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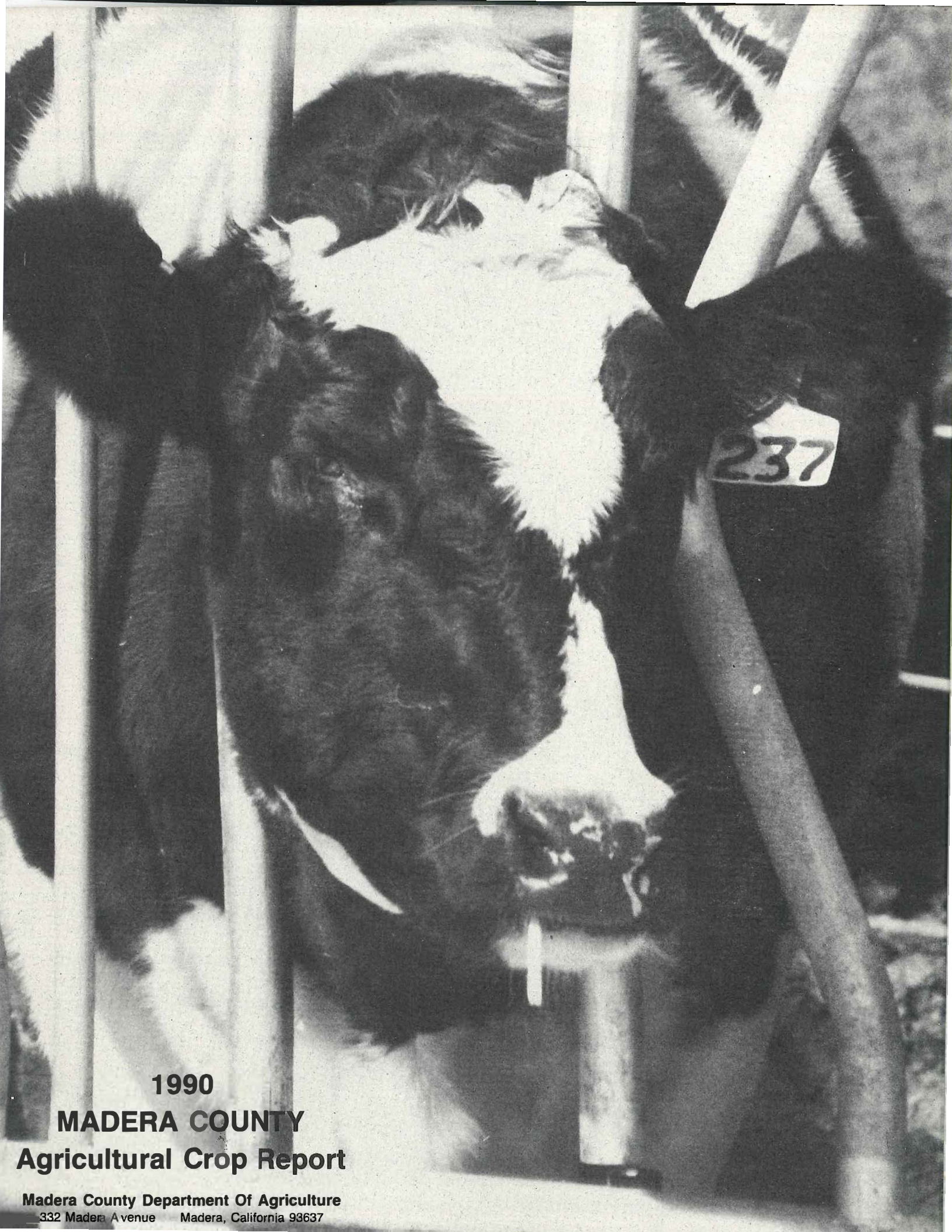
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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Madera County

1990-1994



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

Board of Supervisors

Rick Jensen, chairman	District 1
Alfred Ginsburg	District 2
Gail Hanhart McIntyre	District 3
Jess Lopez	District 4
Harry H. Baker Jr.	District 5

Acting County Administrative Officer

Stell Manfredi

Madera County Department of Agriculture Staff

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Carolyn Lincoln, Ag/Standards Inspector III
Carol Massetti, Ag Inspector III
Scott G. Porteous, Ag/Standards Inspector II
Garen A. Goodreau, Ag/Standards Inspector II
Bruce E. Derry, Ag/Standards Inspector I

Lore Whatley, Department Secretary
Frances Speelmon, Office Assistant
Tammy Dodson, Office Assistant
Debbie DeWall, Office Assistant

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	PER UNIT	VALUE
			PER ACRE	TOTAL			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"

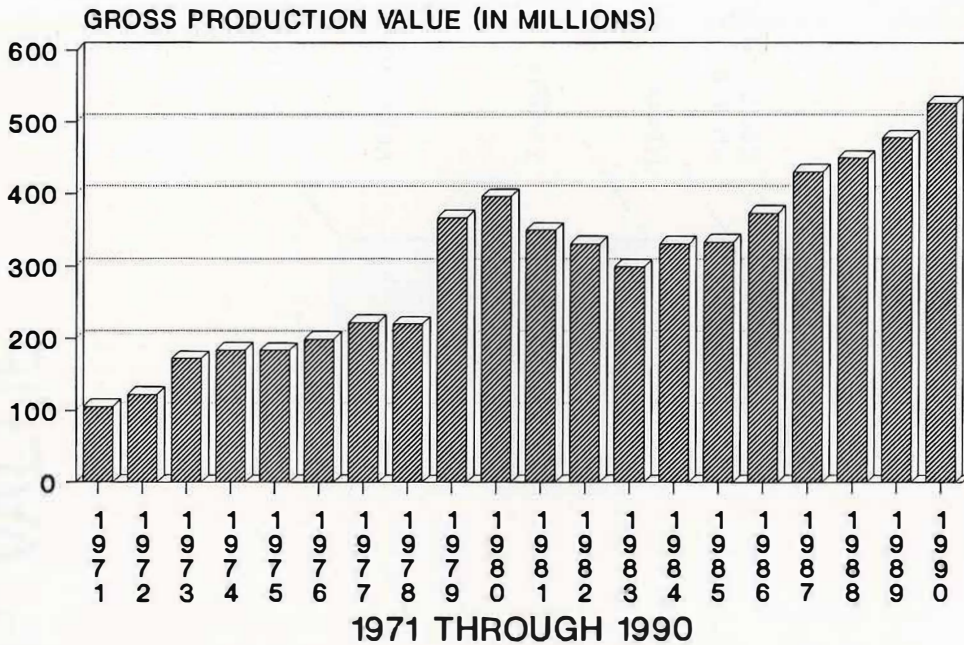
<u>CROP</u>	<u>1990 RANK</u>	<u>1990 STANDINGS</u>	<u>1989 RANK</u>
Grapes, Raisin	1	\$75,902,000	1
Grapes, Wine	2	54,513,000	2
Almonds	3	49,415,000	3
Cotton, Lint	4	40,804,000	5
Milk, Market	5	39,104,000	4
Pistachios	6	32,758,000	10
Turkeys	7	26,972,000	6
Hay, Alfalfa	8	23,944,000	7
Oranges	9	20,742,000	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

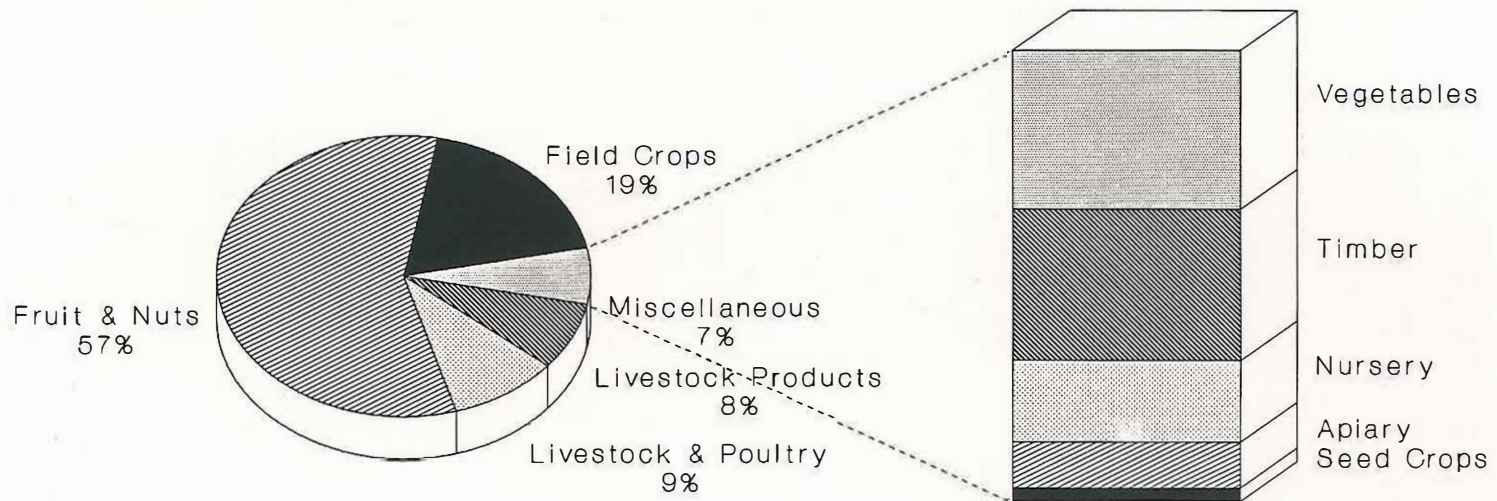
COUNTY PEST ERADICATION

<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





AGRICULTURAL CROP REPORT

MADERA COUNTY — 1991 —

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, the 1991 Madera County Crop Report is hereby submitted.

The total value is \$482,250,000. This is approximately 44 million dollars less than 1990; a decrease of over 8 percent. Vegetables went against the trend with acreage and total value both increasing significantly. Seed crops held virtually even in value although acreage decreased. All other categories declined with Fruit and Nut crops showing the greatest loss. Other sizeable decreases occurred in Timber Products, Livestock, Poultry, and Field Crops. Oranges lost nearly 19 million dollars from the freeze while other citrus crops and olives also suffered. The drought affected a number of field crops resulting in lower acreage and values.

Please note 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.

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 Scott Porteous who compiled the report.

Respectfully Submitted,



Donald O. Cripe
Agricultural Commissioner

About the Cover

Located about four miles south of Madera where Cottonwood Creek and Highway 145 cross lies the ranch called "Refuge". Purchased in 1880 by George Washington Mordecai from his wife's family, the ranch continues under ownership of Mr. Mordecai's heirs. Featured on the cover are the tank house and dairy house built in the late 1800's. The dairy house has walls over one foot thick filled with sawdust. The interior still remains quite cool even on warm days. The bell which called the hands to dinner was installed in the early 1900's.

