



MADERA COUNTY

agricultural crop report



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"It is inconceivable to me that an ethical relation to land can exist without love, respect, and admiration for land, and a high regard for its value."

Aldo Leopold, naturalist

The California nursery industry was formalized in 1911, with the founding of the California Association of Nurserymen, a non-profit trade organization dedicated to the promotion and advancement of the nursery industry. Representatives from eighteen geographical chapters serve on the board of directors, working together with members to improve communication within the industry and address common concerns.

Nursery crops, remarkable in their diversity, include: fruit and nut trees; grapevines; berry bush and strawberry plants; vegetable transplants; forest seedlings for Christmas trees and timber; ornamental trees and shrubs; flowering bedding plants; bulbs; seeds; turf sod for lawns; indoor decorative plants; cut flowers and floral greens.

This diversity fosters an industry comprised of numerous independent operations, rather than one dominated by a few major players. Autonomy in the industry is further enhanced by relative freedom from the requirement for specific soil types; most nursery plants thrive in above-ground containers of prepared growing media.

Based on dollar value, nursery stock is the sixth largest agricultural product grown in the United States, and this continues to expand. California produces nearly 25% of the nursery stock cultivated nationally.

Locally, nursery production in Madera County has increased from a value of \$545,000 in 1969, to a value exceeding \$30,200,000 in 1999. Madera County nursery products are characteristic of the industry in their variety, including grapevines; fruit and nut trees; flowering bedding plants; indoor decorative plants; seeds; and cut flowers. The nursery products of Madera County further typify the industry in their array of market destinations, from local deliveries, to countries the world over.

Madera County Department of Agriculture Weights and Measures

Robert J. Rolan, Agricultural Commissioner Sealer of Weights & Measures

> David A. Robinson, Assistant Commissioner/Sealer

William J. Lyons, Jr., Secretary California Department of Food and Agriculture

and

The Honorable Board of Supervisors

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 1999 Agricultural Crop Report.

The total value of Madera County agricultural production topped \$702,383,000 in 1999. This represents a 10.3% increase over the total achieved in 1998.

Yields for the major field crops were up, resulting in a 10% increase in total field crop production value. Silage acreage soared, corresponding to growth in dairy production values. County milk production reached a new high; production of replacement heifers reached a value of \$27,600,000.

Producers of fruits and nuts were challenged on several fronts during the 1999 growing season. Freezing temperatures devastated the orange crop, with only 600 of 3,850 bearing acres harvested. The olive yield was also affected; yield decreased nearly 74% from the preceding year. Almond production, up nearly 60%, suffered a sharp drop in price. The total value for fruit and nut production held steady, however, bolstered in part by a significant increase in raisin production.

Nursery production values continued to rise, reaching a record value of \$30,200,000 in 1999. Vegetable crop production values increased as well, resulting in a total production value of \$16,222,000, up 53% from the preceding year.

The preparation of a report of this type requires extensive collaboration between many individuals, and I sincerely appreciate the contributions of our growers and ranchers, the staff of the University of California Cooperative Extension, industry representatives, and the members of my staff who assisted in the gathering of data. Additionally, I would like to thank Marilyn Key, for compiling the information into its final form; Susan Wilson, for report design; and Bret Nicholson, who served as photographer.

Respectfully Submitted,

Robert J. Rolan

Agricultural Commissioner

MADERA COUNTY HIGHLIGHTS

d and the	County Established	March 11, 1893	
£4354	County Seat	Madera (city)	
	Populationa	114,748	
To	otal County Acreage ^b	1,368,587	
	1999 Harvested Acreage	649,425	24 3
	Field Crop Acreage	113,780	
	Fruit and Nut Acreage	177,210	
	Nursery Acreage	1,135	
	Vegetable Acreage	4,300	
	Ranchland Acreage	353,000	
	Forest Acreage	414,290	
	U. S. Parkland Acreage	82,973	13
В	ordering Counties	Lake Taho	e
	Merced County	Northwest	
	Mariposa County	North	
	Mono County	East	
	Fresno County	South and West	
St	atewide Ranking of County		
	Population ^a	35	
	Total Acreage	24	
	Total Agricultural Productionb	14	
	Commodity, by value ^c		1379
	Figs	1	Yosemite
	Pistachios	2	Nationa
San Francisco	Grapes, Raisin Variety	2	Park
	Olives	4	
	Almonds	5	211
	Grapes, Table Variety	5	37
	Grapes, Wine Variety	6	1800 x 12
	Milk	7	J. Carl 7
			1
		White Whitestern Committee of the Park	THE R. P. LEWIS CO., LANSING,

a/ US Bureau of Census, 1998 Estimate
 b/ USDA Ag Census, 1997
 c/ County Agricultural Commissioner's Data, 1998

