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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

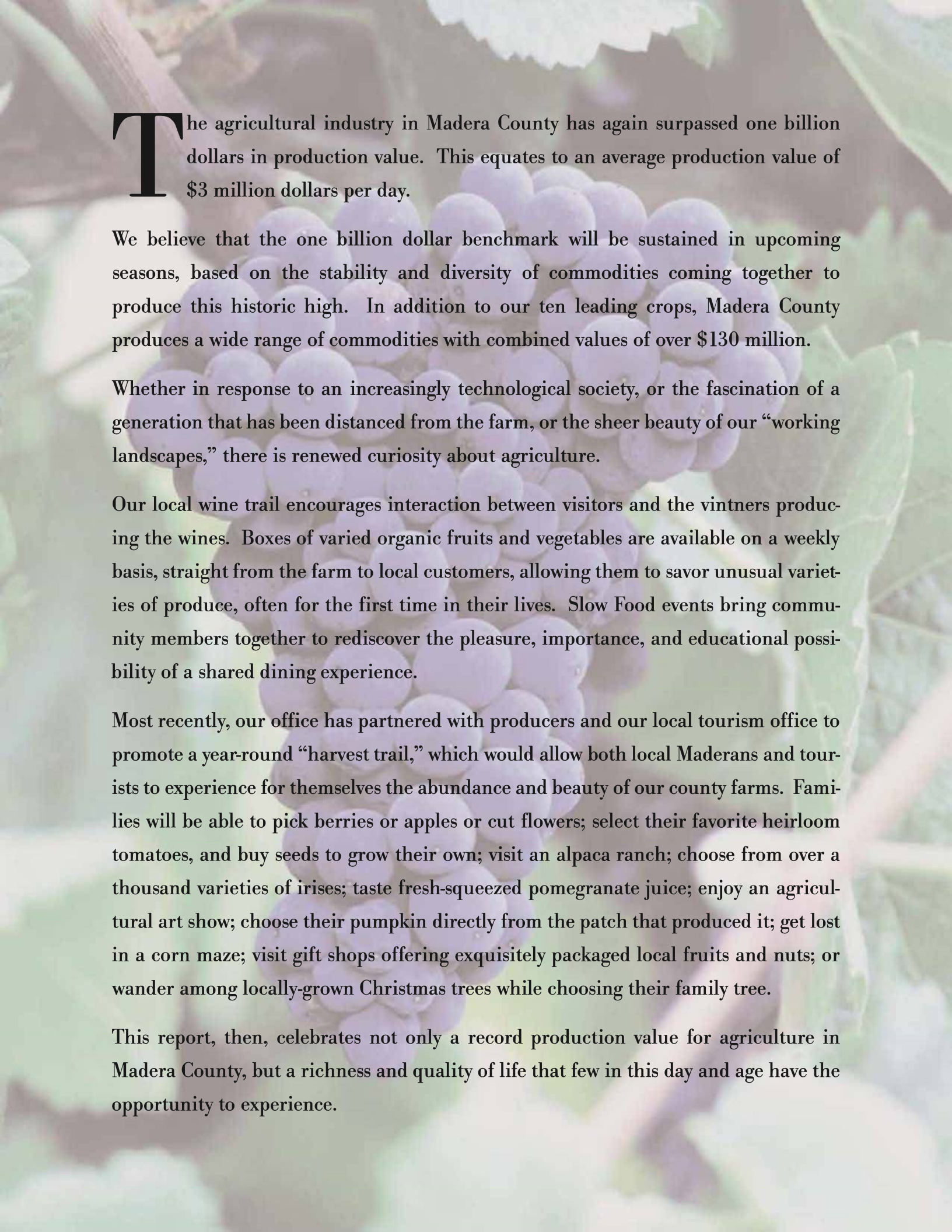
# Madera County

2005-2009

# Madera County



**Agricultural Crop Report  
2005**



**T**he 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

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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

# MADERA COUNTY HIGHLIGHTS

|                         |                |
|-------------------------|----------------|
| County Established      | March 11, 1893 |
| County Seat             | Madera (city)  |
| Population <sup>a</sup> | 142,788        |

|   |           |
|---|-----------|
| <b>Total County Acreage<sup>b</sup></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 <sup>a</sup>                    | 33 |
| Total Acreage                              | 24 |
| Total Agricultural Production <sup>b</sup> | 13 |
| Commodity, by Value <sup>c</sup>           |    |
| 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 <sup>b</sup> | 23 |
|--|----|

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

San Francisco

Lake Tahoe

Yosemite  
National  
Park

# Madera County Agricultural Crop Report

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*District 2*

Ronn Dominici

*District 3*

Max Rodriguez

*District 4*

Gary Gilbert

*District 5*

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Stell Manfredi

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Elliot Cane

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## **OFFICE SUPPORT STAFF**

Lore Ciuffoli, Office Services Supervisor

Tammy Dodson, Program Assistant II

Mary Arias, Office Assistant II

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# 2005

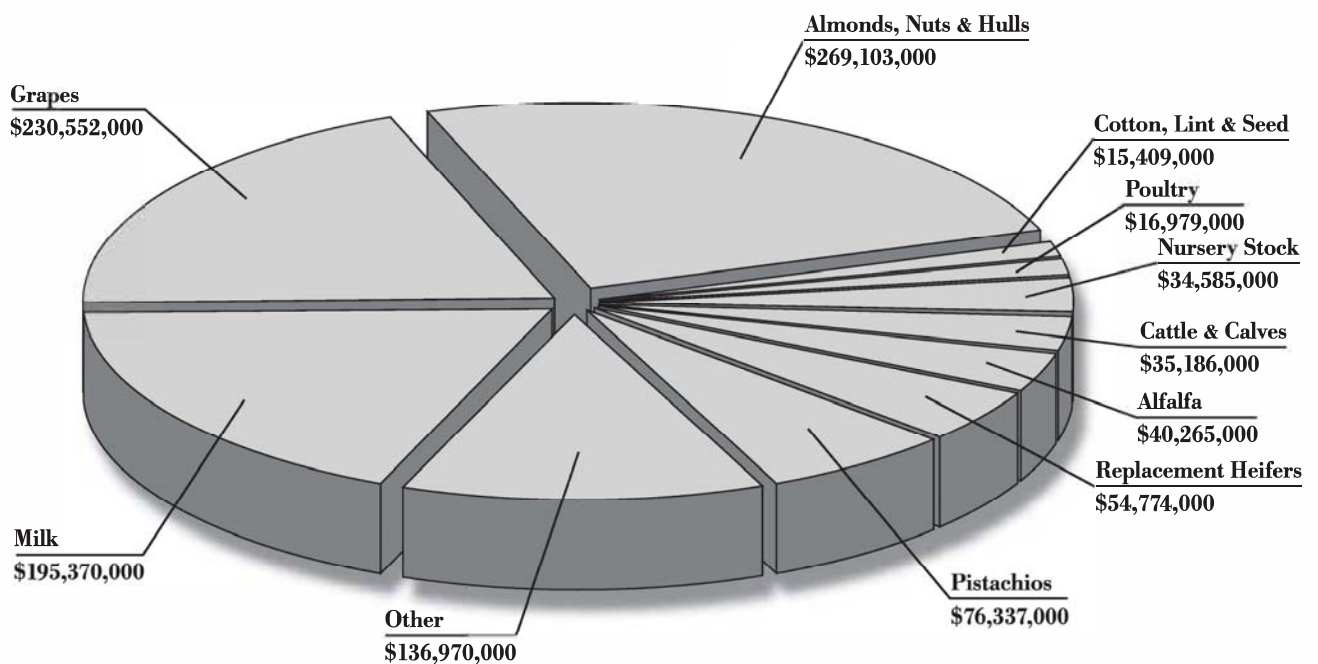


# Ten Leading Crops

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

| Item                          | Year | PRODUCTION        |                    |         | VALUE             |                  |              |
|-------------------------------|------|-------------------|--------------------|---------|-------------------|------------------|--------------|
|                               |      | Harvested Acreage | Per Acre           | Total   | Unit              | Per Unit         | Total        |
| <b>Alfalfa</b>                |      |                   |                    |         |                   |                  |              |
| 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 <sup>a</sup>           | 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   |
| <b>Beans, Dry<sup>b</sup></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      |
| <b>Corn</b>                   |      |                   |                    |         |                   |                  |              |
| 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   |
| <b>Cotton</b>                 |      |                   |                    |         |                   |                  |              |
| Lint                          | 2005 | 14,700            | 1,173 <sup>e</sup> | 35,923  | Bale <sup>d</sup> | .75 <sup>e</sup> | 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    |
| <b>Oat</b>                    |      |                   |                    |         |                   |                  |              |
| 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    |
| <b>Pasture</b>                |      |                   |                    |         |                   |                  |              |
| 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      |
| <b>Rangeland</b>              |      |                   |                    |         |                   |                  |              |
|                               | 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 | PRODUCTION        |          |         |      | VALUE    |              |
|----------------------------------|------|-------------------|----------|---------|------|----------|--------------|
|                                  |      | Harvested Acreage | Per Acre | Total   | Unit | Per Unit | Total        |
| <b>Wheat</b>                     |      |                   |          |         |      |          |              |
| 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    |
| <b>Winter Forage</b>             |      |                   |          |         |      |          |              |
|                                  | 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      |
| <b>Miscellaneous<sup>f</sup></b> |      |                   |          |         |      |          |              |
|                                  | 2005 | 5,400             |          |         |      |          | 5,438,000    |
|                                  | 2004 | 4,000             |          |         |      |          | 4,274,000    |
|                                  | 2003 | 2,700             |          |         |      |          | 3,420,000    |
| <b>TOTAL</b>                     |      |                   |          |         |      |          |              |
|                                  | 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 | PRODUCTION        |          |         |      | VALUE    |             |
|----------------------------------|------|-------------------|----------|---------|------|----------|-------------|
|                                  |      | Harvested Acreage | Per Acre | Total   | Unit | Per Unit | Total       |
| <b>Tomatoes</b>                  |      |                   |          |         |      |          |             |
| 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   |
| <b>Miscellaneous<sup>a</sup></b> |      |                   |          |         |      |          |             |
|                                  | 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

| Item                        | Year | PRODUCTION        |          |                     |      | VALUE      |               |
|-----------------------------|------|-------------------|----------|---------------------|------|------------|---------------|
|                             |      | Harvested Acreage | Per Acre | Total               | Unit | Per Unit   | Total         |
| Almonds <sup>a</sup>        | 2005 | 57,400            | 0.81     | 46,494 <sup>b</sup> | 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    |
| <b>Grapes</b>               |      |                   |          |                     |      |            |               |
| 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 <sup>c</sup> |      |                   |          |                     |      |            |               |
| Red Varieties               | 2005 | 24,300            | 11.53    | 280,179             | Ton  | 262.00     | 73,407,000    |
|                             | 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 Varieties             | 2005 | 19,200            | 10.56    | 202,752             | Ton  | 220.00     | 44,605,000    |
|                             | 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        |          |                     | VALUE |          |               |
|---|------|-------------------|----------|---------------------|-------|----------|---------------|
|   |      | Harvested Acreage | Per Acre | Total               | Unit  | Per Unit | 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<br>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 <sup>b</sup> | 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<br>Fruits & Nuts <sup>d</sup> | 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       |
| <b>TOTAL</b>                                | 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 <sup>a</sup>   | \$486,000            |
|            | 2004 | 2,500      | MBF                | 485,000              |
|            | 2003 | 3,189      | MBF                | 538,000              |
| Firewood   | 2005 | 1,570      | Cords <sup>b</sup> | 184,000 <sup>c</sup> |
|            | 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 <sup>a</sup> | 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        |
| <b>Apiary Products</b> |      |         |        |          |              |
| 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 <sup>a</sup>   | 2005 | 65,000 | 482,000    | CWT <sup>b</sup> | \$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 <sup>c</sup> | 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 <sup>a</sup>        | 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 <sup>a</sup> | 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 <sup>b</sup>     | 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 

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

 **FIELD CROPS:**  
 Corn • Onions

- Sweden 
- Switzerland  
- Taiwan   
- Thailand 
- Turkey 
- Ukraine  
- United Arab Emirates  
- United Kingdom  
- Venezuela  
- Vietnam 



# 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 nubilalis*)

Caribbean Fruit Fly (*Anastrepha suspense*)

Mediterranean Fruit Fly (*Ceratitidis capitata*)

Melon Fly (*Dacus cucurbitae*)

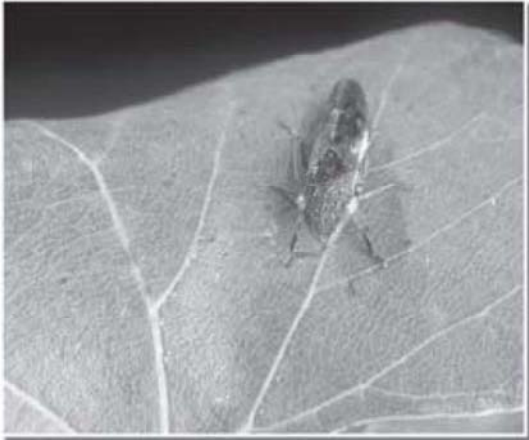
Mexican Fruit Fly (*Anastrepha ludens*)

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.



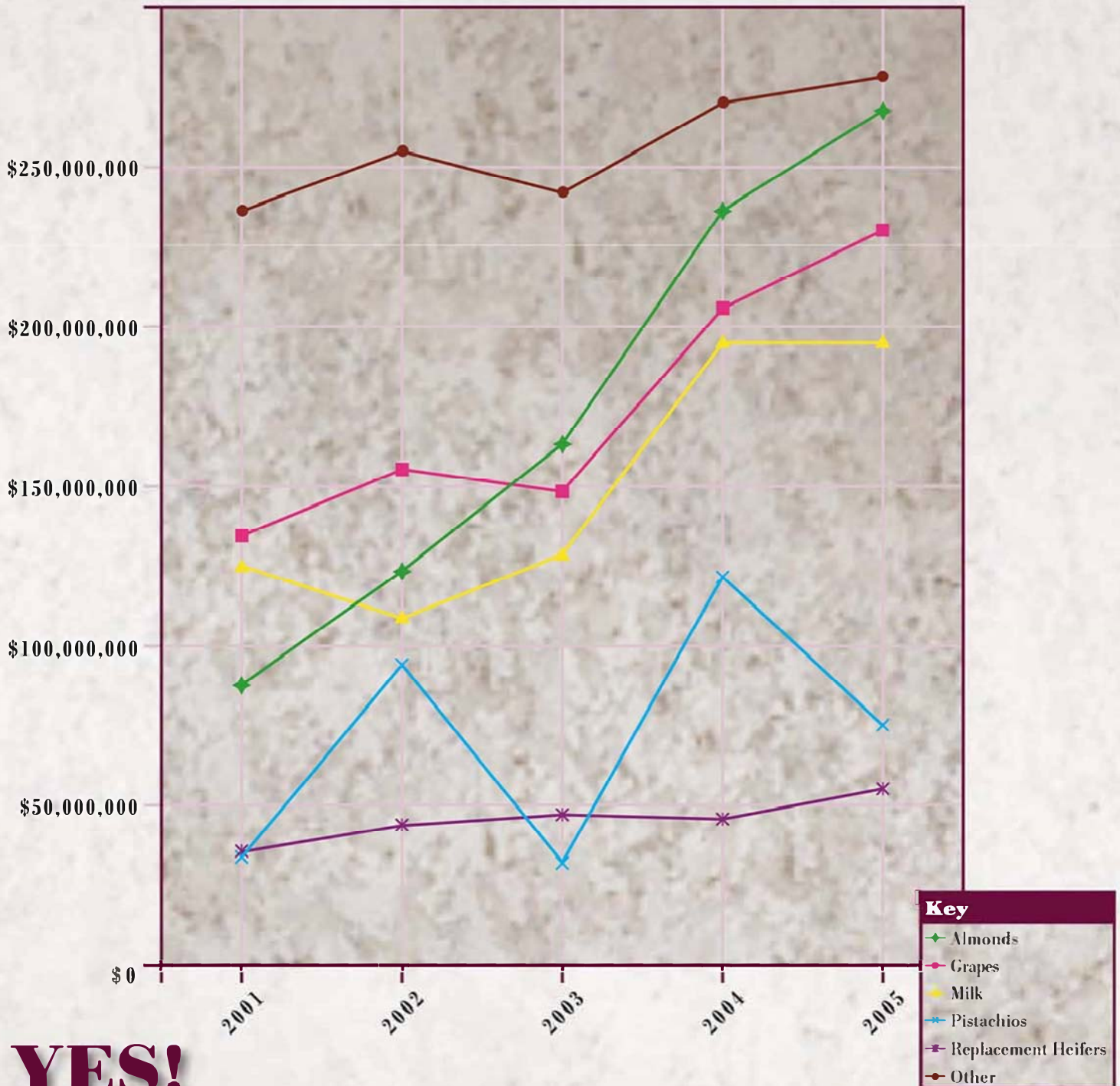
# Agricultural Crop Report Summary

## MADERA COUNTY 2005

| <b>Item</b>                    | <b>Year</b> | <b>Harvested Acreage</b> | <b>Total Value</b>     |
|--------------------------------|-------------|--------------------------|------------------------|
| 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             |
| <b>TOTAL</b>                   | 2005        |                          | <b>\$1,105,530,000</b> |
|                                | 2004        |                          | 1,074,578,000          |
|                                | 2003        |                          | 760,750,000            |

# One Billion Dollars

Is this level of agricultural production sustainable?



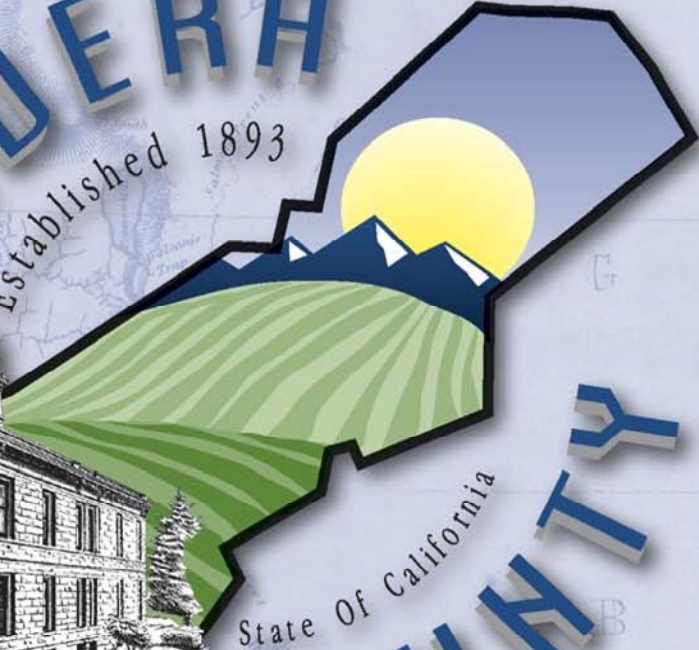
**YES!**

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

**MADERA**  
Established 1893



State Of California  
**COUNTY**

**2006**

*Agricultural Crop Report*



# Madera County Department of Agriculture Weights and Measures

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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 2006 Agricultural Crop Report.

The production value of Madera County agricultural commodities was \$1,032,902,000, surpassing the one-billion-dollar mark for the third consecutive year. Underscoring the continuing strength of agriculture in Madera County is the fact that the acreages presented in this report reflect only the acres that were harvested. Thousands of acres of permanent plantings have yet to begin producing.

Agriculture, almost by definition, is an industry of transformation. The season of 2006 embodied change. Almond acreage soared. Apple acreage halved. Pomegranate plantings grew fourfold. Cotton, for decades the leading crop in Madera County, dropped off the Top Ten list altogether. Tomato plantings jumped by nearly 2,000 acres. A heat wave caused record losses of cattle, and yet milk production was so strong that the final tally was 72 million pounds above the preceding year. These changes have not occurred accidentally, but rather as the result of tough and deliberate decisions. Madera County agriculture is positioned on the global stage.

It must be emphasized that the values presented in this report reflect the gross value of the commodities produced, and do not in any manner reflect net income or loss to producers. Producers bear unprecedented burdens in “the cost of doing business” and are to be commended for their efforts to comply with regulations in the midst of such change.