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MADERA COUNTY

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley, Irrigated	1991	2,000	1.90	3,800	Ton	\$115.00	\$ 437,000
	1990	3,600	2.00	7,200	"	120.00	864,000
Beans, Dry a/	1991	2,000	.95	1,900	"	535.00	1,017,000
	1990	3,800	1.10	4,180	"	594.00	2,483,000
Corn, Field	1991	7,400	4.30	31,820	"	138.00	4,391,000
	1990	8,150	4.41	35,942	"	135.00	4,852,000
Corn, Silage	1991	3,800	26.10	99,180	"	18.00	1,785,000
	1990	4,000	26.00	104,000	"	18.00	1,872,000
Silage, Other b/	1991	1,800	14.70	26,460	"	17.50	463,000
	1990	1,800	14.00	25,200	"	16.00	403,000
Cotton, Lint	1991	51,100	1172 c/	119,778	Bales	.73 d/	43,719,000
	1990	45,500	1180 c/	107,380	"	.76 d/	40,804,000
Cotton, Seed	1991	xx	xx	48,200	Ton	140.00	6,748,000
	1990	xx	xx	42,952	"	165.00	7,087,000
Hay, Alfalfa	1991	32,500	7.50	243,750	"	85.00	20,719,000
	1990	32,800	7.30	239,440	"	100.00	23,944,000
Hay, Grain	1991	2,600	2.77	7,202	"	72.00	519,000
	1990	2,000	2.80	5,600	"	70.00	392,000
Pasture, Irrigated	1991	14,000	xx	xx	Acre	125.00	1,750,000
	1990	13,000	xx	xx	"	110.00	1,430,000
Pasture, Other	1991	400,000	xx	xx	"	6.00	2,400,000
	1990	400,000	xx	xx	"	7.00	2,800,000
Stubble e/	1991	26,000	xx	xx	"	15.50	403,000
	1990	26,000	xx	xx	"	15.00	390,000
Sugar Beets	1991	902	36.90	33,284	Ton	34.60	1,154,000
	1990	2,100	32.00	67,200	"	37.00	2,486,000

- a/ Includes Black-eyes, Kidneys, and Limas
b/ Includes Alfalfa, Oats, and Winter Forage
c/ Pounds
d/ Per Pound
e/ Includes Alfalfa, Corn, and Grain

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Wheat	1991	17,500	2.70	47,250	Tons	\$124.00	\$5,859,000
	1990	26,000	2.77	72,020	"	117.00	8,426,000
Misc. a/	1991	8,540	xx	xx		xx	1,704,000
	1990	7,500	xx	xx		xx	1,053,000
TOTAL	1991	570,142					\$93,068,000
	1990	576,250					99,286,000

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Misc. Seed b/	1991	2,550			POUND		1,026,000
	1990	2,780			POUND		1,015,000

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Vegetables c/	1991	5,372	xx	xx	xx	xx	16,024,000
	1990	4,000	xx	xx	xx	xx	12,013,000

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

b/ Includes barley, beans, carrots, cotton, oats and 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, 1990-1991

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds a/	1991	38,000	.69	26,220	TON	\$2,290	\$60,044,000
	1990	39,659	.70	27,761	"	1,780	49,415,000
Almond Hulls	1991	xx	xx	52,440	"	63	3,304,000
	1990	xx	xx	55,522	"	70	3,887,000
Apples b/	1991	2,100	11.40	23,940	"	530	12,688,000
	1990	1,900	11.00	20,900	"	580	12,122,000
Figs	1991	6,331	1.50	9,497	"	1,200	11,396,000
	1990	6,503	1.10	7,153	"	1,100	7,868,000
Grapes, Raisin	1991	40,515	xx	xx	"	xx	84,843,000
	1990	40,513	xx	xx	"	xx	75,902,000
Dried	1991	24,958	2.10	52,412	"	975	51,102,000
	1990	25,000	2.00	50,000	"	895	44,750,000
Crushed	1991	12,337	9.50	117,202	"	144	16,877,000
	1990	12,213	8.50	103,811	"	125	12,976,000
Fresh	1991	3,220	7.03	22,637	"	745	16,864,000
	1990	3,300	6.80	22,440	"	810	18,176,000
Grapes, Table	1991	2,386	5.75	13,720	"	775	10,633,000
	1990	2,388	6.90	16,477	"	825	13,594,000
Grapes, Wine c/	1991	37,470	xx	xx	"	xx	53,023,000
	1990	37,313	xx	xx	"	xx	54,513,000
Red Varieties	1991	13,106	8.71	114,153	"	169	19,292,000
	1990	12,816	8.70	111,499	"	180	20,070,000
White Varieties	1991	24,364	8.99	219,032	"	154	33,731,000
	1990	24,497	9.50	232,722	"	148	34,443,000
Nectarines	1991	787	6.70	5,273	"	588	3,100,000
	1990	765	7.20	5,508	"	600	3,305,000
Olives	1991	1,984	2.80	5,555	"	688	3,822,000
	1990	1,792	4.45	7,974	"	580	4,625,000

a/ Meat Basis

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

c/ Includes table grapes crushed

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Oranges	1991	4,148	.90	3,733	TON	\$ 477	\$ 1,781,00
	1990	3,833	13.70	52,512	"	395	20,742,000
Peach, Free	1991	1,249	8.50	10,617	"	540	5,733,000
	1990	1,313	7.00	9,191	"	750	6,893,000
Pistachios a/	1991	16,644	.42	6,990	"	2,640	18,455,000
	1990	16,544	.90	14,890	"	2,200	32,758,000
Plums	1991	1,215	5.33	6,476	"	472	3,057,000
	1990	1,201	5.45	6,545	"	830	5,432,000
Walnuts	1991	1,830	1.50	2,371	"	1,100	3,020,000
	1990	1,698	1.47	2,496	"	1,060	2,646,000
Misc. b/	1991	2,262	XX	XX		XX	5,959,000
	1990	1,900	XX	XX		XX	8,532,000
TOTAL	1991	156,921					\$280,858,000
	1990	157,322					302,234,000

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION TOTAL	UNIT	PER UNIT	
Honey	1991	456,000	POUND	.50	\$ 228,00
	1990	495,000	"	.50	248,000
Pollination	1991	96,000	COLONY	30	2,880,000
	1990	104,000	"	31	3,224,000
TOTAL	1991				\$3,108,000
	1990				3,472,000

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

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

JANUARY 1, INVENTORIES OF LIVESTOCK ESTIMATED IN NUMBER OF HEAD

	JANUARY 1, 1991	JANUARY 1, 1992
Cattle & Calves	99,000	96,000
Beef Cows	12,000	11,500
Milk Cows	21,000	22,000
Stock Sheep	14,000	14,000
Hogs	1,000	1,300

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1990-1991

ITEM	YEAR	NO. OF HEAD	TOTAL LIVEWEIGHT	UNIT	PER UNIT	TOTAL
Cattle & Calves	1991	40,000	262,000	CWT.	\$72.00	\$18,864,000
	1990	43,000	281,657	"	71.00	19,081,000
Hogs	1991	1,700	4,250	"	58.40	248,000
	1990	2,000	4,500	"	58.40	263,000
Sheep & Lambs	1991	22,200	24,420	"	60.10	1,468,000
	1990	24,100	26,510	"	59.60	1,580,000
All Chickens	1991	626,000	2,818,000	Pound	.309	871,000
	1990	1,171,000	5,562,000	"	.315	1,752,000
Turkeys	1991	2,373,900	51,030,620	"	.385	19,647,000
	1990	3,380,000	70,980,000	"	.380	26,972,000
TOTAL	1991					\$41,098,000
	1990					49,648,000

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE, 1990-1991

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
Milk, Market	1991	3,486,464	CWT.	11.17	\$38,944,000
	*1990	3,270,274	"	11.95	39,080,000
Milk, Manufacturing	1991	44,485	"	10.55	469,000
	*1990	56,646	"	10.83	614,000
Wool	1991	177,600	Pound	.56	99,000
	1990	220,800	"	.78	172,000
Other Livestock & Poultry Products a/	1991	xx		xx	982,000
	1990	xx		xx	1,039,000
TOTAL	1991				\$40,494,000
	*1990				40,905,000

NURSERY PRODUCTS: ACREAGE AND VALUE, 1990-1991

ITEM	YEAR	FIELD ACRES	TOTAL VALUE
Nursery Stock b/	1991	365	\$4,567,000
	1990	260	6,200,000

FOREST PRODUCTS: PRODUCTION AND VALUE, 1990-1991

ITEM	YEAR	PRODUCTION	UNIT	TOTAL VALUE
Timber	1991	34,400	MBF	\$ 2,007,00
	1990	79,800	"	11,524,000

a/ Includes market eggs and fertilizer

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

* Revised

AGRICULTURAL CROP REPORT RECAPITULATION 1990-1991

ITEM	YEAR	HARVESTED ACREAGE	VALUE
Apiary	1991		\$ 3,108,000
	1990		3,472,000
Field Crops	1991	570,142	93,068,000
	1990	576,250	99,286,000
Fruit & Nut Crops	1991	156,921	280,858,000
	1990	157,322	302,234,000
Livestock & Poultry	1991		41,098,000
	1990		49,648,000
Livestock & Poultry Products	1991		40,494,000
	* 1990		40,905,000
Nursery	1991	365	4,567,000
	1990	260	6,200,000
Seed Crops	1991	2,550	1,026,000
	1990	2,780	1,015,000
Timber Products	1991	34,400 MBF	2,007,000
	1990	79,000 MBF	11,524,000
Vegetable Crops	1991	5,372	16,024,000
	1990	4,000	12,013,000
TOTAL	1991		\$482,250,000
	* 1990		526,297,000

COMPARISON OF AGRICULTURAL VALUES

1991	\$482,250,000	* 1984	\$331,138,000
* 1990	526,297,000	* 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
		* 1950	56,941,000
		* 1940	12,734,000

* Revised

"MILLION DOLLAR CROPS"

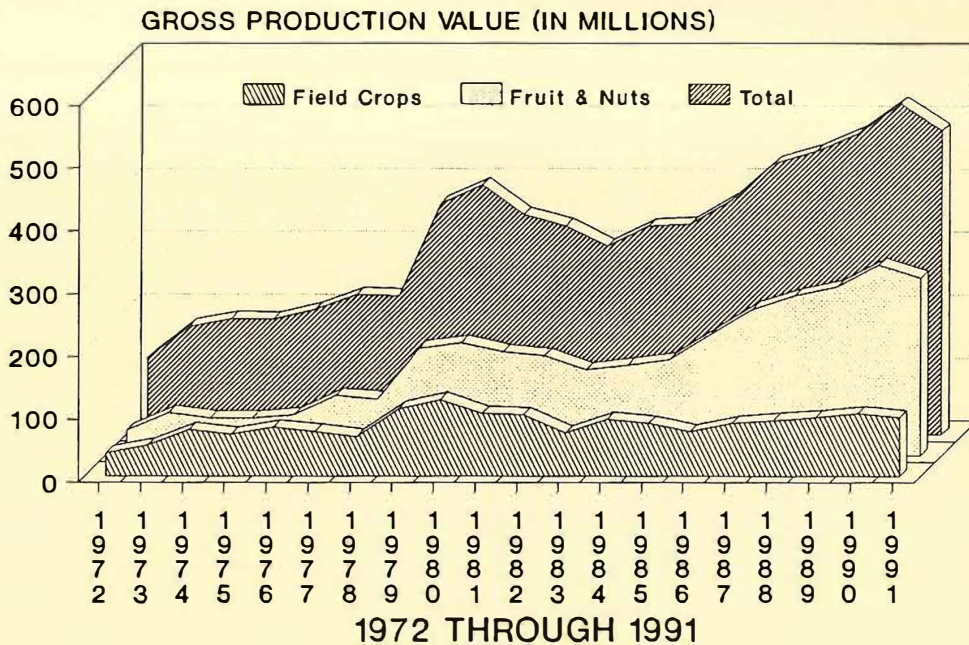
CROP	1991 RANK	1991 STANDINGS	1990 RANK
Grapes, Raisin	1	\$84,843,000	1
Almonds	2	60,044,000	3
Grapes, Wine	3	53,023,000	2
Cotton, Lint	4	43,719,000	4
Milk, Market	5	38,944,000	5
Hay, Alfalfa	6	20,719,000	8
Turkeys	7	19,647,000	7
Cattle and Calves	8	18,864,000	10
Pistachios	9	18,455,000	6
Vegetables	10	16,024,000	13
Apples	11	12,688,000	12
Figs	12	11,396,000	16
Grapes, Table	13	10,633,000	11
Cotton, Seed	14	6,748,000	17
Wheat	15	5,859,000	15
Peach, Free	16	5,733,000	18
Nursery Stock	17	4,567,000	19
Corn, Field	18	4,391,000	21
Olives	19	3,822,000	22
Almond Hulls	20	3,304,000	23
Apiary/Pollination	21	3,108,000	24
Nectarines	22	3,100,000	25
Plums	23	3,057,000	20
Walnuts	24	3,020,000	27
Pasture, Other	25	2,400,000	26
Timber	26	2,007,000	14
Corn, Silage	27	1,785,000	30
Oranges	28	1,781,000	9
Pasture, Irrigated	29	1,750,000	33
Sheep and Lambs	30	1,468,000	32
Sugar Beets	31	1,154,000	28
Seed Crops	32	1,026,000	34
Beans, Dry	33	1,017,000	29

