e/ Includes Alfalfa, Corn & Grain

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Wheat	1990	26,000	2.77	72,020	Ton	\$117.00	\$ 8,426,000
	1989	18,000	2.76	49,680	"	124.00	6,160,000
Misc. <u>a/</u>	1990	7,500	xx	xx		xx	1,053,000
	1989	8,540	xx	xx		xx	890,000
TOTAL	1990	576,250					\$99,286,000
	1989	570,990					93,205,000

SEED CROPS: ACREAGE, PRODUCTION AND VALUE, 1989-1990

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Misc. Seed <u>b/</u>	1990	2,780	xx	xx		xx	\$ 1,015,000
	1989	950	xx	5,075,000	Pound	xx	434,000

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Vegetables <u>c/</u>	1990	4,000	xx	xx	xx	xx	\$12,013,000
	1989	1,523	xx	xx	xx	xx	2,186,000

a/ Includes dryland grains, oats, rice, sorghum & safflower

b/ Includes barley, beans, carrots, cotton, oats, & wheat

c/ Includes broccoli, carrots, all cabbage, cucumbers, garlic, onions, all melons, all peppers, pumpkins, all squash, all tomatoes and miscellaneous truck crops

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION AND VALUE, 1989-1990

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds <u>a/</u>	1990	39,659	.70	27,761	Ton	\$ 1,780.00	\$ 49,415,000
	1989	34,323	.66	22,653	"	2,200.00	49,837,000
Almond Hulls	1990	xx	xx	55,522	"	70.00	3,887,000
	1989	xx	xx	45,986	"	68.00	3,127,000
Apples <u>b/</u>	1990	1,900	11.00	20,900	"	580.00	12,122,000
	1989	927	10.75	9,965	"	585.00	5,830,000
Figs	1990	6,503	1.10	7,153	"	1,100.00	7,868,000
	1989	6,610	1.09	7,205	"	1,115.00	8,034,000
Grapes, Raisin	1990	40,513	xx	xx	"	xx	75,902,000
	1989	41,603	xx	xx	"	xx	80,437,000
Dried	1990	25,000	2.00	50,000	"	895.00	44,750,000
	1989	24,960	2.20	54,912	"	850.00	46,675,000
Crushed	1990	12,213	8.50	103,811	"	125.00	12,976,000
	1989	13,343	9.50	126,759	"	130.00	16,479,000
Fresh	1990	3,300	6.80	22,440	"	810.00	18,176,000
	1989	3,300	7.03	23,199	"	745.00	17,283,000
Grapes, Table	1990	2,388	6.90	16,477	"	825.00	13,594,000
	1989	2,271	7.64	17,350	"	775.00	13,446,000
Grapes, Wine <u>c/</u>	1990	37,313	xx	xx	"	xx	54,513,000
	1989	37,565	xx	xx	"	xx	51,701,000
Red Varieties	1990	12,816	8.70	111,499	"	180.00	20,070,000
	1989	12,385	8.71	107,873	"	175.00	18,878,000
White Varieties	1990	24,497	9.50	232,722	"	148.00	34,443,000
	1989	25,180	8.99	226,368	"	145.00	32,823,000
Nectarines	1990	765	7.20	5,508	"	600.00	3,305,000
	1989	765	8.30	6,350	"	523.00	3,321,000
Olives	1990	1,792	4.45	7,974	"	580.00	4,625,000
	1989	1,732	4.40	7,621	"	610.00	4,649,000

a/ Meat Basis

b/ Total production & value includes apples harvested from non-bearing acreage

c/ Includes table grapes crushed

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION AND VALUE, 1989-1990

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Oranges	1990	3,833	13.70	52,512	Ton	\$ 395.00	\$ 20,742,000
	1989	3,833	9.81	37,602	"	335.00	12,597,000
Peach, Free	1990	1,313	7.00	9,191	"	750.00	6,893,000
	1989	1,368	9.90	13,543	"	540.00	7,313,000
Pistachios <u>a/</u>	1990	16,544	.90	14,890	"	2,200.00	32,758,000
	1989	15,794	.21	3,317	"	3,800.00	12,605,000
Plums	1990	1,201	5.45	6,545	"	830.00	5,432,000
	1989	1,201	5.95	7,146	"	780.00	5,574,000
Walnuts	1990	1,698	1.47	2,496	"	1,060.00	2,646,000
	1989	1,581	1.50	2,371	"	945.00	2,241,000
Misc. <u>b/</u>	1990	1,876	xx	xx		xx	8,532,000
	1989	2,085	xx	xx		xx	6,744,000
TOTAL	1990	157,298					\$302,234,000
	1989	151,658					267,456,000