MADERA COUNTY

agricultural crop report

Madera County Board of Supervisors

Frank Bigelow

District 1

Vern Moss

District 2

Gail Hanhart-McIntyre

District 3

John Silva

District 4

Gary Gilbert

District 5

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Pest Detection Trappers

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Roberta Weikel

Clerical Staff

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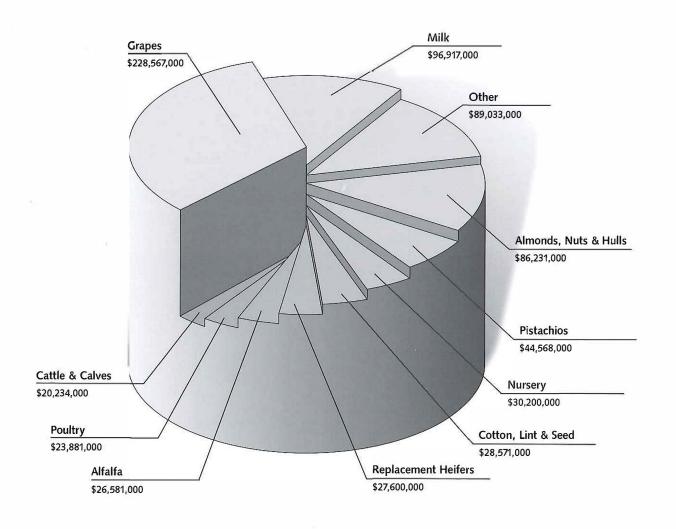
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Report
Crop Report Summary



TEN LEADING CROPS MADERA COUNTY - 1999

	1999	1999	1998
COMMODITY	RANK	DOLLAR VALUE	RANK
Grapes	1	\$228,567,000	1
Milk	2	\$96,917,000	2
Almonds, Nuts & Hulls	3	\$86,231,000	3
Pistachios	4	\$44,568,000	4
Nursery Stock	5	\$30,200,000	8
Cotton, Lint & Seed	6	\$28,571,000	6
Replacement Heifers	7	\$27,600,000	_
Alfalfa	8	\$26,581,000	5
Poultry	9	\$23,881,000	=
Cattle and Calves	10	\$20,234,000	7





MADERA COUNTY AGRICULTURAL PRODUCTION & VALUE

The information in the following tables is compiled and made available in order to provide an annual record of agricultural production within the county. Yield, production, and pricing information is gathered from both growers and processors. Acreages shown are not intended to reflect planted acreage, but rather the total acreage harvested during the current growing season. Weighted averages of yields and unit values are then prepared for the individual commodities, allowing determination of countywide totals for production and value.



APIARY PRODUCTS

		VALUE			
Item	Year	Total	Unit	Per Unit	Total
Apiary Products					
Beeswaxa	1999	13,000	Pound	\$1.00	\$13,000
Honey	1999 1998 1997	596,740 580,800 640,320	Pound Pound Pound	0.55 .60 .58	328,000 348,000 371,000
Pollination	1999 1998 1997	118,500 109,500 114,119	Colony Colony Colony	40.60 39.80 42.25	4,811,000 4,358,000 4,822,000
TOTAL	1999 1998 1997				\$5,152,000 4,706,000 5,193,000