PERMANENT CROP ACREAGES

CROP	1961	1971	1981	1990	1991		
					Bearing Acres	Non-Bearing	Total Acres
Almonds	2,051	12,257	26,376	40,665	38,000	1,500	39,500
Apples	95	62	192	2,004	2,100	400	2,500
Apricots	47	64	76	160	143	0	143
Cherries	--	--	18	18	18	20	38
Citrus							
Lemons	--	78	96	92	92	0	92
Oranges	194	3,110	3,694	4,022	4,148	186	4,334
* Tangerines	--	308	357	316	384	54	438
TOTAL CITRUS	194	3,496	4,147	4,430	4,624	240	4,864
Figs	2,437	2,866	6,592	6,703	6,331	454	6,785
Grapes:							
Raisin	23,580	28,374	36,609	41,902	40,515	1,380	41,895
Table	431	551	806	2,478	2,386	255	2,641
Wine, Red	3,587	7,727	14,372	13,963	13,106	756	13,862
Wine, White	747	3,471	16,807	24,633	24,364	165	24,529
TOTAL GRAPES	28,345	40,123	68,594	82,976	80,371	2,556	82,927
Kiwis	--	--	55	208	199	0	199
Nectarines	186	170	481	785	787	77	864
Olives	531	1,063	2,176	1,792	1,984	0	1,984
Peaches:							
Clingstone	1,110	1,019	566	501	476	165	641
Freestone	1,893	1,208	1,288	1,313	1,249	61	1,310
TOTAL PEACHES	3,003	2,227	1,854	1,814	1,725	226	1,951
Pears	--	--	--	18	--	18	18
Pecans	3	27	130	98	97	1	98
Persimmons	1	8	5	8	9	2	11
Pistachios	--	4,577	10,827	17,062	16,644	487	17,131
Plums	318	410	883	1,286	1,215	135	1,350
Pomegranates	3	3	420	59	67	0	67
Prunes	--	--	445	735	764	213	977
Walnuts	824	1,518	1,608	1,945	1,830	64	1,894
TOTAL PLANTED ACRES	38,038	68,871	124,879	162,766	156,908	6,393	163,301

* Includes Tangerines, Mandarins, and 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
Yellow Star Thistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 Sites
Puncture Vine <u>Tribulus maruanum</u>	Seed and Stem Weevil <u>Microlarunus lareynii</u> <u>Microlarinus lypriformis</u>	Countywide
Klamath Weed <u>Hypericum perforatum</u>	Klamath Weed Beetle <u>Chrysolina quadrugemina</u>	3 Sites
Ash Whitefly <u>Siphoninus phillyreae</u>	Wasp <u>Encarsia nr. inaron</u>	5 Sites

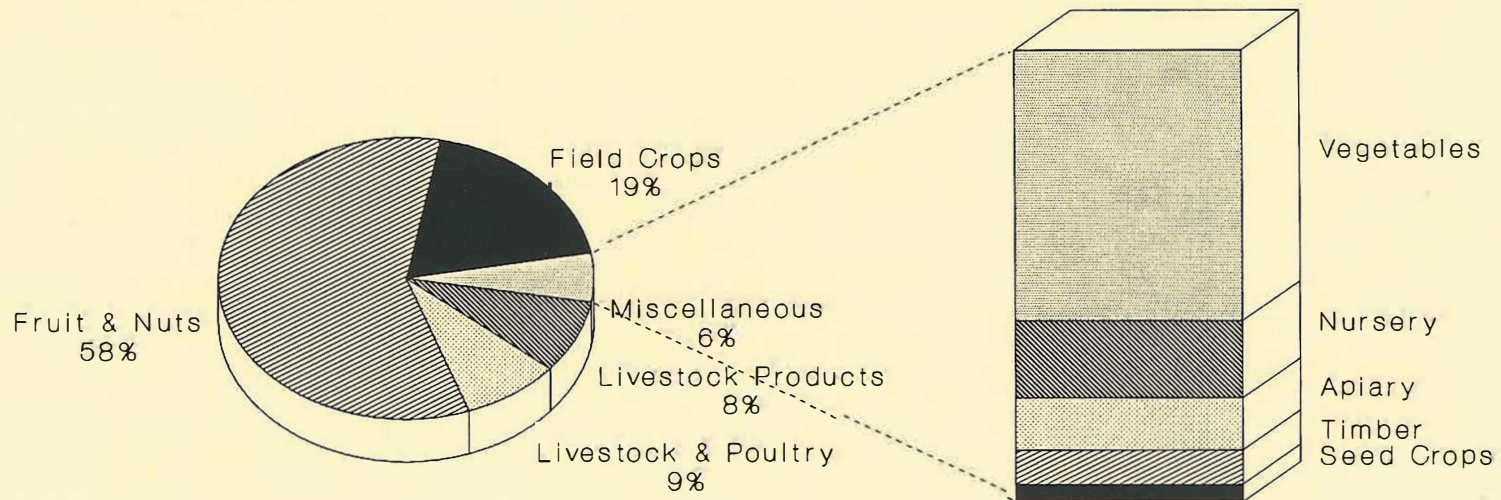
COUNTY PEST ERADICATION

Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	51,100 acres
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ORGANIC FARMING STATISTICS

CROP	NUMBER OF FARMS	ESTIMATED ACRES
Various Crops	14	1240

MADERA COUNTY 1991 TOTAL CROP VALUE



AGRICULTURAL CROP REPORT

MADERA COUNTY — 1992



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

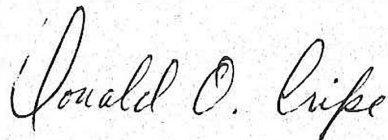
In accordance with section 2279 of the California Food and Agricultural Code, the 1992 Madera County Crop Report is hereby submitted.

The total value is \$607,543,000. This is approximately 123.5 million dollars higher than 1991; an increase of approximately 25.5 percent. While there were some adjustments up and down in all categories, the big increase was in fruit and nut crops, which accounted for over 115 million. Leading gainers in order were wine grapes, pistachios, oranges, almonds, raisin grapes, and olives. Walnuts, apples, and table grapes declined. It should be noted that some crops such as olives and pistachios alternate bear and were on the high cycle. Oranges were recovering from a disastrous freeze which affected the 1991 crop.

Of course, these are gross figures and do not indicate net income to producers. Costs of production and marketing continue to rise and limit net returns; of particular note are water costs and regulatory impact. Figures shown do not reflect on any individual operation since the entire county is the production unit measured for a particular commodity. Averages imply higher and lower numbers in both yields and prices.

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 Scott Porteous who compiled the report.

Respectfully Submitted,



Donald O. Cripe
Agricultural Commissioner

About the Cover

Even though this report is for the 1992 crop year, the cover draws upon the centennial theme to coincide with the year in which the report is presented. The scene depicts early day harvesting by horse and mule powered combine in Madera county.

ANNUAL CROP REPORT 1992
MADERA COUNTY

Compiled By:

Scott Porteous

Board of Supervisors

Rick Jensen	District 1
Alfred Ginsburg	District 2
Gail Hanhart McIntyre, chairwoman	District 3
Jess Lopez	District 4
Harry H. Baker Jr.	District 5

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Stell Manfredi

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley, Irrigated	1992	3,000	1.80	5,400	Ton	\$108.00	\$ 583,000
	1991	2,000	1.90	3,800	"	115.00	437,000
Beans, Dry a/	1992	1,050	1.04	1,092	"	440.00	481,000
	1991	2,000	.95	1,900	"	535.00	1,017,000
Corn, Field	1992	8,200	4.40	36,080	"	117.00	4,221,000
	1991	7,400	4.30	31,820	"	138.00	4,391,000
Corn, Silage	1992	4,000	24.80	99,200	"	17.50	1,736,000
	1991	3,800	26.10	99,180	"	18.00	1,785,000
Silage, Other b/	1992	1,150	12.40	14,260	"	14.00	200,000
	1991	1,800	14.70	26,460	"	17.50	463,000
Cotton, Lint	1992	48,100	1335 c/	128,427	Bales	.69 d/	44,307,000
	1991	51,100	1172 c/	119,778	"	.73 d/	43,719,000
Cotton, Seed	1992	xx	xx	53,500	Ton	140.00	7,493,000
	1991	xx	xx	48,200	"	140.00	6,748,000
Hay, Alfalfa	1992	31,000	7.90	244,900	"	87.00	21,306,000
	1991	32,500	7.50	243,750	"	85.00	20,719,000
Hay, Grain	1992	2,480	2.65	6,572	"	77.00	506,000
	1991	2,600	2.77	7,202	"	72.00	519,000
Pasture, Irrigated	1992	14,000	xx	xx	Acre	120.00	1,680,000
	1991	14,000	xx	xx	"	125.00	1,750,000
Pasture, Other	1992	400,000	xx	xx	"	8.00	3,200,000
	1991	400,000	xx	xx	"	6.00	2,400,000
Stubble e/	1992	25,000	xx	xx	"	15.50	388,000
	1991	26,000	xx	xx	"	15.50	403,000
Sugar Beets	1992	740	34.10	25,234	Ton	33.00	833,000
	1991	902	36.90	33,284	"	34.60	1,154,000

- a/ Includes black-eyes, kidneys, and limas
b/ Includes alfalfa, oats, and winter forage
c/ Pounds
d/ Per pound
e/ Includes alfalfa, corn, and grain

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Wheat	1992	21,500	2.60	55,900	Ton	\$116.00	\$6,484,000
	1991	17,500	2.70	47,250	"	124.00	5,859,000
Misc. a/	1992	6,240	XX	XX	XX	XX	1,140,000
	1991	8,540	XX	XX	XX	XX	1,704,000
TOTAL	1992	566,460					\$94,558,000
	1991	570,142					93,068,000

SEED CROPS, ACREAGE, PRODUCTION, AND VALUE, 1991-1992

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Misc. Seed b/	1992	4,750	XX	XX	XX	XX	\$ 1,669,000
	1991	2,550	XX	XX	XX	XX	1,026,000

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Vegetables c/	1992	6,686	XX	XX	XX	XX	\$13,952,000
	1991	5,372	XX	XX	XX	XX	16,024,000

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

b/ Includes barley, beans, carrots, cotton, oats, and 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, 1991-1992

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds a/	1992	38,258	.84	32,137	Ton	\$2470.00	\$ 79,378,000
	1991	38,000	.69	26,220	"	2290.00	60,044,000
Almond Hulls	1992	xx	xx	64,274	"	56.00	3,599,000
	1991	xx	xx	52,440	"	63.00	3,304,000
Apples b/	1992	2,100	13.10	27,510	"	450.00	12,380,000
	1991	2,100	11.40	23,940	"	530.00	12,688,000
Figs	1992	6,314	1.30	8,208	"	1445.00	11,861,000
	1991	6,331	1.50	9,497	"	1200.00	11,396,000
Grapes, Raisin	1992	41,082	xx	xx	"	xx	93,547,000
	1991	40,515	xx	xx	"	xx	84,843,000
Dried	1992	24,691	2.50	61,728	"	890.00	54,938,000
	1991	24,958	2.10	52,412	"	975.00	51,102,000
Crushed	1992	13,205	10.00	132,050	"	175.00	23,109,000
	1991	12,337	9.50	117,202	"	144.00	16,877,000
Fresh	1992	3,186	6.95	22,143	"	700.00	15,500,000
	1991	3,220	7.03	22,637	"	745.00	16,864,000
Grapes, Table	1992	2,098	7.80	16,364	"	750.00	12,273,000
	*1991	2,386	6.75	16,106	"	775.00	12,482,000
Grapes, Wine c/	1992	38,795	xx	xx	"	xx	82,767,000
	1991	37,470	xx	xx	"	xx	53,023,000
Red Varieties	1992	13,919	9.93	138,216	"	232.00	32,066,000
	1991	13,106	8.71	114,153	"	169.00	19,292,000
White Varieties	1992	24,876	10.14	252,243	"	201.00	50,701,000
	1991	24,364	8.99	219,032	"	154.00	33,731,000
Nectarines	1992	832	10.00	8,320	"	550.00	4,576,000
	1991	787	6.70	5,273	"	588.00	3,100,000
Olives	1992	1,786	7.16	12,788	"	670.00	8,568,000
	1991	1,984	2.80	5,555	"	688.00	3,822,000

a/ Meat basis

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

c/ Includes table grapes crushed

*Revised

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Oranges	1992	4,148	14.60	60,561	Ton	\$ 380.00	\$ 23,013,000
	1991	4,148	.90	3,733	"	477.00	1,781,000
Peach, Free	1992	1,249	9.75	12,178	"	391.00	5,762,000
	1991	1,249	8.50	10,617	"	540.00	5,733,000
Pistachios a/	1992	16,884	1.16	19,585	"	2320.00	45,437,000
	1991	16,644	.42	6,990	"	2640.00	18,455,000
Plums	1992	1,254	6.80	8,527	"	370.00	3,155,000
	1991	1,215	5.33	6,476	"	472.00	3,057,000
Walnuts	1992	1,374	1.40	1,924	"	1200.00	2,308,000
	1991	1,830	1.50	2,745	"	1100.00	3,020,000
Misc. b/	1992	2,280	XX	XX	XX	XX	9,729,000
	1991	2,262	XX	XX	XX	XX	5,959,000
TOTAL	1992	158,454					\$398,353,000
	*1991	156,921					282,707,000