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

Sincerely,

Robert J. Rolan  
Agricultural Commissioner



# MADERA COUNTY HIGHLIGHTS

|                         |                |
|-------------------------|----------------|
| County Established      | March 11, 1893 |
| County Seat             | Madera (city)  |
| Population <sup>a</sup> | 146,345        |

|   |           |
|---|-----------|
| <b>Total County Acreage<sup>b</sup></b> | 1,366,951 |
| 2006 Harvested Acreage                  | 653,200   |
| Field Crop Acreage                      | 110,400   |
| Fruit and Nut Acreage                   | 183,000   |
| Nursery Acreage                         | 600       |
| Vegetable Acreage                       | 6,200     |
| 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 <sup>a</sup>                    | 33 |
| Total Acreage                              | 24 |
| Total Agricultural Production <sup>b</sup> | 13 |
| Commodity, by Value <sup>c</sup>           |    |
| Figs                                       | 1  |
| Grapes, Raisin Variety                     | 2  |
| Pistachios                                 | 5  |
| Olives                                     | 5  |
| Almonds                                    | 5  |
| Nectarines                                 | 5  |
| Plums                                      | 5  |
| Grapes, Table Variety                      | 6  |
| Grapes, Wine Variety                       | 7  |
| Milk, Market                               | 9  |

## Ranking of Madera County Among Counties of the United States

|  |    |
|--|----|
| Total Agricultural Production <sup>b</sup> | 23 |
|--|----|

a/ US Bureau of Census, 2006 Estimate  
b/ USDA Ag Census, 2002  
c/ County Agricultural  
Commissioner's Data, 2005

San Francisco

Lake Tahoe

Yosemite  
National  
Park

# Madera County Agricultural Crop Report

## **MADERA COUNTY BOARD OF SUPERVISORS**

Frank Bigelow

*District 1*

Vern Moss

*District 2*

Ronn Dominici

*District 3*

Max Rodriguez

*District 4*

Tom Wheeler

*District 5*

## **COUNTY ADMINISTRATIVE OFFICER**

Stell Manfredi

## **AGRICULTURAL COMMISSIONER/ SEALER OF WEIGHTS & MEASURES**

Robert J. Rolan

## **ASSISTANT AGRICULTURAL COMMISSIONER/SEALER**

Jay Seslowe

## **DEPUTY AGRICULTURAL COMMISSIONER**

Melissa Cregan

## **AGRICULTURAL & STANDARDS INSPECTORS**

Jason Contreras

Molly LaDou

Judy Cumming

Austin Miller

Marilyn Key

Mike Riccardi

Cha Vang

## **AGRICULTURAL & STANDARDS TECHNICIAN**

Bobby Arias

## **PEST DETECTION TRAPPERS**

Elliott Cane

Harry Simons

## **OFFICE SUPPORT STAFF**

Lore Ciuffoli, Administrative Analyst

Tammy Dodson, Program Assistant II

Mary Arias, Program Assistant I

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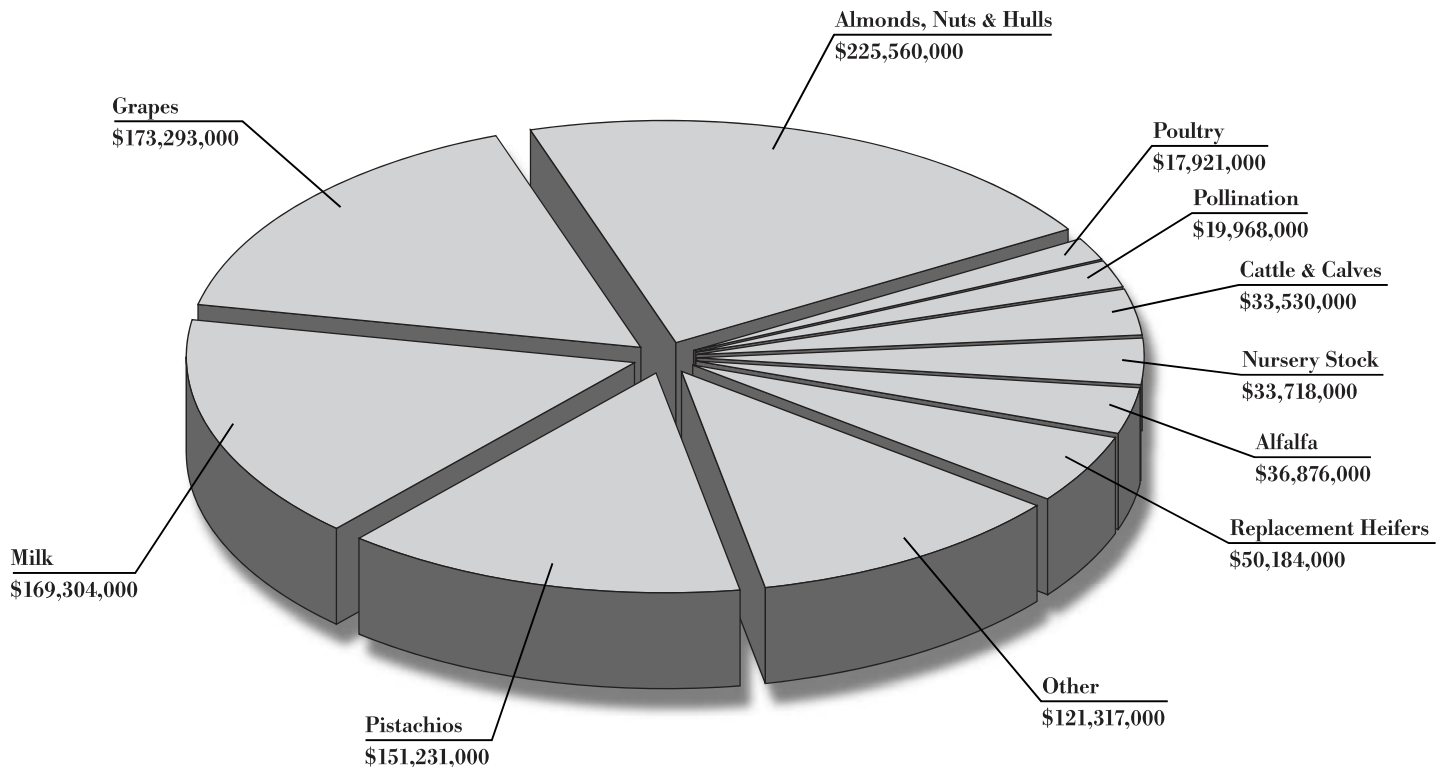
# 2006

# Ten Leading Crops

Madera County 2006

| Commodity             | 2006 Rank | 2006 Dollar Value | 2005 Rank |
|-----------------------|-----------|-------------------|-----------|
| Almonds, Nuts & Hulls | 1         | \$225,560,000     | 1         |
| Grapes                | 2         | \$173,293,000     | 2         |
| Milk                  | 3         | \$169,304,000     | 3         |
| Pistachios            | 4         | \$151,231,000     | 4         |
| Replacement Heifers   | 5         | \$50,184,000      | 5         |
| Alfalfa               | 6         | \$36,876,000      | 6         |
| Nursery Stock         | 7         | \$33,718,000      | 8         |
| Cattle and Calves     | 8         | \$33,530,000      | 7         |
| Pollination           | 9         | \$19,968,000      | -         |
| Poultry               | 10        | \$17,921,000      | 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

| Item                          | Year | PRODUCTION        |                    |         | VALUE             |                  |              |
|-------------------------------|------|-------------------|--------------------|---------|-------------------|------------------|--------------|
|                               |      | Harvested Acreage | Per Acre           | Total   | Unit              | Per Unit         | Total        |
| <b>Alfalfa</b>                |      |                   |                    |         |                   |                  |              |
| Hay                           | 2006 | 36,500            | 7.56               | 275,940 | Ton               | \$129.00         | \$35,596,000 |
|                               | 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   |
| Silage <sup>a</sup>           | 2006 |                   |                    | 45,700  | Ton               | 28.00            | 1,280,000    |
|                               | 2005 |                   |                    | 82,400  | Ton               | 39.00            | 3,214,000    |
|                               | 2004 |                   |                    | 58,300  | Ton               | 32.00            | 1,866,000    |
| Total                         | 2006 | 36,500            |                    |         |                   |                  | 36,876,000   |
|                               | 2005 | 36,700            |                    |         |                   |                  | 40,265,000   |
|                               | 2004 | 41,500            |                    |         |                   |                  | 37,517,000   |
| <b>Beans, Dry<sup>b</sup></b> |      |                   |                    |         |                   |                  |              |
|                               | 2006 | 500               | 1.52               | 760     | Ton               | 720.00           | 547,000      |
|                               | 2005 | 400               | 1.27               | 508     | Ton               | 748.00           | 380,000      |
|                               | 2004 | 700               | 1.58               | 1,106   | Ton               | 562.00           | 622,000      |
| <b>Corn</b>                   |      |                   |                    |         |                   |                  |              |
| Grain                         | 2006 | 800               | 3.53               | 2,824   | Ton               | 166.00           | 469,000      |
|                               | 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    |
| Silage                        | 2006 | 20,800            | 26.97              | 560,976 | Ton               | 24.00            | 13,463,000   |
|                               | 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   |
| Total                         | 2006 | 21,600            |                    |         |                   |                  | 13,932,000   |
|                               | 2005 | 19,500            |                    |         |                   |                  | 12,116,000   |
|                               | 2004 | 21,300            |                    |         |                   |                  | 11,987,000   |
| <b>Cotton</b>                 |      |                   |                    |         |                   |                  |              |
| Lint                          | 2006 | 10,200            | 1,224 <sup>e</sup> | 26,010  | Bale <sup>d</sup> | .73 <sup>c</sup> | 9,114,000    |
|                               | 2005 | 14,700            | 1,173              | 35,923  | Bale              | .75              | 12,932,000   |
|                               | 2004 | 19,600            | 1,469              | 59,984  | Bale              | .75              | 21,594,000   |
| Seed                          | 2006 |                   |                    | 10,400  | Ton               | 175.00           | 1,820,000    |
|                               | 2005 |                   |                    | 14,400  | Ton               | 172.00           | 2,477,000    |
|                               | 2004 |                   |                    | 24,100  | Ton               | 176.00           | 4,242,000    |
| <b>Oat</b>                    |      |                   |                    |         |                   |                  |              |
| Hay                           | 2006 | 4,900             | 3.32               | 16,268  | Ton               | 77.00            | 1,253,000    |
|                               | 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    |
| <b>Pasture</b>                |      |                   |                    |         |                   |                  |              |
| Irrigated                     | 2006 | 4,800             |                    |         | Acre              | 130.00           | 624,000      |
|                               | 2005 | 5,200             |                    |         | Acre              | 130.00           | 676,000      |
|                               | 2004 | 5,000             |                    |         | Acre              | 130.00           | 650,000      |
| Rangeland                     | 2006 | 353,000           |                    |         | Acre              | 12.00            | 4,236,000    |
|                               | 2005 | 353,000           |                    |         | Acre              | 12.00            | 4,236,000    |
|                               | 2004 | 353,000           |                    |         | Acre              | 11.00            | 3,883,000    |

# Field Crops

| Item                       | Year | PRODUCTION        |          |         |      | VALUE    |              |
|----------------------------|------|-------------------|----------|---------|------|----------|--------------|
|                            |      | Harvested Acreage | Per Acre | Total   | Unit | Per Unit | Total        |
| <b>Wheat</b>               |      |                   |          |         |      |          |              |
| Grain                      | 2006 | 3,000             | 2.63     | 7,890   | Ton  | \$140.00 | \$1,105,000  |
|                            | 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    |
| Silage                     | 2006 | 21,000            | 15.67    | 329,070 | Ton  | 20.00    | 6,581,000    |
|                            | 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    |
| Total                      | 2006 | 24,000            |          |         |      |          | 7,686,000    |
|                            | 2005 | 22,900            |          |         |      |          | 7,037,000    |
|                            | 2004 | 21,000            |          |         |      |          | 4,824,000    |
| Winter Forage              | 2006 | 3,700             | 9.43     | 34,891  | Ton  | 20.00    | 698,000      |
|                            | 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      |
| Miscellaneous <sup>f</sup> | 2006 | 4,200             |          |         |      |          | 4,834,000    |
|                            | 2005 | 5,400             |          |         |      |          | 5,438,000    |
|                            | 2004 | 4,000             |          |         |      |          | 4,274,000    |
| TOTAL                      | 2006 | 463,400           |          |         |      |          | \$81,620,000 |
|                            | 2005 | 469,800           |          |         |      |          | 89,032,000   |
|                            | 2004 | 475,200           |          |         |      |          | 91,648,000   |

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, sorghum, Sudan grass, seed crops, sugar beets, field stubble and straw

# Vegetable Crops

| Item                       | Year | PRODUCTION        |          |         |      | VALUE    |             |
|----------------------------|------|-------------------|----------|---------|------|----------|-------------|
|                            |      | Harvested Acreage | Per Acre | Total   | Unit | Per Unit | Total       |
| <b>Tomatoes</b>            |      |                   |          |         |      |          |             |
| Fresh                      | 2006 | 600               | 16.81    | 10,086  | Ton  | \$401.00 | \$4,042,000 |
|                            | 2005 | 700               | 17.01    | 11,907  | Ton  | 351.00   | 4,179,000   |
|                            | 2004 | 400               | 15.90    | 6,360   | Ton  | 522.00   | 3,320,000   |
| Processed                  | 2006 | 5,100             | 36.90    | 188,190 | Ton  | 57.00    | 10,727,000  |
|                            | 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   |
| Miscellaneous <sup>a</sup> | 2006 | 500               |          |         |      |          | 6,188,000   |
|                            | 2005 | 1,200             |          |         |      |          | 11,622,000  |
|                            | 2004 | 1,200             |          |         |      |          | 15,425,000  |

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

# *Fruit & Nut Crops*

| <b>PRODUCTION</b>                 |             |                              |                     |                     |             | <b>VALUE</b>        |               |
|-----------------------------------|-------------|------------------------------|---------------------|---------------------|-------------|---------------------|---------------|
| <b>Item</b>                       | <b>Year</b> | <b>Harvested<br/>Acreage</b> | <b>Per<br/>Acre</b> | <b>Total</b>        | <b>Unit</b> | <b>Per<br/>Unit</b> | <b>Total</b>  |
| Almonds <sup>a</sup>              | 2006        | 62,100                       | 0.86                | 53,406 <sup>b</sup> | Ton         | \$4,043.00          | \$215,920,000 |
|                                   | 2005        | 57,400                       | 0.81                | 46,494              | Ton         | 5,615.00            | 261,064,000   |
|                                   | 2004        | 56,600                       | 0.95                | 53,770              | Ton         | 4,235.00            | 227,716,000   |
| Almond Hulls                      | 2006        |                              |                     | 101,471             | Ton         | 95.00               | 9,640,000     |
|                                   | 2005        |                              |                     | 88,339              | Ton         | 91.00               | 8,039,000     |
|                                   | 2004        |                              |                     | 102,163             | Ton         | 82.00               | 8,377,000     |
| Apples                            | 2006        | 510                          | 7.59                | 3,871               | Ton         | 236.00              | 914,000       |
|                                   | 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     |
| Figs                              | 2006        | 5,870                        | 1.52                | 8,922               | Ton         | 921.00              | 8,218,000     |
|                                   | 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    |
| <b>Grapes</b>                     |             |                              |                     |                     |             |                     |               |
| <b>Raisin Varieties</b>           |             |                              |                     |                     |             |                     |               |
| Crushed                           | 2006        | 13,100                       | 7.02                | 91,962              | Ton         | 151.00              | 13,886,000    |
|                                   | 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    |
| Dried                             | 2006        | 21,400                       | 2.18                | 46,652              | Ton         | 1,092.00            | 50,944,000    |
|                                   | 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    |
| Fresh                             | 2006        | 970                          | 6.90                | 6,693               | Ton         | 826.00              | 5,528,000     |
|                                   | 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    |
| Table Varieties                   | 2006        | 2,130                        | 8.01                | 17,061              | Ton         | 1,322.00            | 22,555,000    |
|                                   | 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    |
| <b>Wine Varieties<sup>c</sup></b> |             |                              |                     |                     |             |                     |               |
| Red Varieties                     | 2006        | 22,200                       | 9.67                | 214,674             | Ton         | 212.00              | 45,511,000    |
|                                   | 2005        | 24,300                       | 11.53               | 280,179             | Ton         | 262.00              | 73,407,000    |
|                                   | 2004        | 24,700                       | 9.07                | 224,029             | Ton         | 248.00              | 55,559,000    |
| White Varieties                   | 2006        | 18,900                       | 9.51                | 179,739             | Ton         | 194.00              | 34,869,000    |
|                                   | 2005        | 19,200                       | 10.56               | 202,752             | Ton         | 220.00              | 44,605,000    |
|                                   | 2004        | 21,400                       | 8.74                | 187,036             | Ton         | 206.00              | 38,529,000    |
| Total Grapes                      | 2006        | 78,700                       |                     |                     |             |                     | 173,293,000   |
|                                   | 2005        | 82,400                       |                     |                     |             |                     | 230,552,000   |
|                                   | 2004        | 84,620                       |                     |                     |             |                     | 205,772,000   |
| Nectarines                        | 2006        | 500                          | 3.77                | 1,885               | Ton         | 644.00              | 1,214,000     |
|                                   | 2005        | 540                          | 4.18                | 2,257               | Ton         | 932.00              | 2,104,000     |
|                                   | 2004        | 530                          | 10.90               | 5,777               | Ton         | 534.00              | 3,085,000     |

# Fruit & Nut Crops

| PRODUCTION                 |      |                      |             |                     |      | VALUE       |               |
|----------------------------|------|----------------------|-------------|---------------------|------|-------------|---------------|
| Item                       | Year | Harvested<br>Acreage | Per<br>Acre | Total               | Unit | Per<br>Unit | Total         |
| Olives                     | 2006 | 1,320                | 0.70        | 924                 | Ton  | \$884.00    | \$817,000     |
|                            | 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     |
| Oranges                    | 2006 | 3,650                | 14.61       | 53,327              | Ton  | 94.00       | 5,013,000     |
|                            | 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     |
| <b>Peaches</b>             |      |                      |             |                     |      |             |               |
| Cling                      | 2006 | 550                  | 11.32       | 6,226               | Ton  | 265.00      | 1,650,000     |
|                            | 2005 | 620                  | 12.89       | 7,992               | Ton  | 250.00      | 1,998,000     |
|                            | 2004 | 510                  | 13.91       | 7,094               | Ton  | 246.00      | 1,745,000     |
| Freestone                  | 2006 | 620                  | 13.25       | 8,215               | Ton  | 397.00      | 3,261,000     |
|                            | 2005 | 810                  | 14.35       | 11,624              | Ton  | 329.00      | 3,824,000     |
|                            | 2004 | 960                  | 13.73       | 13,181              | Ton  | 338.00      | 4,455,000     |
| Pistachios                 | 2006 | 24,300               | 1.50        | 36,450 <sup>b</sup> | Ton  | 4,149.00    | 151,231,000   |
|                            | 2005 | 24,100               | 0.70        | 16,870              | Ton  | 4,525.00    | 76,337,000    |
|                            | 2004 | 23,800               | 1.79        | 42,602              | Ton  | 2,851.00    | 121,458,000   |
| Plums                      | 2006 | 380                  | 7.14        | 2,713               | Ton  | 766.00      | 2,078,000     |
|                            | 2005 | 510                  | 8.03        | 4,095               | Ton  | 721.00      | 2,953,000     |
|                            | 2004 | 600                  | 10.39       | 6,234               | Ton  | 645.00      | 4,021,000     |
| Plums, Dried               | 2006 | 1,320                | 2.56        | 3,379               | Ton  | 1,392.00    | 4,704,000     |
|                            | 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     |
| Walnuts                    | 2006 | 1,320                | 1.43        | 1,888               | Ton  | 1,610.00    | 3,039,000     |
|                            | 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     |
| <b>Miscellaneous</b>       |      |                      |             |                     |      |             |               |
| Fruits & Nuts <sup>d</sup> | 2006 | 1,860                |             |                     |      |             | 9,112,000     |
|                            | 2005 | 1,870                |             |                     |      |             | 9,789,000     |
|                            | 2004 | 1,560                |             |                     |      |             | 8,108,000     |
| Orchard Firewood           | 2006 |                      |             | 6,500               | Cord |             | 910,000       |
|                            | 2005 |                      |             | 6,000               | Cord |             | 750,000       |
|                            | 2004 |                      |             | 6,400               | Cord |             | 672,000       |
| <b>TOTAL</b>               | 2006 | 183,000              |             |                     |      |             | \$591,014,000 |
|                            | 2005 | 185,100              |             |                     |      |             | 632,179,000   |
|                            | 2004 | 185,400              |             |                     |      |             | 618,686,000   |

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     | 2006 | 2,361      | MBF <sup>a</sup>  | \$402,000            |
|            | 2005 | 3,038      | MBF               | 486,000              |
|            | 2004 | 2,500      | MBF               | 485,000              |
| Firewood   | 2006 | 1,470      | Cord <sup>b</sup> | 181,000 <sup>c</sup> |
|            | 2005 | 1,570      | Cords             | 184,000              |
|            | 2004 | 2,450      | Cords             | 228,000              |
| TOTAL      | 2006 |            |                   | \$583,000            |
|            | 2005 |            |                   | 670,000              |
|            | 2004 |            |                   | 713,000              |

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 <sup>a</sup> | 2006 | 640         | 739,000       | \$33,718,000 |
|                            | 2005 | 740         | 704,000       | 34,585,000   |
|                            | 2004 | 720         | 592,000       | 30,861,000   |

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

# Apiary Products

| PRODUCTION      |      |         |        | VALUE    |              |
|-----------------|------|---------|--------|----------|--------------|
| Item            | Year | Total   | Unit   | Per Unit | Total        |
| Apiary Products |      |         |        |          |              |
| Beeswax         | 2006 | 11,800  | Pound  | \$1.03   | \$12,000     |
|                 | 2005 | 8,400   | Pound  | 1.46     | 12,000       |
|                 | 2004 | 10,000  | Pound  | 1.05     | 11,000       |
| Honey           | 2006 | 631,000 | Pound  | 0.98     | 618,000      |
|                 | 2005 | 567,000 | Pound  | 0.72     | 408,000      |
|                 | 2004 | 527,000 | Pound  | 0.82     | 432,000      |
| Pollination     | 2006 | 156,000 | Colony | 128.00   | 19,968,000   |
|                 | 2005 | 121,000 | Colony | 88.00    | 10,648,000   |
|                 | 2004 | 130,000 | Colony | 54.50    | 7,085,000    |
| TOTAL           | 2006 |         |        |          | \$20,598,000 |
|                 | 2005 |         |        |          | 11,068,000   |
|                 | 2004 |         |        |          | 7,528,000    |

# *Livestock and Poultry*

| <b>PRODUCTION</b>                |             |             |                   |                  | <b>VALUE</b>    |                      |
|----------------------------------|-------------|-------------|-------------------|------------------|-----------------|----------------------|
| <b>Item</b>                      | <b>Year</b> | <b>Head</b> | <b>Liveweight</b> | <b>Unit</b>      | <b>Per Unit</b> | <b>Total</b>         |
| Cattle and Calves <sup>a</sup>   | 2006        | 68,000      | 479,000           | CWT <sup>b</sup> | \$70.00         | \$33,530,000         |
|                                  | 2005        | 65,000      | 482,000           | CWT              | 73.00           | 35,186,000           |
|                                  | 2004        | 60,700      | 440,000           | CWT              | 71.00           | 31,240,000           |
| Replacement Heifers <sup>c</sup> | 2006        | 30,600      |                   |                  | 1,640.00        | 50,184,000           |
|                                  | 2005        | 30,600      |                   |                  | 1,790.00        | 54,774,000           |
|                                  | 2004        | 29,100      |                   |                  | 1,570.00        | 45,687,000           |
| Poultry                          | 2006        |             |                   |                  |                 | 17,921,000           |
|                                  | 2005        |             |                   |                  |                 | 16,979,000           |
|                                  | 2004        |             |                   |                  |                 | 14,099,000           |
| <b>TOTAL</b>                     | 2006        |             |                   |                  |                 | <b>\$101,635,000</b> |
|                                  | 2005        |             |                   |                  |                 | 106,939,000          |
|                                  | 2004        |             |                   |                  |                 | 91,026,000           |

a/ Range and dairy cattle sold for beef

b/ Hundredweight: 100 pounds

c/ Milk cows

# *Livestock and Poultry Products*

| <b>PRODUCTION</b>               |             |                   |             |                 | <b>VALUE</b>         |  |
|---------------------------------|-------------|-------------------|-------------|-----------------|----------------------|--|
| <b>Item</b>                     | <b>Year</b> | <b>Production</b> | <b>Unit</b> | <b>Per Unit</b> | <b>Total</b>         |  |
| Milk Market <sup>a</sup>        | 2006        | 14,237,015        | CWT         | \$11.33         | \$161,254,000        |  |
|                                 | 2005        | 13,512,117        | CWT         | 13.66           | 184,517,000          |  |
|                                 | 2004        | 13,224,182        | CWT         | 14.51           | 191,935,000          |  |
| Milk Manufacturing <sup>a</sup> | 2006        | 636,470           | CWT         | 12.65           | 8,050,000            |  |
|                                 | 2005        | 733,911           | CWT         | 14.79           | 10,853,000           |  |
|                                 | 2004        | 230,966           | CWT         | 15.20           | 3,511,000            |  |
| Other Products <sup>b</sup>     | 2006        |                   |             |                 | 13,473,000           |  |
|                                 | 2005        |                   |             |                 | 14,654,000           |  |
|                                 | 2004        |                   |             |                 | 14,326,000           |  |
| <b>TOTAL</b>                    | 2006        |                   |             |                 | <b>\$182,777,000</b> |  |
|                                 | 2005        |                   |             |                 | 210,024,000          |  |
|                                 | 2004        |                   |             |                 | 209,772,000          |  |

a/ Madera County has 59 dairies, with 61,800 lactating cows

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

# Agricultural Crop Report Summary

Madera County 2006

| Item                                  | Year        | Harvested Acreage | Total Value            |
|---------------------------------------|-------------|-------------------|------------------------|
| <b>Apiary</b>                         | <b>2006</b> |                   | <b>\$20,598,000</b>    |
|                                       | 2005        |                   | 11,068,000             |
|                                       | 2004        |                   | 7,528,000              |
| <b>Field Crops</b>                    | <b>2006</b> | <b>463,400</b>    | <b>81,620,000</b>      |
|                                       | 2005        | 469,800           | 89,032,000             |
|                                       | 2004        | 475,200           | 91,648,000             |
| <b>Fruit and Nut Crops</b>            | <b>2006</b> | <b>183,000</b>    | <b>591,014,000</b>     |
|                                       | 2005        | 185,100           | 632,179,000            |
|                                       | 2004        | 185,400           | 618,686,000            |
| <b>Livestock and Poultry</b>          | <b>2006</b> |                   | <b>101,635,000</b>     |
|                                       | 2005        |                   | 106,939,000            |
|                                       | 2004        |                   | 91,026,000             |
| <b>Livestock and Poultry Products</b> | <b>2006</b> |                   | <b>182,777,000</b>     |
|                                       | 2005        |                   | 210,024,000            |
|                                       | 2004        |                   | 209,772,000            |
| <b>Nursery Products</b>               | <b>2006</b> | <b>640</b>        | <b>33,718,000</b>      |
|                                       | 2005        | 740               | 34,585,000             |
|                                       | 2004        | 720               | 30,861,000             |
| <b>Forest Products</b>                | <b>2006</b> |                   | <b>583,000</b>         |
|                                       | 2005        |                   | 670,000                |
|                                       | 2004        |                   | 713,000                |
| <b>Vegetable Crops</b>                | <b>2006</b> | <b>6,200</b>      | <b>20,957,000</b>      |
|                                       | 2005        | 5,100             | 21,033,000             |
|                                       | 2004        | 4,500             | 24,344,000             |
| <b>TOTAL</b>                          | <b>2006</b> |                   | <b>\$1,032,902,000</b> |
|                                       | 2005        |                   | 1,105,530,000          |
|                                       | 2004        |                   | 1,074,578,000          |

# 2006 Sustainable Agriculture Report

The **Pest Exclusion Program** prevents the introduction of injurious pests that are not of common occurrence in the county.