a/ Not previously reported





PRODUCTION

			INOD	OCHON			VILOL
N	Vacu	Harvested	Per	Total	Unit	Per Unit	Total
Item	Year	Acreage	Acre	Iotai	Omt	Ollit	10(a)
Alfalfa						4000 00	
Hay	1999	37,810	7.12	269,207	Ton	\$96.00	\$25,844,000
	1998	37,313	6.98	260,445	Ton	105.00	27,347,000
	1997	39,356	7.40	291,234	Ton	114.00	33,201,000
Silageab	1999			33,488	Ton	22.00	737,000
Total Alfalfa	1999	37,810					26,581,000
Beans, Dry ^c	1999	2,600	1.26	3,276	Ton	448.00	1,468,000
	1998	2,100	1.33	2,793	Ton	567.00	1,584,000
	1997	2,259	1.03	2,327	Ton	560.00	1,303,000
Corn							
Grain	1999	5,820	4.69	27,296	Ton	121.00	3,303,000
	1998	8,372	4.52	37,841	Ton	101.00	3,822,000
	1997	9,743	4.20	40,921	Ton	111.00	4,542,000
Silage	1999	10,400	24.37	253,448	Ton	18.00	4,562,000
Ü	1998	6,961	25.00	174,025	Ton	18.00	3,132,000
	1997	3,057	26.00	79,482	Ton	22.00	1,749,000
Total Corn	1999	16,220					7,865,000
	1998	15,333					6,954,000
	1997	12,800					6,291,000
Cotton							
Lint	1999	26,540	1,303 ^d	72,045	Balee	.69 ^f	23,861,000
	1998	27,130	950	53,695	Bale	.71	18,299,000
	1997	37,275	1,338	103,904	Bale	.76	37,904,000
Seed	1999			31,401	Ton	150.00	4,710,000
	1998			23,403	Ton	175.00	4,096,000
	1997			41,570	Ton	176.00	7,316,000
Oat	4000		2.74			60.00	40.5.000
Hay ^g	1999	2,500	2.74	6,850	Ton	62.00	425,000

a/ Reported previously under Silage, Other
 b/ Alfalfa acreage yields both hay and silage
 c/ Includes black-eyes, kidneys and limas



c/ d/

Pounds Bale: 480 pounds Per pound e/

g/ Reported previously under Miscellaneous



FIELD CROPS

PRODUCTION

-				0011011			***************************************
		Harvested	Per			Per	
Item	Year	Acreage	Acre	Total	Unit	Unit	Total
Pasture							
Irrigated	1999	5,500			Acre	\$120.00	\$660,000
_	1998	5,500			Acre	120.00	660,000
	1997	5,000			Acre	120.00	660,000
Rangeland ^h	1999	353,000 ⁱ			Acre	9.00	3,177,000
	1998	381,000			Acre	8.00	3,048,000
	1997	381,000			Acre	8.00	3,048,000
Sugar Beets	1999	580	36.13	20,955	Ton	30.00	629,000
	1998	440	31.50	13,860	Ton	37.00	513,000
	1997	357	33.50	11,960	Ton	43.00	514,000
Wheat							
Grain ^j	1999	6,000	2.33	13,980	Ton	102.00	1,426,000
Silagei	1999	11,000	16.07	176,770	Ton	17.00	3,005,000
Total Wheat	1999	17,000					4,431,000
	1998	14,000					3,083,000
	1997	28,543					8,426,000
Winter Forage ^a	1999	2,430	12.62	30,670	Ton	17.00	521.000
Miscellaneous ^k	1999	2,600					1,552,000
	1998	8,288					3,268,000
	1997	9,330					2,992,000
TOTAL	1999	466,780					\$75,880,000
,	1998	491,104					68,852,000
	1997	515,920					101,655,000
	1221	212,220					101,055,000

h/ Reported previously under Pasture, Other
i/ Change due to improved mapping
j/ Reported previously under Wheat
k/ Includes barley, rice, safflower, sorghum, Sudan grass, seed crops and field stubble