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION TOTAL	UNIT	PER UNIT	TOTAL
Honey	1992	240,000	Pound	\$.55	\$ 132,000
	*1991	240,000	"	.50	120,000
Pollination	1992	96,000	Colony	32.00	3,072,000
	1991	96,000	"	30.00	2,880,000
TOTAL	1992				\$ 3,204,000
	*1991				3,000,000

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

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

* Revised

JANUARY 1, INVENTORIES OF LIVESTOCK ESTIMATED IN NUMBER OF HEAD

	JANUARY 1, 1992	JANUARY 1, 1993
Cattle & Calves	96,000	100,000
Beef Cows	11,500	11,000
Milk Cows	22,000	20,000
Stock Sheep	14,000	11,000
Hogs	1,300	1,600

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1991-1992

ITEM	YEAR	NO. OF HEAD	TOTAL LIVEWEIGHT	UNIT	PER UNIT	TOTAL
Cattle & Calves	1992	44,000	288,200	CWT.	\$74.50	\$21,471,000
	1991	40,000	262,000	"	72.00	18,864,000
Hogs	1992	1,400	3,220	"	47.10	152,000
	1991	1,700	4,250	"	58.40	248,000
Sheep & Lambs	1992	25,400	27,940	"	62.90	1,757,000
	1991	22,200	24,420	"	60.10	1,468,000
All Chickens	1992	1,000,000	5,000,000	Pound	.305	1,525,000
	1991	626,000	2,818,000	"	.309	871,000
Turkeys	1992	2,411,000	48,463,000	"	.351	17,011,000
	1991	2,373,900	51,030,620	"	.385	19,647,000
TOTAL	1992					\$41,916,000
	1991					41,098,000

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE, 1991-1992

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
Milk, Market	1992	3,570,784	CWT.	\$11.61	\$41,457,000
	1991	3,486,464	"	11.17	38,944,000
Milk, Manufacturing	1992	57,990	"	10.94	634,000
	1991	44,485	"	10.55	469,000
Wool	1992	203,200	Pound	.78	159,000
	1991	177,600	"	.56	99,000
Other Livestock & Poultry Products a/	1992	XX		XX	984,000
	1991	XX		XX	982,000
TOTAL	1992				\$43,234,000
	1991				\$40,494,000

NURSERY PRODUCTS: ACREAGE AND VALUE, 1991-1992

ITEM	YEAR	FIELD ACRES	TOTAL VALUE
Nursery Stock b/	1992	360	\$4,294,000
	1991	365	4,567,000

FOREST PRODUCTS: PRODUCTION AND VALUE, 1991-1992

ITEM	YEAR	PRODUCTION	UNIT	TOTAL VALUE
Timber	1992	41,600	MBF	6,363,000
	1991	34,400	"	2,007,000

a/ Includes market eggs and fertilizer

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

* Revised

AGRICULTURAL CROP REPORT RECAPITULATION 1991-1992

ITEM	YEAR	HARVESTED ACREAGE	VALUE
Apiary	1992		\$ 3,204,000
	*1991		3,000,000
Field Crops	1992	566,460	94,558,000
	1991	570,142	93,068,000
Fruit & Nut Crops	1992	158,454	398,353,000
	*1991	156,921	282,707,000
Livestock & Poultry	1992		41,916,000
	1991		41,098,000
Livestock & Poultry Products	1992		43,234,000
	1991		40,494,000
Nursery	1992	360	4,294,000
	1991	365	4,567,000
Seed Crops	1992	4,750	1,669,000
	1991	2,550	1,026,000
Timber Products	1992	41,600 MBF	6,363,000
	1991	34,400 MBF	2,007,000
Vegetable Crops	1992	6,686	13,952,000
	1991	5,372	16,024,000
TOTAL	1992		\$607,543,000
	*1991		483,991,000

COMPARISON OF AGRICULTURAL VALUES

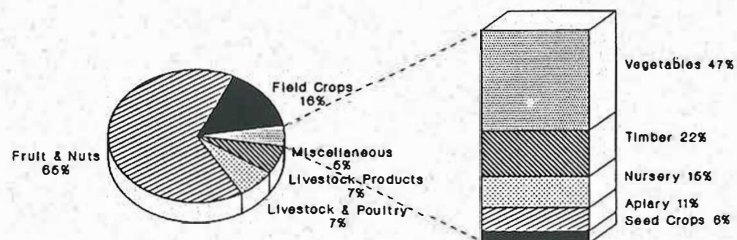
1992	\$607,543,000	* 1985	\$333,799,000
* 1991	483,991,000	* 1984	331,138,000
* 1990	526,297,000	* 1983	299,343,000
* 1989	477,602,000	* 1982	331,470,000
* 1988	449,690,000	* 1972	122,387,000
* 1987	430,345,000	* 1962	73,441,000
* 1986	373,248,000	* 1952	61,636,000
		* 1942	22,909,000
		* 1932	2,850,000

* Revised

MILLION DOLLAR CROPS

CROP	1992 RANK	1992 STANDINGS	1991 RANK
Grapes, Raisin	1	\$93,547,000	1
Grapes, Wine	2	82,767,000	3
Almonds	3	79,378,000	2
Pistachios	4	45,437,000	9
Cotton, Lint	5	44,307,000	4
Milk, Market	6	41,457,000	5
Oranges	7	23,013,000	28
Cattle and Calves	8	21,471,000	8
Hay, Alfalfa	9	21,306,000	6
Turkeys	10	17,011,000	7
Vegetables	11	13,952,000	10
Apples	12	12,380,000	11
Grapes, Table	13	12,273,000	13
Figs	14	11,861,000	12
Olives	15	8,568,000	19
Cotton, Seed	16	7,493,000	14
Wheat	17	6,484,000	15
Timber	18	6,363,000	26
Peach, Free	19	5,762,000	16
Nectarines	20	4,576,000	22
Nursery Stock	21	4,294,000	17
Corn, Field	22	4,221,000	18
Almond Hulls	23	3,599,000	20
Apiary/Pollination	24	3,204,000	21
Pasture, Other	25	3,200,000	25
Plums	26	3,155,000	23
Walnuts	27	2,308,000	24
Sheep and Lambs	28	1,757,000	30
Corn, Silage	29	1,736,000	27
Pasture, Irrigated	30	1,680,000	29
Seed Crops	31	1,669,000	32
Chickens	32	1,525,000	--

MADERA COUNTY 1992
TOTAL CROP VALUE

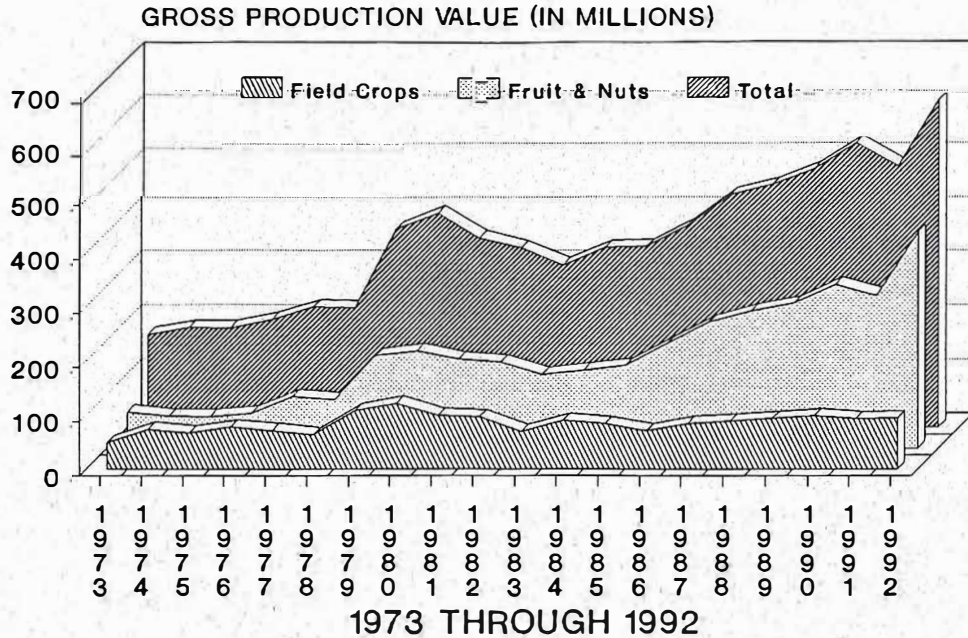


PERMANENT CROP ACREAGES

CROP	1962	1972	1982	1991	1992		
					Bearing Acres	Non-Bearing	Total Acres
Almonds	2,403	13,084	33,795	39,500	38,258	1,358	39,616
Apples	95	69	920	2,500	2,100	400	2,500
Apricots	47	67	76	143	143	0	143
Cherries	18	18	18	38	18	32	50
Citrus							
Lemons	--	92	96	92	82	0	82
Oranges	449	3,399	3,725	4,334	4,148	186	4,334
* Tangerines	--	327	346	438	384	54	438
TOTAL CITRUS	449	3,818	4,167	4,864	4,614	240	4,854
Figs	2,655	2,785	7,400	6,785	6,314	160	6,474
Grapes:							
Raisin	24,350	28,614	41,316	41,895	41,082	850	41,932
Table	431	546	1,291	2,641	2,098	192	2,290
Wine, Red	4,039	11,290	17,414	13,862	13,919	99	14,018
Wine, White	864	6,108	27,648	24,529	24,876	20	24,896
TOTAL GRAPES	29,684	46,558	87,669	82,927	81,975	1,161	83,136
Kiwis	--	--	133	199	199	0	199
Nectarines	149	214	518	864	832	171	1,003
Olives	826	1,298	2,176	1,984	1,786	0	1,786
Peaches:							
Clingstone	1,132	957	568	641	523	165	688
Freestone	1,845	1,180	1,230	1,310	1,249	61	1,310
TOTAL PEACHES	2,977	2,137	1,798	1,951	1,772	226	1,998
Pears	6	1	--	18	--	18	18
Pecans	3	27	130	98	80	0	80
Persimmons	1	6	5	11	9	2	11
Pistachios	--	6,932	14,554	17,131	16,884	487	17,371
Plums	399	471	942	1,350	1,254	136	1,390
Pomegranates	4	3	420	67	50	0	50
Prunes	--	--	715	977	792	213	1,005
Walnuts	936	1,491	1,657	1,894	1,374	0	1,374
TOTAL PLANTED ACRES	40,652	78,979	157,093	163,301	158,454	4,604	163,058