During 2006, 550 shipments of plant material, received by nurseries, were inspected for potentially injurious pests prior to retail sale.

Over 950 acres were surveyed for Red Imported Fire Ants, including commercial nurseries, recently-landscaped residential developments, and orchards pollinated by out-of-state beehives. Over 4,900 acres are under treatment for Red Imported Fire Ants.

Countries receiving agricultural commodities require certification that the commodities are free from potentially injurious pests. Nearly 2,650 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*

*Caribbean Fruit Fly*

*European Corn Borer*

*Gypsy Moth*

*Japanese Beetle*

*Khapra Beetle*

*Mediterranean Fruit Fly*

*Melon Fly*

*Mexican Fruit Fly*

*Oriental Fruit Fly*

Nearly 1,150 traps were deployed in the county, with over 9,200 trap servicings performed during the 2006 season.

The **Integrated Pest Control Program** strives to eradicate infestations of new pests before they become widespread. Pink Bollworm was controlled by post-season plowdown of 10,200 acres of cotton plants.

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 10,000 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.

Forty-five organic farms, totaling nearly 5,000 acres, were registered in Madera County in 2006. 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, 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 2006 was \$12,800,000.



*Madera County  
Department of Agriculture*

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*332 Madera Avenue*

*Madera, California 93637*

# **MADERA COUNTY DEPARTMENT OF AGRICULTURE**

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## ***2007 AGRICULTURAL CROP REPORT***

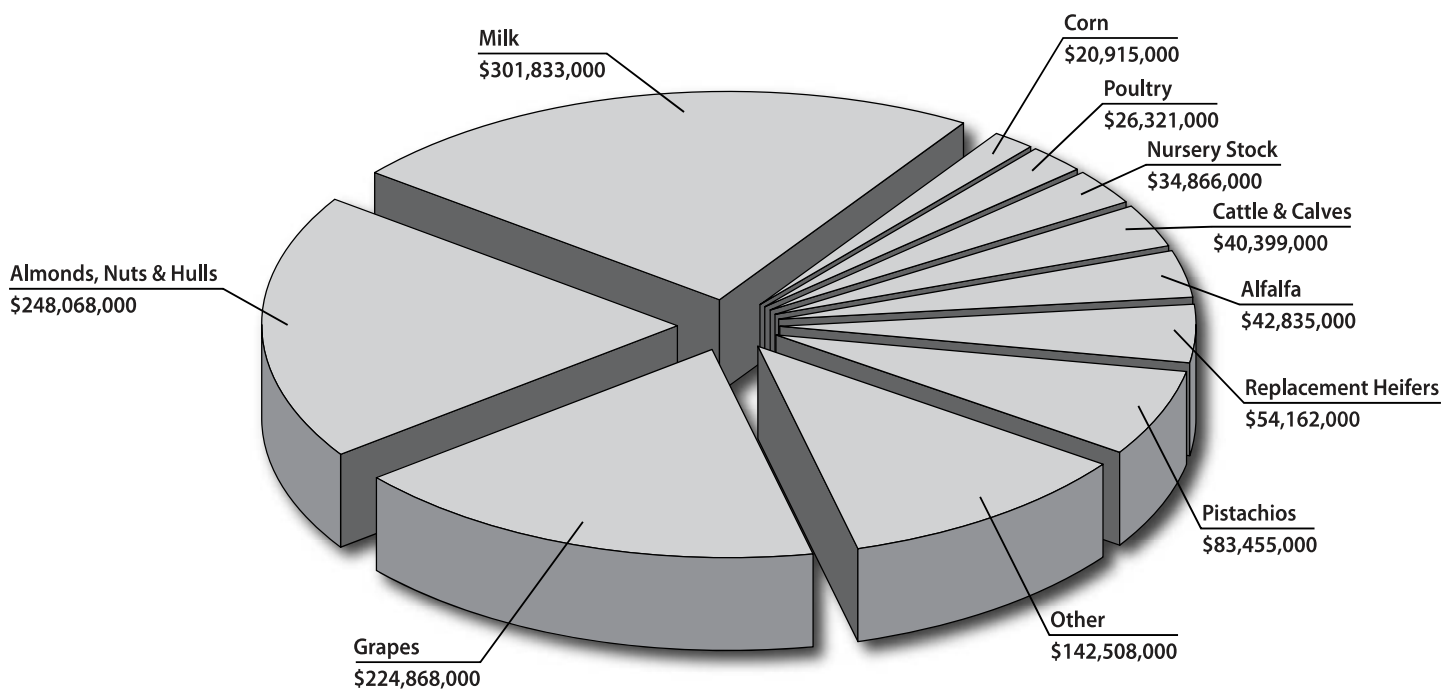




# TEN LEADING CROPS MADERA COUNTY 2007

| Commodity             | 2007 Rank | 2007 Dollar Value | 2006 Rank |
|-----------------------|-----------|-------------------|-----------|
| Milk                  | 1         | \$301,833,000     | 3         |
| Almonds, Nuts & Hulls | 2         | \$248,068,000     | 1         |
| Grapes                | 3         | \$224,868,000     | 2         |
| Pistachios            | 4         | \$83,455,000      | 4         |
| Replacement Heifers   | 5         | \$54,162,000      | 5         |
| Alfalfa               | 6         | \$42,835,000      | 6         |
| Cattle and Calves     | 7         | \$40,399,000      | 8         |
| Nursery Stock         | 8         | \$34,866,000      | 7         |
| Poultry               | 9         | \$26,321,000      | 10        |
| Corn                  | 10        | \$20,915,000      | —         |

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 Department of Agriculture Weights and Measures

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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  
Frank Bigelow, Ronn Dominici, Vern Moss, Max Rodriguez, and Tom Wheeler

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2007 Agricultural Crop Report. This report summarizes the acreage, yield, and gross values of agricultural commodities produced in Madera County but does not in any manner reflect net income or loss to producers.

Madera County's total value of agricultural production in 2007 was \$1,220,230,000. This represents an 18% increase over the total reported in 2006.

For the first time since it was initially reported in 1940, milk has become Madera County's leading commodity with a value of \$301,833,000. This represents a 78% increase over the combined value of market and manufacturing milk in 2006. And, as Madera County's dairy industry has grown, so has the demand for herd replacement and the crops that provide feed to them, further adding to our local economy.

Overall, field crop values saw a gain of almost 10% over 2006, mainly due to increased alfalfa and corn values. Conversely, cotton acreage was sharply reduced to 5,100 acres. Permanent crops saw a gain of almost \$25 million over 2006, buoyed by increases in grapes and almonds. However, the value of pistachios fell almost 45% from last year's level.

This year's report features a retrospective glance at Madera County agriculture. Beginning with the 1937 crop report, total value, leading crops, and other points of interest are tracked in ten year increments. It provides an opportunity to note the trends of the past seventy years and reflect upon the changes that have occurred in our county's most important industry.

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, and industry representatives. I would also like to thank all the members of my staff, especially Cha Vang who compiled the information in its final form.

Sincerely,

Robert J. Rolan  
Agricultural Commissioner/Sealer



# MADERA COUNTY HIGHLIGHTS

|                         |                |
|-------------------------|----------------|
| County Established      | March 11, 1893 |
| County Seat             | Madera (city)  |
| Population <sup>a</sup> | 146,345        |

|   |           |
|---|-----------|
| <b>Total County Acreage<sup>b</sup></b> | 1,366,951 |
| 2007 Harvested Acreage                  | 648,300   |
| Field Crop Acreage                      | 101,400   |
| Fruit and Nut Acreage                   | 186,900   |
| Nursery Acreage                         | 700       |
| Vegetable Acreage                       | 6,300     |
| 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 |

Lake Tahoe

## Ranking of Madera County Among Counties of California

|  |    |
|--|----|
| Population <sup>a</sup>                    | 33 |
| Total Acreage                              | 24 |
| Total Agricultural Production <sup>b</sup> | 13 |
| Commodity, by Value <sup>c</sup>           |    |
| Figs                                       | 1  |
| Grapes, Raisin Variety                     | 2  |
| Pistachios                                 | 2  |
| Almonds                                    | 5  |
| Nectarines                                 | 5  |
| Plums                                      | 5  |
| Grapes, Table Variety                      | 5  |
| Olives                                     | 6  |
| Grapes, Wine Variety                       | 8  |
| Milk, Market                               | 9  |

Yosemite  
National  
Park

San Francisco

## Ranking of Madera County Among Counties of the United States

|  |    |
|--|----|
| Total Agricultural Production <sup>b</sup> | 23 |
|--|----|

- a/ US Bureau of Census, 2006 Estimate  
 b/ USDA Ag Census, 2002  
 c/ County Agricultural  
 Commissioner's Data, 2006

# MADERA COUNTY DEPARTMENT OF AGRICULTURE

## 2007 AGRICULTURAL CROP REPORT

### MADERA COUNTY STAFF

#### Madera County Board of Supervisors

Frank Bigelow

*District 1*

Vern Moss

*District 2*

Ronn Dominici

*District 3*

Max Rodriguez

*District 4*

Tom Wheeler

*District 5*

#### County Administrative Officer

Stell Manfredi

#### Agricultural Commissioner/ Sealer of Weights & Measures

Robert J. Rolan

#### Assistant Agricultural Commissioner/Sealer

Jay Seslowe

#### Deputy Agricultural Commissioner

Melissa Cregan

#### Agricultural & Standards Inspectors

Mary Clarke

Cristian Medina

Jason Contreras

Jason Robbins

Judy Cumming

Erik Smith

Molly LaDou

Cha Vang

#### Agricultural & Standards Technician

Bobby Arias

#### Pest Detection Trappers

John Balbas

Steven Portugal

Joanna Perez

Antionatte Shipman

Landy Peterson

Harry Simons

Rosie Valdovinos

#### Administrative Support Staff

Lore Ciuffoli, Administrative Analyst

Tammy Dodson, Program Assistant II

Mary Arias, Program Assistant I

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# FIELD CROPS

|                               |      | PRODUCTION        |                    |         |                   | VALUE            |              |
|-------------------------------|------|-------------------|--------------------|---------|-------------------|------------------|--------------|
| Item                          | Year | Harvested Acreage | Per Acre           | Total   | Unit              | Per Unit         | Total        |
| <b>Alfalfa</b>                |      |                   |                    |         |                   |                  |              |
| Hay                           | 2007 | 32,100            | 7.58               | 243,318 | Ton               | \$170.00         | \$41,364,000 |
|                               | 2006 | 36,500            | 7.56               | 275,940 | Ton               | 129.00           | 35,596,000   |
|                               | 2005 | 36,700            | 7.16               | 262,772 | Ton               | 141.00           | 37,051,000   |
| Silage <sup>a</sup>           | 2007 |                   |                    | 38,700  | Ton               | 38.00            | 1,471,000    |
|                               | 2006 |                   |                    | 45,700  | Ton               | 28.00            | 1,280,000    |
|                               | 2005 |                   |                    | 82,400  | Ton               | 39.00            | 3,214,000    |
| Total                         | 2007 | 32,100            |                    |         |                   |                  | 42,835,000   |
|                               | 2006 | 36,500            |                    |         |                   |                  | 36,876,000   |
|                               | 2005 | 36,700            |                    |         |                   |                  | 40,265,000   |
| <b>Beans, Dry<sup>b</sup></b> |      |                   |                    |         |                   |                  |              |
|                               | 2007 | 420               | 1.66               | 697     | Ton               | 780.00           | 544,000      |
|                               | 2006 | 500               | 1.52               | 760     | Ton               | 720.00           | 547,000      |
|                               | 2005 | 400               | 1.27               | 508     | Ton               | 748.00           | 380,000      |
| <b>Corn</b>                   |      |                   |                    |         |                   |                  |              |
| Grain                         | 2007 | 1,100             | 2.26               | 2,486   | Ton               | 130.00           | 323,000      |
|                               | 2006 | 800               | 3.53               | 2,824   | Ton               | 166.00           | 469,000      |
|                               | 2005 | 1,100             | 4.13               | 4,543   | Ton               | 156.00           | 709,000      |
| Silage                        | 2007 | 24,700            | 27.79              | 686,413 | Ton               | 30.00            | 20,592,000   |
|                               | 2006 | 20,800            | 26.97              | 560,976 | Ton               | 24.00            | 13,463,000   |
|                               | 2005 | 18,400            | 25.83              | 475,272 | Ton               | 24.00            | 11,407,000   |
| Total                         | 2007 | 25,800            |                    |         |                   |                  | 20,915,000   |
|                               | 2006 | 21,600            |                    |         |                   |                  | 13,932,000   |
|                               | 2005 | 19,500            |                    |         |                   |                  | 12,116,000   |
| <b>Cotton</b>                 |      |                   |                    |         |                   |                  |              |
| Lint                          | 2007 | 5,100             | 1,206 <sup>c</sup> | 12,814  | Bale <sup>d</sup> | .71 <sup>e</sup> | 4,367,000    |
|                               | 2006 | 10,200            | 1,224              | 26,010  | Bale              | .73              | 9,114,000    |
|                               | 2005 | 14,700            | 1,173              | 35,923  | Bale              | .75              | 12,932,000   |
| Seed                          | 2007 |                   |                    | 6,800   | Ton               | 215.00           | 1,462,000    |
|                               | 2006 |                   |                    | 10,400  | Ton               | 175.00           | 1,820,000    |
|                               | 2005 |                   |                    | 14,400  | Ton               | 172.00           | 2,477,000    |
| <b>Oat</b>                    |      |                   |                    |         |                   |                  |              |
| Hay                           | 2007 | 3,800             | 2.73               | 10,374  | Ton               | 121.00           | 1,255,000    |
|                               | 2006 | 4,900             | 3.32               | 16,268  | Ton               | 77.00            | 1,253,000    |
|                               | 2005 | 7,900             | 3.33               | 26,307  | Ton               | 92.00            | 2,420,000    |
| <b>Pasture</b>                |      |                   |                    |         |                   |                  |              |
| Irrigated                     | 2007 | 4,500             |                    |         | Acre              | 130.00           | 585,000      |
|                               | 2006 | 4,800             |                    |         | Acre              | 130.00           | 624,000      |
|                               | 2005 | 5,200             |                    |         | Acre              | 130.00           | 676,000      |
| <b>Rangeland</b>              |      |                   |                    |         |                   |                  |              |
|                               | 2007 | 353,000           |                    |         | Acre              | 12.00            | 4,236,000    |
|                               | 2006 | 353,000           |                    |         | Acre              | 12.00            | 4,236,000    |
|                               | 2005 | 353,000           |                    |         | Acre              | 12.00            | 4,236,000    |



## FIELD CROPS

| Item                             | Year        | PRODUCTION        |              |                | VALUE      |                 |                     |
|----------------------------------|-------------|-------------------|--------------|----------------|------------|-----------------|---------------------|
|                                  |             | Harvested Acreage | Per Acre     | Total          | Unit       | Per Unit        | Total               |
| <b>Wheat</b>                     |             |                   |              |                |            |                 |                     |
| <b>Grain</b>                     | <b>2007</b> | <b>3,700</b>      | <b>2.42</b>  | <b>8,954</b>   | <b>Ton</b> | <b>\$159.00</b> | <b>\$1,424,000</b>  |
|                                  | 2006        | 3,000             | 2.63         | 7,890          | Ton        | 140.00          | 1,105,000           |
|                                  | 2005        | 4,000             | 2.39         | 9,560          | Ton        | 117.00          | 1,119,000           |
| <b>Silage</b>                    | <b>2007</b> | <b>17,000</b>     | <b>15.29</b> | <b>259,930</b> | <b>Ton</b> | <b>23.00</b>    | <b>5,978,000</b>    |
|                                  | 2006        | 21,000            | 15.67        | 329,070        | Ton        | 20.00           | 6,581,000           |
|                                  | 2005        | 18,900            | 14.91        | 281,799        | Ton        | 21.00           | 5,918,000           |
| <b>Total</b>                     | <b>2007</b> | <b>20,700</b>     |              |                |            |                 | <b>7,402,000</b>    |
|                                  | 2006        | 24,000            |              |                |            |                 | 7,686,000           |
|                                  | 2005        | 22,900            |              |                |            |                 | 7,037,000           |
| <b>Winter Forage</b>             | <b>2007</b> | <b>4,400</b>      | <b>10.27</b> | <b>45,188</b>  | <b>Ton</b> | <b>23.00</b>    | <b>1,039,000</b>    |
|                                  | 2006        | 3,700             | 9.43         | 34,891         | Ton        | 20.00           | 698,000             |
|                                  | 2005        | 4,100             | 12.25        | 50,225         | Ton        | 21.00           | 1,055,000           |
| <b>Miscellaneous<sup>f</sup></b> | <b>2007</b> | <b>4,600</b>      |              |                |            |                 | <b>4,750,000</b>    |
|                                  | 2006        | 4,200             |              |                |            |                 | 4,834,000           |
|                                  | 2005        | 5,400             |              |                |            |                 | 5,438,000           |
| <b>TOTAL</b>                     | <b>2007</b> | <b>454,420</b>    |              |                |            |                 | <b>\$89,390,000</b> |
|                                  | 2006        | 463,400           |              |                |            |                 | 81,620,000          |
|                                  | 2005        | 469,800           |              |                |            |                 | 89,032,000          |

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, sorghum, Sudan grass, seed crops, sugar beets, safflower, rice, field stubble and straw



## VEGETABLE CROPS

| Item                             | Year        | PRODUCTION        |              |                | VALUE      |                 |                    |
|----------------------------------|-------------|-------------------|--------------|----------------|------------|-----------------|--------------------|
|                                  |             | Harvested Acreage | Per Acre     | Total          | Unit       | Per Unit        | Total              |
| <b>Tomatoes</b>                  |             |                   |              |                |            |                 |                    |
| <b>Fresh</b>                     | <b>2007</b> | <b>300</b>        | <b>16.21</b> | <b>4,863</b>   | <b>Ton</b> | <b>\$470.00</b> | <b>\$2,286,000</b> |
|                                  | 2006        | 600               | 16.81        | 10,086         | Ton        | 401.00          | 4,042,000          |
|                                  | 2005        | 700               | 17.01        | 11,907         | Ton        | 351.00          | 4,179,000          |
| <b>Processed</b>                 | <b>2007</b> | <b>5,400</b>      | <b>45.86</b> | <b>247,644</b> | <b>Ton</b> | <b>59.00</b>    | <b>14,611,000</b>  |
|                                  | 2006        | 5,100             | 36.90        | 188,190        | Ton        | 57.00           | 10,727,000         |
|                                  | 2005        | 3,200             | 33.37        | 106,784        | Ton        | 49.00           | 5,232,000          |
| <b>Miscellaneous<sup>a</sup></b> | <b>2007</b> | <b>640</b>        |              |                |            |                 | <b>6,671,000</b>   |
|                                  | 2006        | 500               |              |                |            |                 | 6,188,000          |
|                                  | 2005        | 1,200             |              |                |            |                 | 11,622,000         |

