Madera County

Agricultural Crop Report

2005

The agricultural industry in Madera County has again surpassed one billion dollars in production value. This equates to an average production value of $3 million dollars per day.

We believe that the one billion dollar benchmark will be sustained in upcoming seasons, based on the stability and diversity of commodities coming together to produce this historic high. In addition to our ten leading crops, Madera County produces a wide range of commodities with combined values of over $130 million.

Whether in response to an increasingly technological society, or the fascination of a generation that has been distanced from the farm, or the sheer beauty of our "working landscapes," there is renewed curiosity about agriculture.

Our local wine trail encourages interaction between visitors and the vintners producing the wines. Boxes of varied organic fruits and vegetables are available on a weekly basis, straight from the farm to local customers, allowing them to savor unusual varieties of produce, often for the first time in their lives. Slow Food events bring community members together to rediscover the pleasure, importance, and educational possibility of a shared dining experience.

Most recently, our office has partnered with producers and our local tourism office to promote a year-round "harvest trail," which would allow both local Maderans and tourists to experience for themselves the abundance and beauty of our county farms. Families will be able to pick berries or apples or cut flowers; select their favorite heirloom tomatoes, and buy seeds to grow their own; visit an alpaca ranch; choose from over a thousand varieties of irises; taste fresh-squeezed pomegranate juice; enjoy an agricultural art show; choose their pumpkin directly from the patch that produced it; get lost in a corn maze; visit gift shops offering exquisitely packaged local fruits and nuts; or wander among locally-grown Christmas trees while choosing their family tree.

This report, then, celebrates not only a record production value for agriculture in Madera County, but a richness and quality of life that few in this day and age have the opportunity to experience.

Madera County Department of Agriculture
Weights and Measures

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

Jay Seslowe, Assistant Agricultural
Commissioner/Sealer

A. G. Kawamura, 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 2005 Agricultural Crop Report.

Madera County set a new production record in 2005, again surpassing the one billion-dollar mark. The gross production value of agricultural commodities was $1,105,530,000, the highest in the history of Madera County. This represents a 2.9% increase beyond the production value achieved in 2004.

Agricultural diversity remains our strength, and this diversity is apparent in the variety of thriving commodities contributing to this production value record. Almonds remained the number one crop in Madera County for the third consecutive year. Enjoying increased acreage, and a 32% increase in value, the production value of almonds increased $33.3 million above the 2004 total. Grapes, having suffered depressed values for four successive years, showed strength in values for a second consecutive year. Red and white wine grape values rose, with respective increases of 5.6% and 6.7%. Despite decreasing acreage, grapes attained production values $24.8 million above the 2004 total. Pistachios, an alternate-bearing crop, produced a total tonnage down 60% from the previous year. Nevertheless, pistachios experienced increasing acreage and value, with the resulting total production value down 37% from 2004.

Dairy herd numbers continued to grow in Madera County during 2005. Milk production increased, though value fell, resulting in a total production value nearly identical to the 2004 total. Alfalfa acreage fell, with increasing acreage replanted to almonds. The value of alfalfa hay increased 22.6%, however, resulting in an overall increase in total production value. Production values for nursery crops increased $3.7 million above the 2004 total.

It must be emphasized that the values presented in this report reflect gross values only, and do not in any manner reflect net income or loss to producers.

The preparation of a report of this type requires extensive collaboration, and I sincerely appreciate the contributions of our growers, the staff of the University of California Cooperative Extension, industry representatives, and my staff.

Sincerely,

Robert J. Rolan
Agricultural Commissioner

332 Madera Avenue • Madera, CA 93637-5499 • Phone (559) 675-7876 • Fax (559) 674-4071
Website: http://www.madera-county.com/agcommissioner

MADERA COUNTY HIGHLIGHTS

County Established	March 11, 1893
County Seat	Madera (city)
Population[a]	142,788
Total County Acreage[b]	1,366,951
2005 Harvested Acreage	660,700
Field Crop Acreage	116,800
Fruit and Nut Acreage	185,100
Nursery Acreage	700
Vegetable Acreage	5,100
Rangeland Acreage	353,000
Forest Acreage	414,300
U. S. Parkland Acreage	83,000

Bordering Counties

Merced County	Northwest
Mariposa County	North
Mono County	East
Fresno County	South and West

