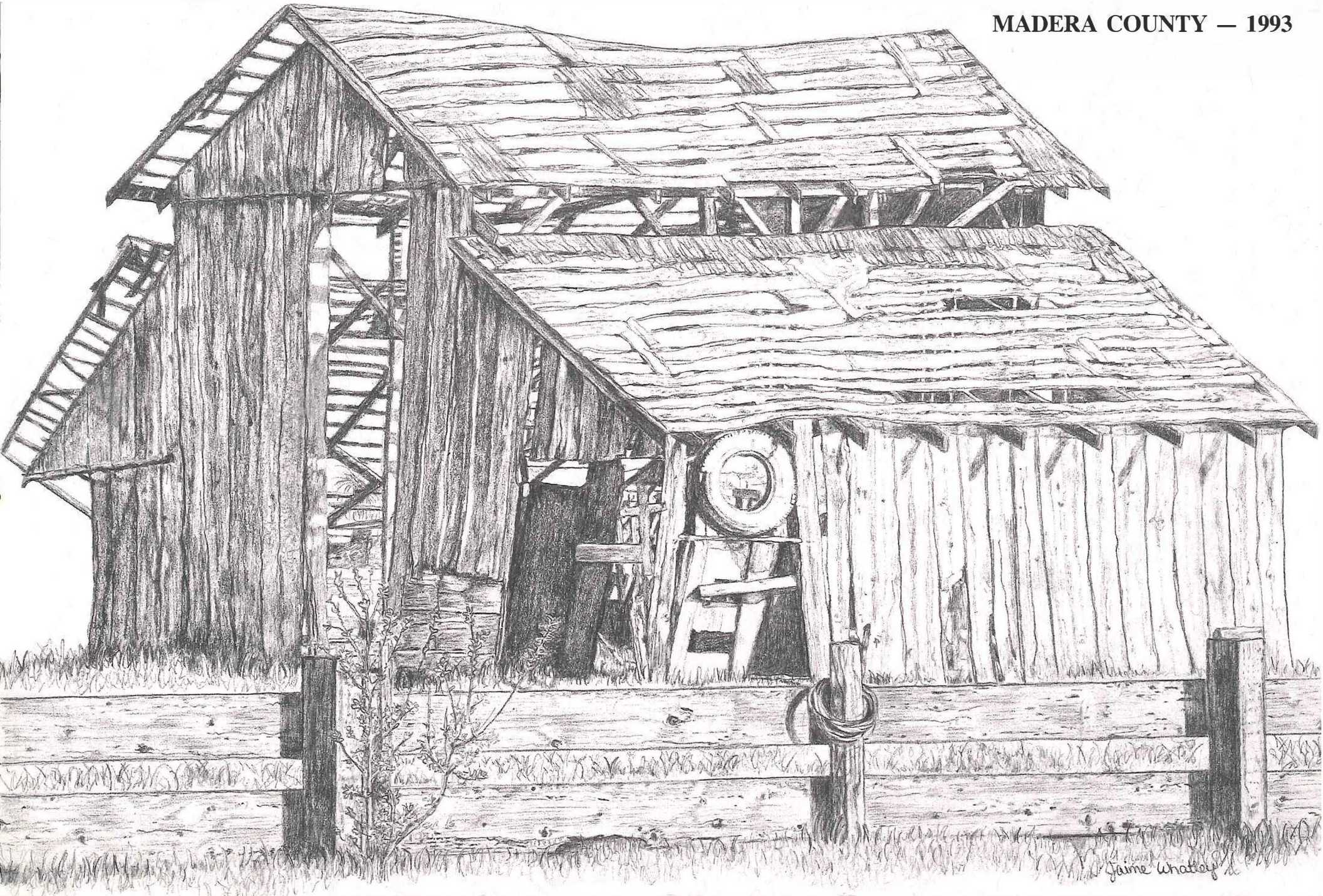


# AGRICULTURAL CROP REPORT

MADERA COUNTY — 1993





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

and

The honorable Board of Supervisors  
County of Madera

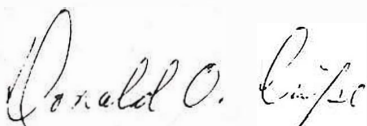
In accordance with section 2279 of the California Food and Agricultural Code, the 1993 Madera County Crop Report is hereby submitted.

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
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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

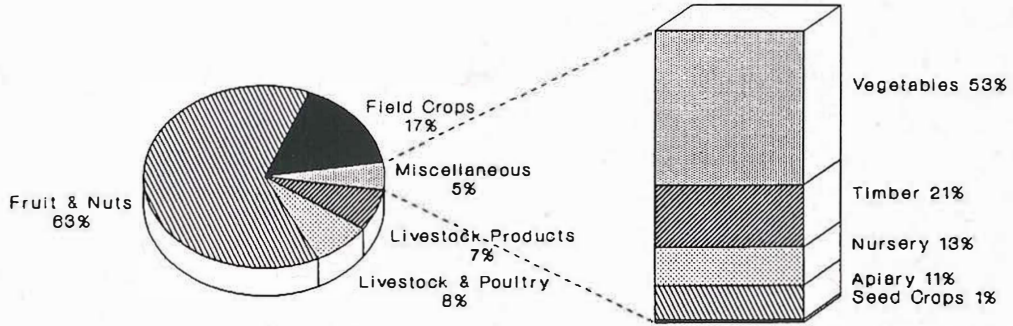
COUNTY PEST ERADICATION

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>PROGRAM SCOPE</u>
Pink Bollworm <i>Pectinophora</i> <i>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

GROSS PRODUCTION VALUE (IN MILLIONS)

