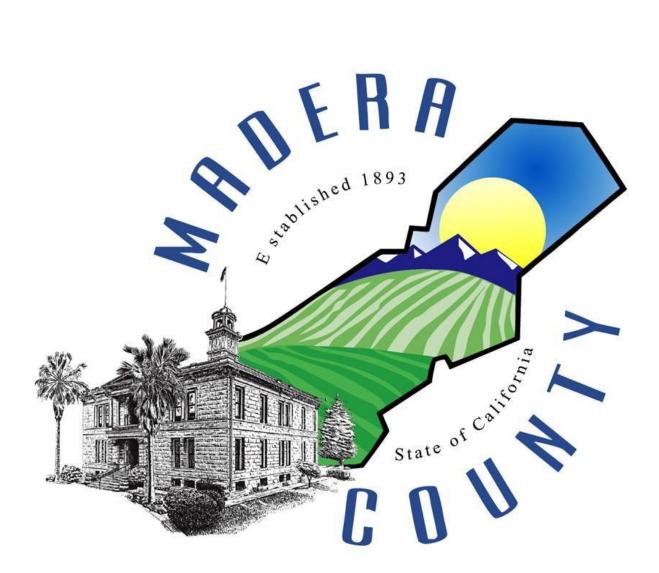
# 2012 AGRICULTURAL CROP REPORT



MADERA COUNTY DEPARTMENT OF AGRICULTURE

## **MADERA COUNTY STAFF**

#### Madera County Board of Supervisors

Manuel Nevarez

**David Rogers** 

District 1

District 2

Rick Farinelli

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District 3

District 4

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District 5

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Agricultural Commissioner/

Sealer of Weights & Measures

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# Madera County Department of Agriculture Weights and Measures

Stephanie "Stevie" McNeill, Agricultural Commissioner Sealer of Weight and Measures

> Jay Seslowe, Assistant Agricultural Commissioner/Sealer

Karen Ross, Secretary California Department of Food and Agriculture

and

The Honorable Board of Supervisors

County of Madera, California

Manuel Nevarez

District 1

David Rogers

Rick Farinelli

District 3

Tom Wheeler District 5

It is my pleasure to present the 2012 Madera County Agricultural Crop and Livestock Report. This annual statistical report is compiled in accordance with Sections 2271 and 2279 of the California Food and Agricultural Code, and contains data on the acreage, yield, and gross values of Madera County Agricultural commodities. It is important to note that the values presented in this report do not represent net income or loss to producers.

The 2012 gross value of Madera County agricultural commodities set a new record of \$1,739,411,000; this is an increase of \$169,890,000 (10.82%) over 2011 production.

Almonds retained the top crop rank for the third year in a row, with a value of \$487,358,000, an increase of \$72,922,000 (17.59%), mainly due to strong prices. Grapes surpassed milk to become the second highest ranking crop, with an increase of \$60,039,000 (19.97%) due to an increase in prices. Milk fell to the third spot with a value of \$288,768,000, a decrease of \$38,407,000 (-11.74%), due to lower total milk production and prices.

Increases were seen in apiary (7.24%) primarily due to increases in honey production and price; fruit and nut crops (23.10%) due mainly to stronger prices; forest products (124.28%) attributed to an increase in board feet; livestock and poultry (9.02%) due to improving prices, and vegetable crops (2.26%) mainly reflecting increased yields in fresh and processing tomatoes. Decreases were seen in field crops (-6.16%) with decreases in corn yields, decreases in cotton acreage and price, and decreased wheat acreage; livestock and poultry products (-13.89%) primarily due to decreased production and prices; and nursery products (-10.22%) due to reduced acreage.

I wish to extend my appreciation to our Madera County farmers, ranchers, agricultural industries and agencies. Without their efforts and contributions of information, this report would not be possible. Additionally, I would like to express my thanks to my staff that contributed to compiling and preparing this report, and especially to Senior Agricultural and Standards Inspector Cha Vang and his dedication to producing the annual report.

To view the 2012 Madera County Agricultural and Livestock Report, or previous reports, please visit our website online at <a href="http://madera-county.com/agcommissioner/cropreports/index.html">http://madera-county.com/agcommissioner/cropreports/index.html</a>.