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



# FRUIT & NUT CROPS

| Item                              | Year | PRODUCTION        |          |                     | VALUE |            |               |
|-----------------------------------|------|-------------------|----------|---------------------|-------|------------|---------------|
|                                   |      | Harvested Acreage | Per Acre | Total               | Unit  | Per Unit   | Total         |
| Almonds <sup>a</sup>              | 2007 | 64,500            | 1.01     | 65,145 <sup>b</sup> | Ton   | \$3,579.00 | \$233,154,000 |
|                                   | 2006 | 62,100            | 0.86     | 53,406              | Ton   | 4,043.00   | 215,920,000   |
|                                   | 2005 | 57,400            | 0.81     | 46,494              | Ton   | 5,615.00   | 261,064,000   |
| Almond Hulls                      | 2007 |                   |          | 139,380             | Ton   | 107.00     | 14,914,000    |
|                                   | 2006 |                   |          | 101,471             | Ton   | 95.00      | 9,640,000     |
|                                   | 2005 |                   |          | 88,339              | Ton   | 91.00      | 8,039,000     |
| Cherries                          | 2007 | 310               | 4.42     | 1,370               | Ton   | 3,074.00   | 4,212,000     |
|                                   | 2006 | -                 | -        | -                   | -     | -          | -             |
|                                   | 2005 | -                 | -        | -                   | -     | -          | -             |
| Figs                              | 2007 | 5,970             | 1.70     | 10,149              | Ton   | 1,402.00   | 14,229,000    |
|                                   | 2006 | 5,870             | 1.52     | 8,922               | Ton   | 921.00     | 8,218,000     |
|                                   | 2005 | 7,680             | 1.63     | 12,518              | Ton   | 960.00     | 12,018,000    |
| <b>Grapes</b>                     |      |                   |          |                     |       |            |               |
| <b>Raisin Varieties</b>           |      |                   |          |                     |       |            |               |
| Crushed                           | 2007 | 12,700            | 9.71     | 123,317             | Ton   | 169.00     | 20,841,000    |
|                                   | 2006 | 13,100            | 7.02     | 91,962              | Ton   | 151.00     | 13,886,000    |
|                                   | 2005 | 14,100            | 9.59     | 135,219             | Ton   | 161.00     | 21,770,000    |
| Dried                             | 2007 | 21,600            | 2.76     | 59,616              | Ton   | 1,098.00   | 65,458,000    |
|                                   | 2006 | 21,400            | 2.18     | 46,652              | Ton   | 1,092.00   | 50,944,000    |
|                                   | 2005 | 21,800            | 2.63     | 57,334              | Ton   | 1,147.00   | 65,762,000    |
| Fresh                             | 2007 | 1,520             | 9.54     | 14,501              | Ton   | 929.00     | 13,471,000    |
|                                   | 2006 | 970               | 6.90     | 6,693               | Ton   | 826.00     | 5,528,000     |
|                                   | 2005 | 1,130             | 7.70     | 8,701               | Ton   | 737.00     | 6,413,000     |
| Table Varieties                   | 2007 | 2,100             | 8.51     | 17,871              | Ton   | 1,617.00   | 28,897,000    |
|                                   | 2006 | 2,130             | 8.01     | 17,061              | Ton   | 1,322.00   | 22,555,000    |
|                                   | 2005 | 1,870             | 8.42     | 15,745              | Ton   | 1,181.00   | 18,595,000    |
| <b>Wine Varieties<sup>c</sup></b> |      |                   |          |                     |       |            |               |
| Red Varieties                     | 2007 | 23,300            | 11.49    | 267,717             | Ton   | 221.00     | 59,165,000    |
|                                   | 2006 | 22,200            | 9.67     | 214,674             | Ton   | 212.00     | 45,511,000    |
|                                   | 2005 | 24,300            | 11.53    | 280,179             | Ton   | 262.00     | 73,407,000    |
| White Varieties                   | 2007 | 17,500            | 10.03    | 175,525             | Ton   | 211.00     | 37,036,000    |
|                                   | 2006 | 18,900            | 9.51     | 179,739             | Ton   | 194.00     | 34,869,000    |
|                                   | 2005 | 19,200            | 10.56    | 202,752             | Ton   | 220.00     | 44,605,000    |
| Total Grapes                      | 2007 | 78,720            |          |                     |       |            | 224,868,000   |
|                                   | 2006 | 78,700            |          |                     |       |            | 173,293,000   |
|                                   | 2005 | 82,400            |          |                     |       |            | 230,552,000   |
| Nectarines                        | 2007 | 490               | 6.56     | 3,214               | Ton   | 633.00     | 2,035,000     |
|                                   | 2006 | 500               | 3.77     | 1,885               | Ton   | 644.00     | 1,214,000     |
|                                   | 2005 | 540               | 4.18     | 2,257               | Ton   | 932.00     | 2,104,000     |



# FRUIT & NUT CROPS

|  |             | PRODUCTION        |              |                           |             | VALUE           |                      |
|--|-------------|-------------------|--------------|---------------------------|-------------|-----------------|----------------------|
| Item   | Year        | Harvested Acreage | Per Acre     | Total                     | Unit        | Per Unit        | Total                |
| <b>Olives</b>  | <b>2007</b> | <b>1,330</b>      | <b>1.78</b>  | <b>2,367</b>              | <b>Ton</b>  | <b>\$914.00</b> | <b>\$2,164,000</b>   |
|  | 2006        | 1,320             | 0.70         | 924                       | Ton         | 884.00          | 817,000              |
|  | 2005        | 1,530             | 6.74         | 10,312                    | Ton         | 519.00          | 5,352,000            |
| <b>Oranges</b>   | <b>2007</b> | <b>3,840</b>      | <b>13.61</b> | <b>52,262</b>             | <b>Ton</b>  | <b>145.00</b>   | <b>7,578,000</b>     |
|  | 2006        | 3,650             | 14.61        | 53,327                    | Ton         | 94.00           | 5,013,000            |
|  | 2005        | 3,830             | 16.56        | 63,425                    | Ton         | 91.00           | 5,772,000            |
| <b>Peaches<br/>Cling</b>                               | <b>2007</b> | <b>410</b>        | <b>16.36</b> | <b>6,708</b>              | <b>Ton</b>  | <b>238.00</b>   | <b>1,596,000</b>     |
|  | 2006        | 550               | 11.32        | 6,226                     | Ton         | 265.00          | 1,650,000            |
|  | 2005        | 620               | 12.89        | 7,992                     | Ton         | 250.00          | 1,998,000            |
| <b>Freestone</b>                                       | <b>2007</b> | <b>600</b>        | <b>15.63</b> | <b>9,378</b>              | <b>Ton</b>  | <b>257.00</b>   | <b>2,410,000</b>     |
|  | 2006        | 620               | 13.25        | 8,215                     | Ton         | 397.00          | 3,261,000            |
|  | 2005        | 810               | 14.35        | 11,624                    | Ton         | 329.00          | 3,824,000            |
| <b>Pistachios</b>                                      | <b>2007</b> | <b>25,200</b>     | <b>1.14</b>  | <b>28,728<sup>b</sup></b> | <b>Ton</b>  | <b>2,905.00</b> | <b>83,455,000</b>    |
|  | 2006        | 24,300            | 1.50         | 36,450                    | Ton         | 4,149.00        | 151,231,000          |
|  | 2005        | 24,100            | 0.70         | 16,870                    | Ton         | 4,525.00        | 76,337,000           |
| <b>Plums</b>   | <b>2007</b> | <b>390</b>        | <b>8.97</b>  | <b>3,498</b>              | <b>Ton</b>  | <b>821.00</b>   | <b>2,872,000</b>     |
|  | 2006        | 380               | 7.14         | 2,713                     | Ton         | 766.00          | 2,078,000            |
|  | 2005        | 510               | 8.03         | 4,095                     | Ton         | 721.00          | 2,953,000            |
| <b>Plums, Dried</b>                                    | <b>2007</b> | <b>1,200</b>      | <b>3.23</b>  | <b>3,876</b>              | <b>Ton</b>  | <b>1,410.00</b> | <b>5,465,000</b>     |
|  | 2006        | 1,320             | 2.56         | 3,379                     | Ton         | 1,392.00        | 4,704,000            |
|  | 2005        | 1,490             | 3.51         | 5,230                     | Ton         | 1,216.00        | 6,360,000            |
| <b>Walnuts</b>   | <b>2007</b> | <b>1,460</b>      | <b>1.30</b>  | <b>1,898</b>              | <b>Ton</b>  | <b>2,060.00</b> | <b>3,910,000</b>     |
|  | 2006        | 1,320             | 1.43         | 1,888                     | Ton         | 1,610.00        | 3,039,000            |
|  | 2005        | 1,300             | 1.29         | 1,677                     | Ton         | 1,532.00        | 2,569,000            |
| <b>Miscellaneous<br/>Fruits &amp; Nuts<sup>d</sup></b> | <b>2007</b> | <b>2,430</b>      |              |                           |             |                 | <b>11,810,000</b>    |
|  | 2006        | 1,860             |              |                           |             |                 | 9,112,000            |
|  | 2005        | 1,870             |              |                           |             |                 | 9,789,000            |
| <b>Orchard<br/>Firewood</b>                            | <b>2007</b> |                   |              | <b>7,500</b>              | <b>Cord</b> |                 | <b>1,125,000</b>     |
|  | 2006        |                   |              | 6,500                     | Cord        |                 | 910,000              |
|  | 2005        |                   |              | 6,000                     | Cord        |                 | 750,000              |
| <b>TOTAL</b>   | <b>2007</b> | <b>186,850</b>    |              |                           |             |                 | <b>\$615,797,000</b> |
|  | 2006        | 183,000           |              |                           |             |                 | 591,014,000          |
|  | 2005        | 185,100           |              |                           |             |                 | 632,179,000          |

a/ Meat basis

b/ Reflects total production, including imperfect stock; price weighted accordingly

c/ Includes table grapes crushed

d/ Includes apricots, berries, kiwis, pears, pecans, persimmons, pomegranates, tangelos, tangerines, strawberries, almond and walnut shells, apples



## FOREST PRODUCTS

| Item     | Year | PRODUCTION |                   | VALUE                |  |
|----------|------|------------|-------------------|----------------------|--|
|          |      | Production | Unit              | Total Value          |  |
| Timber   | 2007 | 7,074      | MBF <sup>a</sup>  | \$987,000            |  |
|          | 2006 | 2,361      | MBF               | 402,000              |  |
|          | 2005 | 3,038      | MBF               | 486,000              |  |
| Firewood | 2007 | 1,255      | Cord <sup>b</sup> | 270,000 <sup>c</sup> |  |
|          | 2006 | 1,470      | Cord              | 181,000              |  |
|          | 2005 | 1,570      | Cord              | 184,000              |  |
| TOTAL    | 2007 |            |                   | \$1,257,000          |  |
|          | 2006 |            |                   | 583,000              |  |
|          | 2005 |            |                   | 670,000              |  |

a/ Million Board Feet  
b/ Cord: 128 cubic feet

c/ Includes value for Christmas trees, greenery, pinecones, saw logs



## NURSERY PRODUCTS

| Item                       | Year | PRODUCTION  |               | VALUE        |  |
|----------------------------|------|-------------|---------------|--------------|--|
|                            |      | Field Acres | House Sq. Ft. | Total Value  |  |
| Nursery Stock <sup>a</sup> | 2007 | 720         | 760,000       | \$34,866,000 |  |
|                            | 2006 | 640         | 739,000       | 33,718,000   |  |
|                            | 2005 | 740         | 704,000       | 34,585,000   |  |

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



## APIARY PRODUCTS

| Item                   | Year | PRODUCTION |        | VALUE    |              |
|------------------------|------|------------|--------|----------|--------------|
|                        |      | Total      | Unit   | Per Unit | Total        |
| <b>Apiary Products</b> |      |            |        |          |              |
| Beeswax                | 2007 | 19,900     | Pound  | \$1.20   | \$24,000     |
|                        | 2006 | 11,800     | Pound  | 1.03     | 12,000       |
|                        | 2005 | 8,400      | Pound  | 1.46     | 12,000       |
| Honey                  | 2007 | 354,000    | Pound  | 0.89     | 315,000      |
|                        | 2006 | 631,000    | Pound  | 0.98     | 618,000      |
|                        | 2005 | 567,000    | Pound  | 0.72     | 408,000      |
| Pollination            | 2007 | 136,000    | Colony | 134.00   | 18,224,000   |
|                        | 2006 | 156,000    | Colony | 128.00   | 19,968,000   |
|                        | 2005 | 121,000    | Colony | 88.00    | 10,648,000   |
| TOTAL                  | 2007 |            |        |          | \$18,563,000 |
|                        | 2006 |            |        |          | 20,598,000   |
|                        | 2005 |            |        |          | 11,068,000   |



## LIVESTOCK AND POULTRY

| Item                             | Year | PRODUCTION |            |                  | VALUE    |               |
|----------------------------------|------|------------|------------|------------------|----------|---------------|
|                                  |      | Head       | Liveweight | Unit             | Per Unit | Total         |
| Cattle and Calves <sup>a</sup>   | 2007 | 74,100     | 569,000    | CWT <sup>b</sup> | \$71.00  | \$40,399,000  |
|                                  | 2006 | 68,000     | 479,000    | CWT              | 70.00    | 33,530,000    |
|                                  | 2005 | 65,000     | 482,000    | CWT              | 73.00    | 35,186,000    |
| Replacement Heifers <sup>c</sup> | 2007 | 30,600     |            |                  | 1,770.00 | 54,162,000    |
|                                  | 2006 | 30,600     |            |                  | 1,640.00 | 50,184,000    |
|                                  | 2005 | 30,600     |            |                  | 1,790.00 | 54,774,000    |
| Poultry                          | 2007 |            |            |                  |          | 26,321,000    |
|                                  | 2006 |            |            |                  |          | 17,921,000    |
|                                  | 2005 |            |            |                  |          | 16,979,000    |
| <b>TOTAL</b>                     | 2007 |            |            |                  |          | \$120,882,000 |
|                                  | 2006 |            |            |                  |          | 101,635,000   |
|                                  | 2005 |            |            |                  |          | 106,939,000   |

a/ Range and dairy cattle sold for beef

b/ Hundredweight: 100 pounds

c/ Milk cows



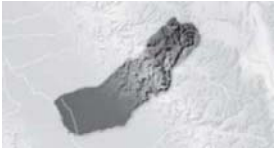
## LIVESTOCK AND POULTRY PRODUCTS

| Item                            | Year | PRODUCTION |      | VALUE    |               |
|---------------------------------|------|------------|------|----------|---------------|
|                                 |      | Production | Unit | Per Unit | Total         |
| Milk Market <sup>a</sup>        | 2007 | 16,026,121 | CWT  | \$17.94  | \$287,543,000 |
|                                 | 2006 | 14,237,015 | CWT  | 11.33    | 161,254,000   |
|                                 | 2005 | 13,512,117 | CWT  | 13.66    | 184,517,000   |
| Milk Manufacturing <sup>a</sup> | 2007 | 755,905    | CWT  | 18.90    | 14,290,000    |
|                                 | 2006 | 636,470    | CWT  | 12.65    | 8,050,000     |
|                                 | 2005 | 733,911    | CWT  | 14.79    | 10,853,000    |
| Other Products <sup>b</sup>     | 2007 |            |      |          | 14,074,000    |
|                                 | 2006 |            |      |          | 13,473,000    |
|                                 | 2005 |            |      |          | 14,654,000    |
| <b>TOTAL</b>                    | 2007 |            |      |          | \$315,907,000 |
|                                 | 2006 |            |      |          | 182,777,000   |
|                                 | 2005 |            |      |          | 210,024,000   |

a/ Madera County has 59 dairies, with 75,000 lactating cows

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





# MADERA COUNTY AGRICULTURE DECADE TO DECADE

## 1937 *Niels Overgaard, County Agricultural Commissioner*

|                               |                     |                    |
|-------------------------------|---------------------|--------------------|
| <b>Gross Production Value</b> |                     | <b>\$9,845,140</b> |
| <b>Top Three Commodities*</b> | <b>Cotton</b>       | <b>\$4,860,600</b> |
|                               | <b>Grapes (all)</b> | <b>\$2,145,350</b> |
|                               | <b>Barley</b>       | <b>\$1,041,600</b> |

**Highlights** Other crops included: Strawberries (100 acres), Potatoes (65 acres), Asparagus (50 acres), Artichokes (20 acres). Madera County had a total of 16,585 acres of grapes in production.

\* No figures available for Milk or Cattle and Calves.

## 1947 *George A. Pohl, County Agricultural Commissioner*

|                               |                      |                     |
|-------------------------------|----------------------|---------------------|
| <b>Gross Production Value</b> |                      | <b>\$49,091,780</b> |
| <b>Top Three Commodities</b>  | <b>Cotton</b>        | <b>\$10,779,320</b> |
|                               | <b>Cattle/Calves</b> | <b>\$8,437,730</b>  |
|                               | <b>Alfalfa</b>       | <b>\$6,010,200</b>  |

**Highlights** Potatoes (2,457 acres) and Rice (1,280 acres) were significant contributors and Milk was a leading commodity in Madera County ranked 4th at \$4,916,530

## 1957 *Howard T. McLean, County Agricultural Commissioner*

|                               |                      |                     |
|-------------------------------|----------------------|---------------------|
| <b>Gross Production Value</b> |                      | <b>\$62,190,872</b> |
| <b>Top Three Commodities</b>  | <b>Cotton</b>        | <b>\$13,138,727</b> |
|                               | <b>Cattle/Calves</b> | <b>\$12,088,813</b> |
|                               | <b>Grapes</b>        | <b>\$6,885,530</b>  |

**Highlights** Cotton was king, but the Commissioner noted "The trend toward the planting of more fruit and nut crops is indicated by the non-bearing acreage of 2,921 acres of grapes, 959 peaches, 852 figs, 617 almonds, and 346 walnuts."

Milk was ranked fourth at \$6,148,090 while alfalfa, "plagued by aphid and reduced acreage" dropped to 6th in value.

## 1967 *James S. Davis, County Agricultural Commissioner*

|                               |                      |                     |
|-------------------------------|----------------------|---------------------|
| <b>Gross Production Value</b> |                      | <b>\$79,976,200</b> |
| <b>Top Three Commodities</b>  | <b>Grapes</b>        | <b>\$14,401,000</b> |
|                               | <b>Cotton</b>        | <b>\$12,573,000</b> |
|                               | <b>Cattle/Calves</b> | <b>\$12,375,000</b> |

**Highlights** Some yields were reduced due to adverse weather during bloom and spring planting. Over three decades, grape acreage grew to 33,216. In past decade, almond acreage doubled to 2,084 but was not yet a "million dollar crop." Milk, valued at \$7,259,000 was nudged out of 4th place by alfalfa. Turkeys were ranked 6th at \$5.6 million and potatoes rounded out the top ten at \$1.4 million.

Timber harvest was reported at 56,530 million board feet.

## 1977 *Donald O. Cripe, County Agricultural Commissioner*

|                               |                      |                     |
|-------------------------------|----------------------|---------------------|
| <b>Gross Production Value</b> | <b>\$219,640,000</b> |                     |
| <b>Top Three Commodities</b>  | <b>Grapes</b>        | <b>\$70,878,000</b> |
|                               | <b>Cotton</b>        | <b>\$28,633,000</b> |
|                               | <b>Alfalfa</b>       | <b>\$20,520,000</b> |

**Highlights** At \$13,721,000, almonds were the 6th leading crop in the county and milk was valued at \$17,470,000 (4th). Pistachios were just beginning to bear fruit with 327 harvested acres valued at \$314,000. Sugar beets were ranked 11th at \$2,370,000 on 5,400 acres.

Timber harvest (1976) was reported at 58,713 million board feet

## 1987 *Donald O. Cripe, County Agricultural Commissioner*

|                               |                      |                      |
|-------------------------------|----------------------|----------------------|
| <b>Gross Production Value</b> | <b>\$430,633,000</b> |                      |
| <b>Top Three Commodities</b>  | <b>Grapes</b>        | <b>\$116,955,000</b> |
|                               | <b>Almonds</b>       | <b>\$54,068,000</b>  |
|                               | <b>Cotton</b>        | <b>\$38,196,000</b>  |

**Highlights** Ten years later, the value of milk had doubled to \$34,239,000 (4th) and the bearing acreage of pistachios had grown to 14,424 with a value of \$17,742,000, making it the 9th leading commodity in the county.

Timber harvest virtually tripled over a 20 year period with 164,900 million board feet reported, valued at \$9.5 million.

## 1997 *Robert J. Rolan, County Agricultural Commissioner*

|                               |                      |                      |
|-------------------------------|----------------------|----------------------|
| <b>Gross Production Value</b> | <b>\$788,503,000</b> |                      |
| <b>Top Three Commodities</b>  | <b>Grapes</b>        | <b>\$280,525,000</b> |
|                               | <b>Almonds</b>       | <b>\$154,197,000</b> |
|                               | <b>Milk</b>          | <b>\$64,296,000</b>  |

**Highlights** Pistachios were valued at \$55,835,000. The combined value of grapes, almonds and pistachios represented over 60% of Madera County's total crop production. Almond acreage had grown to 42,514 while grape acreage exceeded 87,000.

Forest management policies severely reduced the local timber harvest which had been vibrant only a decade before and the 1997 report indicated a decline to 5,504 million board feet with a value of \$1,225,000.





# ***SUSTAINABLE AGRICULTURE REPORT*** **2007**

The **Pest Exclusion Program** prevents the introduction of injurious pests that are not of common occurrence in the county.

During 2007, over 590 shipments of plant material, received by nurseries, were inspected for potentially injurious pests prior to retail sale.

Over 5,300 acres were surveyed for Red Imported Fire Ants, including commercial nurseries, recently-landscaped residential developments, and orchards pollinated by out-of-state beehives. Over 1,900 acres are under treatment for Red Imported Fire Ants.

Countries receiving agricultural commodities require certification that the commodities are free from potentially injurious pests. Over 2,900 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*

*Caribbean Fruit Fly*

*European Corn Borer*

*Gypsy Moth*

*Japanese Beetle*

*Khapra Beetle*

*Light Brown Apple Moth*

*Mediterranean Fruit Fly*

*Melon Fly*

*Mexican Fruit Fly*

*Oriental Fruit Fly*

Over 1,380 traps were deployed in the county, with over 13,360 trap servicings performed during the 2007 season.

The **Integrated Pest Control Program** strives to eradicate infestations of new pests before they become widespread. Pink Bollworm was controlled by post-season plowdown of 5,100 acres of cotton plants.

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 539 traps, with 8,375 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.

Forty-six **Organic Farms**, totaling over 7,600 acres, were registered in Madera County in 2007. 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, 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 2007 was \$13,005,000.