* Includes Tangerines, Mandarins, and 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
Yellow Star Thistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 Sites
Puncture Vine <u>Tribulus maruanum</u>	Seed and Stem Weevil <u>Microlarunus lareynii</u> <u>Microlarinus lypriformis</u>	Countywide
Klamath Weed <u>Hypericum perforatum</u>	Klamath Weed Beetle <u>Chrysolina quadrugemina</u>	3 Sites
Ash Whitefly <u>Siphoninus phyllyreae</u>	Wasp <u>Encarsia nr. inaron</u>	Countywide

COUNTY PEST ERADICATION

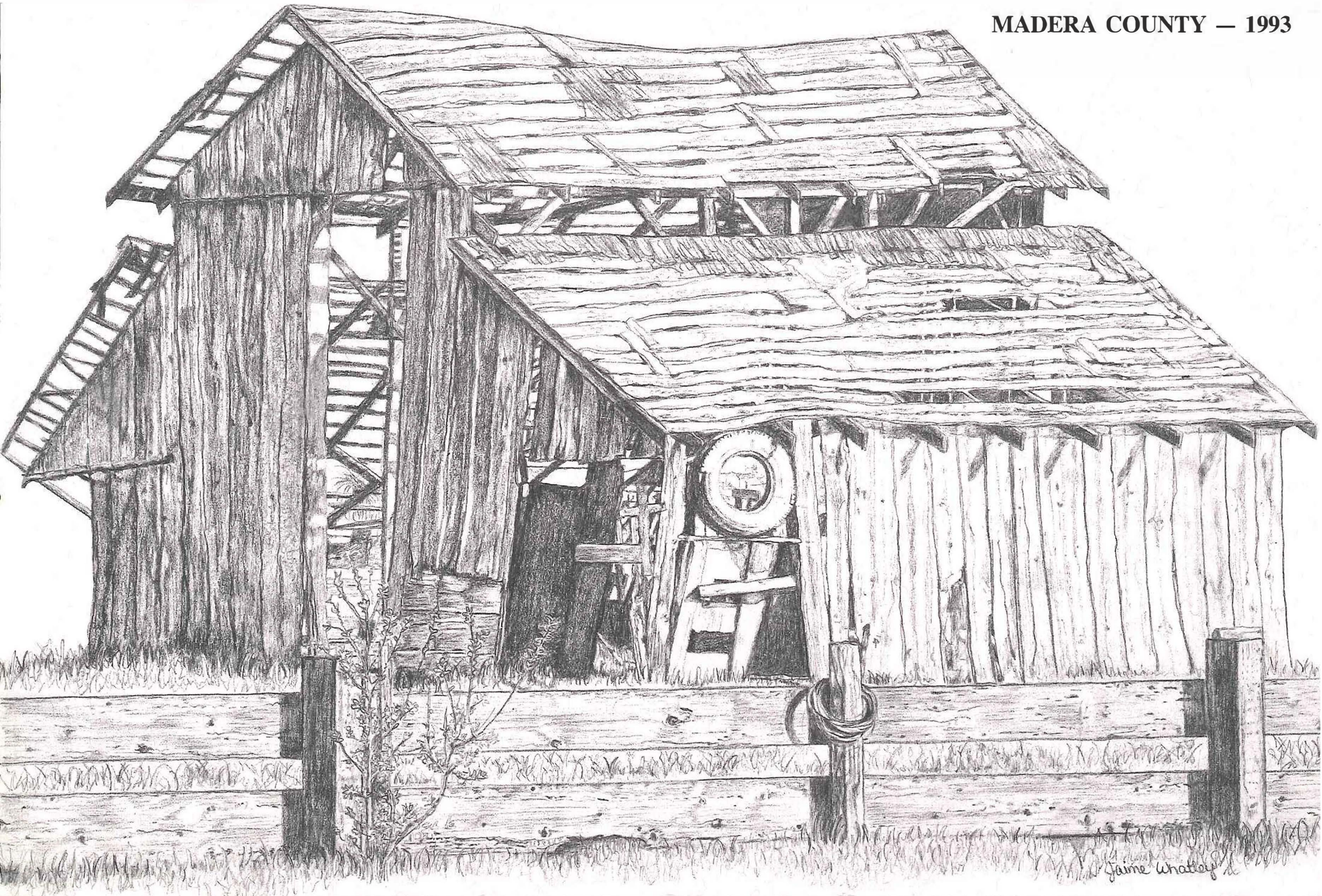
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	48,100 acres
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ORGANIC FARMING STATISTICS

CROP	NUMBER OF FARMS	ESTIMATED ACRES
Various Crops	16	1505

AGRICULTURAL CROP REPORT

MADERA COUNTY — 1993



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

and

The honorable Board of Supervisors
County of Madera

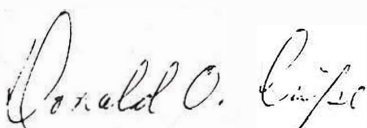
In accordance with section 2279 of the California Food and Agricultural Code, the 1993 Madera County Crop Report is hereby submitted.

The total value is \$621,410,000. This is approximately 19 million dollars more than 1992; an increase of 3.2 percent. Almonds were up over 36 percent, Alfalfa rebounded from lows of the last two years, and chickens increased well past historical highs to 4,778,000 birds, worth \$7,774,000. Seed crop acreage and value decreased, and nursery crops showed a decline as well. It should be noted that some crops, such as Olives and Pistachios bear alternate crops: this year they were on the down cycle.

Please note 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.

I sincerely appreciate the efforts of my staff, the staff of the University of California 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.

Respectfully Submitted,



Donald O. Cripe
Agricultural Commissioner

About the Cover

Featured on the cover is a drawing of an old barn located in Madera near Millview school. Arch Conn and his brother Fred operated a dairy on this property from 1936 to the mid 1950's. They ran beef cattle on the place until 1980. The land is currently owned by the city of Madera, which plans to convert it to a park. When the barn comes down, a part of Madera County's agricultural history will be lost. Sincere thanks to Susan Conn of Merced, who provided the historical background.

Drawing by Jaime Whatley, daughter of Department Secretary Lore Ciuffoli.

ANNUAL CROP REPORT 1993
MADERA COUNTY

Compiled By:

Scott Porteous

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Alfred Ginsburg	District 2
Gail Hanhart McIntyre	District 3
Jess Lopez, chairman	District 4
Harry H. Baker Jr.	District 5

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Lore Ciuffoli, Department Secretary II
Tammy Dodson, Office Assistant III
Frances Speelmon, Office Assistant II

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE, 1992-1993

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley, Irrigated	1993	4,300	2.00	8,600	Ton	\$ 99.00	\$ 851,000
	1992	3,000	1.80	5,400	"	108.00	583,000
Beans, Dry a/	1993	1,550	1.05	1,628	"	445.00	724,000
	1992	1,050	1.04	1,092	"	440.00	481,000
Corn, Field	1993	8,700	5.50	47,850	"	110.00	5,264,000
	1992	8,200	4.40	36,080	"	117.00	4,221,000
Corn, Silage	1993	4,100	26.30	107,830	"	18.50	1,995,000
	1992	4,000	24.80	99,200	"	17.50	1,736,000
Silage, Other b/	1993	1,050	12.60	13,230	"	14.50	192,000
	1992	1,150	12.40	14,260	"	14.00	200,000
Cotton, Lint	1993	51,400	1283 c/	131,892	Bales	.69 d/	45,503,000
	1992	48,100	1335 c/	128,427	"	.69 d/	44,307,000
Cotton, Seed	1993	xx	xx	55,000	Ton	165.00	9,075,000
	1992	xx	xx	53,500	"	140.00	7,493,000
Hay, Alfalfa	1993	31,800	7.90	251,220	"	105.00	26,378,000
	1992	31,000	7.90	244,900	"	87.00	21,306,000
Hay, Grain	1993	2,000	2.65	5,300	"	79.00	419,000
	1992	2,480	2.65	6,572	"	77.00	506,000
Pasture, Irrigated	1993	8,000	xx	xx	Acre	120.00	960,000
	1992	14,000	xx	xx	"	120.00	1,680,000
Pasture, Other	1993	393,000	xx	xx	"	8.00	3,144,000
	1992	400,000	xx	xx	"	8.00	3,200,000
Stubble e/	1993	20,000	xx	xx	"	14.00	280,000
	1992	25,000	xx	xx	"	15.50	388,000
Sugar Beets	1993	780	33.00	25,740	Ton	36.65	943,000
	1992	740	34.10	25,234	"	33.00	833,000

a/ Includes black-eyes, kidneys, and limas
b/ Includes alfalfa, oats, and winter forage
c/ Pounds
d/ Per pound
e/ Includes alfalfa, corn, and grain

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE, 1992-1993

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Wheat	1993	22,000	2.70	59,400	Ton	\$102.00	\$ 6,059,000
	1992	21,500	2.60	55,900	"	116.00	6,484,000
Misc. a/	1993	6,441	XX	XX	XX	XX	1,462,000
	1992	6,240	XX	XX	XX	XX	1,140,000
TOTAL	1993	555,121					\$103,249,000
	1992	566,460					94,558,000

SEED CROPS, ACREAGE, PRODUCTION, AND VALUE, 1992-1993

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Misc. Seed b/	1993	1,055	XX	XX	XX	XX	\$ 371,000
	1992	4,750	XX	XX	XX	XX	1,669,000

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Vegetables c/	1993	6,441	XX	XX	XX	XX	\$ 15,719,000
	1992	6,686	XX	XX	XX	XX	13,952,000

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

b/ Includes barley, beans, carrots, cotton, oats, and 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, 1992-1993

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds a/	1993	39,176	.74	28,990	Ton	\$3740.00	\$108,423,000
	1992	38,258	.84	32,137	"	2470.00	79,378,000
Almond Hulls	1993	xx	xx	57,980	"	65.00	3,769,000
	1992	xx	xx	64,274	"	56.00	3,599,000
Apples b/	1993	2,250	13.00	29,250	"	500.00	14,625,000
	1992	2,100	13.10	27,510	"	450.00	12,380,000
Figs	1993	6,690	1.45	9,701	"	1287.00	12,485,000
	1992	6,314	1.30	8,208	"	1445.00	11,861,000
Grapes, Raisin	1993	41,101	xx	xx	"	xx	82,037,000
	1992	41,082	xx	xx	"	xx	93,547,000
Dried	1993	25,883	2.00	51,766	"	910.00	47,107,000
	1992	24,691	2.50	61,728	"	890.00	54,938,000
Crushed	1993	11,926	9.30	110,912	"	160.00	17,746,000
	1992	13,205	10.00	132,050	"	175.00	23,109,000
Fresh	1993	3,292	7.20	23,702	"	725.00	17,184,000
	1992	3,186	6.95	22,143	"	700.00	15,500,000
Grapes, Table	1993	2,161	7.70	16,640	"	745.00	12,397,000
	1992	2,098	7.80	16,364	"	750.00	12,273,000
Grapes, Wine c/	1993	38,382	xx	xx	"	xx	77,716,000
	1992	38,795	xx	xx	"	xx	82,767,000
Red Varieties	1993	13,982	10.40	145,413	"	240.00	34,899,000
	1992	13,919	9.93	138,216	"	232.00	32,066,000
White Varieties	1993	24,400	10.70	261,080	"	164.00	42,817,000
	1992	24,876	10.14	252,243	"	201.00	50,701,000
Nectarines	1993	790	7.60	6,004	"	560.00	3,362,000
	1992	832	10.00	8,320	"	550.00	4,576,000
Olives	1993	1,781	5.28	9,404	"	470.00	4,420,000
	1992	1,786	7.16	12,788	"	670.00	8,568,000

a/ Meat basis

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

c/ Includes table grapes crushed

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Oranges	1993	4,161	14.03	58,379	Ton	\$ 368.00	\$ 21,483,000
	1992	4,148	14.60	60,561	"	380.00	23,013,000
Peach, Free	1993	1,260	9.90	12,474	"	400.00	4,990,000
	*1992	1,249	9.75	12,178	"	391.00	4,762,000
Pistachios a/	1993	16,884	.83	14,014	"	2240.00	31,391,000
	1992	16,884	1.16	19,585	"	2320.00	45,437,000
Plums	1993	1,228	9.46	11,617	"	509.00	5,913,000
	1992	1,254	6.80	8,527	"	370.00	3,155,000
Walnuts	1993	981	1.40	1,373	"	1340.00	1,840,000
	1992	1,374	1.40	1,924	"	1200.00	2,308,000
Misc. b/	1993	2,207	xx	xx	xx	xx	8,478,000
	1992	2,280	xx	xx	xx	xx	9,729,000
TOTAL	1993	159,052					\$393,329,000
	*1992	158,454					397,353,000