FRUIT & NUT CROPS

DD.						A I
PR	U	u	U	н	U	I

		Harvested	Per			Per	
Item	Year	Acreage	Acre	Total	Unit	Unit	Total
10000					1		
Almondsa	1999	46,200	1.01	46,662	Ton	\$1,734.00	\$80,912,000
	1998	43,635	.67	29,235	Ton	3,100.00	90,629,000
	1997	42,514	1.17	49,741	Ton	3,100.00	154,197,000
Almond Hulls	1999			88,658	Ton	60.00	5,319,000
	1998			58,470	Ton	70.00	4,093,000
	1997			99,483	Ton	84.00	8,357,000
Apples	1999	2,400	6.90	16,560	Ton	474.00	7,849,000
	1998	2,726	7.78	21,208	Ton	445.00	9,437,000
	1997	3,138	9.09	28,524	Ton	605.00	17,257,000
Figs	1999	9,520	1.27	12,090	Ton	519.00	6,275,000
O	1998	9,430	1.32	12,448	Ton	751.00	9,348,000
	1997	9,199	1.73	15,914	Ton	718.00	11,426,000
Grapes							
Raisin Varieti		0.040	7.00	60.004	Т	202.00	42.047.000
Crushed	1999	8,810	7.82	68,894	Ton	202.00	13,917,000
	1998	9,960	8.60	85,656	Ton	165.00	14,133,000
	1997	10,438	11.72	122,345	Ton	186.00	22,756,000
Dried	1999	32,780	1.87	61,299	Ton	1,228.00	75,275,000
	1998	30,738	1.72	52,869	Ton	1,158.00	61,222,000
	1997	30,112	3.02	90,938	Ton	872.00	79,298,000
Fresh	1999	2,660	6.91	18,381	Ton	986.00	18,123,000
	1998	3,200	6.02	19,264	Ton	911.00	17,550,000
	1997	3,211	8.90	28,578	Ton	857.00	24,491,000
Table Varietie	s 1999	2,590	7.68	19,891	Ton	1,067.00	21,224,000
Table various	1998	2,544	6.65	16,918	Ton	1,005.00	17,923,000
	1997	2,577	7.90	20,358	Ton	974.00	19,829,000
Wine Varietie	:s ^b						
Red	1999	21,690	7.78	168,748	Ton	328.00	55,349,000
Varieties	1998	17,477	8.36	146,108	Ton	325.00	47,485,000
741.751.65	1997	16,466	11.27	185,572	Ton	333.00	61,795,000
White	1999	23,700	9.02	213,774	Ton	209.00	44,679,000
Varieties	1998	22,789	10.39	236,777	Ton	206.00	48,776,000
	1997	24,524	12.16	298,212	Ton	227.00	67,694,000
Total Grapes	1999	92,230					228,567,000
	1998	86,708					207,089,000
	1997	87,328					275,863,000
	1221	0,,520					_, 5,555,500



a/ Meat basisb/ Includes table grapes crushed



FRUIT & NUT CROPS

DI	0			ГІ	N
Pr		υı	JC	יוו	IV

			TROD	OCHON			VALUE
		Harvested	Per			Per	
Item	Year	Acreage	Acre	Total	Unit	Unit	Total
Nectarines	1999	530	7.03	3,726	Ton	\$655.00	\$2,441,000
rectarines	1998	640	5.86	3,750	Ton	580.00	2,175,000
	1997	651	7.70	5,013	Ton	750.00	3,760,000
Olivesc	1999	1,370	1.43	1,959	Ton	473.00	927,000
	1998	1,160	5.48	6,357	Ton	482.00	3,064,000
	1997	1,805	4.28	7,728	Ton	692.00	5,346,000
Oranges ^d	1999	600	11.62	6,972	Ton	240.00	1,673,000
	1998	3,931	18.00	70,758	Ton	175.00	12,383,000
	1997	4,281	15.70	67,212	Ton	212.00	14,249,000
Peaches							
Clinge	1999	1,030	17.67	18,200	Ton	237.00	4,313,000
Freestone	1999	830	10.43	8,657	Ton	424.00	3,671,000
	1998	876	10.62	9,303	Ton	436.00	4,056,000
	1997	1,090	7.70	8,393	Ton	488.00	4,096,000
Pistachios	1999	18,510	0.83	15,363	Ton	2,901.00	44,568,000
	1998	17,854	1.00	17,854	Ton	2,215.00	39,547,000
	1997	17,517	1.25	21,896	Ton	2,550.00	55,835,000
Plums	1999	1,020	8.23	8,395	Ton	718.00	6,028,000
	1998	1,204	9.55	11,498	Ton	717.00	8,244,000
	1997	1,308	7.87	10,294	Ton	741.00	7,628,000
Prunes ^f	1999	1,440	2.68	3,859	Ton	997.00	3,847,000
	1998	946	2.12	2,005	Ton	917.00	1,839,000
	1997	1,293	3.60	4,655	Ton	849.00	3,952,000
Walnuts	1999	1,050	1.75	1,838	Ton	879.00	1,616,000
	1998	977	1.57	1,534	Ton	962.00	1,476,000
	1997	890	1.35	1,202	Ton	1,400.00	1,683,000
Miscellaneous							4 000 000
Fruits & Nuts		480					1,888,000
	1998	1,568					7,748,000
	1997	1,680					4,324,000
Orchard Firewood ^h	1999			5,000	Cord		455,000
TOTAL	1999	177,210					\$400,349,000
	1998	171,655					401,128,000
	1997	172,694					567,973,000