# **AGRICULTURAL CROP REPORT SUMMARY**

## **MADERA COUNTY 2007**

| <b>Item</b>                           | <b>Year</b> | <b>Harvested Acreage</b> | <b>Total Value</b>     |
|---------------------------------------|-------------|--------------------------|------------------------|
| <b>Apiary</b>                         | <b>2007</b> |                          | <b>\$18,563,000</b>    |
|                                       | 2006        |                          | 20,598,000             |
|                                       | 2005        |                          | 11,068,000             |
| <b>Field Crops</b>                    | <b>2007</b> | <b>454,420</b>           | <b>89,390,000</b>      |
|                                       | 2006        | 463,400                  | 81,620,000             |
|                                       | 2005        | 469,800                  | 89,032,000             |
| <b>Fruit and Nut Crops</b>            | <b>2007</b> | <b>186,850</b>           | <b>615,797,000</b>     |
|                                       | 2006        | 183,000                  | 591,014,000            |
|                                       | 2005        | 185,100                  | 632,179,000            |
| <b>Livestock and Poultry</b>          | <b>2007</b> |                          | <b>120,882,000</b>     |
|                                       | 2006        |                          | 101,635,000            |
|                                       | 2005        |                          | 106,939,000            |
| <b>Livestock and Poultry Products</b> | <b>2007</b> |                          | <b>315,907,000</b>     |
|                                       | 2006        |                          | 182,777,000            |
|                                       | 2005        |                          | 210,024,000            |
| <b>Nursery Products</b>               | <b>2007</b> | <b>720</b>               | <b>34,866,000</b>      |
|                                       | 2006        | 640                      | 33,718,000             |
|                                       | 2005        | 740                      | 34,585,000             |
| <b>Forest Products</b>                | <b>2007</b> |                          | <b>1,257,000</b>       |
|                                       | 2006        |                          | 583,000                |
|                                       | 2005        |                          | 670,000                |
| <b>Vegetable Crops</b>                | <b>2007</b> | <b>6,300</b>             | <b>23,568,000</b>      |
|                                       | 2006        | 6,200                    | 20,957,000             |
|                                       | 2005        | 5,100                    | 21,033,000             |
| <b>TOTAL</b>                          | <b>2007</b> |                          | <b>\$1,220,230,000</b> |
|                                       | 2006        |                          | 1,032,902,000          |
|                                       | 2005        |                          | 1,105,530,000          |

**Madera County  
Department  
of Agriculture**



**332 Madera Avenue • Madera, California 93637**

# Madera County Department of Agriculture



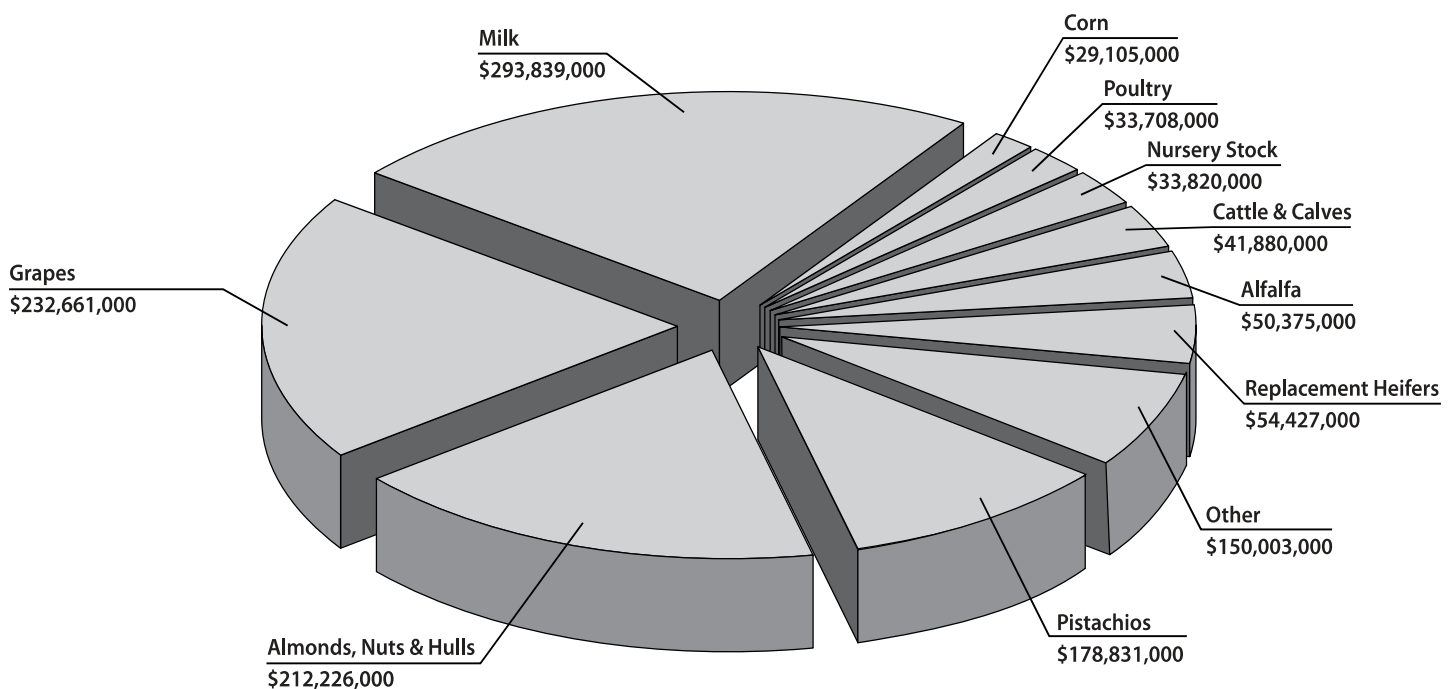
**2008  
Agricultural  
Crop Report**



# TEN LEADING CROPS MADERA COUNTY 2008

| Commodity             | 2008 Rank | 2008 Dollar Value | 2007 Rank |
|-----------------------|-----------|-------------------|-----------|
| Milk                  | 1         | \$293,839,000     | 1         |
| Grapes                | 2         | \$232,661,000     | 3         |
| Almonds, Nuts & Hulls | 3         | \$212,226,000     | 2         |
| Pistachios            | 4         | \$178,831,000     | 4         |
| Replacement Heifers   | 5         | \$54,427,000      | 5         |
| Alfalfa               | 6         | \$50,375,000      | 6         |
| Cattle and Calves     | 7         | \$41,880,000      | 7         |
| Nursery Stock         | 8         | \$33,820,000      | 8         |
| Poultry               | 9         | \$33,708,000      | 9         |
| Corn                  | 10        | \$29,105,000      | 10        |

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, tomatoes, wool, peaches, eggplant, walnuts, and beeswax.





# Madera County Department of Agriculture Weights and Measures

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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  
Frank Bigelow, Ronn Dominici, Vern Moss, Max Rodriguez, and Tom Wheeler

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2008 Agricultural Crop Report. 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 gross production value of Madera County agricultural commodities in 2008 was \$1,310,875,000, which is the highest value ever reported for Madera County. This is an increase of 7.5% from the 2007 production value.

Although milk production value decreased 2.7% from 2007, it remained Madera County's leading commodity with a value of \$293,839,000. This is the second straight year that milk has been the leading commodity.

Fruit and nut crops were valued at \$696,154,000, an increase of 13% from 2007. Production values increased for figs, grapes, and pistachios. However, almonds had a loss of 14.5% from 2007 due to lower almond values. Field crops were valued at \$107,968,000. Higher values in alfalfa, corn, and wheat contributed to a 20.8% increase in field crops from 2007.

With their successes, Madera County growers also faced significant challenges. In January, almond trees were lost due to excessive winds. Lack of rainfall in March, April, May, and June led to reported losses on dryland farmed barley, oats, and wheat. For the second consecutive year, a USDA disaster declaration for drought was approved for losses to rangeland forage. Ongoing drought, reduced water deliveries, and reliance upon diminishing groundwater resources continue to pose as serious threats to Madera County's farming industry.

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. Additionally, I would like to thank Cha Vang for his assistance with crop surveys throughout the year and for production of this report.

Respectfully Submitted,

Robert J. Rolan  
Agricultural Commissioner/Sealer



# MADERA COUNTY HIGHLIGHTS

|                         |                |
|-------------------------|----------------|
| County Established      | March 11, 1893 |
| County Seat             | Madera (city)  |
| Population <sup>a</sup> | 148,333        |

|   |           |
|---|-----------|
| <b>Total County Acreage<sup>b</sup></b> | 1,366,951 |
| 2008 Harvested Acreage                  | 658,200   |
| Field Crop Acreage                      | 110,600   |
| Fruit and Nut Acreage                   | 191,000   |
| Nursery Acreage                         | 670       |
| Vegetable Acreage                       | 2,900     |
| 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 |

Lake Tahoe

## Ranking of Madera County Among Counties of California

|  |    |
|--|----|
| Population <sup>a</sup>                    | 33 |
| Total Acreage                              | 24 |
| Total Agricultural Production <sup>b</sup> | 13 |
| Commodity, by Value <sup>c</sup>           |    |
| Figs                                       | 1  |
| Grapes, Raisin Variety                     | 2  |
| Pistachios                                 | 2  |
| Almonds                                    | 5  |
| Nectarines                                 | 5  |
| Plums                                      | 5  |
| Grapes, Table Variety                      | 5  |
| Olives                                     | 6  |
| Corn, Silage                               | 6  |
| Grapes, Wine Variety                       | 7  |
| Milk, Market                               | 9  |

Yosemite  
National  
Park

San Francisco

## Ranking of Madera County Among Counties of the United States

|  |    |
|--|----|
| Total Agricultural Production <sup>b</sup> | 21 |
|--|----|

- a/ US Bureau of Census, 2008 Estimate  
 b/ USDA Ag Census, 2007  
 c/ County Agricultural  
 Commissioner's Data, 2007

\* Madera County Crop Reports from 2001 to 2008 are available at:  
<http://www.madera-county.com/agcommissioner/cropreports/index.html>

# MADERA COUNTY DEPARTMENT OF AGRICULTURE

## 2008 AGRICULTURAL CROP REPORT

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#### Pest Detection Trappers

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Peter Konovalov

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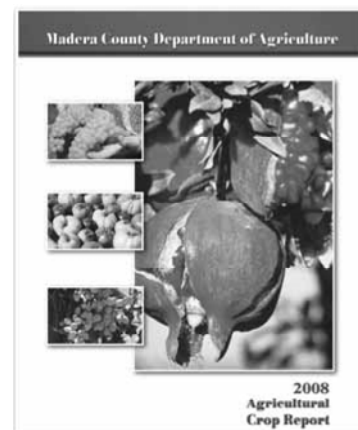
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Cover Photos:  
Pomegranate by Annette Nordine  
Grapes by Wendy Alexander



# FIELD CROPS

|                               |             | PRODUCTION        |                          |                |                         | VALUE                  |                     |
|-------------------------------|-------------|-------------------|--------------------------|----------------|-------------------------|------------------------|---------------------|
| Item                          | Year        | Harvested Acreage | Per Acre                 | Total          | Unit                    | Per Unit               | Total               |
| <b>Alfalfa</b>                |             |                   |                          |                |                         |                        |                     |
| Hay                           | <b>2008</b> | <b>33,400</b>     | <b>7.05</b>              | <b>235,470</b> | <b>Ton</b>              | <b>\$205.00</b>        | <b>\$48,271,000</b> |
|                               | 2007        | 32,100            | 7.58                     | 243,318        | Ton                     | 170.00                 | 41,364,000          |
|                               | 2006        | 36,500            | 7.56                     | 275,940        | Ton                     | 129.00                 | 35,596,000          |
| Silage <sup>a</sup>           | <b>2008</b> |                   |                          | <b>39,700</b>  | <b>Ton</b>              | <b>53.00</b>           | <b>2,104,000</b>    |
|                               | 2007        |                   |                          | 38,700         | Ton                     | 38.00                  | 1,471,000           |
|                               | 2006        |                   |                          | 45,700         | Ton                     | 28.00                  | 1,280,000           |
| <b>Total</b>                  | <b>2008</b> | <b>33,400</b>     |                          |                |                         |                        | <b>50,375,000</b>   |
|                               | 2007        | 32,100            |                          |                |                         |                        | 42,835,000          |
|                               | 2006        | 36,500            |                          |                |                         |                        | 36,876,000          |
| <b>Beans, Dry<sup>b</sup></b> |             |                   |                          |                |                         |                        |                     |
|                               | —           | —                 | —                        | —              | —                       | —                      | —                   |
|                               | 2007        | 420               | 1.66                     | 697            | Ton                     | 780.00                 | 544,000             |
|                               | 2006        | 500               | 1.52                     | 760            | Ton                     | 720.00                 | 547,000             |
| <b>Corn</b>                   |             |                   |                          |                |                         |                        |                     |
| Grain                         | <b>2008</b> | <b>2,000</b>      | <b>6.41</b>              | <b>12,820</b>  | <b>Ton</b>              | <b>213.00</b>          | <b>2,731,000</b>    |
|                               | 2007        | 1,100             | 2.26                     | 2,486          | Ton                     | 130.00                 | 323,000             |
|                               | 2006        | 800               | 3.53                     | 2,824          | Ton                     | 166.00                 | 469,000             |
| Silage                        | <b>2008</b> | <b>27,300</b>     | <b>26.11</b>             | <b>712,803</b> | <b>Ton</b>              | <b>37.00</b>           | <b>26,374,000</b>   |
|                               | 2007        | 24,700            | 27.79                    | 686,413        | Ton                     | 30.00                  | 20,592,000          |
|                               | 2006        | 20,800            | 26.97                    | 560,976        | Ton                     | 24.00                  | 13,463,000          |
| <b>Total</b>                  | <b>2008</b> | <b>29,300</b>     |                          |                |                         |                        | <b>29,105,000</b>   |
|                               | 2007        | 25,800            |                          |                |                         |                        | 20,915,000          |
|                               | 2006        | 21,600            |                          |                |                         |                        | 13,932,000          |
| <b>Cotton</b>                 |             |                   |                          |                |                         |                        |                     |
| Lint                          | <b>2008</b> | <b>2,500</b>      | <b>1,139<sup>c</sup></b> | <b>5,932</b>   | <b>Bale<sup>d</sup></b> | <b>.76<sup>e</sup></b> | <b>2,164,000</b>    |
|                               | 2007        | 5,100             | 1,206                    | 12,814         | Bale                    | .71                    | 4,367,000           |
|                               | 2006        | 10,200            | 1,224                    | 26,010         | Bale                    | .73                    | 9,114,000           |
| Seed                          | <b>2008</b> |                   |                          | <b>2,400</b>   | <b>Ton</b>              | <b>335.00</b>          | <b>804,000</b>      |
|                               | 2007        |                   |                          | 6,800          | Ton                     | 215.00                 | 1,462,000           |
|                               | 2006        |                   |                          | 10,400         | Ton                     | 175.00                 | 1,820,000           |
| <b>Oat</b>                    |             |                   |                          |                |                         |                        |                     |
| Hay                           | <b>2008</b> | <b>5,300</b>      | <b>2.04</b>              | <b>10,812</b>  | <b>Ton</b>              | <b>163.00</b>          | <b>1,762,000</b>    |
|                               | 2007        | 3,800             | 2.73                     | 10,374         | Ton                     | 121.00                 | 1,255,000           |
|                               | 2006        | 4,900             | 3.32                     | 16,268         | Ton                     | 77.00                  | 1,253,000           |
| <b>Pasture</b>                |             |                   |                          |                |                         |                        |                     |
| Irrigated                     | <b>2008</b> | <b>3,500</b>      |                          |                | <b>Acre</b>             | <b>150.00</b>          | <b>525,000</b>      |
|                               | 2007        | 4,500             |                          |                | Acre                    | 130.00                 | 585,000             |
|                               | 2006        | 4,800             |                          |                | Acre                    | 130.00                 | 624,000             |
| <b>Rangeland</b>              |             |                   |                          |                |                         |                        |                     |
|                               | <b>2008</b> | <b>353,000</b>    |                          |                | <b>Acre</b>             | <b>12.00</b>           | <b>4,236,000</b>    |
|                               | 2007        | 353,000           |                          |                | Acre                    | 12.00                  | 4,236,000           |
|                               | 2006        | 353,000           |                          |                | Acre                    | 12.00                  | 4,236,000           |



# FIELD CROPS

| Item                       | Year | PRODUCTION        |          |         | VALUE |          |               |
|----------------------------|------|-------------------|----------|---------|-------|----------|---------------|
|                            |      | Harvested Acreage | Per Acre | Total   | Unit  | Per Unit | Total         |
| <b>Wheat</b>               |      |                   |          |         |       |          |               |
| Grain                      | 2008 | 5,200             | 2.71     | 14,092  | Ton   | \$251.00 | \$3,537,000   |
|                            | 2007 | 3,700             | 2.42     | 8,954   | Ton   | 159.00   | 1,424,000     |
|                            | 2006 | 3,000             | 2.63     | 7,890   | Ton   | 140.00   | 1,105,000     |
| Silage                     | 2008 | 19,200            | 15.09    | 289,728 | Ton   | 29.00    | 8,402,000     |
|                            | 2007 | 17,000            | 15.29    | 259,930 | Ton   | 23.00    | 5,978,000     |
|                            | 2006 | 21,000            | 15.67    | 329,070 | Ton   | 20.00    | 6,581,000     |
| Total                      | 2008 | 24,400            |          |         |       |          | 11,939,000    |
|                            | 2007 | 20,700            |          |         |       |          | 7,402,000     |
|                            | 2006 | 24,000            |          |         |       |          | 7,686,000     |
| Winter Forage              | 2008 | 2,900             | 14.24    | 41,296  | Ton   | 27.00    | 1,115,000     |
|                            | 2007 | 4,400             | 10.27    | 45,188  | Ton   | 23.00    | 1,039,000     |
|                            | 2006 | 3,700             | 9.43     | 34,891  | Ton   | 20.00    | 698,000       |
| Miscellaneous <sup>f</sup> | 2008 | 9,300             |          |         |       |          | 5,943,000     |
|                            | 2007 | 4,600             |          |         |       |          | 4,750,000     |
|                            | 2006 | 4,200             |          |         |       |          | 4,834,000     |
| <b>TOTAL</b>               | 2008 | 463,600           |          |         |       |          | \$107,968,000 |
|                            | 2007 | 454,420           |          |         |       |          | 89,390,000    |
|                            | 2006 | 463,400           |          |         |       |          | 81,620,000    |

a/ Alfalfa acreage yields both hay and silage  
 b/ Includes black-eyes, kidneys and limas.  
 2008 acreage & value included in Misc.  
 c/ Pounds

d/ Bale: 480 pounds  
 e/ Per pound

f/ Includes barley, sorghum, Sudan grass, seed crops, sugar beets, safflower, grass hay, dried beans, oats, field stubble and straw



# VEGETABLE CROPS

| Item                       | Year | PRODUCTION        |          |         | VALUE |          |             |
|----------------------------|------|-------------------|----------|---------|-------|----------|-------------|
|                            |      | Harvested Acreage | Per Acre | Total   | Unit  | Per Unit | Total       |
| <b>Tomatoes</b>            |      |                   |          |         |       |          |             |
| Fresh                      | 2008 | 300               | 15.26    | 4,578   | Ton   | \$462.00 | \$2,115,000 |
|                            | 2007 | 300               | 16.21    | 4,863   | Ton   | 470.00   | 2,286,000   |
|                            | 2006 | 600               | 16.81    | 10,086  | Ton   | 401.00   | 4,042,000   |
| Processed                  | 2008 | 1,900             | 39.73    | 75,487  | Ton   | 70.00    | 5,284,000   |
|                            | 2007 | 5,400             | 45.86    | 247,644 | Ton   | 59.00    | 14,611,000  |
|                            | 2006 | 5,100             | 36.90    | 188,190 | Ton   | 57.00    | 10,727,000  |
| Miscellaneous <sup>a</sup> | 2008 | 720               |          |         |       |          | 6,854,000   |
|                            | 2007 | 640               |          |         |       |          | 6,671,000   |
|                            | 2006 | 500               |          |         |       |          | 6,188,000   |

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



# FRUIT & NUT CROPS

| Item                              | Year | PRODUCTION        |          |                     | VALUE |            |               |
|-----------------------------------|------|-------------------|----------|---------------------|-------|------------|---------------|
|                                   |      | Harvested Acreage | Per Acre | Total               | Unit  | Per Unit   | Total         |
| Almonds <sup>a</sup>              | 2008 | 66,800            | 1.05     | 70,140 <sup>b</sup> | Ton   | \$2,769.00 | \$194,218,000 |
|                                   | 2007 | 64,500            | 1.01     | 65,145              | Ton   | 3,579.00   | 233,154,000   |
|                                   | 2006 | 62,100            | 0.86     | 53,406              | Ton   | 4,043.00   | 215,920,000   |
| Almond Hulls                      | 2008 |                   |          | 150,067             | Ton   | 120.00     | 18,008,000    |
|                                   | 2007 |                   |          | 139,380             | Ton   | 107.00     | 14,914,000    |
|                                   | 2006 |                   |          | 101,471             | Ton   | 95.00      | 9,640,000     |
| Cherries                          | 2008 | 360               | 3.83     | 1,379               | Ton   | 2,873.00   | 3,961,000     |
|                                   | 2007 | 310               | 4.42     | 1,370               | Ton   | 3,074.00   | 4,212,000     |
|                                   | 2006 | —                 | —        | —                   | —     | —          | —             |
| Figs                              | 2008 | 6,000             | 1.66     | 9,960               | Ton   | 1,690.00   | 16,832,000    |
|                                   | 2007 | 5,970             | 1.70     | 10,149              | Ton   | 1,402.00   | 14,229,000    |
|                                   | 2006 | 5,870             | 1.52     | 8,922               | Ton   | 921.00     | 8,218,000     |
| <b>Grapes</b>                     |      |                   |          |                     |       |            |               |
| <b>Raisin Varieties</b>           |      |                   |          |                     |       |            |               |
| Crushed                           | 2008 | 13,300            | 10.24    | 136,192             | Ton   | 220.00     | 29,962,000    |
|                                   | 2007 | 12,700            | 9.71     | 123,317             | Ton   | 169.00     | 20,841,000    |
|                                   | 2006 | 13,100            | 7.02     | 91,962              | Ton   | 151.00     | 13,886,000    |
| Dried                             | 2008 | 21,000            | 2.99     | 62,790              | Ton   | 1,073.00   | 67,374,000    |
|                                   | 2007 | 21,600            | 2.76     | 59,616              | Ton   | 1,098.00   | 65,458,000    |
|                                   | 2006 | 21,400            | 2.18     | 46,652              | Ton   | 1,092.00   | 50,944,000    |
| Fresh                             | 2008 | 1,150             | 8.51     | 9,787               | Ton   | 885.00     | 8,661,000     |
|                                   | 2007 | 1,520             | 9.54     | 14,501              | Ton   | 929.00     | 13,471,000    |
|                                   | 2006 | 970               | 6.90     | 6,693               | Ton   | 826.00     | 5,528,000     |
| Table Varieties                   | 2008 | 2,200             | 7.22     | 15,884              | Ton   | 1,108.00   | 17,599,000    |
|                                   | 2007 | 2,100             | 8.51     | 17,871              | Ton   | 1,617.00   | 28,897,000    |
|                                   | 2006 | 2,130             | 8.01     | 17,061              | Ton   | 1,322.00   | 22,555,000    |
| <b>Wine Varieties<sup>c</sup></b> |      |                   |          |                     |       |            |               |
| Red Varieties                     | 2008 | 24,100            | 10.10    | 243,410             | Ton   | 266.00     | 64,747,000    |
|                                   | 2007 | 23,300            | 11.49    | 267,717             | Ton   | 221.00     | 59,165,000    |
|                                   | 2006 | 22,200            | 9.67     | 214,674             | Ton   | 212.00     | 45,511,000    |
| White Varieties                   | 2008 | 17,800            | 9.88     | 175,864             | Ton   | 252.00     | 44,318,000    |
|                                   | 2007 | 17,500            | 10.03    | 175,525             | Ton   | 211.00     | 37,036,000    |
|                                   | 2006 | 18,900            | 9.51     | 179,739             | Ton   | 194.00     | 34,869,000    |
| Total Grapes                      | 2008 | 79,550            |          |                     |       |            | 232,661,000   |
|                                   | 2007 | 78,720            |          |                     |       |            | 224,868,000   |
|                                   | 2006 | 78,700            |          |                     |       |            | 173,293,000   |
| Nectarines                        | 2008 | 450               | 6.00     | 2,700               | Ton   | 670.00     | 1,809,000     |
|                                   | 2007 | 490               | 6.56     | 3,214               | Ton   | 633.00     | 2,035,000     |
|                                   | 2006 | 500               | 3.77     | 1,885               | Ton   | 644.00     | 1,214,000     |