Respectfully submitted,

Stevie McNeill

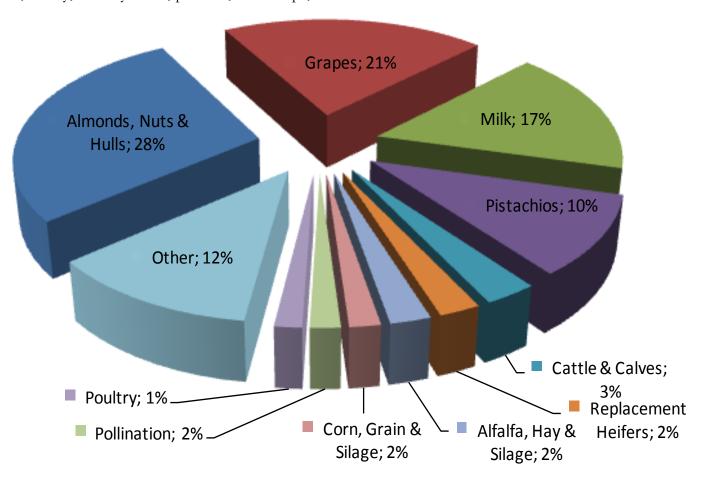
Agricultural Commissioner/Sealer

Sterie Meneral

# TEN LEADING CROPS MADERA COUNTY 2012

	2012	2012	2011
Commodity	Rank	Dollar Value	Rank
Almonds, Nuts & Hulls	1	\$487,358,000	1
Grapes	2	\$360,720,000	3
Milk	3	\$288,768,000	2
Pistachios	4	\$181,238,000	4
Cattle & Calves	5	\$51,415,000	5
Replacement Heifers	6	\$39,900,000	6
Alfalfa, Hay & Silage	7	\$39,198,000	7
Corn, Grain & Silage	8	\$29,802,000	8
Pollination	9	\$28,917,000	9
Poultry	10	\$26,150,000	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, 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 citrus, corn, honey, nursery stock, peaches, seed crops, tomatoes and wheat.



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# **Field Crops**

# **PRODUCTION**

Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Alfalfa							
Hay	2012	22,200	7.24	160,728	Ton	\$227.00	\$36,485,000
	2011	20,200	7.64	154,328	Ton	236.00	36,421,000
	2010	28,900	6.09	176,001	Ton	133.00	23,408,000
Silagea	2012			43,060	Ton	63.00	2,713,000
8	2011			52,764	Ton	53.00	2,796,000
	2010			62,522	Ton	34.00	2,126,000
Total	2012	22,200					39,198,000
	2011	20,200					39,217,000
	2010	28,900					25,534,000
Corn							
Grain	2012	1,700	5.74	9,758	Ton	265.00	2,586,000
	2011	1,300	6.89	8,957	Ton	244.00	2,186,000
	2010	1,100	5.49	6,039	Ton	192.00	1,159,000
Silage	2012	22,800	25.95	591,660	Ton	46.00	27,216,000
8	2011	24,400	27.00	658,800	Ton	40.00	26,352,000
	2010	21,300	26.94	573,822	Ton	30.00	17,215,000
Total	2012	24,500					29,802,000
	2011	25,700					28,538,000
	2010	22,400					18,374,000
Cotton							
Lint	2012	1,200	1,527 <sup>b</sup>	3,818	Balec	0.87d	1,594,000
	2011	5,500	1,554	17,806	Bale	1.11	9,487,000
	2010	<b>4,</b> 100	1,561	13,334	Bale	1.20	7,680,000
Seed	2012			1,527	Ton	317.00	484,000
	2011			7,124	Ton	289.00	2,059,000
	2010			5,328	Ton	237.00	1,263,000
Total	2012	1,200					2,078,000
	2011	5,500					11,546,000
	2010	<b>4,1</b> 00					8,943,000
Oat							
Hay	2012	3,400	2.72	9,248	Ton	155.00	1,433,000
•	2011	3,600	2.38	8,568	Ton	124.00	1,062,000
	2010	<b>3,</b> 100	2.08	6,448	Ton	81.00	522,000
Pasture							
Irrigated	2012	1,500			Acre	150.00	225,000
<b>0</b>	2011	2,700			Acre	150.00	405,000
	2010	3,300			Acre	150.00	495,000
Rangeland	2012	353,000			Acre	15.00	5,295,000
6	2011	353,000			Acre	15.00	5,295,000
	2010	353,000			Acre	12.00	4,236,000

