



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.

ANNUAL CROP REPORT 1991
MADERA COUNTY

Compiled By:

Scott Porteous

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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"

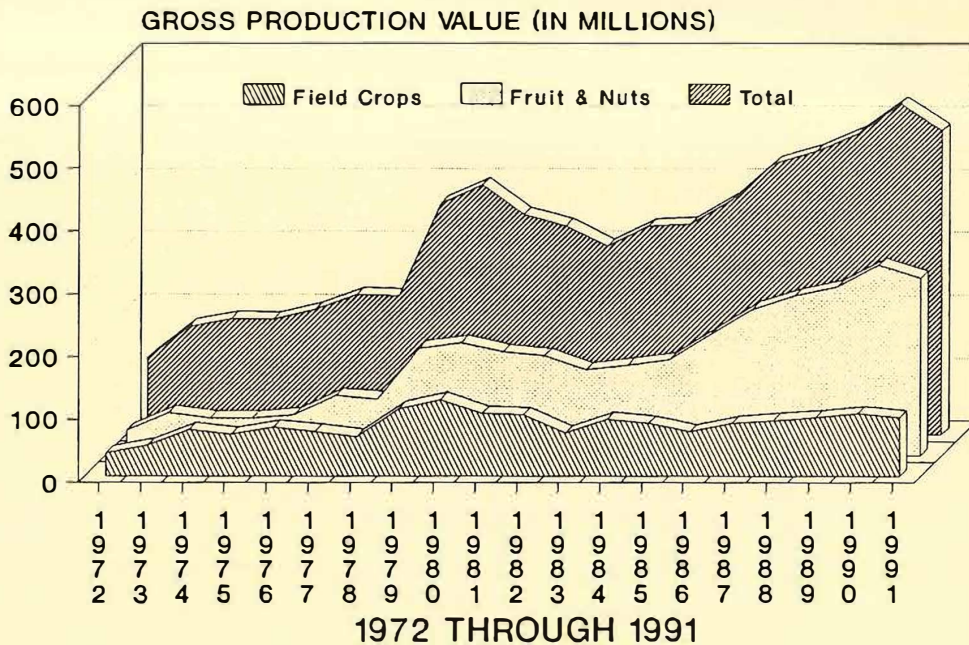
CROP	1991 RANK	1991 STANDINGS	1990 RANK
Grapes, Raisin	1	\$84,843,000	1
Almonds	2	60,044,000	3
Grapes, Wine	3	53,023,000	2
Cotton, Lint	4	43,719,000	4
Milk, Market	5	38,944,000	5
Hay, Alfalfa	6	20,719,000	8
Turkeys	7	19,647,000	7
Cattle and Calves	8	18,864,000	10
Pistachios	9	18,455,000	6
Vegetables	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 phyllyreae</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