# FRUIT & NUT CROPS

| Item  | Year | PRODUCTION        |          |                     | VALUE |          |               |
|---|------|-------------------|----------|---------------------|-------|----------|---------------|
|   |      | Harvested Acreage | Per Acre | Total               | Unit  | Per Unit | Total         |
| Olives                                      | 2008 | 1,190             | 4.68     | 5,569               | Ton   | \$891.00 | \$4,962,000   |
|   | 2007 | 1,330             | 1.78     | 2,367               | Ton   | 914.00   | 2,164,000     |
|   | 2006 | 1,320             | 0.70     | 924                 | Ton   | 884.00   | 817,000       |
| Oranges                                     | 2008 | 3,630             | 16.31    | 59,205              | Ton   | 142.00   | 8,407,000     |
|   | 2007 | 3,840             | 13.61    | 52,262              | Ton   | 145.00   | 7,578,000     |
|   | 2006 | 3,650             | 14.61    | 53,327              | Ton   | 94.00    | 5,013,000     |
| Peaches<br>Cling                            | 2008 | 350               | 16.81    | 5,884               | Ton   | 325.00   | 1,912,000     |
|   | 2007 | 410               | 16.36    | 6,708               | Ton   | 238.00   | 1,596,000     |
|   | 2006 | 550               | 11.32    | 6,226               | Ton   | 265.00   | 1,650,000     |
| Freestone                                   | 2008 | 460               | 14.57    | 6,702               | Ton   | 319.00   | 2,138,000     |
|   | 2007 | 600               | 15.63    | 9,378               | Ton   | 257.00   | 2,410,000     |
|   | 2006 | 620               | 13.25    | 8,215               | Ton   | 397.00   | 3,261,000     |
| Pistachios                                  | 2008 | 26,900            | 1.60     | 43,040 <sup>b</sup> | Ton   | 4,155.00 | 178,831,000   |
|   | 2007 | 25,200            | 1.14     | 28,728              | Ton   | 2,905.00 | 83,455,000    |
|   | 2006 | 24,300            | 1.50     | 36,450              | Ton   | 4,149.00 | 151,231,000   |
| Plums                                       | 2008 | 320               | 7.52     | 2,406               | Ton   | 863.00   | 2,077,000     |
|   | 2007 | 390               | 8.97     | 3,498               | Ton   | 821.00   | 2,872,000     |
|   | 2006 | 380               | 7.14     | 2,713               | Ton   | 766.00   | 2,078,000     |
| Plums, Dried                                | 2008 | 1,240             | 3.46     | 4,290               | Ton   | 1,506.00 | 6,461,000     |
|   | 2007 | 1,200             | 3.23     | 3,876               | Ton   | 1,410.00 | 5,465,000     |
|   | 2006 | 1,320             | 2.56     | 3,379               | Ton   | 1,392.00 | 4,704,000     |
| Walnuts                                     | 2008 | 1,250             | 1.43     | 1,788               | Ton   | 1,542.00 | 2,757,000     |
|   | 2007 | 1,460             | 1.30     | 1,898               | Ton   | 2,060.00 | 3,910,000     |
|   | 2006 | 1,320             | 1.43     | 1,888               | Ton   | 1,610.00 | 3,039,000     |
| Miscellaneous<br>Fruits & Nuts <sup>d</sup> | 2008 | 2,500             |          |                     |       |          | 19,950,000    |
|   | 2007 | 2,430             |          |                     |       |          | 11,810,000    |
|   | 2006 | 1,860             |          |                     |       |          | 9,112,000     |
| Orchard<br>Firewood                         | 2008 |                   |          | 7,800               | Cord  |          | 1,170,000     |
|   | 2007 |                   |          | 7,500               | Cord  |          | 1,125,000     |
|   | 2006 |                   |          | 6,500               | Cord  |          | 910,000       |
| <b>TOTAL</b>                                | 2008 | 191,000           |          |                     |       |          | \$696,154,000 |
|   | 2007 | 186,850           |          |                     |       |          | 615,797,000   |
|   | 2006 | 183,000           |          |                     |       |          | 591,014,000   |

a/ Meat basis

b/ Reflects total production, including imperfect stock; price weighted accordingly

c/ Includes table grapes crushed

d/ Includes apricots, berries, kiwis, pears, pecans, persimmons, pomegranates, tangelos, tangerines, strawberries, almond and walnut shells, and apples



# FOREST PRODUCTS

|          |      | PRODUCTION | VALUE             |                      |
|----------|------|------------|-------------------|----------------------|
| Item     | Year | Production | Unit              | Total Value          |
| Timber   | 2008 | 620        | MBF <sup>a</sup>  | \$86,000             |
|          | 2007 | 7,074      | MBF               | 987,000              |
|          | 2006 | 2,361      | MBF               | 402,000              |
| Firewood | 2008 | 1,253      | Cord <sup>b</sup> | 262,000 <sup>c</sup> |
|          | 2007 | 1,255      | Cord              | 270,000              |
|          | 2006 | 1,470      | Cord              | 181,000              |
| TOTAL    | 2008 |            |                   | \$348,000            |
|          | 2007 |            |                   | 1,257,000            |
|          | 2006 |            |                   | 583,000              |

a/ Million Board Feet  
b/ Cord: 128 cubic feet

c/ Includes value for Christmas trees, greenery, pinecones, and saw logs



# NURSERY PRODUCTS

|                            |      | PRODUCTION  | VALUE         |              |
|----------------------------|------|-------------|---------------|--------------|
| Item                       | Year | Field Acres | House Sq. Ft. | Total Value  |
| Nursery Stock <sup>a</sup> | 2008 | 670         | 697,000       | \$33,820,000 |
|                            | 2007 | 720         | 760,000       | 34,866,000   |
|                            | 2006 | 640         | 739,000       | 33,718,000   |

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



# APIARY PRODUCTS

|                        |      | PRODUCTION | VALUE  |          |              |
|------------------------|------|------------|--------|----------|--------------|
| Item                   | Year | Total      | Unit   | Per Unit | Total        |
| <b>Apiary Products</b> |      |            |        |          |              |
| Beeswax                | 2008 | 34,000     | Pound  | \$1.73   | \$59,000     |
|                        | 2007 | 19,900     | Pound  | 1.20     | 24,000       |
|                        | 2006 | 11,800     | Pound  | 1.03     | 12,000       |
| Honey                  | 2008 | 509,000    | Pound  | 1.29     | 657,000      |
|                        | 2007 | 354,000    | Pound  | 0.89     | 315,000      |
|                        | 2006 | 631,000    | Pound  | 0.98     | 618,000      |
| Pollination            | 2008 | 167,000    | Colony | 139.00   | 23,213,000   |
|                        | 2007 | 136,000    | Colony | 134.00   | 18,224,000   |
|                        | 2006 | 156,000    | Colony | 128.00   | 19,968,000   |
| TOTAL                  | 2008 |            |        |          | \$23,929,000 |
|                        | 2007 |            |        |          | 18,563,000   |
|                        | 2006 |            |        |          | 20,598,000   |



## LIVESTOCK AND POULTRY

### PRODUCTION

### VALUE

| Item                             | Year        | Head          | Liveweight     | Unit                   | Per Unit        | Total                |
|----------------------------------|-------------|---------------|----------------|------------------------|-----------------|----------------------|
| Cattle and Calves <sup>a</sup>   | <b>2008</b> | <b>82,560</b> | <b>598,280</b> | <b>CWT<sup>b</sup></b> | <b>\$70.00</b>  | <b>\$41,880,000</b>  |
|                                  | 2007        | 74,100        | 569,000        | CWT                    | 71.00           | 40,399,000           |
|                                  | 2006        | 68,000        | 479,000        | CWT                    | 70.00           | 33,530,000           |
| Replacement Heifers <sup>c</sup> | <b>2008</b> | <b>31,280</b> |                |                        | <b>1,740.00</b> | <b>54,427,000</b>    |
|                                  | 2007        | 30,600        |                |                        | 1,770.00        | 54,162,000           |
|                                  | 2006        | 30,600        |                |                        | 1,640.00        | 50,184,000           |
| Poultry                          | <b>2008</b> |               |                |                        |                 | <b>33,708,000</b>    |
|                                  | 2007        |               |                |                        |                 | 26,321,000           |
|                                  | 2006        |               |                |                        |                 | 17,921,000           |
| <b>TOTAL</b>                     | <b>2008</b> |               |                |                        |                 | <b>\$130,015,000</b> |
|                                  | 2007        |               |                |                        |                 | 120,882,000          |
|                                  | 2006        |               |                |                        |                 | 101,635,000          |

a/ Range and dairy cattle sold for beef

b/ Hundredweight: 100 pounds

c/ Milk cows



## LIVESTOCK AND POULTRY PRODUCTS

### PRODUCTION

### VALUE

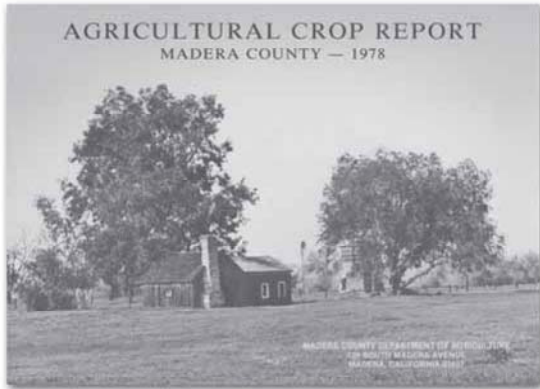
| Item                            | Year        | Production        | Unit       | Per Unit       | Total                |
|---------------------------------|-------------|-------------------|------------|----------------|----------------------|
| Milk Market <sup>a</sup>        | <b>2008</b> | <b>16,995,929</b> | <b>CWT</b> | <b>\$16.57</b> | <b>\$281,623,000</b> |
|                                 | 2007        | 16,026,121        | CWT        | 17.94          | 287,543,000          |
|                                 | 2006        | 14,237,015        | CWT        | 11.33          | 161,254,000          |
| Milk Manufacturing <sup>a</sup> | <b>2008</b> | <b>658,191</b>    | <b>CWT</b> | <b>18.56</b>   | <b>12,216,000</b>    |
|                                 | 2007        | 755,905           | CWT        | 18.90          | 14,290,000           |
|                                 | 2006        | 636,470           | CWT        | 12.65          | 8,050,000            |
| Other Products <sup>b</sup>     | <b>2008</b> |                   |            |                | <b>10,549,000</b>    |
|                                 | 2007        |                   |            |                | 14,074,000           |
|                                 | 2006        |                   |            |                | 13,473,000           |
| <b>TOTAL</b>                    | <b>2008</b> |                   |            |                | <b>\$304,388,000</b> |
|                                 | 2007        |                   |            |                | 315,907,000          |
|                                 | 2006        |                   |            |                | 182,777,000          |

a/ Madera County has 56 dairies, with 78,200 lactating cows

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

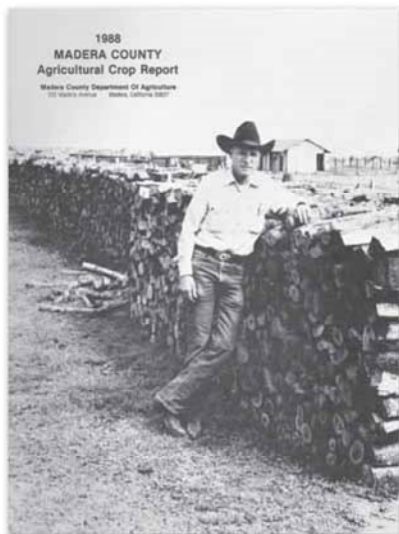
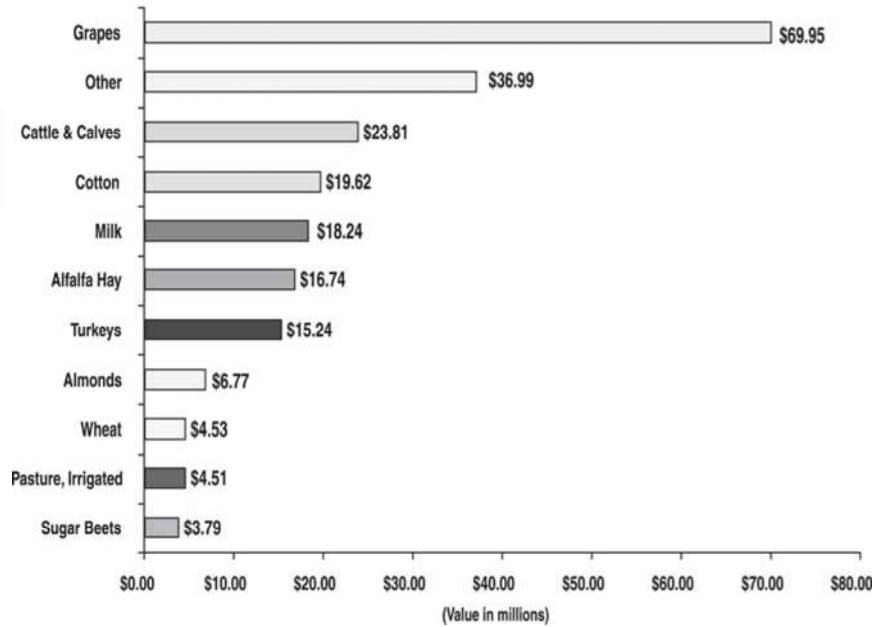


# MADERA COUNTY AGRICULTURAL CROP REPORT



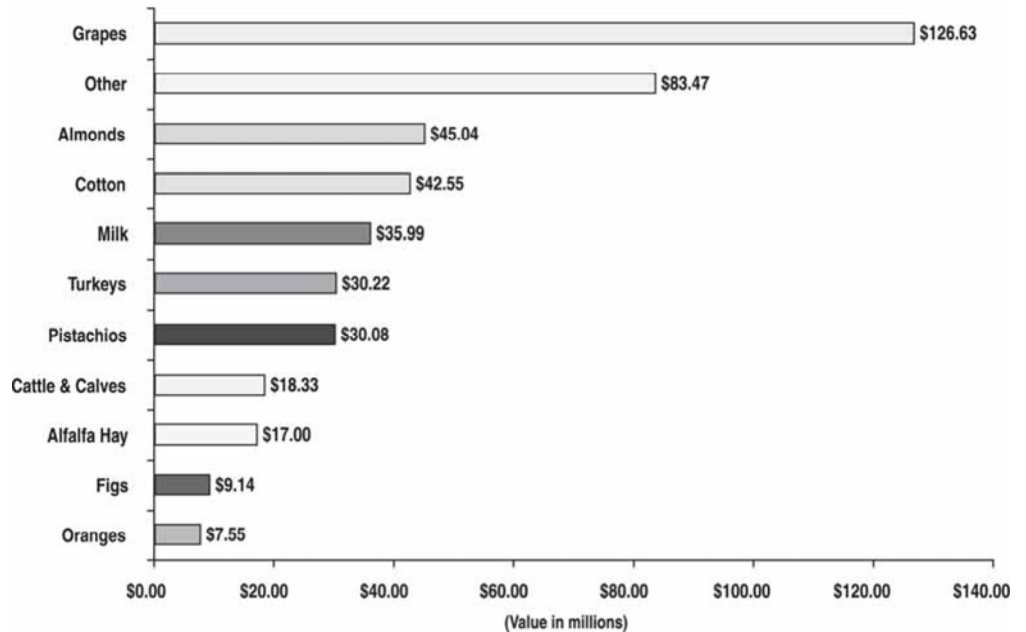
Featured on the 1978 Crop Report cover is the original Wide Awake Ranch House near the intersection of Highway 41 and Highway 145 in Madera County.

## 1978 TOP TEN CROPS

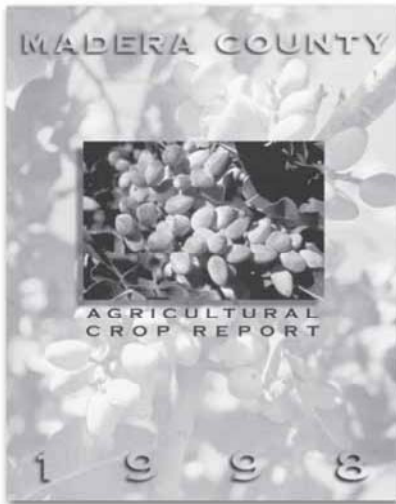


George Tipton, a native Maderan, was employed by the Madera County Agricultural Commissioner's office for 42 years beginning in 1947.

## 1988 TOP TEN CROPS

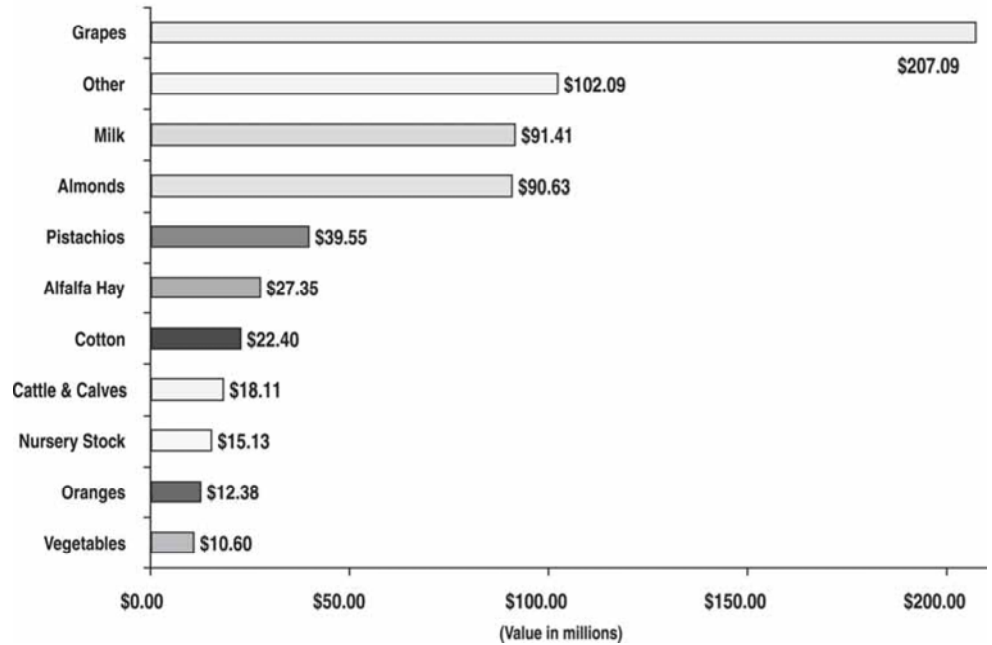


# COVERS & TOP TEN CROPS OF THE LAST THREE DECADES

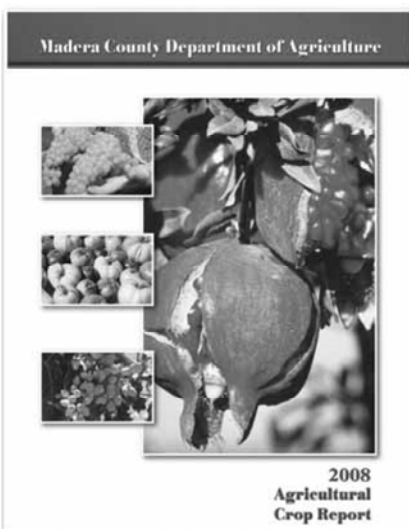
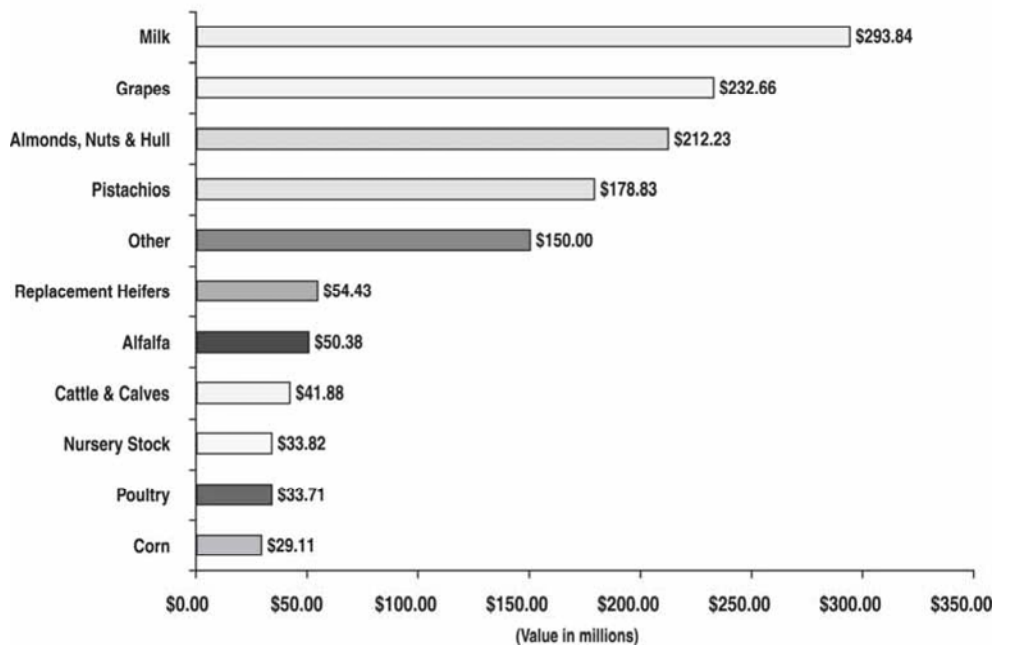


The first commercial crop of pistachios in Madera County was harvested in 1976, valued at \$122,000. The 2008 pistachio crop had the highest value ever reported at \$178,831,000.