Ranking of Madera County Among Counties of California

Population[a]	33
Total Acreage	24
Total Agricultural Production[b]	13
Commodity, by Value[c]	
Figs	1
Grapes, Raisin Variety	2
Pistachios	2
Olives	4
Almonds	5
Nectarines	5
Plums	5
Grapes, Table Variety	6
Grapes, Wine Variety	6
Milk, Market	10

Ranking of Madera County Among Counties of the United States

Total Agricultural Production[b]	23

a/ US Bureau of Census, 2005 Estimate
b/ USDA Ag Census, 2002
c/ County Agricultural Commissioner's Data, 2004

Madera County Agricultural Crop Report

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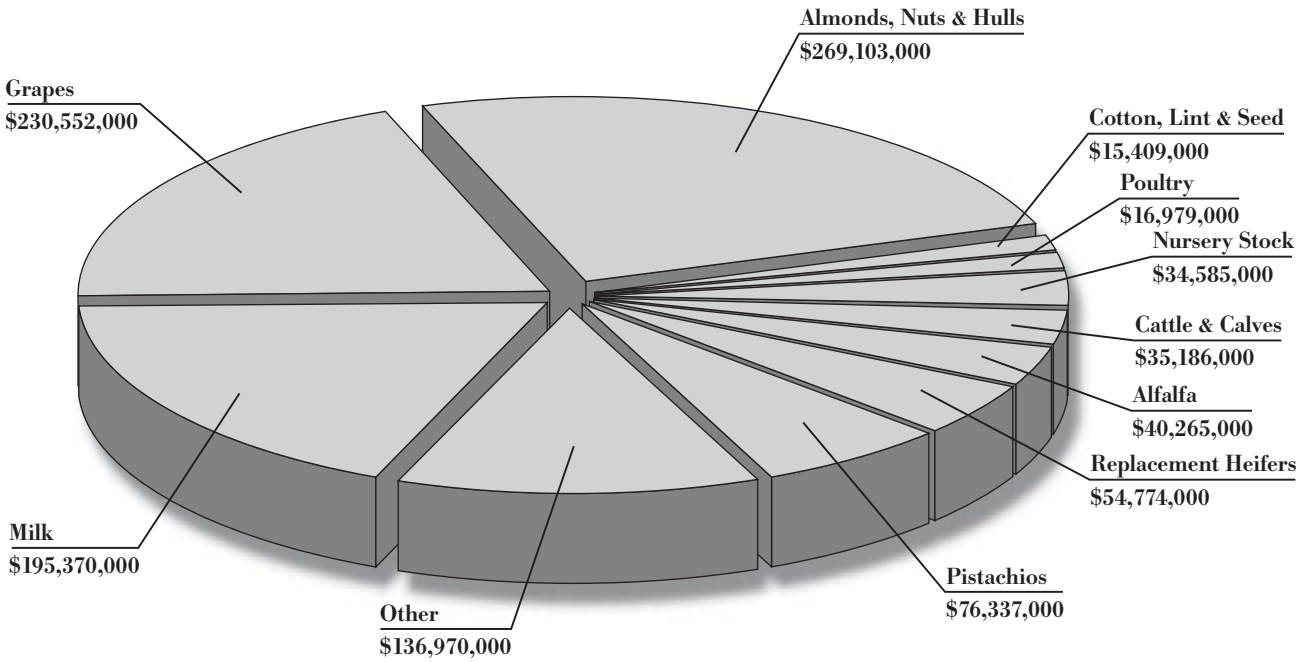
Ten Leading Crops

MADERA COUNTY 2005

Commodity	2005 Rank	2005 Dollar Value	2004 Rank
Almonds, Nuts & Hulls	1	$269,103,000	1
Grapes	2	$230,552,000	2
Milk	3	$195,370,000	3
Pistachios	4	$76,337,000	4
Replacement Heifers	5	$54,774,000	5
Alfalfa	6	$40,265,000	6
Cattle and Calves	7	$35,186,000	7
Nursery Stock	8	$34,585,000	8
Poultry	9	$16,979,000	10
Cotton, Lint & Seed	10	$15,409,000	9

Diversity, which serves to strengthen the agricultural economy of Madera County, is evident in this listing of our Ten Leading Crops, which include fruit and nut crops, field crops, nursery stock, dairy and beef cattle. The wide range of commodities produced in our county is further underscored by that segment of the chart entitled "Other," which includes such diverse products as kiwifruit, fish, sugar beets, wool, cut flowers, eggplant, firewood, and beeswax.



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. Values represent the gross value of the commodities produced; no attempt is made to reflect the cost of production and marketing, or net income to the producer.