APIARY PRODUCTS: PRODUCTION AND VALUE, 1989-1990

ITEM	YEAR	PRODUCTION TOTAL	UNIT	VALUE	
				PER UNIT	TOTAL
Honey	1990	495,000	Pound	.50	\$ 248,000
	1989	490,000	"	.54	265,000
Pollination	1990	104,000	Colony	31.00	3,224,000
	1989	102,900	"	28.00	2,881,000
TOTAL	1990				\$ 3,472,000
	1989				3,154,000

a/ Total production & value includes pistachios harvested from non-bearing acreage

b/ Includes apricots, cling peaches, kiwis, lemons, pecans, prunes, tangerines, tangelos, persimmons & pomegranates

JANUARY 1, INVENTORIES OF LIVESTOCK ESTIMATED IN NUMBER OF HEAD

	<u>JANUARY 1, 1990</u>	<u>JANUARY 1, 1991</u>
Cattle & Calves	101,000	102,000
Beef Cows	12,200	13,300
Milk Cows	20,700	21,200
Stock Sheep	14,900	14,000
Hogs	1,700	1,000

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1989-1990

ITEM	YEAR	NO. OF HEAD	TOTAL LIVEWEIGHT	UNIT	VALUE	
					PER UNIT	TOTAL
Cattle & Calves	1990	43,000	268,750	CWT.	\$ 71.00	\$19,081,000
	1989	42,740	281,657	"	70.10	19,744,000
Hogs	1990	2,000	4,500	"	58.40	263,000
	1989	1,800	4,230	"	46.30	196,000
Horses	1990	no longer reported				
	1989	2,650	xx	Each	750.00	1,988,000
Sheep & Lambs	1990	24,100	26,510	CWT.	59.60	1,580,000
	1989	25,500	28,815	"	69.50	2,003,000
All Chickens	1990	1,171,000	5,562,000	Pound	.315	1,752,000
	1989	1,115,000	5,853,000	"	.345	2,019,000
Turkeys	1990	3,380,000	70,980,000	"	.380	26,972,000
	1989	3,850,200	80,853,000	"	.389	31,452,000
TOTAL	1990					\$49,648,000
	1989					57,402,000

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE, 1989-1990

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
Milk, Market	1990	3,271,211	CWT.	\$11.95	\$39,104,000
	* 1989	3,299,607	"	12.34	39,853,000
Milk, Manufacturing	1990	56,662	"	10.83	614,000
	* 1989	51,096	"	11.95	593,000
Wool	1990	220,800	Pound	.78	172,000
	1989	155,600	"	1.15	179,000
Other Livestock & Poultry Products <u>a/</u>	1990	xx		xx	1,039,000
	1989	xx		xx	1,400,000
TOTAL	1990				\$40,929,000
	* 1989				42,025,000

NURSERY PRODUCTS: ACREAGE AND VALUE, 1989-1990

ITEM	YEAR	FIELD ACRES	TOTAL VALUE
Nursery Stock <u>b/</u>	1990	260	\$ 6,200,000
	1989	170	5,107,000

FOREST PRODUCTS: PRODUCTION AND VALUE, 1989-1990

ITEM	YEAR	PRODUCTION	UNIT	TOTAL VALUE
Timber	1990	79,800	MBF	\$11,524,000
	1989	62,100	"	6,633,000

a/ Includes market eggs & fertilizer

b/ Includes citrus, figs, grapevines, pistachios, Christmas trees, vegetables and ornamentals