## 1998 TOP TEN CROPS



## 2008 TOP TEN CROPS



In 2005, less than 100 acres of pomegranates were planted in Madera County. In 2008, more than 5,000 acres of pomegranates have been planted in the county due to popularity of pomegranate juice.



# SUSTAINABLE AGRICULTURE REPORT

## 2008

The **Pest Exclusion Program** prevents the introduction of injurious pests that are not of common occurrence in the county.

A “Q” rated fungus, *Nimbya celosiae*, was found on May of 2008. *N. celosiae* causes a leaf spot disease on the leaves of Celosia plants. This is the first reported find in California, but other finds have been reported in the state of Louisiana and in the country of China.

During 2008, 670 shipments of plant material, received by nurseries, were inspected for potentially injurious pests prior to retail sale.

Over 21,600 acres were surveyed for Red Imported Fire Ants, including commercial nurseries, recently-landscaped residential developments, and orchards pollinated by out-of-state beehives. Over 1,450 acres are under treatment for Red Imported Fire Ants.

Countries receiving agricultural commodities require certification that the commodities are free from potentially injurious pests. Over 2,800 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*

*Gypsy Moth*

*Light Brown Apple Moth*

*Mexican Fruit Fly*

*Caribbean Fruit Fly*

*Japanese Beetle*

*Mediterranean Fruit Fly*

*Oriental Fruit Fly*

*European Corn Borer*

*Khapra Beetle*

*Melon Fruit Fly*

Over 1,200 traps were deployed in the county, with over 11,500 trap servicings performed during the 2008 season.

The **Integrated Pest Control Program** strives to eradicate infestations of new pests before they become widespread. Pink Bollworm was controlled by post-season plowdown of 1,940 acres of cotton plantings.

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 632 traps, with 8,311 subsequent trap servicings. In addition, incoming shipments of host material and susceptible county plantings were inspected. On July 3, 2008, two Glassy-winged Sharpshooters were found in a nursery. Our office deployed 107 delimitation traps in and around the nursery. Approximately 1,000 subsequent trap servicings and visual surveys of the nursery were performed to the end of July with no additional Glassy-winged Sharpshooters found.

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

Forty-seven **Organic Farms**, totaling over 8,000 acres, were registered in Madera County in 2008. Utilizing organic principles defined in the California Organic Products Act 2003, these farms produce a wide array of commodities, such as:

*alfalfa, almonds, apples, apricots, artichokes, arugula, basil, green beans, beets, berries, broccoli, brussels sprouts, cabbage, cantaloupe, carrots, celery, chard, cherries, chicory, cilantro, collards, sweet corn, cucumbers, dill, eggplant, figs, garlic, gourds, grapes (table, raisin, wine), honeydew, kale, kiwi, kohlrabi, leeks, lettuce, okra, onions, parsley, parsnip, peaches, peas, peppers, persimmons, pistachios, plums, dried plums, pomegranates, potatoes, prickly pear, radish, spinach, squash, sudan grass, tomatillos, tomatoes, turnips, watermelons.*

The value of organic production in Madera County during 2008 was **\$17,765,000**.



# AGRICULTURAL CROP REPORT SUMMARY

## MADERA COUNTY 2008

| Item                           | Year        | Harvested Acentage | Total Value            |
|--------------------------------|-------------|--------------------|------------------------|
| Apiary                         | <b>2008</b> |                    | <b>\$23,929,000</b>    |
|                                | 2007        |                    | 18,563,000             |
|                                | 2006        |                    | 20,598,000             |
| Field Crops                    | <b>2008</b> | <b>463,600</b>     | <b>107,968,000</b>     |
|                                | 2007        | 454,420            | 89,390,000             |
|                                | 2006        | 463,400            | 81,620,000             |
| Fruit and Nut Crops            | <b>2008</b> | <b>191,000</b>     | <b>696,154,000</b>     |
|                                | 2007        | 186,850            | 615,797,000            |
|                                | 2006        | 183,000            | 591,014,000            |
| Livestock and Poultry          | <b>2008</b> |                    | <b>130,015,000</b>     |
|                                | 2007        |                    | 120,882,000            |
|                                | 2006        |                    | 101,635,000            |
| Livestock and Poultry Products | <b>2008</b> |                    | <b>304,388,000</b>     |
|                                | 2007        |                    | 315,907,000            |
|                                | 2006        |                    | 182,777,000            |
| Nursery Products               | <b>2008</b> | <b>670</b>         | <b>33,820,000</b>      |
|                                | 2007        | 720                | 34,866,000             |
|                                | 2006        | 640                | 33,718,000             |
| Forest Products                | <b>2008</b> |                    | <b>348,000</b>         |
|                                | 2007        |                    | 1,257,000              |
|                                | 2006        |                    | 583,000                |
| Vegetable Crops                | <b>2008</b> | <b>2,920</b>       | <b>14,253,000</b>      |
|                                | 2007        | 6,300              | 23,568,000             |
|                                | 2006        | 6,200              | 20,957,000             |
| <b>TOTAL</b>                   | <b>2008</b> |                    | <b>\$1,310,875,000</b> |
|                                | 2007        |                    | 1,220,230,000          |
|                                | 2006        |                    | 1,032,902,000          |



**Madera County  
Department of Agriculture**

**332 Madera Avenue**

**Madera, California 93637**

# ***2009 AGRICULTURAL CROP REPORT***

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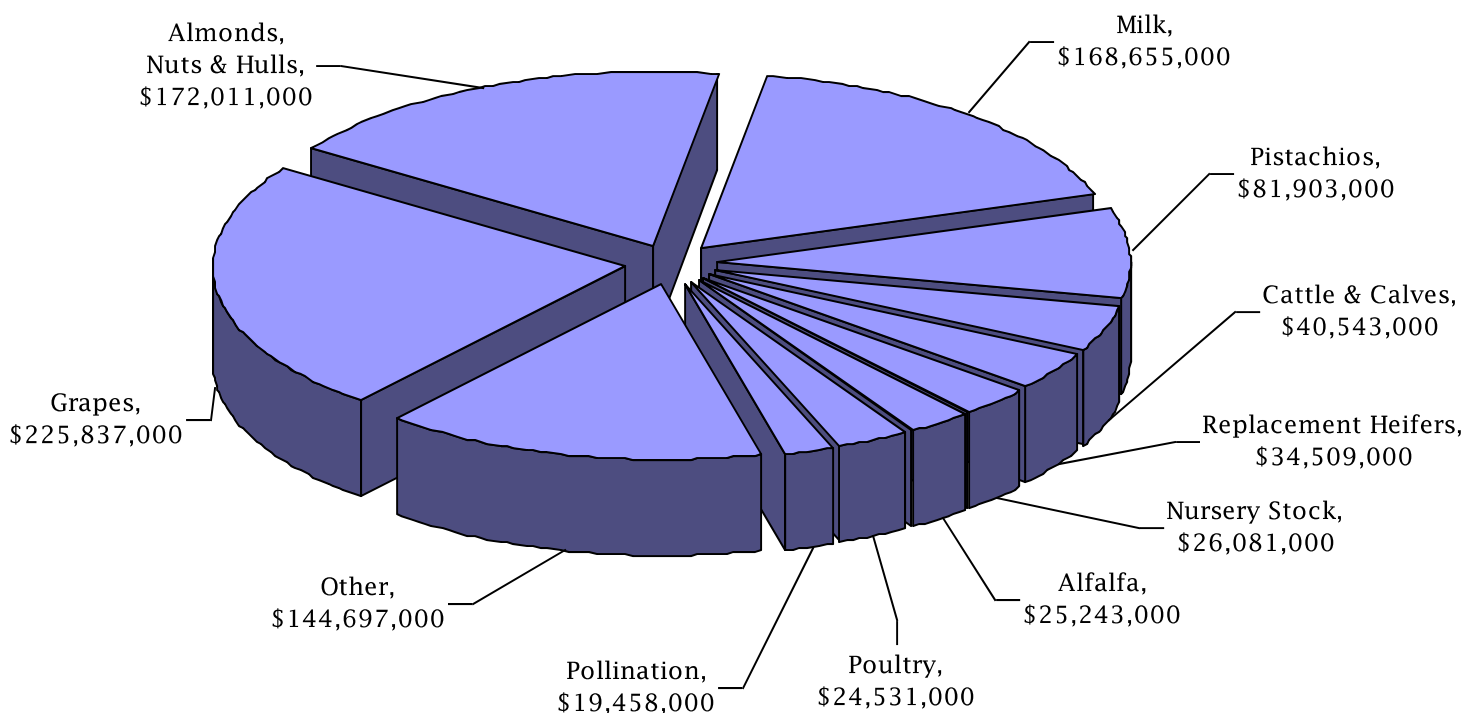




# TEN LEADING CROPS MADERA COUNTY 2009

| Commodity             | 2009 Rank | 2009 Dollar Value | 2008 Rank |
|-----------------------|-----------|-------------------|-----------|
| Grapes                | 1         | \$225,837,000     | 2         |
| Almonds, Nuts & Hulls | 2         | \$172,011,000     | 3         |
| Milk                  | 3         | \$168,655,000     | 1         |
| Pistachios            | 4         | \$81,903,000      | 4         |
| Cattles & Calves      | 5         | \$40,543,000      | 7         |
| Replacement Heifers   | 6         | \$34,509,000      | 5         |
| Nursery Stock         | 7         | \$26,081,000      | 8         |
| Alfalfa               | 8         | \$25,243,000      | 6         |
| Poultry               | 9         | \$24,531,000      | 9         |
| Pollination           | 10        | \$19,458,000      | -         |

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, milk, dairy and beef cattle, nursery stock, field crops, poultry and apiary pollination. The wide range of commodities produced in our county is further underscored by that segment on the chart entitled "Other," which includes such diverse products as cherries, berries, oranges, pomegranates, firewood, stone fruits and honey.





# Madera County Department of Agriculture Weights and Measures

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

Jay Seslowe, Assistant Agricultural  
Commissioner/Sealer

A. G. Kawamura, Secretary  
California Department of Food and Agriculture

and

The Honorable Board of Supervisors  
Frank Bigelow, Ronn Dominici, Vern Moss, Max Rodriguez, and Tom Wheeler

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2009 Agricultural Crop Report. 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.

In 2009, the total production value of Madera County agricultural crops and products dropped below the one billion dollar mark for the first time since 2004 to \$963,468,000. This represents a decrease of 26.5% from the level that was achieved in 2008.

After posting a record-setting year in 2007, the dairy industry began a decline in 2008 which continued through 2009. An entire year of low milk prices, high feed costs, and decreased demand for dairy products reduced the value of milk and milk products by more than 40% from the previous year. Similarly affected were the values of alfalfa, corn silage, and replacement heifers, which fell 50%, 52%, and 36%, respectively, from 2008 levels.

On the positive side, table grapes made a strong showing with a 75% increase in value despite reduced acreage. Cherries, peaches, walnuts, and other miscellaneous fruit and nut crops increased in value as did the entire vegetable crop category. However, increases in these and other categories were not sufficient to offset a combined quarter billion dollar reduction in value to three of our four principal commodities: dairy, almonds, and pistachios.

The preparation of a report of this type requires extensive collaboration, and I sincerely appreciate the contributions of our growers, the UC Cooperative Extension, and my staff. In particular, I would like to thank Senior Agricultural & Standards Inspector, Cha Vang, for his assistance with crop surveys throughout the year and for compilation of this report.

Respectfully Submitted,

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



# MADERA COUNTY HIGHLIGHTS

|                         |                |
|-------------------------|----------------|
| County Established      | March 11, 1893 |
| County Seat             | Madera (city)  |
| Population <sup>a</sup> | 148,632        |

|   |           |
|---|-----------|
| <b>Total County Acreage<sup>b</sup></b> | 1,366,951 |
| 2009 Harvested Acreage                  | 643,790   |
| Field Crop Acreage                      | 96,450    |
| Fruit and Nut Acreage                   | 189,460   |
| Nursery Acreage                         | 740       |
| Vegetable Acreage                       | 4,140     |
| 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 <sup>a</sup>                    | 33 |
| Total Acreage                              | 24 |
| Total Agricultural Production <sup>b</sup> | 12 |
| Commodity, by Value                        |    |
| Figs                                       | 1  |
| Grapes, Raisin Variety                     | 2  |
| Pistachios                                 | 2  |
| Poultry                                    | 2  |
| Plums                                      | 4  |
| Almonds                                    | 5  |
| Grapes, Table Variety                      | 5  |
| Olives                                     | 6  |
| Grapes, Wine Variety                       | 6  |
| Corn, Silage                               | 7  |
| Milk, Market                               | 9  |

## Ranking of Madera County Among Counties of the United States

|  |    |
|--|----|
| Total Agricultural Production <sup>b</sup> | 21 |
|--|----|

- a/ US Bureau of Census, 2009 Estimate
- b/ USDA Ag Census, 2007
- c/ County Agricultural Commissioners' Data, 2008

\* Madera County Crop Reports from 2001 to 2009 are available at:

<http://www.madera-county.com/agcommissioner/cropreports/index.html>

# MADERA COUNTY DEPARTMENT OF AGRICULTURE

## MADERA COUNTY STAFF

### Madera County Board of Supervisors

Frank Bigelow  
*District 1*

Vern Moss  
*District 2*

Ronn Dominici  
*District 3*

Max Rodriguez  
*District 4*

Tom Wheeler  
*District 5*

### County Administrative Officer

Stell Manfredi

### Agricultural Commissioner/ Sealer of Weights & Measures

Robert J. Rolan

### Assistant Agricultural Commissioner/Sealer

Jay Seslowe

### Deputy Agricultural Commissioner

Melissa Cregan

### Agricultural & Standards Inspectors

|                 |                |
|-----------------|----------------|
| Jason Contreras | Jason Robbins  |
| Judy Cumming    | Sharon Seslowe |
| Molly Glover    | Erik Smith     |
| Cristian Medina | Cha Vang       |

### Agricultural & Standards Technicians

|             |               |
|-------------|---------------|
| Bobby Arias | Gabriel Mejia |
|-------------|---------------|

### Pest Detection Trappers

|                 |                  |
|-----------------|------------------|
| Gloria Johnson  | Harry Simons     |
| Richard Foronda | Ron Uyeno        |
| Peter Konovalov | Rosie Valdovinos |

### Administrative Support Staff

Lore Ciuffoli, Administrative Analyst  
Tammy Dodson, Program Assistant II  
Mary Arias, Program Assistant I

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# Field Crops

## PRODUCTION

## VALUE

| Item                    | Year | Harvested Acreage | Per Acre           | Total   | Unit              | Per Unit          | Total        |
|-------------------------|------|-------------------|--------------------|---------|-------------------|-------------------|--------------|
| <b>Alfalfa</b>          |      |                   |                    |         |                   |                   |              |
| Hay                     | 2009 | 30,000            | 7.00               | 210,000 | Ton               | \$113.00          | \$23,730,000 |
|                         | 2008 | 33,400            | 7.05               | 235,470 | Ton               | 205.00            | 48,271,000   |
|                         | 2007 | 32,100            | 7.58               | 243,318 | Ton               | 170.00            | 41,364,000   |
| Silage <sup>a</sup>     | 2009 |                   |                    | 52,710  | Ton               | 30.00             | 1,581,000    |
|                         | 2008 |                   |                    | 39,700  | Ton               | 53.00             | 2,104,000    |
|                         | 2007 |                   |                    | 38,700  | Ton               | 38.00             | 1,471,000    |
| Total                   | 2009 | 30,000            |                    |         |                   |                   | 25,311,000   |
|                         | 2008 | 33,400            |                    |         |                   |                   | 50,375,000   |
|                         | 2007 | 32,100            |                    |         |                   |                   | 42,835,000   |
| Beans, Dry <sup>b</sup> | 2009 | 620               | 1.51               | 936     | Ton               | 742.00            | 695,000      |
|                         | 2008 | -                 | -                  | -       | -                 | -                 | -            |
|                         | 2007 | 420               | 1.66               | 697     | Ton               | 780.00            | 544,000      |
| <b>Corn</b>             |      |                   |                    |         |                   |                   |              |
| Grain                   | 2009 | 1,100             | 5.51               | 6,061   | Ton               | 178.00            | 1,079,000    |
|                         | 2008 | 2,000             | 6.41               | 12,820  | Ton               | 213.00            | 2,731,000    |
|                         | 2007 | 1,100             | 2.26               | 2,486   | Ton               | 130.00            | 323,000      |
| Silage                  | 2009 | 19,700            | 25.25              | 497,425 | Ton               | 25.00             | 12,436,000   |
|                         | 2008 | 27,300            | 26.11              | 712,803 | Ton               | 37.00             | 26,374,000   |
|                         | 2007 | 24,700            | 27.79              | 686,143 | Ton               | 30.00             | 20,592,000   |
| Total                   | 2009 | 20,800            |                    |         |                   |                   | 13,515,000   |
|                         | 2008 | 29,300            |                    |         |                   |                   | 29,105,000   |
|                         | 2007 | 25,800            |                    |         |                   |                   | 20,915,000   |
| <b>Cotton</b>           |      |                   |                    |         |                   |                   |              |
| Lint                    | 2009 | 330               | 1,123 <sup>c</sup> | 772     | Bale <sup>d</sup> | 0.72 <sup>e</sup> | 267,000      |
|                         | 2008 | 2,500             | 1,139              | 5,932   | Bale              | 0.76              | 2,164,000    |
|                         | 2007 | 5,100             | 1,206              | 12,814  | Bale              | 0.71              | 4,367,000    |
| Seed                    | 2009 |                   |                    | 310     | Ton               | 290.00            | 90,000       |
|                         | 2008 |                   |                    | 2,400   | Ton               | 335.00            | 804,000      |
|                         | 2007 |                   |                    | 6,800   | Ton               | 215.00            | 1,462,000    |
| <b>Oat</b>              |      |                   |                    |         |                   |                   |              |
| Hay                     | 2009 | 3,400             | 2.14               | 7,276   | Ton               | 72.00             | 524,000      |
|                         | 2008 | 5,300             | 2.04               | 10,812  | Ton               | 163.00            | 1,762,000    |
|                         | 2007 | 3,800             | 2.73               | 10,374  | Ton               | 121.00            | 1,255,000    |
| <b>Pasture</b>          |      |                   |                    |         |                   |                   |              |
| Irrigated               | 2009 | 3,300             |                    |         | Acre              | 150.00            | 495,000      |
|                         | 2008 | 3,500             |                    |         | Acre              | 150.00            | 525,000      |
|                         | 2007 | 4,500             |                    |         | Acre              | 130.00            | 585,000      |
| Rangeland               | 2009 | 353,000           |                    |         | Acre              | 12.00             | 4,236,000    |
|                         | 2008 | 353,000           |                    |         | Acre              | 12.00             | 4,236,000    |
|                         | 2007 | 353,000           |                    |         | Acre              | 12.00             | 4,236,000    |



# Field Crops

## PRODUCTION

## VALUE

| Item                       | Year | Harvested Acreage | Per Acre | Total   | Unit | Per Unit | Total        |
|----------------------------|------|-------------------|----------|---------|------|----------|--------------|
| <b>Wheat</b>               |      |                   |          |         |      |          |              |
| Grain                      | 2009 | 6,000             | 2.46     | 14,760  | Ton  | \$245.00 | \$3,616,000  |
|                            | 2008 | 5,200             | 2.71     | 14,092  | Ton  | 251.00   | 3,537,000    |
|                            | 2007 | 3,700             | 2.42     | 8,954   | Ton  | 159.00   | 1,424,000    |
| Silage                     | 2009 | 16,500            | 14.40    | 237,600 | Ton  | 18.00    | 4,277,000    |
|                            | 2008 | 19,200            | 15.09    | 289,728 | Ton  | 29.00    | 8,402,000    |
|                            | 2007 | 17,000            | 15.29    | 259,930 | Ton  | 23.00    | 5,978,000    |
| Total                      | 2009 | 22,500            |          |         |      |          | 7,893,000    |
|                            | 2008 | 24,400            |          |         |      |          | 11,939,000   |
|                            | 2007 | 20,700            |          |         |      |          | 7,402,000    |
| Winter Forage              | 2009 | 3,400             | 12.17    | 41,378  | Ton  | 18.00    | 745,000      |
|                            | 2008 | 2,900             | 14.24    | 41,296  | Ton  | 27.00    | 1,115,000    |
|                            | 2007 | 4,400             | 10.27    | 45,188  | Ton  | 23.00    | 1,039,000    |
| Miscellaneous <sup>f</sup> | 2009 | 12,100            |          |         |      |          | 7,451,000    |
|                            | 2008 | 9,300             |          |         |      |          | 5,943,000    |
|                            | 2007 | 4,600             |          |         |      |          | 4,750,000    |
| <b>TOTAL</b>               | 2009 | 449,450           |          |         |      |          | \$61,154,000 |
|                            | 2008 | 463,600           |          |         |      |          | 107,968,000  |
|                            | 2007 | 454,420           |          |         |      |          | 89,390,000   |

a/ Alfalfa acreage yields both hay and silage

b/ Includes Black-eyes, Kidneys and Limas  
2008 acreage & value included in Miscellaneous

c/ Pounds

d/Bale: 480 pounds

e/Per pound

f/Includes barley (hay & silage), seed crops, Sudan grass, wheat hay, field and stubble straw. Dried beans included in 2008.