Field Crops

		PRODUCTION				VALUE	
Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Alfalfa							
Hay	**2005**	**36,700**	**7.16**	**262,772**	**Ton**	**$141.00**	**$37,051,000**
	2004	41,500	7.47	310,005	Ton	115.00	35,651,000
	2003	40,100	7.19	288,319	Ton	102.00	29,409,000
Silage[a]	**2005**			**82,400**	**Ton**	**39.00**	**3,214,000**
	2004			58,300	Ton	32.00	1,866,000
	2003			61,400	Ton	32.00	1,965,000
Total	**2005**	**36,700**					**40,265,000**
	2004	41,500					37,517,000
	2003	40,100					31,374,000
Beans, Dry[b]	**2005**	**400**	**1.27**	**508**	**Ton**	**748.00**	**380,000**
	2004	700	1.58	1,106	Ton	562.00	622,000
	2003	980	1.42	1,392	Ton	526.00	732,000
Corn							
Grain	**2005**	**1,100**	**4.13**	**4,543**	**Ton**	**156.00**	**709,000**
	2004	2,700	5.09	13,743	Ton	132.00	1,814,000
	2003	2,900	4.17	12,093	Ton	112.00	1,354,000
Silage	**2005**	**18,400**	**25.83**	**475,272**	**Ton**	**24.00**	**11,407,000**
	2004	18,600	24.86	462,396	Ton	22.00	10,173,000
	2003	18,800	23.89	449,132	Ton	21.00	9,432,000
Total	**2005**	**19,500**					**12,116,000**
	2004	21,300					11,987,000
	2003	21,700					10,786,000
Cotton							
Lint	**2005**	**14,700**	**1,173**[c]	**35,923**	**Bale**[d]	**.75**[e]	**12,932,000**
	2004	19,600	1,469	59,984	Bale	.75	21,594,000
	2003	18,700	1,295	50,451	Bale	.75	18,162,000
Seed	**2005**			**14,400**	**Ton**	**172.00**	**2,477,000**
	2004			24,100	Ton	176.00	4,242,000
	2003			20,163	Ton	179.00	3,609,000
Oat							
Hay	**2005**	**7,900**	**3.33**	**26,307**	**Ton**	**92.00**	**2,420,000**
	2004	3,900	3.16	12,324	Ton	92.00	1,134,000
	2003	4,600	2.81	12,926	Ton	79.00	1,021,000
Pasture							
Irrigated	**2005**	**5,200**			**Acre**	**130.00**	**676,000**
	2004	5,000			Acre	130.00	650,000
	2003	5,000			Acre	130.00	650,000
Rangeland	**2005**	**353,000**			**Acre**	**12.00**	**4,236,000**
	2004	353,000			Acre	11.00	3,883,000
	2003	353,000			Acre	10.00	3,530,000

Field Crops

Item	Year	Harvested Acreage	PRODUCTION Per Acre	PRODUCTION Total	Unit	VALUE Per Unit	VALUE Total
Wheat							
Grain	**2005**	**4,000**	**2.39**	**9,560**	**Ton**	**$117.00**	**$1,119,000**
	2004	4,200	2.65	11,130	Ton	128.00	1,425,000
	2003	4,500	1.79	8,055	Ton	125.00	1,007,000
Silage	**2005**	**18,900**	**14.91**	**281,799**	**Ton**	**21.00**	**5,918,000**
	2004	16,800	11.90	199,920	Ton	17.00	3,399,000
	2003	15,100	12.99	196,149	Ton	18.00	3,531,000
Total	**2005**	**22,900**					**7,037,000**
	2004	21,000					4,824,000
	2003	19,600					4,538,000
Winter Forage	**2005**	**4,100**	**12.25**	**50,225**	**Ton**	**21.00**	**1,055,000**
	2004	5,200	10.42	54,184	Ton	17.00	921,000
	2003	3,200	11.51	36,832	Ton	15.00	552,000
Miscellaneous[f]	**2005**	**5,400**					**5,438,000**
	2004	4,000					4,274,000
	2003	2,700					3,420,000
TOTAL	**2005**	**469,800**					**$89,032,000**
	2004	475,200					91,648,000
	2003	469,600					78,374,000

a/ Alfalfa acreage yields both hay and silage
b/ Includes black-eyes, kidneys and limas
c/ Pounds
d/ Bale: 480 pounds
e/ Per pound
f/ Includes barley, safflower, sorghum, Sudan grass, seed crops, sugar beets, field stubble and straw