c/ Yield impacted by freezing temperatures
d/ Harvestable acreage impacted by fruit loss due to freeze
e/ Reported previously under miscellaneous
f/ Dried weight

g/ Includes apricots, cherries, kiwis, pears, pecans, tangerines, tangelos, persimmons, pomegranates and strawberries h/ Not previously reported



NURSERY PRODUCTS

Item	Year	Field Acres	House Sq. Ft.	Total Value
Nursery Stocka	1999	1,135	552,000 ^b	\$30,200,000
	1998	671		15,128,000
	1997	390		4,541,000

a/ Includes grapevines, fruit trees, nut trees and ornamentals

b/ Not previously reported



VEGETABLE CROPS

,		Harvested	Total
Item	Year	Acreage	Value
Vegetables ^a	1999	4,300	\$16,222,000
Ü	1998	4,816	10,600,000
	1997	5,151	12,746,000

a/ Includes artichokes, all cabbage, carrots, cucumbers, garlic, melons, onions, all peppers, potatoes, all squash, all tomatoes, and miscellaneous truck crops



FOREST PRODUCTS

Item	Year	Production	Unit	Total Value
Timber	1999	8,982	MBFa	\$2,142,000
	1998	9,978	MBF	2,413,000
	1997	5,504	MBF	1,225,000
Firewood ^b	1999	3,765	Cord ^c	320,000
TOTAL	1999			\$2,462,000

a/ Million Board Feet

b/ Not previously reported c/ Cord: 128 cubic feet





LIVESTOCK AND POULTRY

					Per	
Item	Year	Head	Liveweight	Unit	Unit	Total
Cattle and Calvesa	1999	42,500	293,250	CWTb	\$69.00	\$20,234,000
	1998	41,000	282,900	CWT	64.00	18,106,000
	1997	38,011	262,276	CWT	61.00	15,999,000
Replacement						
Heifers ^{cd}	1999	20,000			1,380.00	27,600,000
Chickens	1999	4,702,320	26,910,000	Pound	0.267	7,185,000
	1998	6,376,400	32,664,000	Pound	.351	11,465,000
	1997	3,900,170	20,514,894	Pound	.307	6,298,000
Turkeys	1999	2,084,720	48,394,000	Pound	0.345	16,696,000
	1998	1,241,100	30,715,000	Pound	.350	10,750,000
	1997	936,271	19,183,670	Pound	.345	6,618,000
TOTAL	1999					\$71,715,000
	1998					40,321,000
	1997					28,915,000

a/ Range and dairy cattle sold for beef

d/ Not previously reported



LIVESTOCK AND POULTRY PRODUCTS

		PRODU		VALUE	
Item	Year	Production	Unit	Per Unit	Per Total
Milk Market ^a	1999 1998 1997	7,147,793 6,088,877 5,143,928	CWT CWT CWT	\$13.18 14.65 12.30	\$94,208,000 89,213,000 63,270,000
Milk Manufacturing ^a	1999 1998 1997	206,197 146,919 84,369	CWT CWT CWT	13.14 14.93 12.16	2,709,000 2,194,000 1,026,000
Other Products ^b	1999 1998 1997				3,486,000 2,165,000 1,959,000
TOTAL	1999 1998 1997				\$100,403,000 93,572,000 66,255,000

a/ Madera County has 49 dairies, with 34,500 lactating cows



b/ Hundredweight: 100 pounds

c/ Milk cows

b/ Includes aquaculture, market eggs, fertilizer, hogs, sheep, lambs and wool



COUNTRIES RECEIVING MADERA COUNTY PRODUCE IN 1999

Argentina	F	
Australia	# 0 *	
Austria	F P	
Belgium	O 🏲	
Brazil	F	
Canada		The state of the s
Canary Islands	#	
Chile	学	
Colombia		
Costa Rica		The state of the s
Egypt	0	
El Salvador		
France	€ ኞ	- Many
Germany	# 0	
Greece	0	A Section of the sect
Guatemala		* Toron
Honduras		* * * * * * * * * * * * * * * * * * * *
Hong Kong	● ● ◆	En .
India	0	
Indonesia	#	*
Israel	# 0	
Italy	0 🕏	
Iceland		
Japan	# O # #	
Jordan	0	
Kenya	学	
Korea	E Company of the Comp	