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION TOTAL	UNIT	PER UNIT	TOTAL
Honey	1993	365,000	Pound	\$.45	\$ 164,000
	1992	240,000	"	.55	132,000
Pollination	1993	98,000	Colony	32.50	3,185,000
	1992	96,000	"	32.00	3,072,000
TOTAL	1993				\$ 3,349,000
	1992				3,204,000

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

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

* Revised

JANUARY 1, INVENTORIES OF LIVESTOCK ESTIMATED IN NUMBER OF HEAD

	JANUARY 1, 1993	JANUARY 1, 1994
Cattle & Calves	100,000	98,000
Beef Cows	11,000	12,000
Milk Cows	20,000	21,000
Stock Sheep	8,000	7,000
Hogs	1,600	1,500

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1992-1993

ITEM	YEAR	NO. OF HEAD	TOTAL LIVELWEIGHT	UNIT	PER UNIT	TOTAL
Cattle & Calves	1993	46,000	292,100	CWT.	\$79.40	\$23,193,000
	1992	44,000	288,200	"	74.50	21,471,000
Hogs	1993	1,300	2,904	"	50.10	145,000
	1992	1,400	3,220	"	47.10	152,000
Sheep & Lambs	1993	18,800	20,680	"	67.10	1,388,000
	1992	25,400	27,940	"	62.90	1,757,000
All Chickens	1993	4,778,000	24,143,000	Pound	.322	7,774,000
	1992	1,000,000	5,000,000	"	.305	1,525,000
Turkeys	1993	2,395,000	46,906,000		.360	16,886,000
	1992	2,411,000	48,463,000	"	.351	17,011,000
TOTAL	1993					\$49,386,000
	1992					41,916,000

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE, 1992-1993

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	TOTAL
Milk, Market	1993	3,832,170	CWT.	\$11.45	\$43,878,000
	1992	3,570,784	"	11.61	41,457,000
Milk, Manufacturing	1993	50,779	"	11.05	561,000
	1992	57,990	"	10.94	634,000
Wool	1993	150,400	Pound	.61	92,000
	1992	203,200	"	.78	159,000
Other Livestock & Poultry Products a/	1993	xx		xx	1,258,000
	1992	xx		xx	984,000
TOTAL	1993				\$45,789,000
	1992				43,234,000

NURSERY PRODUCTS: ACREAGE AND VALUE, 1992-1993

ITEM	YEAR	FIELD ACRES	TOTAL VALUE
Nursery Stock b/	1993	404	\$ 3,855,000
	1992	360	4,294,000

FOREST PRODUCTS: PRODUCTION AND VALUE, 1992-1993

ITEM	YEAR	PRODUCTION	UNIT	TOTAL VALUE
Timber	1993	41,600	MBF	\$ 6,363,000
	1992	34,400	"	2,007,000

a/ Includes market eggs and fertilizer

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

AGRICULTURAL CROP REPORT RECAPITULATION 1992-1993

ITEM	YEAR	HARVESTED ACREAGE	VALUE
Apiary	1993		\$ 3,349,000
	1992		3,204,000
Field Crops	1993	555,121	103,249,000
	1992	566,460	94,558,000
Fruit & Nut Crops	1993	159,052	393,329,000
	*1992	158,454	397,353,000
Livestock & Poultry	1993		49,386,000
	1992		41,916,000
Livestock & Poultry Products	1993		45,789,000
	1992		43,234,000
Nursery	1993	404	3,855,000
	1992	360	4,294,000
Seed Crops	1993	1,055	371,000
	1992	4,750	1,669,000
Timber Products	1993	41,600 MBF	6,363,000
	1992	34,400 MBF	2,007,000
Vegetable Crops	1993	6,441	15,719,000
	1992	6,686	13,952,000
TOTAL	1993		\$621,410,000
	*1992		602,187,000

COMPARISON OF AGRICULTURAL VALUES

1993	\$621,410,000	* 1986	\$373,248,000
* 1992	602,187,000	* 1985	333,799,000
* 1991	483,991,000	* 1984	331,138,000
* 1990	526,297,000	* 1983	299,343,000
* 1989	477,602,000	* 1973	171,664,000
* 1988	449,690,000	* 1963	72,251,000
* 1987	430,345,000	* 1953	64,129,000
		* 1943	30,754,000
		* 1933	4,365,000

* Revised

MILLION DOLLAR CROPS

CROP	1993 RANK	1993 STANDINGS	1992 RANK
Grapes, All	1	\$172,150,000	1
Almonds	2	108,423,000	3
Cotton, Lint	3	45,503,000	5
Milk, Market	4	43,878,000	6
Pistachios	5	31,391,000	4
Hay, Alfalfa	6	26,378,000	9
Cattle and Calves	7	23,193,000	8
Oranges	8	21,483,000	7
Turkeys	9	16,886,000	10
Vegetables, All	10	15,719,000	11
Apples	11	14,625,000	12
Figs	12	12,485,000	14
Cotton, Seed	13	9,075,000	16
Chickens	14	7,774,000	32
Timber	15	6,363,000	18
Wheat	16	6,059,000	17
Plums	17	5,913,000	26
Corn, Field	18	5,264,000	22
Peach, Free	19	4,990,000	19
Olives	20	4,420,000	15
Nursery Stock	21	3,855,000	21
Almond Hulls	22	3,769,000	23
Nectarines	23	3,362,000	20
Apiary/Pollination	24	3,349,000	24
Pasture, Other	25	3,144,000	25
Corn, Silage	26	1,995,000	29
Walnuts	27	1,840,000	27
Sheep and Lambs	28	1,388,000	28

PERMANENT CROP ACREAGES

CROP	1963	1973	1983	1992	1993		
					Bearing Acres	Non-Bearing	Total Acres
Almonds	2,648	13,985	34,278	39,616	39,176	1,440	40,616
Apples	95	72	1,009	2,500	2,250	500	2,750
Apricots	45	67	65	143	93	0	93
Cherries	18	18	18	50	18	45	63
Citrus							
Lemons	--	92	81	82	82	0	82
Oranges	740	3,443	3,725	4,334	4,161	186	4,347
* Tangerines	--	339	464	438	384	54	438
TOTAL CITRUS	740	3,874	4,270	4,854	4,627	240	4,867
Figs	2,655	2,785	6,997	6,474	6,690	647	7,337
Grapes:							
Raisin	25,505	29,238	42,029	41,932	41,101	1,440	42,541
Table	452	546	1,566	2,290	2,161	216	2,377
Wine, Red	4,605	14,299	16,972	14,018	13,982	236	14,218
Wine, White	986	7,737	26,947	24,896	24,400	576	24,976
TOTAL GRAPES	31,548	51,820	87,514	83,136	81,644	2,468	84,112
Kiwis	--	9	133	199	199	0	199
Nectarines	152	207	552	1,003	790	171	961
Olives	866	1,492	2,176	1,786	1,781	0	1,781
Peaches:							
Clingstone	1,433	745	483	688	528	414	942
Freestone	1,801	1,197	1,440	1,310	1,260	61	1,321
TOTAL PEACHES	3,234	1,942	1,923	1,998	1,788	475	2,263
Pears	6	1	--	18	--	18	18
Pecans	11	27	130	80	80	0	80
Persimmons	1	6	5	11	9	2	11
Pistachios	--	7,791	16,639	17,371	16,884	487	17,371
Plums	395	548	1,035	1,390	1,228	136	1,364
Pomegranates	4	3	424	50	22	0	22
Prunes	--	--	715	1,005	792	233	1,025
Walnuts	1,015	1,491	2,041	1,374	981	92	1,073
TOTAL PLANTED ACRES	43,433	86,138	159,924	163,058	159,052	6,954	166,006

* Includes Tangerines, Mandarins, and Tangelos

MADERA COUNTY ANNUAL SUSTAINABLE AGRICULTURAL REPORT

COUNTY BIOLOGICAL CONTROL

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>PROGRAM SCOPE</u>
Yellow Star Thistle <i>Centaurea solstitialis</i>	Seed Head Weevil <i>Bangasternus orientalis</i>	2 Sites
Puncture Vine <i>Tribulus maruanum</i>	Seed and Stem Weevil <i>Microlearunus lareynii</i> <i>Microlearinus lypriformis</i>	Countywide
Klamath Weed <i>Hypericum perforatum</i>	Klamath Weed Beetle <i>Chrysolina quadrugemina</i>	3 Sites
Ash Whitefly <i>Siphoninus phylllyreae</i>	Wasp <i>Encarsia nr. inaron</i>	Countywide
Russian Thistle <i>Salsoia iberica</i>	Seed Head Weevil <i>Coleophora klimeschiella</i>	3 sites

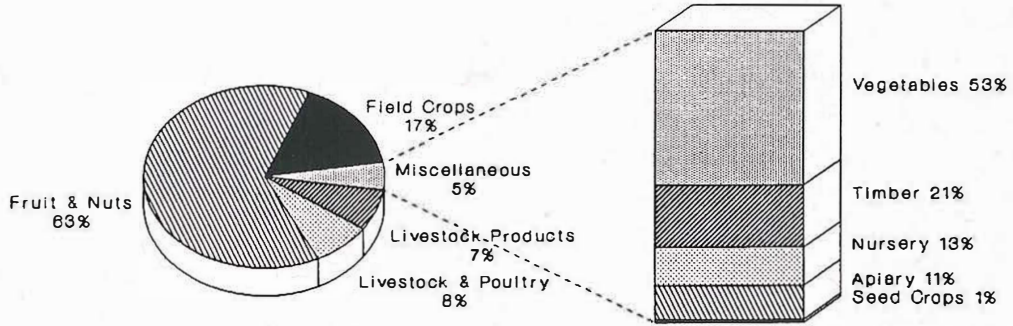
COUNTY PEST ERADICATION

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>PROGRAM SCOPE</u>
Pink Bollworm <i>Pectinophora gossypiella</i>	Mechanical/ Host Free Period	51,400 acres