Vegetable Crops

Item	Year	Harvested Acreage	PRODUCTION Per Acre	PRODUCTION Total	Unit	VALUE Per Unit	VALUE Total
Tomatoes							
Fresh	**2005**	**700**	**17.01**	**11,907**	**Ton**	**$351.00**	**$4,179,000**
	2004	400	15.90	6,360	Ton	522.00	3,320,000
	2003	400	13.06	5,224	Ton	564.00	2,946,000
Processed	**2005**	**3,200**	**33.37**	**106,784**	**Ton**	**49.00**	**5,232,000**
	2004	2,900	39.40	114,260	Ton	49.00	5,599,000
	2003	1,700	34.10	57,970	Ton	50.00	2,899,000
Miscellaneous[a]	**2005**	**1,200**					**11,622,000**
	2004	1,200					15,425,000
	2003	1,500					12,472,000

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

Fruit & Nut Crops

		PRODUCTION				VALUE	
Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Almonds[a]	**2005**	**57,400**	**0.81**	**46,494**[b]	**Ton**	**$5,615.00**	**$261,064,000**
	2004	56,600	0.95	53,770	Ton	4,235.00	227,716,000
	2003	55,200	0.94	51,888	Ton	2,987.00	154,989,000
Almond Hulls	**2005**			**88,339**	**Ton**	**91.00**	**8,039,000**
	2004			102,163	Ton	82.00	8,377,000
	2003			98,587	Ton	78.00	7,690,000
Apples	**2005**	**1,020**	**11.16**	**11,383**	**Ton**	**237.00**	**2,698,000**
	2004	1,290	9.46	12,203	Ton	294.00	3,588,000
	2003	1,420	15.20	21,584	Ton	221.00	4,770,000
Figs	**2005**	**7,680**	**1.63**	**12,518**	**Ton**	**960.00**	**12,018,000**
	2004	7,600	1.67	12,692	Ton	980.00	12,438,000
	2003	8,200	1.72	14,104	Ton	957.00	13,498,000
Grapes							
Raisin Varieties							
Crushed	**2005**	**14,100**	**9.59**	**135,219**	**Ton**	**161.00**	**21,770,000**
	2004	20,100	10.02	201,402	Ton	198.00	39,878,000
	2003	12,400	9.14	113,336	Ton	93.00	10,540,000
Dried	**2005**	**21,800**	**2.63**	**57,334**	**Ton**	**1,147.00**	**65,762,000**
	2004	15,100	2.22	33,522	Ton	1,170.00	39,221,000
	2003	20,700	2.12	43,884	Ton	595.00	26,111,000
Fresh	**2005**	**1,130**	**7.70**	**8,701**	**Ton**	**737.00**	**6,413,000**
	2004	1,260	9.38	11,819	Ton	1,206.00	14,253,000
	2003	1,980	9.12	18,058	Ton	1,033.00	18,654,000
Table Varieties	**2005**	**1,870**	**8.42**	**15,745**	**Ton**	**1,181.00**	**18,595,000**
	2004	2,060	7.20	14,832	Ton	1,236.00	18,332,000
	2003	1,960	6.57	12,877	Ton	1,204.00	15,504,000
Wine Varieties[c]							
Red	**2005**	**24,300**	**11.53**	**280,179**	**Ton**	**262.00**	**73,407,000**
Varieties	2004	24,700	9.07	224,029	Ton	248.00	55,559,000
	2003	27,500	8.72	239,800	Ton	178.00	42,684,000
White	**2005**	**19,200**	**10.56**	**202,752**	**Ton**	**220.00**	**44,605,000**
Varieties	2004	21,400	8.74	187,036	Ton	206.00	38,529,000
	2003	22,700	10.70	242,890	Ton	143.00	34,733,000
Total Grapes	**2005**	**82,400**					**230,552,000**
	2004	84,620					205,772,000
	2003	87,240					148,226,000
Nectarines	**2005**	**540**	**4.18**	**2,257**	**Ton**	**932.00**	**2,104,000**
	2004	530	10.90	5,777	Ton	534.00	3,085,000
	2003	590	8.73	5,151	Ton	609.00	3,137,000