# **Field Crops**

#### **PRODUCTION**

#### **VALUE**

		Harvested	Per			Per	
Item	Year	Acreage	Acre	Total	Unit	Unit	Total
Wheat							
Grain	2012	6,700	2.22	14,874	Ton	\$250.00	\$3,719,000
	2011	7,600	2.84	21,584	Ton	244.00	5,266,000
	2010	<b>14,2</b> 00	2.40	34,080	Ton	182.00	6,203,000
Silage	2012	21,000	14.52	304,920	Ton	37.00	11,282,000
	2011	22,400	13.93	312,032	Ton	31.00	9,673,000
	2010	17,800	14.98	266,644	Ton	21.00	5,600,000
Total	2012	27,700					15,001,000
	2011	30,000					14,939,000
	2010	32,000					11,803,000
Winter Forage	2012	3,400	12.65	43,010	Ton	41.00	1,763,000
	2011	2,500	14.13	35,325	Ton	33.00	1,166,000
	2010	2,700	16.81	45,387	Ton	20.00	908,000
Miscellaneouse	2012	5,900					9,611,000
	2011	6,800					9,088,000
	2010	8,900					8,601,000
TOTAL	2012	442,800					\$104,406,000
	2011	450,000					111,256,000
	2010	458,400					79,416,000

a/ Alfalfa acreage yields both hay and silage

# **Vegetable Crops**

#### **PRODUCTION**

		Harvested	Per			Per	
Item	Year	Acreage	Acre	Total	Unit	Unit	Total
Tomatoes							
Fresh	2012	400	23.29	9,316	Ton	\$448.00	\$4,174,000
	2011	400	16.06	6,424	Ton	440.00	2,827,000
	2010	320	16.22	5,190	Ton	425.00	2,206,000
Processed	2012	3,000	67.36	202,080	Ton	68.00	13,741,000
	2011	2,100	55.92	117,432	Ton	65.00	7,633,000
	2010	2,700	49.17	132,759	Ton	64.00	8,497,000
Miscellaneousa	2012	1,900					16,917,000
	2011	1,630					23,601,000
	2010	1,700					12,572,000
TOTAL	2012	5,300					\$34,832,000
	2011	4,130					34,061,000
	2010	4,720					23,275,000

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

b/ Pounds

c/ Bale: 480 pounds

d/Price per pound

e/Includes barley (hay & silage), dried beans, seed crops, Sudangrass, wheat hay, field and stubble straw.