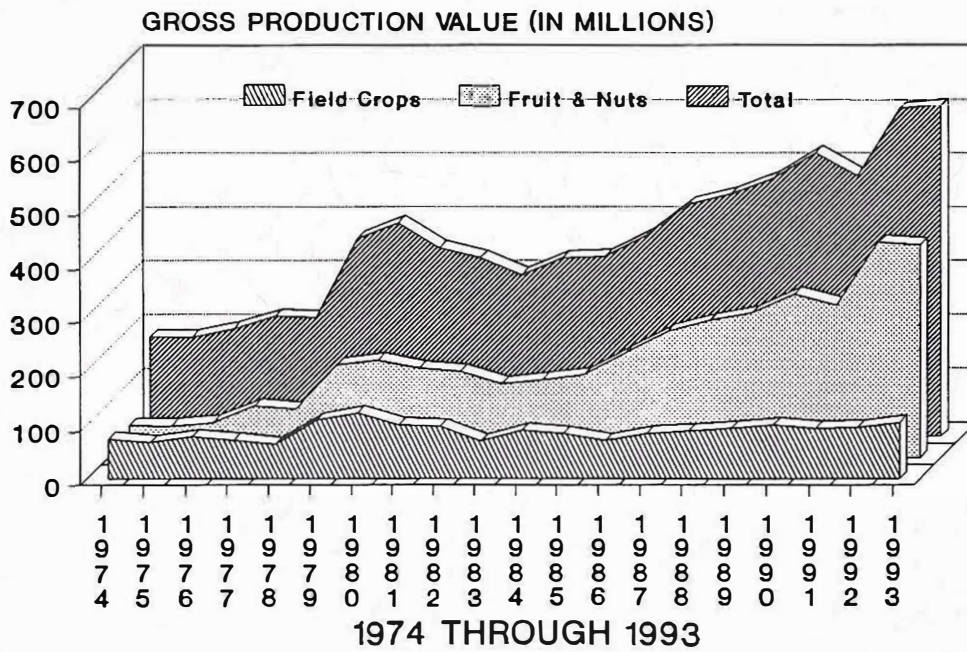
ORGANIC FARMING STATISTICS

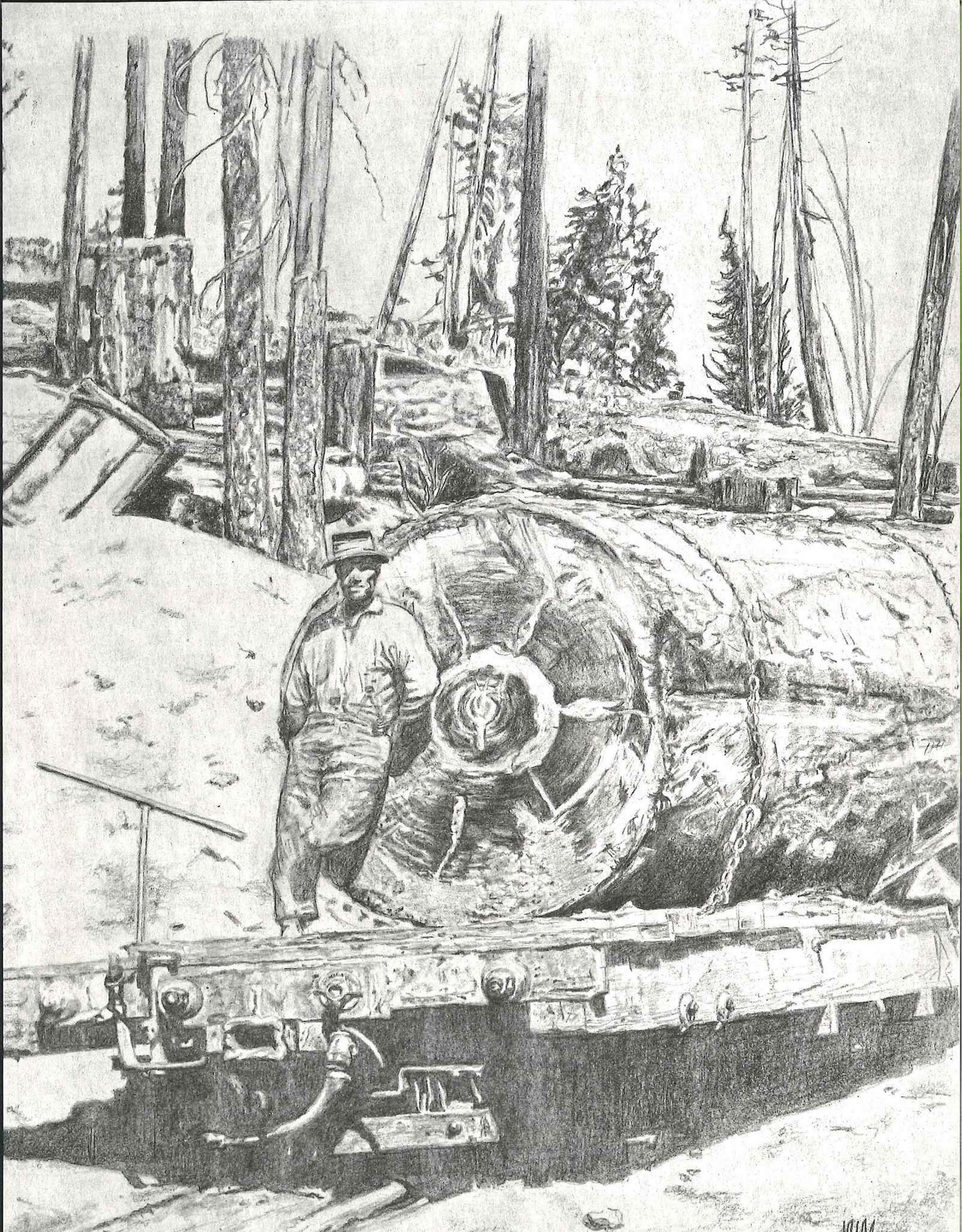
<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Various Crops	16	1931

MADERA COUNTY 1993 TOTAL CROP VALUE



GROWTH IN MADERA COUNTY AGRICULTURE OVER A TWENTY YEAR SPAN





AGRICULTURAL CROP REPORT
MADERA COUNTY — 1994

Wm. Whately

Henry J. Voss, Secretary
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, the 1994 Madera County Crop Report is hereby submitted.

The total value is \$614,618,000. This is approximately six million dollars less than 1993; a decrease of 1.03%. Almonds were down nearly 12% from lower prices from last years' records, and vegetable values declined as well. Dry beans rebounded with much better returns than the previous year, and field crops such as barley, alfalfa, and wheat showed increased returns as well. It should be noted that some crops, such as Olives and Pistachios bear alternate crops: this year Olives were on the down cycle while Pistachios were on the up cycle.

Please note that these figures 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.

Agriculture continues as a major industry in Madera County and is a driving force in the county's economy. Every dollar received by Madera County producers' results in the economic extension benefit of three and one-half dollars to the total economy of the county, making agriculture's contribution to the economy of Madera County over 2 billion dollars.

I sincerely appreciate the efforts of my staff, the staff of the University of California Cooperative Extension Service and the many individuals who contributed to the preparation of this report. Special thanks go to Scott Porteous and Stevie McNeill who compiled this report.

Very Truly Yours,



Robert J. Rolan
Acting Agricultural Commissioner

About the Cover

Eastern Madera county once provided a rich harvest of timber. Initially, logs were transported from the mountains to the valley floor by way of a 54 mile long flume. The industry spurred the local economy and provided a necessary resource for the developing west. In recent years, logging has been severely restricted on public lands as a result of environmental issues. Local mills have faced closure or resorted to importation of timber from foreign countries in order to remain in operation; in sharp contrast to that bygone era.

Drawing by Jaime Whatley, daughter of Department Secretary Lore Ciuffoli.

ANNUAL CROP REPORT 1994
MADERA COUNTY

Compiled By:

Scott Porteous
Stevie McNeill

Board of Supervisors

Rick Jensen
Alfred Ginsburg
Gail Hanhart McIntyre
Jess Lopez
Harry H. Baker Jr., chairman

District 1
District 2
District 3
District 4
District 5

County Administrative Officer

Stell Manfredi

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Iqbal Brar, Ag/Standards Inspector I
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Lore Ciuffoli, Department Secretary II
Tammy Dodson, Office Assistant III
Frances Speelmon, Office Assistant II



FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE 1993-1994

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley, Irrigated	1994	3,500	2.10	7,350	Ton	\$ 106.00	\$ 779,000
	1993	4,300	2.00	8,600	"	99.00	851,000
Beans, Dry a/	1994	3,100	1.09	3,379	"	670.00	2,264,000
	1993	1,550	1.05	1,628	"	445.00	724,000
Corn, Field	1994	7,500	4.60	34,500	"	100.00	3,450,000
	1993	8,700	5.50	47,850	"	110.00	5,264,000
Corn, Silage	1994	4,700	28.00	131,600	"	22.00	2,895,000
	1993	4,100	26.30	107,830	"	18.50	1,995,000
Silage, Other b/	1994	1,750	15.00	26,250	"	18.00	473,000
	1993	1,050	12.60	13,230	"	14.50	192,000
Cotton, Lint	1994	46,240	1214 c/	112,271	Bales	.78 d/	43,786,000
	1993	51,400	1283 c/	131,892	"	.69 d/	45,503,000
Cotton, Seed	1994	xx	xx	53,522	Ton	150.00	8,028,000
	1993	xx	xx	55,000	"	165.00	9,075,000
Hay, Alfalfa	1994	33,200	8.10	268,920	"	110.00	29,581,000
	1993	31,800	7.90	251,220	"	105.00	26,378,000
Pasture, Irrigated	1994	5,000	xx	xx	Acre	120.00	600,000
	1993	8,000	xx	xx	"	120.00	960,000
Pasture, Other	1994	389,000	xx	xx	"	8.00	3,112,000
	1993	393,000	xx	xx	"	8.00	3,144,000
Stubble e/	1994	14,000	xx	xx	"	14.00	196,000
	1993	20,000	xx	xx	"	14.00	280,000
Sugar Beets	1994	640	31.95	20,448	Ton	36.20	740,000
	1993	780	33.00	25,740	"	36.65	943,000

a/ Includes black-eyes, kidneys, and limas

b/ Includes alfalfa, oats, and winter forage

c/ Pounds

d/ Per Pound

e/ Includes alfalfa, corn and grain



FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE 1993-1994

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Wheat	1994	19,600	2.70	52,920	Ton	\$110.00	\$ 5,821,000
	1993	22,000	2.70	59,400	"	102.00	6,059,000
Misc. a/	1994	7,939	xx	xx	xx	xx	2,491,000
	1993	6,441	xx	xx	xx	xx	1,462,000
TOTAL	1994	536,169					\$104,216,000
	* 1993	553,121					102,830,000

SEED CROPS, ACREAGE, PRODUCTION, AND VALUE 1993-1994

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Misc. Seed b/	1994	995	xx	xx	xx	xx	\$ 362,000
	1993	1,055	xx	xx	xx	xx	371,000

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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Vegetables c/	1994	7,301	xx	xx	xx	xx	\$ 10,433,000
	1993	6,441	xx	xx	xx	xx	15,719,000

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

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

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

* Revised



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

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds a/	1994	39,800	.89	35,422	Ton	\$2,700.00	\$ 95,639,000
	1993	39,176	.74	28,990	"	3,740.00	108,423,000
Almond Hulls	1994	xx	xx	70,844	"	60.00	4,251,000
	1993	xx	xx	57,980	"	65.00	3,769,000
Apples b/	1994	2,599	13.10	34,047	"	500.00	17,023,000
	1993	2,250	13.00	29,250	"	500.00	14,625,000
Figs	1994	7,164	1.52	10,889	"	1,268.00	13,808,000
	1993	6,690	1.45	9,701	"	1,287.00	12,485,000
Grapes, Raisin	1994	42,460	xx	xx	"	xx	87,546,000
	1993	41,101	xx	xx	"	xx	82,037,000
Dried	1994	28,177	2.15	60,581	"	925.00	56,037,000
	1993	25,883	2.00	51,766	"	910.00	47,107,000
Crushed	1994	10,887	9.70	105,604	"	127.00	13,412,000
	1993	11,926	9.30	110,912	"	160.00	17,746,000
Fresh	1994	3,396	7.30	24,791	"	730.00	18,097,000
	1993	3,292	7.20	23,702	"	725.00	17,184,000
Grapes, Table	1994	2,350	7.45	17,508	"	800.00	14,006,000
	1993	2,161	7.70	16,640	"	745.00	12,397,000
Grapes, Wine c/	1994	38,819	xx	xx	"	xx	69,231,000
	1993	38,382	xx	xx	"	xx	77,716,000
Red Varieties	1994	14,406	9.00	129,654	"	233.00	30,209,000
	1993	13,982	10.40	145,413	"	240.00	34,899,000
White Varieties	1994	24,413	11.10	270,984	"	144.00	39,022,000
	1993	24,400	10.70	261,080	"	164.00	42,817,000
Nectarines	1994	802	6.40	5,133	"	550.00	2,823,000
	1993	790	7.60	6,004	"	560.00	3,362,000
Olives	1994	1,781	4.27	7,605	"	460.00	3,498,000
	1993	1,781	5.28	9,404	"	470.00	4,420,000