Fruit & Nut Crops

Item	Year	PRODUCTION Harvested Acreage	PRODUCTION Per Acre	PRODUCTION Total	PRODUCTION Unit	VALUE Per Unit	VALUE Total
Olives	**2005**	**1,530**	**6.74**	**10,312**	**Ton**	**$519.00**	**$5,352,000**
	2004	1,240	3.29	4,080	Ton	637.00	2,599,000
	2003	1,490	6.14	9,149	Ton	420.00	3,842,000
Oranges	**2005**	**3,830**	**16.56**	**63,425**	**Ton**	**91.00**	**5,772,000**
	2004	3,550	14.31	50,801	Ton	189.00	9,601,000
	2003	3,710	14.36	53,276	Ton	124.00	6,606,000
Peaches							
Cling	**2005**	**620**	**12.89**	**7,992**	**Ton**	**250.00**	**1,998,000**
	2004	510	13.91	7,094	Ton	246.00	1,745,000
	2003	560	16.74	9,374	Ton	222.00	2,081,000
Freestone	**2005**	**810**	**14.35**	**11,624**	**Ton**	**329.00**	**3,824,000**
	2004	960	13.73	13,181	Ton	338.00	4,455,000
	2003	1,010	12.01	12,130	Ton	278.00	3,372,000
Pistachios	**2005**	**24,100**	**0.70**	**16,870**[b]	**Ton**	**4,525.00**	**76,337,000**
	2004	23,800	1.79	42,602	Ton	2,851.00	121,458,000
	2003	22,900	0.55	12,595	Ton	2,532.00	31,891,000
Plums	**2005**	**510**	**8.03**	**4,095**	**Ton**	**721.00**	**2,953,000**
	2004	600	10.39	6,234	Ton	645.00	4,021,000
	2003	810	7.78	6,302	Ton	434.00	2,735,000
Plums, Dried	**2005**	**1,490**	**3.51**	**5,230**	**Ton**	**1,216.00**	**6,360,000**
	2004	1,230	1.61	1,980	Ton	1,266.00	2,507,000
	2003	1,560	2.77	4,321	Ton	729.00	3,150,000
Walnuts	**2005**	**1,300**	**1.29**	**1,677**	**Ton**	**1,532.00**	**2,569,000**
	2004	1,310	1.38	1,808	Ton	1,407.00	2,544,000
	2003	1,030	1.53	1,576	Ton	1,065.00	1,678,000
Miscellaneous							
Fruits & Nuts[d]	**2005**	**1,870**					**9,789,000**
	2004	1,560					8,108,000
	2003	1,480					6,193,000
Orchard Firewood	**2005**			**6,000**	**Cord**		**750,000**
	2004			6,400	Cord		672,000
	2003			6,000	Cord		810,000
TOTAL	**2005**	**185,100**					**$632,179,000**
	2004	185,400					618,686,000
	2003	187,200					394,668,000

a/ Meat basis
b/ Reflects total production, including imperfect stock; price weighted accordingly
c/ Includes table grapes crushed
d/ Includes apricots, berries, cherries, kiwis, pears, pecans, persimmons, pomegranates, tangelos, tangerines, strawberries, almond and walnut shells

Forest Products

		PRODUCTION		VALUE
Item	**Year**	**Production**	**Unit**	**Total Value**
Timber	**2005**	**3,038**	**MBF[a]**	**$486,000**
	2004	2,500	MBF	485,000
	2003	3,189	MBF	538,000
Firewood	**2005**	**1,570**	**Cords[b]**	**184,000[c]**
	2004	2,450	Cords	228,000
	2003	1,360	Cords	141,000
TOTAL	**2005**			**$670,000**
	2004			713,000
	2003			679,000

a/ Million Board Feet
b/ Cord: 128 cubic feet
c/ Includes value for Christmas trees, greenery, pinecones

Nursery Products

		PRODUCTION		VALUE
Item	**Year**	**Field Acres**	**House Sq. Ft.**	**Total Value**
Nursery Stock[a]	**2005**	**740**	**704,000**	**$34,585,000**
	2004	720	592,000	30,861,000
	2003	475	570,000	20,660,000

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

Apiary Products

		PRODUCTION			VALUE
Item	**Year**	**Total**	**Unit**	**Per Unit**	**Total**
Apiary Products					
Beeswax	**2005**	**8,400**	**Pound**	**$1.46**	**$12,000**
	2004	10,000	Pound	1.05	11,000
	2003	12,400	Pound	0.93	12,000
Honey	**2005**	**567,000**	**Pound**	**0.72**	**408,000**
	2004	527,000	Pound	0.82	432,000
	2003	659,000	Pound	1.31	863,000
Pollination	**2005**	**121,000**	**Colony**	**88.00**	**10,648,000**
	2004	130,000	Colony	54.50	7,085,000
	2003	151,000	Colony	51.40	7,761,000
TOTAL	**2005**				**$11,068,000**
	2004				7,528,000
	2003				8,636,000