# FRUIT & NUT CROPS

#### **PRODUCTION**

Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Almondsa	2012	92,000	1.08	99,360b	Ton	\$4,614.00	\$458,447,000
	2011	89,000	1.23	109,470	Ton	3,497.00	382,817,000
	2010	80,000	0.91	72,800	Ton	3,501.00	254,873,000
Almond Hulls	2012			212,584	Ton	136.00	28,911,000
	2011			234,215	Ton	135.00	31,619,000
	2010			155,758	Ton	103.00	16,043,000
Cherries	2012	460	3.91	1,799	Ton	5,319.00	9,569,000
	2011	440	3.72	1,637	Ton	3,456.00	5,657,000
	2010	400	5.23	2,092	Ton	2,713.00	5,676,000
Figs	2012	5,400	1.59	8,586	Ton	1,690.00	14,510,000
	2011	5,700	1.80	10,260	Ton	1,471.00	15,092,000
	2010	6,750	1.95	13,163	Ton	1,518.00	19,981,000
Grapes							
Raisin Varieties							
Crushed	2012	11,000	8.56	94,160	Ton	312.00	29,378,000
	2011	10,500	10.66	111,930	Ton	260.00	29,102,000
	2010	10,000	9.29	92,900	Ton	212.00	19,695,000
Dried	2012	22,800	2.59	59,052	Ton	1,720.00	101,569,000
	2011	22,300	2.58	57,534	Ton	1,530.00	88,027,000
	2010	21,000	2.60	54,600	Ton	1,321.00	72,127,000
Fresh	2012	1,300	5.66	7,358	Ton	1,474.00	10,846,000
	2011	1,000	10.90	10,900	Ton	1,417.00	15,445,000
	2010	900	10.30	9,270	Ton	1,001.00	9,279,000
Table Varieties	2012	1,800	12.87	23,166	Ton	1,756.00	40,679,000
	2011	2,250	9.72	21,870	Ton	1,578.00	34,511,000
	2010	2,300	9.41	21,643	Ton	1,424.00	30,820,000
Wine Varieties <sup>c</sup>							
Red	2012	23,000	11.19	257,370	Ton	402.00	103,463,000
Varieties	2011	23,400	10.44	244,296	Ton	335.00	81,839,000
	2010	22,400	10.25	229,600	Ton	257.00	59,007,000
White	2012	17,100	11.82	202,122	Ton	370.00	74,785,000
Varieties	2011	15,000	11.54	173,100	Ton	299.00	51,757,000
	2010	15,200	11.32	172,064	Ton	243.00	41,812,000
<b>Total Grapes</b>	2012	77,000					360,720,000
	2011	74,450					300,681,000
	2010	71,800					232,740,000

# FRUIT & NUT CROPS

#### **PRODUCTION**

Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Olives, Fresh & Oil	2012	900	5.61	5,049	Ton	\$713.00	\$3,600,000
	2011	1,100	1.76	1,936	Ton	618.00	1,196,000
	2010	1,380	4.76	6,569	Ton	793.00	5,209,000
Oranges	2012	3,000	18.41	55,230	Ton	178.00	9,831,000
_	2011	3,400	18.40	62,560	Ton	215.00	13,450,000
	2010	3,430	12.74	43,698	Ton	168.00	7,341,000
Peaches							
Cling	2012	310	20.64	6,398	Ton	306.00	1,958,000
	2011	260	15.30	3,978	Ton	291.00	1,158,000
	2010	320	16.00	5,120	Ton	310.00	1,587,000
Freestone	2012	450	14.56	6,552	Ton	932.00	6,106,000
	2011	630	15.99	10,074	Ton	621.00	6,256,000
	2010	740	12.84	9,502	Ton	493.00	4,684,000
Total	2012	760					8,064,000
	2011	890					7,414,000
	2010	1,060					6,271,000
Pistachios	2012	29,000	1.44	41,760 <sup>b</sup>	Ton	4,354.00	181,238,000
	2011	28,300	0.97	27,451	Ton	4,120.00	113,098,000
	2010	28,000	1.74	48,720	Ton	4,920.00	239,702,000
Plums, Dried	2012	1,100	2.92	3,212	Ton	1,395.00	4,481,000
	2011	1,200	3.71	4,452	Ton	1,383.00	6,157,000
	2010	1,100	3.62	3,982	Ton	1,437.00	5,722,000
Walnuts	2012	1,300	2.04	2,652	Ton	2,911.00	7,720,000
	2011	1,340	1.54	2,064	Ton	2,749.00	5,674,000
	2010	1,250	1.78	2,225	Ton	1,867.00	4,154,000
Miscellaneous							
Fruits & Nutsd	2012	9,300					49,104,000
	2011	9,100					39,919,000
	2010	4,800					33,834,000
Orchard	2012			6,000	Corde		900,000
Firewood	2011			6,500	Cord		975,000
	2010			6,500	Cord		975,000
TOTAL	2012	220,220					\$1,137,095,000
	2011	214,920					923,749,000
	2010	199,970					832,521,000

a/ Meat basis

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

c/ Includes table grape crushed

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

e/ Cord: 128 Cubic feet

# **FOREST PRODUCTS**

			TION	VALUE
Item Year	Production	Unit	Total	
Timber	2012	9,900	$MBF^a$	\$810,000
	2011	3,839	MBF	282,000
	2010	3,353	MBF	225,000
Firewood <sup>b</sup>	2012	1,509	Cordc	280,000
	2011	1,745	Cord	204,000
	2010	2,075	Cord	228,000
TOTAL	2012			\$1,090,000
	2011			486,000
	2010			453,000

a/ MBF: Thousand board feet

c/ Cord: 128 Cubic feet

## **NURSERY PRODUCTS**

**VALUE** 

Item	Year	Field Acres	House Sq. Foot	Total
Nursery Stocka	2012	330	160,000	\$17,109,000
•	2011	440	532,000	19,057,000
	2010	840	653,000	24.445.000