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 1993-1994

ITEM	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Oranges	1994	4,161	15.10	62,831	Ton	\$ 357.00	\$ 22,431,000
	1993	4,161	14.03	58,379	"	368.00	21,483,000
Peach, Free	1994	923	8.40	7,753	"	390.00	3,024,000
	1993	1,260	9.90	12,474	"	400.00	4,990,000
Pistachios a/	1994	16,282	1.05	17,096	"	1,844.00	31,525,000
	1993	16,884	.83	14,014	"	2,240.00	31,391,000
Plums	1994	1,268	5.96	7,557	"	475.00	3,590,000
	1993	1,228	9.46	11,617	"	509.00	5,913,000
Walnuts	1994	876	1.42	1,244	"	960.00	1,194,000
	1993	981	1.40	1,373	"	1340.00	1,840,000
Misc. b/	1994	2,506	xx	xx	xx	xx	10,561,000
	1993	2,207	xx	xx	xx	xx	8,478,000
TOTAL	1994	161,791					\$380,150,000
	1993	159,052					393,329,000

APIARY PRODUCTS 1993-1994

ITEM	YEAR	PRODUCTION TOTAL	UNIT	PER UNIT	TOTAL
Honey	1994	260,000	Pound	\$.46	\$ 120,000
	1993	365,000	"	.45	164,000
Pollination	1994	105,000	Colony	34.60	3,633,000
	1993	98,000	"	32.50	3,185,000
TOTAL	1994				\$ 3,753,000
	1993				3,349,000

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

b/ Includes apricots, cherries, cling peaches, kiwis, lemons, pears, pecans, prunes, tangerines, tangelos, persimmons, and pomegranates

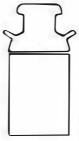


JANUARY 1, INVENTORIES OF LIVESTOCK ESTIMATED IN NUMBER OF HEAD

	JANUARY 1, 1994	JANUARY 1, 1995
Cattle & Calves	88,000	92,000
Beef Cows	17,000	20,000
Milk Cows	21,000	23,000
Stock Sheep	7,000	8,000
Hogs	1,700	1,500

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE 1993-1994

ITEM	YEAR	HEAD	LIVEWEIGHT	UNIT	PER UNIT	TOTAL
Cattle & Calves	1994	48,000	326,400	CWT.	\$79.20	\$25,851,000
	1993	46,000	292,100		79.40	23,193,000
Hogs	1994	2,000	2,200	"	46.70	103,000
	1993	1,300	2,904		50.10	145,000
Sheep & Lambs	1994	11,500	12,650	"	65.60	830,000
	1993	18,800	20,680		67.10	1,388,000
All Chickens	1994	5,200,235	27,041,000	Pound	.319	8,626,000
	1993	4,778,000	24,143,000		"	.322
Turkeys	1994	2,089,000	43,798,000	"	.373	16,337,000
	1993	2,395,000	46,906,000		"	.360
TOTAL	1994					51,747,000
	1993					49,386,000



LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE 1993-1994

ITEM	YEAR	PRODUCTION	UNIT	UNIT	TOTAL
Milk, Market	1994	4,564,019	CWT.	\$11.23	\$51,254,000
	1993	3,832,170	"	11.45	43,878,000
Milk Manufacturing	1994	70,822	"	11.09	785,000
	1993	50,779	"	11.05	561,000
Wool	1994	92,000	Pound	.60	55,000
	1993	150,400	"	.61	92,000
Other Livestock & Poultry Products a/	1994	xx	xx	xx	1,163,000
	1993	xx	xx	xx	1,258,000
TOTAL	1994				\$53,257,000
	1993				45,789,000

NURSERY PRODUCTS: ACREAGE AND VALUE 1993-1994

ITEM	YEAR	FIELD ACRES	TOTAL VALUE
Nursery Stock b/	1994	360	3,160,000
	1993	404	3,855,000

FOREST PRODUCTS: PRODUCTION AND VALUE 1993-1994

ITEM	YEAR	PRODUCTION	UNIT	TOTAL VALUE
Timber	1994	22,000	MBF	\$ 7,540,000
	1993	41,600	"	6,363,000

a/ Includes market eggs and fertilizer

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

AGRICULTURAL CROP REPORT RECAPITULATION 1993-1994

ITEM	YEAR	HARVESTED ACREAGE	VALUE
Apiary	1994		3,753,000
	1993		3,349,000
Field Crops	1994	536,169	104,216,000
	* 1993	553,121	102,830,000
Fruit & Nut Crops	1994	161,791	380,150,000
	1993	159,052	393,329,000
Livestock & Poultry	1994		51,747,000
	1993		49,386,000
Livestock & Poultry Products	1994		53,257,000
	1993		45,789,000
Nursery	1994	360	3,160,000
	1993	404	3,855,000
Seed Crops	1994	995	362,000
	1993	1,055	371,000
Timber Products	1994	22,000 MBF	7,540,000
	1993	41,600 MBF	6,363,000
Vegetable Crops	1994	7,301	10,433,000
	1993	6,441	15,719,000
TOTAL	1994		\$614,618,000
	* 1993		620,991,000

COMPARISON OF AGRICULTURAL VALUES

1994	614,618,000	* 1987	\$430,345,000
* 1993	620,991,000	* 1986	373,248,000
* 1992	602,187,000	* 1985	333,799,000
* 1991	483,991,000	* 1984	331,138,000
* 1990	526,297,000	* 1974	183,869,000
		* 1964	81,505,000
* 1989	477,602,000	* 1954	55,685,000
		* 1944	32,925,000
* 1988	449,690,000	* 1934	5,265,000

* Revised

MILLION DOLLAR CROPS

CROP	1994 RANK	1994 STANDINGS	1993 RANK
Almonds	1	\$95,639,000	1
Grapes, Raisin	2	87,546,000	2
Grapes, Wine	3	69,231,000	3
Milk, Market	4	51,254,000	5
Cotton, Lint	5	43,786,000	4
Pistachios	6	31,525,000	6
Hay, Alfalfa	7	29,581,000	7
Cattle and Calves	8	25,851,000	8
Oranges	9	22,431,000	9
Apples	10	17,023,000	12
Turkeys	11	16,337,000	10
Grapes, Table	12	14,006,000	14
Figs	13	13,808,000	13
Vegetables	14	10,433,000	11
Chickens	15	8,626,000	16
Cotton, Seed	16	8,028,000	15
Timber	17	7,540,000	17
Wheat	18	5,821,000	18
Almond Hulls	19	4,251,000	24
Apiary/Pollination	20	3,633,000	25
Plums	21	3,590,000	19
Olives	22	3,498,000	22
Corn, Field	23	3,450,000	20
Nursery Stock	24	3,160,000	23
Pasture, Other	25	3,112,000	27
Peach, Free	26	3,024,000	21
Corn, Silage	27	2,895,000	28
Nectarines	28	2,823,000	26
Beans, Dry	29	2,264,000	--
Walnuts	30	1,194,000	29

LIST OF EXPORTING COUNTRIES

Argentina	Guatemala	Peru
Australia	Hong Kong	Philippines
Belgium	India	Russia
Brazil	Indonesia	Saudi Arabia
Canada	Israel	Singapore
Canary Islands	Italy	Spain
Chile	Japan	Sri Lanka
China	Kenya	Sweden
Czech Republic	Korea	Switzerland
Ecuador	Kuwait	Taiwan
Egypt	Lebanon	Thailand
El Salvador	Malaysia	Turkey
England	Mexico	United Arab Emirates
France	Netherlands	United Kingdom
French Polynesia	New Zealand	Venezuela
Germany	Panama	Viet Nam

PERMANENT CROP ACRES

CROP	1964	1974	1984	1993	1994		
					Bearing Acres	Non- Bearing	Total Acres
Almonds	3,018	16,645	33,624	40,616	39,800	2,188	41,988
Apples	103	94	1,083	2,750	2,599	640	3,239
Apricots	58	67	64	93	80	--	80
Cherries	23	18	18	63	18	57	75
Citrus							
Lemons	--	92	82	82	82	--	82
Oranges	1,081	3,435	3,814	4,347	4,161	186	4,347
* Tangerines	120	339	410	438	384	54	438
TOTAL CITRUS	1,201	3,866	4,306	4,867	4,627	240	4,867
Figs	2,758	3,390	6,975	7,337	7,164	904	8,068
Grapes							
Raisin	26,051	29,418	41,846	42,541	42,460	1,488	43,948
Table	437	583	1,806	2,377	2,350	235	2,585
Wine, Red	4,853	14,904	17,117	14,218	14,406	243	14,649
Wine, White	1,011	9,108	27,137	24,976	24,413	576	24,989
TOTAL GRAPES	32,352	54,013	87,906	84,112	83,629	2,542	86,171
Kiwis	--	9	133	199	168	--	168
Nectarines	143	222	575	961	802	159	961
Olives	866	1,666	2,176	1,781	1,781	--	1,781
Peaches							
Clingstone	1,378	725	478	942	528	345	873
Freestone	1,630	1,243	1,389	1,321	923	207	1,130
TOTAL PEACHES	3,008	1,968	1,867	2,263	1,451	552	2,003
Pears	6	1	--	18	20	18	38
Pecans	11	50	130	80	74	--	74
Persimmons	1	3	6	11	11	4	15
Pistachios	--	8,118	16,989	17,371	16,282	2,274	18,556
Plums	452	554	1,227	1,364	1,268	156	1,424
Pomegranates	4	3	344	22	20	--	20
Prunes	--	--	735	1,025	1,121	308	1,429
Walnuts	1,119	1,475	2,054	1,073	876	--	876
TOTAL PLANTED ACRES	45,123	92,162	160,212	166,006	161,791	10,042	171,833

* Includes Tangerines, Mandarins, and Tangelos

MADERA COUNTY ANNUAL SUSTAINABLE AGRICULTURAL REPORT

COUNTY BIOLOGICAL CONTROL

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>PROGRAM SCOPE</u>
Yellow Star Thistle <i>Centaurea solstitialis</i>	Seed Head Weevil <i>Bangasternus orientalis</i>	2 Sites
Puncture Vine <i>Tribulus maruanum</i>	Seed and Stem Weevil <i>Microlearunus lareynii</i> <i>Microlearinus lypriformis</i>	Countywide
Klamath Weed <i>Hypericum perforatum</i>	Klamath Weed Beetle <i>Chrysolina quadrugemina</i>	3 Sites
Ash Whitefly <i>Siphoninus phylllyreae</i>	Wasp <i>Encarsia nr. inaron</i>	Countywide
Russian Thistle <i>Salsoia iberica</i>	Seed Head Weevil <i>Coleophora klimeschiella</i>	3 sites

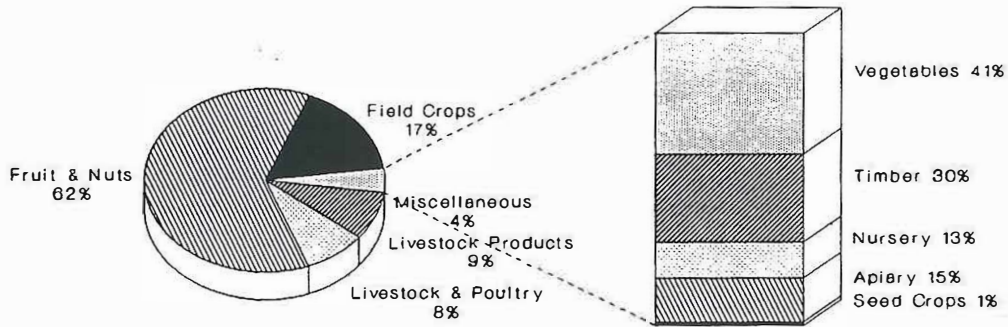
COUNTY PEST ERADICATION

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>PROGRAM SCOPE</u>
Pink Bollworm <i>Pectinophora gossypiella</i>	Mechanical/ Host Free Period	46,240 acres

ORGANIC FARMING STATISTICS

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Various Crops	11	1665

MADERA COUNTY 1994 TOTAL CROP VALUE



GROWTH IN MADERA COUNTY AGRICULTURE OVER A TWENTY YEAR SPAN