Livestock and Poultry

		PRODUCTION			VALUE	
Item	Year	Head	Liveweight	Unit	Per Unit	Total
Cattle and Calves[a]	**2005**	**65,000**	**482,000**	**CWT[b]**	**$73.00**	**$35,186,000**
	2004	60,700	440,000	CWT	71.00	31,240,000
	2003	61,700	449,000	CWT	65.00	29,185,000
Replacement Heifers[c]	**2005**	**30,600**			**1,790.00**	**54,774,000**
	2004	29,100			1,570.00	45,687,000
	2003	28,500			1,650.00	47,025,000
Poultry	**2005**					**16,979,000**
	2004					14,099,000
	2003					22,125,000
TOTAL	**2005**					**$106,939,000**
	2004					91,026,000
	2003					98,335,000

a/ Range and dairy cattle sold for beef
b/ Hundredweight: 100 pounds
c/ Milk cows

Livestock and Poultry Products

		PRODUCTION		VALUE	
Item	Year	Production	Unit	Per Unit	Total
Milk Market[a]	**2005**	**13,512,117**	**CWT**	**$13.66**	**$184,517,000**
	2004	13,224,182	CWT	14.51	191,935,000
	2003	11,541,302	CWT	11.00	126,954,000
Milk Manufacturing[a]	**2005**	**733,911**	**CWT**	**14.79**	**10,853,000**
	2004	230,966	CWT	15.20	3,511,000
	2003	170,804	CWT	11.82	2,019,000
Other Products[b]	**2005**				**14,654,000**
	2004				14,326,000
	2003				12,108,000
TOTAL	**2005**				**$210,024,000**
	2004				209,772,000
	2003				141,081,000

a/ Madera County has 59 dairies, with 61,800 lactating cows
b/ Includes aquaculture, beneficial insect production, ducks, market eggs, hogs, manure, sheep, lambs and wool

Countries Receiving Madera

- Algeria
- Armenia
- Aruba
- Australia
- Austria
- Bangladesh
- Belgium
- Bermuda
- Bulgaria
- Canada
- Canary Islands
- Colombia
- Czech Republic
- Denmark
- El Salvador
- Finland
- France
- Germany
- Greece
- Hong Kong
- India
- Indonesia
- Israel
- Italy
- Japan
- Jordan
- Kuwait
- Latvia
- Lebanon
- Lithuania
- Malaysia
- Mexico

FRUIT:
Figs • Grapes • Kiwi • Nectarines
Peaches • Plums • Raisins

NUTS:
Almonds • Pistachios

County Commodities

- Morocco
- Netherlands
- New Caledonia
- New Zealand
- Norway
- Pakistan
- People's Republic of China
- Philippines
- Portugal
- Republic of Korea
- Russian Federation
- Saudi Arabia
- Singapore
- Slovakia
- Slovenia
- South Africa
- Spain
- Sri Lanka
- Sweden
- Switzerland
- Taiwan
- Thailand
- Turkey
- Ukraine
- United Arab Emirates
- United Kingdom
- Venezuela
- Vietnam

NURSERY STOCK:
Corms • Grape Cuttings • Grape Rootings
Orchard Nursery Stock • Ornamentals

FIELD CROPS:
Corn • Onions

Sustainable Agriculture Report - 2005

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.

Twenty-eight nursery locations were inspected to ensure pest cleanliness. In addition, nearly 790 shipments of plant material, received by nurseries, were inspected for potentially injurious pests prior to retail sale.

Over 11,620 beehives, transported into the county for pollination, were inspected for Red Imported Fire Ants *(Solenopsis invicta)*. Our department worked in conjunction with the California Department of Food and Agriculture to survey 5,020 acres of orchards within Madera County for the presence of Red Imported Fire Ants. In 2005, two infestations were discovered in Madera County. Delimitation revealed that the infestations involved 200 acres. The California Department of Food and Agriculture initiated pesticide bait treatments on the infested acreage. In addition, pesticide bait applications continue on 4,570 acres already under treatment. Eradication is a multi-year process and, once achieved, is followed up with continuing surveillance of the area.

Countries receiving agricultural commodities require certification that the commodities are free from potentially injurious pests. Over 2,720 phytosanitary inspections were performed on Madera County commodities destined for export.