**PRODUCTION** 

## **APIARY PRODUCTS**

		PRODUC	TION	VALUE	
Item	Year	Total	Unit	Per Unit	Total
Apiary Products					
Beeswax	2012	56,029	Pound	\$2.35	\$132,000
	2011	41,500	Pound	1.18	49,000
	2010	30,000	Pound	2.04	61,000
Honey	2012	958,000	Pound	1.87	1,791,000
	2011	515,000	Pound	1.50	773,000
	2010	781,000	Pound	1.43	1,117,000
Pollination	2012	189,000	Colony	153.00	28,917,000
	2011	194,000	Colony	144.00	27,936,000
	2010	190,000	Colony	139.00	26,410,000
TOTAL	2012				\$30,840,000
	2011				28,758,000
	2010				27,588,000

b/ Includes Christmas trees, greenery, pinecones and saw logs

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

# LIVESTOCK AND POULTRY

#### **PRODUCTION**

#### **VALUE**

Item	Year	Head	Liveweight	Unit	Per Unit	Total
Cattle and Calvesa	2012	78,200	565,000	$CWT^b$	\$91.00	\$51,415,000
	2011	78,500	567,800	CWT	80.00	45,424,000
	2010	76,300	551,720	CWT	79.00	43,586,000
Replacement Heifers <sup>c</sup>	2012	30,000			1,330.00	39,900,000
	2011	30,000			1,340.00	40,200,000
	2010	29,200			1,310.00	38,252,000
Poultry	2012					26,125,000
	2011 2010					22,097,000 22,994,000
TOTAL	2012					\$117,440,000
	2011					107,721,000
	2010					104,832,000

a/ Range and dairy cattle sold for beef

# LIVESTOCK AND POULTRY PRODUCTS

#### **PRODUCTION**

Item	Year	Production	Unit	Per Unit	Total
Milk Marketa	2012	17,732,572	CWT	\$16.26	\$288,346,000
	2011	17,780,987	CWT	18.33	325,946,000
	2010	15,671,924	CWT	14.52	227,556,000
Milk Manufacturinga	2012	24,955	CWT	16.91	422,000
_	2011	65,222	CWT	18.84	1,229,000
	2010	621,409	CWT	14.57	9,054,000
Other Products <sup>b</sup>	2012				7,831,000
	2011				17,258,000
	2010				19,365,000
TOTAL	2012				\$296,599,000
	2011				344,433,000
	2010				255,975,000

a/ Madera County has 46 dairies, with 68,183 lactating cows

b/ Hundredweight: 100 pounds

c/ Milk cows

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

# AGRICULTURAL CROP REPORT SUMMARY MADERA COUNTY 2012

Item	Year	Harvested Acres	Total Value
Apiary	2012		\$30,840,000
1	2011		28,758,000
	2010		27,588,000
Field Crops	2012	442,800	104,406,000
	2011	450,000	111,256,000
	2010	458,400	79,416,000
Fruit and Nut Crops	2012	220,220	1,137,095,000
-	2011	214,920	923,749,000
	2010	199,970	832,521,000
Forest Products	2012		1,090,000
	2011		486,000
	2010		453,000
Livestock and Poultry	2012		117,440,000
	2011		107,721,000
	2010		104,832,000
Livestock and Poultry Products	2012		296,599,000
	2011		344,433,000
	2010		255,975,000
Nursery Products	2012	330	17,109,000
	2011	440	19,057,000
	2010	840	24,445,000
Vegetable Crops	2012	5,300	34,832,000
	2011	4,130	34,061,000
	2010	<b>4,72</b> 0	23,275,000
TOTAL	2012		\$1,739,411,000
	2011		1,569,521,000
	2010		1,348,505,000