FRUIT:

Figs • Grapes • Kiwi • Nectarines • Peaches Plums • Peaches • Pomegranates • Raisins

NUTS:

Almonds • Pecans Pistachios • Walnuts



FIELD CROPS:

Alfalfa • Garlic • Onions Potatoes • Sudan Grass

NURSERY STOCK:

Corms • Grape cuttings Grape rootings • Ornamentals

MADERA COUNTY ANNUAL SUSTAINABLE AGRICULTURE REPORT

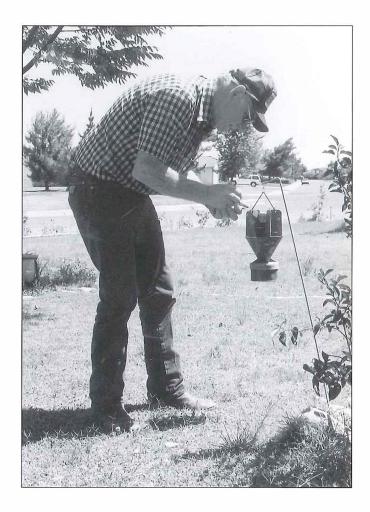
PEST PREVENTION

Pest prevention programs are mandated by the California Food and Agricultural Code to prevent the introduction and spread of pests in California. Pest prevention involves three strata: pest exclusion, pest detection, and integrated pest control.

The **Pest Exclusion Program** prevents the introduction of injurious pests that are not of common occurrence in the county. In Madera County, inspections ensuring pest cleanliness were performed at nursery locations. In addition, incoming shipments of plant material were inspected for potentially injurious pests. Over 1,200 phytosanitary inspections were performed on agricultural products destined

for export. Eighteen locations, totaling 2,535 acres, were surveyed and baited for Red Imported Fire Ant (Solenopsis invicta), a significant new quarantine pest. Incoming beehives, transported into the county for pollination, were also inspected for Red Imported Fire Ants. Three finds resulted, and the infested hives were treated.

The Pest Detection Program utilizes insect traps and surveys for the discovery of foreign pests which may have eluded exclusion efforts. The trapping program in Madera County targeted several fruit flies, including: Caribbean Fruit Fly (Anastrepha suspensa), Mediterranean Fruit Fly (Ceratitis capitata), Melon Fly (Dacus cucurbitae), Mexican Fruit Fly (Anastrepha ludens), Olive Fruit Fly (Bactrocera oleae), and Oriental Fruit Fly (Dacus dorsalis). Other targeted pests include: Apple Maggot (Rhagoletis pomonella), Gypsy Moth (Lymantria dispar), Japanese Beetle (Popillia japonica), Khapra Beetle (Trogoderma granarium), European Corn Borer (Ostrinia nubilalus), and European Pine Shoot Moth (Rhyacionia buoliana). Eleven hundred traps were placed in the county, with 9,686 trap servicings performed during the 1999 season.



The Integrated Pest Control Program strives to eradicate infestations of new pests before they become widespread. Pink Bollworm (Pectinophora gossypiella), a non-established and economically significant pest of cotton, is controlled by post-season plowdown of cotton plants. In Madera County, plowdown of nearly 26,000 acres was verified, ensuring the destruction of habitat supportive of this pest.

PEST MANAGEMENT

Pest management programs serve to control pests already established in the county, including injurious insects, weeds, and rodents.

The **Vertebrate Pest Management Program** provides expertise and materials, to growers and homeowners, for the control of certain depredating vertebrate pests.

The **Biological Control Program** involves the utilization of natural parasites and predators to reduce populations of insects or weeds. We have distributed biological control agents active against the ash whitefly (*Siphoninus phillyreae*), as well as three noxious weeds: Klamath weed (*Hypericum perforatum*), puncturevine (*Tribulus terrestris*), and yellow starthistle (*Centaurea solstitialis*).