The **Pest Detection Program** utilizes insect traps and surveys for the detection of foreign pests which may have eluded exclusion efforts.

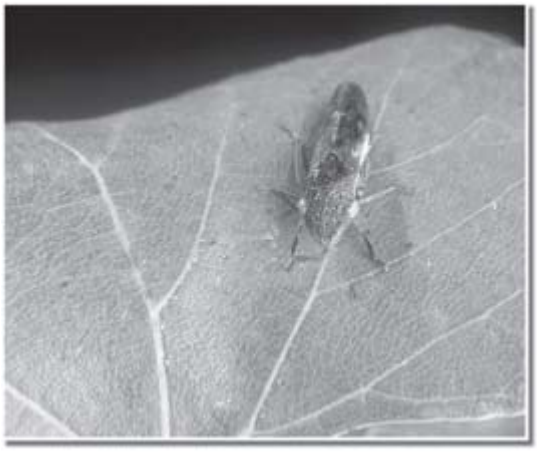
The trapping program in Madera County targeted multiple pests, including the following:

- Apple Maggot *(Rhagoletis pomonella)*
- Gypsy Moth *(Lymantria dispar)*
- Japanese Beetle *(Popillia japonica)*
- Khapra Beetle *(Trogoderma granarium)*
- European Corn Borer *(Ostrinia nubilalus)*
- Caribbean Fruit Fly *(Anastrepha suspense)*
- Mediterranean Fruit Fly *(Ceratitis capitata)*
- Melon Fly *(Dacus cucurbitae)*
- Mexican Fruit Fly *(Anastrepha ludens)*
- Oriental Fruit Fly *(Bactrocera dorsalis)*

Over 1,100 traps were placed in the county, with 11,200 trap servicings performed during the 2005 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 14,700 acres was verified, ensuring the destruction of habitat supportive of this pest.

PEST MANAGEMENT



Glassy Winged Sharpshooter *Photo courtesy USDA ARS Photo Unit, USDA ARS*

The **Glassy-winged Sharpshooter Program** serves to detect and control the vector of Pierce's Disease, a potentially catastrophic disease of vineyards. This program involved the placement of 530 traps, with 11,300 subsequent trap servicings. In addition, incoming shipments of host material and susceptible county plantings were inspected.

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

ORGANIC FARMING

Forty-three organic farms, totaling 3,900 acres, were registered in Madera County in 2005. Utilizing organic principles defined in the California Organic Products Act of 2003, these farms produce a wide array of commodities:

> almonds, apples, artichokes, arugula, basil, green beans, beets, berries, broccoli, brussels sprouts, cabbage, cantaloupe, cardoon, carrots, celery, chard, cherries, chicory, cilantro, collards, sweet corn, cotton, cucumbers, eggplant, fennel, figs, edible flowers, garlic, gourds, grapes (table, raisin, wine), honeydew melons, kale, kohlrabi, leeks, lettuce, nectarines, okra, onions, parsley, parsnips, peaches, peas, peppers, pistachios, plums, dried plums, potatoes, poultry, radish, spinach, squash, Sudan grass, tomatillos, tomatoes, turnips, watermelons

The total value of organic production in Madera County during 2005 was $10,287,000.