* Revised

AGRICULTURAL CROP REPORT RECAPITULATION 1989-1990

ITEM	YEAR	HARVESTED ACREAGE	VALUE
Apiary	1990		\$ 3,472,000
	1989		3,154,000
Field Crops	1990	576,250	99,286,000
	1989	570,990	93,205,000
Fruit & Nut Crops	1990	157,322	302,234,000
	* 1989	151,658	267,456,000
Livestock & Poultry	1990		49,648,000
	1989		57,402,000
Livestock & Poultry Products	1990		40,929,000
	* 1989		42,025,000
Nursery Products	1990	260	6,200,000
	1989	170	5,107,000
Seed Crops	1990	2,780	1,015,000
	1989	950	434,000
Timber Products	1990	79,800 MBF	11,524,000
	1989	62,100 MBF	6,633,000
Vegetable Crops	1990	4,000	12,013,000
	1989	1,523	2,186,000
TOTAL	1990		\$526,321,000
	* 1989		477,602,000

COMPARISON OF AGRICULTURAL VALUES

1990	\$526,321,000	* 1983	\$299,343,000
* 1989	477,602,000	* 1982	331,470,000
* 1988	449,690,000	* 1981	349,605,000
* 1987	430,345,000	* 1980	396,928,000
* 1986	373,248,000	* 1970	91,057,000
* 1985	333,799,000	* 1960	70,184,000
* 1984	331,138,000	* 1950	56,941,000
		* 1940	12,734,000

* Revised

"MILLION DOLLAR CROPS"

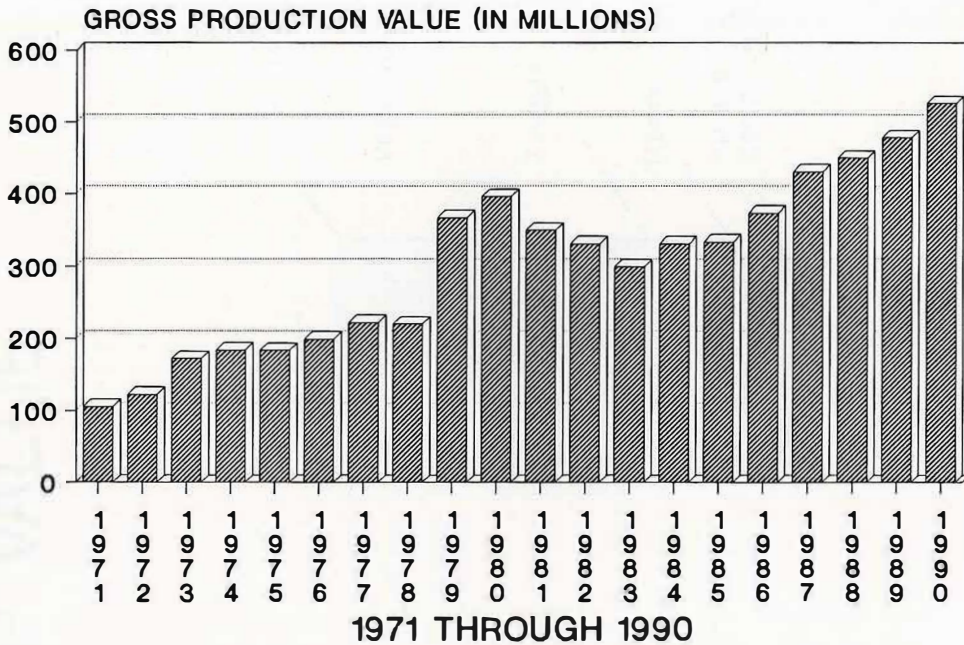
<u>CROP</u>	<u>1990 RANK</u>	<u>1990 STANDINGS</u>	<u>1989 RANK</u>
Grapes, Raisin	1	\$75,902,000	1
Grapes, Wine	2	54,513,000	2
Almonds	3	49,415,000	3
Cotton, Lint	4	40,804,000	5
Milk, Market	5	39,104,000	4
Pistachios	6	32,758,000	10
Turkeys	7	26,972,000	6
Hay, Alfalfa	8	23,944,000	7
Oranges	9	20,742,000	11
Cattle and Calves	10	19,081,000	8
Grapes, Table	11	13,594,000	9
Apples	12	12,122,000	17
Vegetables	13	12,013,000	28
Timber	14	11,524,000	14
Wheat	15	8,426,000	15
Figs	16	7,868,000	12
Cotton, Seed	17	7,087,000	16
Peach, Free	18	6,893,000	13
Nursery Stock	19	6,200,000	20
Plums	20	5,432,000	19
Corn, Field	21	4,852,000	18
Olives	22	4,625,000	21
Almond Hulls	23	3,887,000	25
Apiary/Pollination	24	3,472,000	26
Nectarines	25	3,305,000	24
Pasture, Other	26	2,800,000	23
Walnuts	27	2,646,000	27
Sugar Beets	28	2,486,000	22
Beans, Dry	29	2,483,000	33
Corn, Silage	30	1,872,000	29
All Chickens	31	1,752,000	30
Sheep and Lambs	32	1,580,000	31
Pasture, Irrigated	33	1,430,000	34
Seed Crops	34	1,015,000	--