A parasitic wasp, *Encarsia nr. inaron*, was used countywide against the ash whitefly. (whitefly pictured to right)





An herbivorous leaf beetle, *Chrysolina* quadrigemina, was used against Klamath weed at three sites in the county. (beetle on weed pictured to left)

Stem-mining and seed-eating weevils (Microlarinus lypriformis and Microlarinus lareynii) were used countywide against puncturevine.

A seed head gall fly (*Urophora sirunaseva*) and a seed head weevil (Bangasternus orientalis) were used against yellow starthistle at two sites.

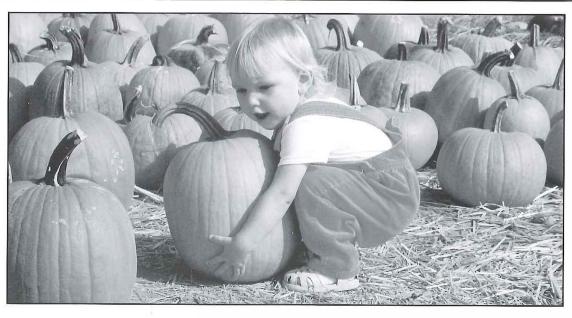
ORGANIC FARMING

Nineteen organic farms, totaling 1850 acres, were registered in Madera County in 1999. Utilizing organic principles defined in the California Organic Food Act of 1990, these farms produce a wide array of commodities: almonds, apples, figs, grapes and raisins, prunes, cotton, and vegetables. The total value of organic production in Madera County during 1999 was \$3,554,000.



AGRICULTURAL CROP REPORT SUMMARY

Item	Year	Harvested Acreage	Total Value
Apiary	1999 1998 1997		\$5,152,000 4,706,000 5,193,000
Field Crops	1999 1998 1997	466,780 491,104 515,920	75,880,000 68,852,000 101,655,000
Fruit and Nut Crops	1999 1998 1997	177,210 171,655 172,694	400,349,000 401,128,000 567,973,000
Livestock and Poultry	1999 1998 1997		71,715,000 40,321,000 28,915,000
Livestock and Poultry Products	1999 1998 1997		100,403,000 93,572,000 66,255,000
Nursery	1999 1998 1997	1135 671 390	30,200,000 14,128,000 4,541,000
Timber Products	1999 1998 1997		2,462,000 2,413,000 1,225,000
Vegetable Crops	1999 1998 1997	4,300 4,816 5,151	16,222,000 10,600,000 12,746,000
TOTAL	1999 1998 1997		\$702,383,000 636,720,000 788,503,000





THE CHANGING FACE OF MADERA COUNTY AGRICULTURE

	W				
	Almonds	Cotton	Grapes	Potatoes	Wheat
1999	46,200 Acres	26,540 Acres	92,230 Acres	*	17,000 Acres
	\$80,912,000	\$23,861,000	\$228,567,000	*	\$4,431,000
1989	34,323 Acres	42,500 Acres	81,439 Acres	*	18,000 Acres
	\$49,837,000	\$35,214,000	\$145,584,000	*	\$6,160,000
1979	19,473 Acres	79,750 Acres	57,920 Acres	*	25,000 Acres
	\$35,616,000	\$37,310,000	\$107,988,000	*	\$6,720,000
1969	3,697 Acres	43,100 Acres	34,792 Acres	2,000 Acres	5,000 Acres
	\$1,392,000	\$7,150,000	\$21,102,000	\$1,138,000	\$300,000
1959	469 Acres	49,384 Acres	20,220 Acres	2,107 Acres	10,874 Acres
1555	\$255,840	\$15,478,670	\$8,918,647	\$1,251,874	\$185,280
				100	
1949	310 Acres	74,041 Acres	18,106 Acres	2,295 Acres	12,440 Acres
	\$76,400	\$11,126,290	\$3,666,600	\$906,615	\$240,715
1939	338 Acres	44,900 Acres	17,188 Acres	949 Acres	22,694 Acres
	\$43,920	\$2,586,000	\$1,285,240	\$142,360	\$265,510
1929	295 Acres	26,000 Acres	20,060 Acres	125 Acres	52,490 Acres
.,,,,	\$16,800	\$1,850,000	\$1,900,000	\$34,000	\$724,800

^{*} potatoes last reported in 1971 (1,100 acres; \$521,000)