# Vegetable Crops

## PRODUCTION

## VALUE

| Item                       | Year | Harvested Acreage | Per Acre | Total   | Unit | Per Unit | Total        |
|----------------------------|------|-------------------|----------|---------|------|----------|--------------|
| <b>Tomatoes</b>            |      |                   |          |         |      |          |              |
| Fresh                      | 2009 | 400               | 15.80    | 6,320   | Ton  | \$441.00 | \$2,787,000  |
|                            | 2008 | 300               | 15.26    | 4,578   | Ton  | 462.00   | 2,115,000    |
|                            | 2007 | 300               | 16.21    | 4,863   | Ton  | 470.00   | 2,286,000    |
| Processed                  | 2009 | 2,000             | 39.52    | 79,040  | Ton  | 81.00    | 6,402,000    |
|                            | 2008 | 1,900             | 39.73    | 75,487  | Ton  | 70.00    | 5,284,000    |
|                            | 2007 | 5,400             | 45.86    | 247,644 | Ton  | 59.00    | 14,611,000   |
| Miscellaneous <sup>a</sup> | 2009 | 1,740             |          |         |      |          | 8,156,000    |
|                            | 2008 | 720               |          |         |      |          | 6,854,000    |
|                            | 2007 | 640               |          |         |      |          | 6,671,000    |
| <b>TOTAL</b>               | 2009 | 4,140             |          |         |      |          | \$17,345,000 |
|                            | 2008 | 2,920             |          |         |      |          | 14,253,000   |
|                            | 2007 | 6,420             |          |         |      |          | 23,568,000   |

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



# FRUIT & NUT CROPS

## PRODUCTION

## VALUE

| Item                              | Year        | Harvested<br>Acreage | Per<br>Acre  | Total                     | Unit       | Per<br>Unit       | Total                |
|-----------------------------------|-------------|----------------------|--------------|---------------------------|------------|-------------------|----------------------|
| <b>Almonds<sup>a</sup></b>        | <b>2009</b> | <b>68,000</b>        | <b>0.79</b>  | <b>53,720<sup>b</sup></b> | <b>Ton</b> | <b>\$3,018.00</b> | <b>\$162,127,000</b> |
|                                   | 2008        | 66,800               | 1.05         | 70,140                    | Ton        | 2,769.00          | 194,218,000          |
|                                   | 2007        | 64,500               | 1.01         | 65,145                    | Ton        | 3,579.00          | 233,154,000          |
| <b>Almond Hulls</b>               | <b>2009</b> |                      |              | <b>114,936</b>            | <b>Ton</b> | <b>86.00</b>      | <b>9,884,000</b>     |
|                                   | 2008        |                      |              | 150,067                   | Ton        | 120.00            | 18,008,000           |
|                                   | 2007        |                      |              | 139,380                   | Ton        | 107.00            | 14,914,000           |
| <b>Cherries</b>                   | <b>2009</b> | <b>380</b>           | <b>4.84</b>  | <b>1,273</b>              | <b>Ton</b> | <b>2,648.00</b>   | <b>4,870,000</b>     |
|                                   | 2008        | 360                  | 3.83         | 1,379                     | Ton        | 2,873.00          | 3,961,000            |
|                                   | 2007        | 310                  | 4.42         | 1,370                     | Ton        | 3,074.00          | 4,212,000            |
| <b>Figs</b>                       | <b>2009</b> | <b>6,280</b>         | <b>1.70</b>  | <b>10,676</b>             | <b>Ton</b> | <b>1,511.00</b>   | <b>16,131,000</b>    |
|                                   | 2008        | 6,000                | 1.66         | 9,960                     | Ton        | 1,690.00          | 16,832,000           |
|                                   | 2007        | 5,970                | 1.70         | 10,149                    | Ton        | 1,402.00          | 14,229,000           |
| <b>Grapes</b>                     |             |                      |              |                           |            |                   |                      |
| <b>Raisin Varieties</b>           |             |                      |              |                           |            |                   |                      |
| <b>Crushed</b>                    | <b>2009</b> | <b>10,900</b>        | <b>7.60</b>  | <b>82,840</b>             | <b>Ton</b> | <b>165.00</b>     | <b>13,669,000</b>    |
|                                   | 2008        | 13,300               | 10.24        | 136,192                   | Ton        | 220.00            | 29,962,000           |
|                                   | 2007        | 12,700               | 9.71         | 123,317                   | Ton        | 169.00            | 20,841,000           |
| <b>Dried</b>                      | <b>2009</b> | <b>21,100</b>        | <b>2.80</b>  | <b>59,080</b>             | <b>Ton</b> | <b>1,139.00</b>   | <b>67,292,000</b>    |
|                                   | 2008        | 21,000               | 2.99         | 62,790                    | Ton        | 1,073.00          | 67,374,000           |
|                                   | 2007        | 21,600               | 2.76         | 59,616                    | Ton        | 1,098.00          | 65,458,000           |
| <b>Fresh</b>                      | <b>2009</b> | <b>1,020</b>         | <b>10.05</b> | <b>10,251</b>             | <b>Ton</b> | <b>856.00</b>     | <b>8,775,000</b>     |
|                                   | 2008        | 1,150                | 8.51         | 9,787                     | Ton        | 885.00            | 8,661,000            |
|                                   | 2007        | 1,520                | 9.54         | 14,501                    | Ton        | 929.00            | 13,471,000           |
| <b>Table Varieties</b>            | <b>2009</b> | <b>2,060</b>         | <b>9.90</b>  | <b>20,394</b>             | <b>Ton</b> | <b>1,510.00</b>   | <b>30,795,000</b>    |
|                                   | 2008        | 2,200                | 7.22         | 15,884                    | Ton        | 1,108.00          | 17,599,000           |
|                                   | 2007        | 2,100                | 8.51         | 17,871                    | Ton        | 1,617.00          | 28,897,000           |
| <b>Wine Varieties<sup>c</sup></b> |             |                      |              |                           |            |                   |                      |
| <b>Red Varieties</b>              | <b>2009</b> | <b>23,500</b>        | <b>10.43</b> | <b>244,635</b>            | <b>Ton</b> | <b>262.00</b>     | <b>64,218,000</b>    |
|                                   | 2008        | 24,100               | 10.10        | 243,410                   | Ton        | 266.00            | 64,747,000           |
|                                   | 2007        | 23,300               | 11.49        | 267,717                   | Ton        | 221.00            | 59,165,000           |
| <b>White Varieties</b>            | <b>2009</b> | <b>15,900</b>        | <b>10.42</b> | <b>165,678</b>            | <b>Ton</b> | <b>248.00</b>     | <b>41,088,000</b>    |
|                                   | 2008        | 17,800               | 9.88         | 175,864                   | Ton        | 252.00            | 44,318,000           |
|                                   | 2007        | 17,500               | 10.03        | 175,525                   | Ton        | 211.00            | 37,036,000           |
| <b>Total Grapes</b>               | <b>2009</b> | <b>74,480</b>        |              |                           |            |                   | <b>225,469,000</b>   |
|                                   | 2008        | 79,550               |              |                           |            |                   | 232,661,000          |
|                                   | 2007        | 78,720               |              |                           |            |                   | 224,868,000          |
| <b>Nectarines<sup>d</sup></b>     | <b>2009</b> | <b>-</b>             | <b>-</b>     | <b>-</b>                  | <b>-</b>   | <b>-</b>          | <b>-</b>             |
|                                   | 2008        | 450                  | 6.00         | 2,700                     | Ton        | 670.00            | 1,809,000            |
|                                   | 2007        | 490                  | 6.56         | 3,214                     | Ton        | 633.00            | 2,035,000            |



# FRUIT & NUT CROPS

| Item          | Year                       | PRODUCTION        |          |                     | VALUE |            |                      |           |
|---------------|----------------------------|-------------------|----------|---------------------|-------|------------|----------------------|-----------|
|               |                            | Harvested Acreage | Per Acre | Total               | Unit  | Per Unit   | Total                |           |
| Olives        | 2009                       | 1,100             | 0.57     | 627                 | Ton   | \$1,116.00 | \$700,000            |           |
|               | 2008                       | 1,190             | 4.68     | 5,569               | Ton   | 891.00     | 4,962,000            |           |
|               | 2007                       | 1,330             | 1.78     | 2,367               | Ton   | 914.00     | 2,164,000            |           |
| Oranges       | 2009                       | 3,550             | 12.64    | 44,872              | Ton   | 187.00     | 8,391,000            |           |
|               | 2008                       | 3,630             | 16.31    | 59,205              | Ton   | 142.00     | 8,407,000            |           |
|               | 2007                       | 3,840             | 13.61    | 52,262              | Ton   | 145.00     | 7,578,000            |           |
| Peaches       | Cling                      | 2009              | 340      | 16.00               | 5,512 | Ton        | 318.00               | 1,753,000 |
|               |                            | 2008              | 350      | 16.81               | 5,884 | Ton        | 325.00               | 1,912,000 |
|               |                            | 2007              | 410      | 16.36               | 6,708 | Ton        | 238.00               | 1,596,000 |
|               | Freestone                  | 2009              | 770      | 11.46               | 8,835 | Ton        | 527.00               | 4,659,000 |
|               |                            | 2008              | 460      | 14.57               | 6,702 | Ton        | 319.00               | 2,138,000 |
|               |                            | 2007              | 600      | 15.63               | 9,378 | Ton        | 257.00               | 2,410,000 |
| Pistachios    | 2009                       | 27,700            | 0.84     | 23,268 <sup>b</sup> | Ton   | 3,520.00   | 81,903,000           |           |
|               | 2008                       | 26,900            | 1.60     | 43,040              | Ton   | 4,155.00   | 178,831,000          |           |
|               | 2007                       | 25,200            | 1.14     | 28,728              | Ton   | 2,905.00   | 83,455,000           |           |
| Plums         | 2009                       | 180               | 8.55     | 1,539               | Ton   | 904.00     | 1,391,000            |           |
|               | 2008                       | 320               | 7.52     | 2,406               | Ton   | 863.00     | 2,077,000            |           |
|               | 2007                       | 390               | 8.97     | 3,498               | Ton   | 821.00     | 2,872,000            |           |
| Plums, Dried  | 2009                       | 1,290             | 3.45     | 4,451               | Ton   | 1,445.00   | 6,431,000            |           |
|               | 2008                       | 1,240             | 3.46     | 4,290               | Ton   | 1,506.00   | 6,461,000            |           |
|               | 2007                       | 1,200             | 3.23     | 3,876               | Ton   | 1,410.00   | 5,465,000            |           |
| Walnuts       | 2009                       | 1,200             | 1.53     | 1,836               | Ton   | 1,674.00   | 3,073,000            |           |
|               | 2008                       | 1,250             | 1.43     | 1,788               | Ton   | 1,542.00   | 2,757,000            |           |
|               | 2007                       | 1,460             | 1.30     | 1,898               | Ton   | 2,060.00   | 3,910,000            |           |
| Miscellaneous | Fruits & Nuts <sup>e</sup> | 2009              | 4,190    |                     |       |            | 23,531,000           |           |
|               |                            | 2008              | 2,500    |                     |       |            | 19,950,000           |           |
|               |                            | 2007              | 2,430    |                     |       |            | 11,810,000           |           |
|               | Orchard Firewood           | 2009              |          |                     | 7,000 | Cord       |                      | 980,000   |
|               |                            | 2008              |          |                     | 7,800 | Cord       |                      | 1,170,000 |
|               |                            | 2007              |          |                     | 7,500 | Cord       |                      | 1,125,000 |
| <b>TOTAL</b>  | 2009                       | <b>189,460</b>    |          |                     |       |            | <b>\$552,033,000</b> |           |
|               | 2008                       | 191,000           |          |                     |       |            | 696,154,000          |           |
|               | 2007                       | 186,850           |          |                     |       |            | 615,797,000          |           |

a/ Meat basis

b/ Reflects total production, including imperfect stock; price weighted accordingly

c/ Includes table grape crushed

d/ 2009 harvested acreage & value included in Miscellaneous Fruit & Nuts

e/ Includes apples, apricots, berries, kiwis, nectarines, pears, pecans, persimmons, pomegranates, tangelos, tangerines, strawberries, almond and walnut shells



## FOREST PRODUCTS

### PRODUCTION

### VALUE

| Item     | Year | Production | Unit              | Total Value          |
|----------|------|------------|-------------------|----------------------|
| Timber   | 2009 | 280        | MBF <sup>a</sup>  | \$36,000             |
|          | 2008 | 620        | MBF               | 86,000               |
|          | 2007 | 7,074      | MBF               | 987,000              |
| Firewood | 2009 | 1,380      | Cord <sup>b</sup> | 287,000 <sup>c</sup> |
|          | 2008 | 1,253      | Cord              | 262,000              |
|          | 2007 | 1,255      | Cord              | 270,000              |
| TOTAL    | 2009 |            |                   | \$323,000            |
|          | 2008 |            |                   | 348,000              |
|          | 2007 |            |                   | 1,257,000            |

a/ Million Board Feet

c/ Includes value for Christmas trees, greenery, pinecones and saw logs

b/ Cord: 128 cubic feet



## NURSERY PRODUCTS

### PRODUCTION

### VALUE

| Item                       | Year | Field Acres | House Sq. Foot | Total Value  |
|----------------------------|------|-------------|----------------|--------------|
| Nursery Stock <sup>a</sup> | 2009 | 740         | 669,000        | \$26,081,000 |
|                            | 2008 | 670         | 697,000        | 33,820,000   |
|                            | 2007 | 720         | 760,000        | 34,866,000   |

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



## APIARY PRODUCTS

### PRODUCTION

### VALUE

| Item                   | Year | Total   | Unit   | Per Unit | Total        |
|------------------------|------|---------|--------|----------|--------------|
| <b>Apiary Products</b> |      |         |        |          |              |
| Beeswax                | 2009 | 22,000  | Pound  | \$2.12   | \$47,000     |
|                        | 2008 | 34,000  | Pound  | 1.73     | 59,000       |
|                        | 2007 | 19,900  | Pound  | 1.20     | 24,000       |
| Honey                  | 2009 | 611,000 | Pound  | 1.26     | 770,000      |
|                        | 2008 | 509,000 | Pound  | 1.29     | 657,000      |
|                        | 2007 | 354,000 | Pound  | 0.89     | 315,000      |
| Pollination            | 2009 | 141,000 | Colony | 138.00   | 19,458,000   |
|                        | 2008 | 167,000 | Colony | 139.00   | 23,213,000   |
|                        | 2007 | 136,000 | Colony | 134.00   | 18,224,000   |
| TOTAL                  | 2009 |         |        |          | \$20,275,000 |
|                        | 2008 |         |        |          | 23,929,000   |
|                        | 2007 |         |        |          | 18,563,000   |



# LIVESTOCK AND POULTRY

## PRODUCTION

## VALUE

| Item                             | Year | Head   | Liveweight | Unit             | Per Unit | Total        |
|----------------------------------|------|--------|------------|------------------|----------|--------------|
| Cattle and Calves <sup>a</sup>   | 2009 | 81,040 | 596,220    | CWT <sup>b</sup> | \$68.00  | \$40,543,000 |
|                                  | 2008 | 82,560 | 598,280    | CWT              | 70.00    | 41,880,000   |
|                                  | 2007 | 74,100 | 569,000    | CWT              | 71.00    | 40,399,000   |
| Replacement Heifers <sup>c</sup> | 2009 | 28,520 |            |                  | 1,210.00 | 34,509,000   |
|                                  | 2008 | 31,280 |            |                  | 1,740.00 | 54,427,000   |
|                                  | 2007 | 30,600 |            |                  | 1,770.00 | 54,162,000   |
| Poultry                          | 2009 |        |            |                  |          | 24,531,000   |
|                                  | 2008 |        |            |                  |          | 33,708,000   |
|                                  | 2007 |        |            |                  |          | 26,321,000   |
| TOTAL                            | 2009 |        |            |                  |          | \$99,583,000 |
|                                  | 2008 |        |            |                  |          | 130,015,000  |
|                                  | 2007 |        |            |                  |          | 120,882,000  |

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 <sup>a</sup>        | 2009 | 14,382,349 | CWT  | \$11.25  | \$161,758,000 |
|                                 | 2008 | 16,995,929 | CWT  | 16.57    | 281,623,000   |
|                                 | 2007 | 16,026,121 | CWT  | 17.94    | 287,543,000   |
| Milk Manufacturing <sup>a</sup> | 2009 | 571,168    | CWT  | 12.08    | 6,897,000     |
|                                 | 2008 | 658,191    | CWT  | 18.56    | 12,216,000    |
|                                 | 2007 | 755,905    | CWT  | 18.90    | 14,290,000    |
| Other Products <sup>b</sup>     | 2009 |            |      |          | 18,019,000    |
|                                 | 2008 |            |      |          | 10,549,000    |
|                                 | 2007 |            |      |          | 13,473,000    |
| TOTAL                           | 2009 |            |      |          | \$186,674,000 |
|                                 | 2008 |            |      |          | 304,388,000   |
|                                 | 2007 |            |      |          | 315,907,000   |

a/ Madera County has 55 dairies, with 71,300 lactating cows

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





# Sustainable Agriculture Report 2009

## 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 management.

The **Pest Exclusion Program** prevents the introduction of injurious pests that are not of common occurrence in the county.

During 2009, twenty-one nursery locations were inspected to ensure pest cleanliness. Over 60 shipments of plant materials, received by nurseries, were inspected for potentially injurious pests prior to retail sale.



Over 21,000 acres were surveyed for Red Imported Fire Ants, including commercial nurseries, recently-landscaped residential developments and orchards pollinated by out-of-state beehives. Over 4,700 acres are under treatment for Red Imported Fire Ants.

Red Imported Fire Ant (Photo/University of California Cooperative Extension)

Countries receiving agricultural commodities require certification that the commodities are free from potentially injurious pests. Over 2,880 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. Over 1,100 traps were deployed in the county, with over 10,900 trap servicings performed during the 2009 season. The trapping program in Madera County targeted multiple pests, including the following:

*Apple Maggot*

*Gypsy Moth*

*Light Brown Apple Moth*

*Mexican Fruit Fly*

*Caribbean Fruit Fly*

*Japanese Beetle*

*Mediterranean Fruit Fly*

*Oriental Fruit Fly*

*European Corn Borer*

*Khapra Beetle*

*Melon Fruit Fly*



Mediterranean Fruit Fly  
Photo/Jack Clark, University of California  
Agriculture and Natural Resources



Japanese Beetle  
Photo/David Cappaert/bugwood.org

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 2009, plowdown of 330 acres of cotton was verified, ensuring the destruction of habitat supportive of this pest.

## PEST MANAGEMENT

Glassy-Winged Sharpshooter, UC Extension



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 698 traps, with 9,844 subsequent trap servicings. In addition, incoming shipments of host material and susceptible county plantings were inspected. Over 560 nursery shipments were inspected in 2009. On July 23, 2009, two Glassy-winged Sharpshooters were found in a nursery. Our office deployed 181 delimitation traps in and around the nursery. Subsequent trap servicings and visual surveys of the nursery during the months of July and August of 2009 revealed no additional Glassy-winged Sharpshooters.

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

Forty-six **Organic Farms**, totaling approximately 5,300 acres, two handlers and one processor, were registered in Madera County in 2009. Utilizing organic principles defined in the California Organic Products Act of 2003, these farms produce a wide array of commodities, such as:

alfalfa, almonds, apples, apricots, artichokes, arugula, basil, green beans, beets, berries, broccoli, brussels sprouts, cabbage, cantaloupe, carrots, chard, cherries, cilantro, collards, sweet corn, cucumbers, dill, eggplant, fennel, figs, garlic, grapes (table, raisin, wine), herbs, honeydew, kale, kiwi, kohlrabi, leeks, lettuce, okra, onions, oranges, parsley, parsnip, peaches, peas, peppers, pistachios, dried plums, pomegranates, potatoes, prickly pear, radish, spinach, squash, tomatoes, turnips, watermelons, zucchini.

The value of organic production in Madera County during 2009 was **\$17 452 000**



Blueberries/Scott Bauer, USDA ARS





## Countries Receiving Madera County Commodities

|                    |                    |                      |
|--------------------|--------------------|----------------------|
| Algeria            | Guatemala          | Norway               |
| Armenia            | Hong Kong          | Pakistan             |
| Australia          | Hungary            | Philippines          |
| Austria            | India              | Poland               |
| Bahrain            | Indonesia          | Portugal             |
| Belgium            | Ireland            | Romania              |
| Bangladesh         | Israel             | Russian Federation   |
| Bermuda            | Italy              | Saudi Arabia         |
| Brazil             | Japan              | Serbia               |
| Canada             | Jordan             | Singapore            |
| China              | Korea, Republic of | Spain                |
| Croatia            | Kuwait             | Sweden               |
| Cyprus             | Latvia             | Switzerland          |
| Czech Republic     | Lebanon            | Thailand             |
| Denmark            | Lithuania          | Taiwan               |
| Dominican Republic | Malaysia           | Tunisia              |
| Egypt              | Mexico             | Turkey               |
| Estonia            | Montenegro         | United Arab Emirates |
| Finland            | Morocco            | United Kingdom       |
| France             | Nepal              | Venezuela            |
| Germany            | Netherlands        |                      |
| Greece             | New Zealand        |                      |

## Madera County Commodities Exported

### Fruits:

Figs  
Grapes  
Prunes  
Raisins

### Nuts:

Almonds  
Pistachios  
Walnuts

### Nursery Stock:

Ornamentals

### Field Crops:

Corn (Flour)



# AGRICULTURAL CROP REPORT SUMMARY

## MADERA COUNTY 2009

| Item                                  | Year        | Harvested Acres | Total Value          |
|---------------------------------------|-------------|-----------------|----------------------|
| <b>Apiary</b>                         | <b>2009</b> |                 | <b>\$20,275,000</b>  |
|                                       | 2008        |                 | 23,929,000           |
|                                       | 2007        |                 | 18,563,000           |
| <b>Field Crops</b>                    | <b>2009</b> | <b>449,450</b>  | <b>61,154,000</b>    |
|                                       | 2008        | 463,600         | 107,968,000          |
|                                       | 2007        | 454,420         | 89,390,000           |
| <b>Fruit and Nut Crops</b>            | <b>2009</b> | <b>189,460</b>  | <b>552,033,000</b>   |
|                                       | 2008        | 191,000         | 696,154,000          |
|                                       | 2007        | 186,850         | 615,797,000          |
| <b>Livestock and Poultry</b>          | <b>2009</b> |                 | <b>99,583,000</b>    |
|                                       | 2008        |                 | 130,015,000          |
|                                       | 2007        |                 | 120,882,000          |
| <b>Livestock and Poultry Products</b> | <b>2009</b> |                 | <b>186,674,000</b>   |
|                                       | 2008        |                 | 304,388,000          |
|                                       | 2007        |                 | 315,907,000          |
| <b>Nursery Products</b>               | <b>2009</b> | <b>740</b>      | <b>26,081,000</b>    |
|                                       | 2008        | 670             | 33,820,000           |
|                                       | 2007        | 720             | 34,866,000           |
| <b>Forest Products</b>                | <b>2009</b> |                 | <b>323,000</b>       |
|                                       | 2008        |                 | 348,000              |
|                                       | 2007        |                 | 1,257,000            |
| <b>Vegetable Crops</b>                | <b>2009</b> | <b>4,140</b>    | <b>17,345,000</b>    |
|                                       | 2008        | 2,920           | 14,253,000           |
|                                       | 2007        | 6,300           | 23,568,000           |
| <b>TOTAL</b>                          | <b>2009</b> |                 | <b>\$963,468,000</b> |
|                                       | 2008        |                 | 1,310,875,000        |
|                                       | 2007        |                 | 1,220,230,000        |



**Madera County**  
**Department of Agriculture**  
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**Madera, CA 93637**