PERMANENT CROP ACREAGES

CROP	1960	1970	1980	1989	1990		
					Bearing Acres	Non-Bearing	Total Acres
Almonds	1,869	10,545	25,261	40,323	39,659	1,006	40,665
Apples	132	52	192	1,999	1,900	104	2,004
Apricots	50	62	76	160	156	4	160
Citrus:							
Lemons	--	52	96	92	92	--	92
Oranges	117	3,077	3,680	3,902	3,833	189	4,022
* Tangerines	--	233	356	315	316	--	316
TOTAL CITRUS	117	3,362	4,132	4,309	4,241	189	4,430
Figs	2,264	2,865	6,592	6,650	6,503	--	6,503
Grapes:							
Raisin	22,811	28,240	34,996	42,211	40,513	1,389	41,902
Table	465	511	849	2,471	2,388	90	2,478
Wine, Red	3,513	6,654	14,372	13,155	12,816	1,147	13,963
Wine, White	731	1,923	16,807	25,248	24,497	136	24,633
TOTAL GRAPES	27,520	37,328	67,024	83,085	80,214	2,762	82,976
Kiwis	--	--	55	208	208	--	208
Nectarines	232	185	481	785	765	20	785
Olives	527	785	2,176	1,792	1,792	--	1,792
Peaches:							
Clingstone	1,177	1,401	566	478	247	254	501
Freestone	1,953	1,257	1,290	1,518	1,313	--	1,313
TOTAL PEACHES	3,130	2,658	1,856	1,996	1,560	254	1,814
Pecans	2	17	130	127	97	1	98
Persimmons	2	18	--	6	6	2	8
Pistachios	--	2,314	10,973	17,144	16,544	518	17,062
Plums	280	430	972	1,286	1,201	85	1,286
Pomegranates	2	4	405	58	59	--	59
Prunes	--	--	445	735	695	40	735
Walnuts	789	1,133	1,599	2,018	1,698	247	1,945
TOTAL PLANTED ACRES	40,046	61,758	122,463	162,681	157,298	5,232	162,530

* Includes Tangerines, Mandarins & Tangelos

GROWTH IN MADERA COUNTY AGRICULTURE OVER A TWENTY YEAR SPAN



MADERA COUNTY ANNUAL SUSTAINABLE AGRICULTURAL REPORT COUNTY BIOLOGICAL CONTROL

PEST	AGENT/MECHANISM	PROGRAM SCOPE
<u>Yellow Star Thistle</u> <u>Centaurea solstitialis</u>	<u>Seed Head Weevil</u> <u>Bangasternus orientalis</u>	2 sites
<u>Puncture Vine</u> <u>Tribulus maruanum</u>	<u>Seed & Stem Weevil</u> <u>Microlarinus lareynii</u> <u>Microlarinus lypriiformis</u>	2 sites
<u>Klamath Weed</u> <u>Hypericum perforatum</u>	<u>Klamath Weed Beetle</u> <u>Chrysolina quadrigemina</u>	1 site

COUNTY PEST ERADICATION

<u>Pink Bollworm</u> <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	45,500 acres
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ORGANIC FARMING STATISTICS

CROP	NUMBER OF FARMS	ESTIMATED ACRES
Grapes	5	770

MADERA COUNTY 1990 TOTAL CROP VALUE