# MADERA COUNTY HIGHLIGHTS

	County Established	March 11, 1893
	County Seat	Madera (city)
	Population <sup>a</sup>	152,218
Tota	al County Acreage	1,366,925
	2012 Harvested Acreage	668,650
	Field Crop Acreage	89,800
	Fruit and Nut Acreage	220,220
	Nursery Acreage	330
	Vegetable Acreage	5,300
	Rangeland Acreage	353,000
	Forest Acreage	414,300
	U. S. Parkland Acreage	83,000
Bore	dering Counties	
	Merced County	Northwest
	Mariposa County	North
	Mono County	East
	Fresno County	South and West
Ran	king 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	4
	Almonds	5 5 5
	Grapes, Table Variety	5
	Grapes, Wine Variety	
	Cattle & Calves	7
	Corn, Silage	7
	Olives	7
	Milk, Market	8
Ran	king of Madera County Among Counties of the United States	
	Total Agricultural Production <sup>c</sup>	21
a/	US Bureau of Census, 2012 Estimate	
b/	County Agricultural Commissioner's Data, 2011	
c/	USDA Ag Census, 2007	

Madera County Crop Reports from 2001 to 2012 are available at: http://www.madera-county.com/index.php/publications/crop-reports

# Sustainable Agriculture Report 2012

#### **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 <u>Pest Exclusion Program</u> prevents the introduction of injurious pests that are not of common occurrence in the county.

During 2012, four nursery locations were inspected to ensure pest cleanliness.

Countries receiving agricultural commodities require certification that the commodities are free from potentially injurious pests. Over 4,400 phytosanitary inspections were performed on Madera County commodities, which were exported to over 60 countries.

The <u>Pest Detection Program</u> utilizes insect traps and surveys for the detection of foreign pests which may have eluded exclusion efforts. Over 900 traps were deployed in the county, with over 8,600 trap servicings performed during the 2012 season.

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

Caribbean Fruit Fly (Anastrepha suspenss) European Corn Borer (Ostrinia nubilalus)

Gypsy Moth (Lymentria dispar) Japanese Beetle (Popillia japonica)

Light Brown Apple Moth (Epiphyas postvittana) Mediterranean Fruit Fly (Ceratitis capitata)

Melon Fruit Fly (Dacus cucurbitae) Mexican Fruit Fly (Anastrepha ludens)

Oriental Fruit Fly (Bactrocera dorsalis)

The <u>Integrated Pest Control Program</u> 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. Pink Bollworm was controlled by post-season plowdown of over 1,000 acres of cotton plantings.

# Sustainable Agriculture Report 2012

#### Pest Management

The <u>Glassy-winged Sharpshooter Program</u> serves to detect and control the vector of Pierce's Disease, a potentially catastrophic disease of vineyards. This program involved the placement of 370 traps, with over 4,400 subsequent trap servicings. In addition, incoming shipments of host material and susceptible county plantings were inspected. Multiple Glassy-winged Sharpshooters were found in Madera County and treatment was performed on and around the find sites. Additionally, the California Department of Food and Agriculture (CDFA) released three parasitic wasp (*Gonatocerus triguttatus*, *G. morrilli*, and *G. morgani*) in 2012 to aid in the control of the Glassy-winged Sharpshooters. Over 1,600 parasitoids were released in the Wildwood and Rolling Hills areas.

Fifty-two <u>Organic Farms</u>, totaling approximately 5,600 acres, two handlers and one processor, were registered in Madera County in 2012. 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, barley, basil, dried beans, green beans, beets, berries, broccoli, cabbage, cantaloupe, carrots, chard, cherries, cilantro, collards, sweet corn, cucumbers, daikon, eggplant, endive, escarole, fennel, figs, garlic, grapes (table, raisin, wine), hay, herbs, honeydew, kale, kohlrabi, leeks, lettuce, livestock, oats, oil crops, okra, olives, onions, parsnip, peaches, peas, peppers, persimmons, pistachios, prunes, pomegranates, potatoes, radish, radicchio, seed crops, sorghum, soybeans, spinach, squash, tomatillo, tomatoes, turnips, vetch, watermelons, wheat.

The value of organic production in Madera County in 2012 was \$15,725,000.

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