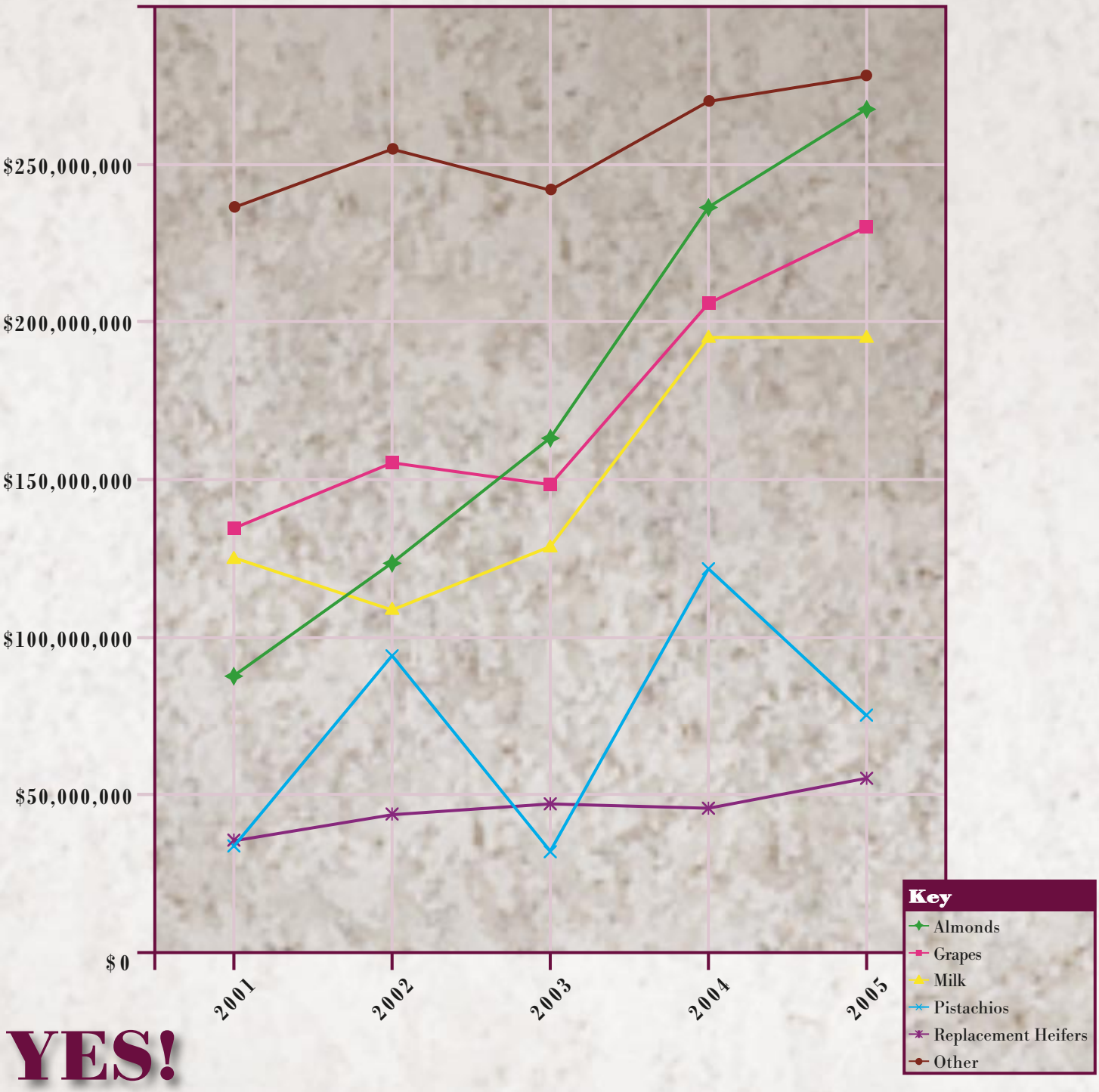
Agricultural Crop Report Summary

MADERA COUNTY 2005

Item	Year	Harvested Acerage	Total Value
Apiary	**2005**		**$11,068,000**
	2004		7,528,000
	2003		8,636,000
Field Crops	**2005**	**469,800**	**89,032,000**
	2004	475,200	91,648,000
	2003	469,600	78,374,000
Fruit and Nut Crops	**2005**	**185,100**	**632,179,000**
	2004	185,400	618,686,000
	2003	187,200	394,668,000
Livestock and Poultry	**2005**		**106,939,000**
	2004		91,026,000
	2003		98,335,000
Livestock and Poultry Products	**2005**		**210,024,000**
	2004		209,772,000
	2003		141,081,000
Nursery Products	**2005**	**740**	**34,585,000**
	2004	720	30,861,000
	2003	475	20,660,000
Forest Products	**2005**		**670,000**
	2004		713,000
	2003		679,000
Vegetable Crops	**2005**	**5,100**	**21,033,000**
	2004	4,500	24,344,000
	2003	3,600	18,317,000
TOTAL	**2005**		**$1,105,530,000**
	2004		1,074,578,000
	2003		760,750,000

One Billion Dollars

Is this level of agricultural production sustainable?



YES!

Almond acreage continues to increase. The total production value for grapes continues to climb. Milk production increases as dairy herds grow. Mirroring this increase, numbers of replacement heifers are also rising. Pistachios are an alternate-bearing crop, but continuing increases are evident in even-numbered years. Finally, the combined value of all other crops is both stable and on the rise, underscoring the viability of the industry of agriculture in Madera County.

Madera County
Department of Agriculture

332 Madera Avenue

Madera, California 93637