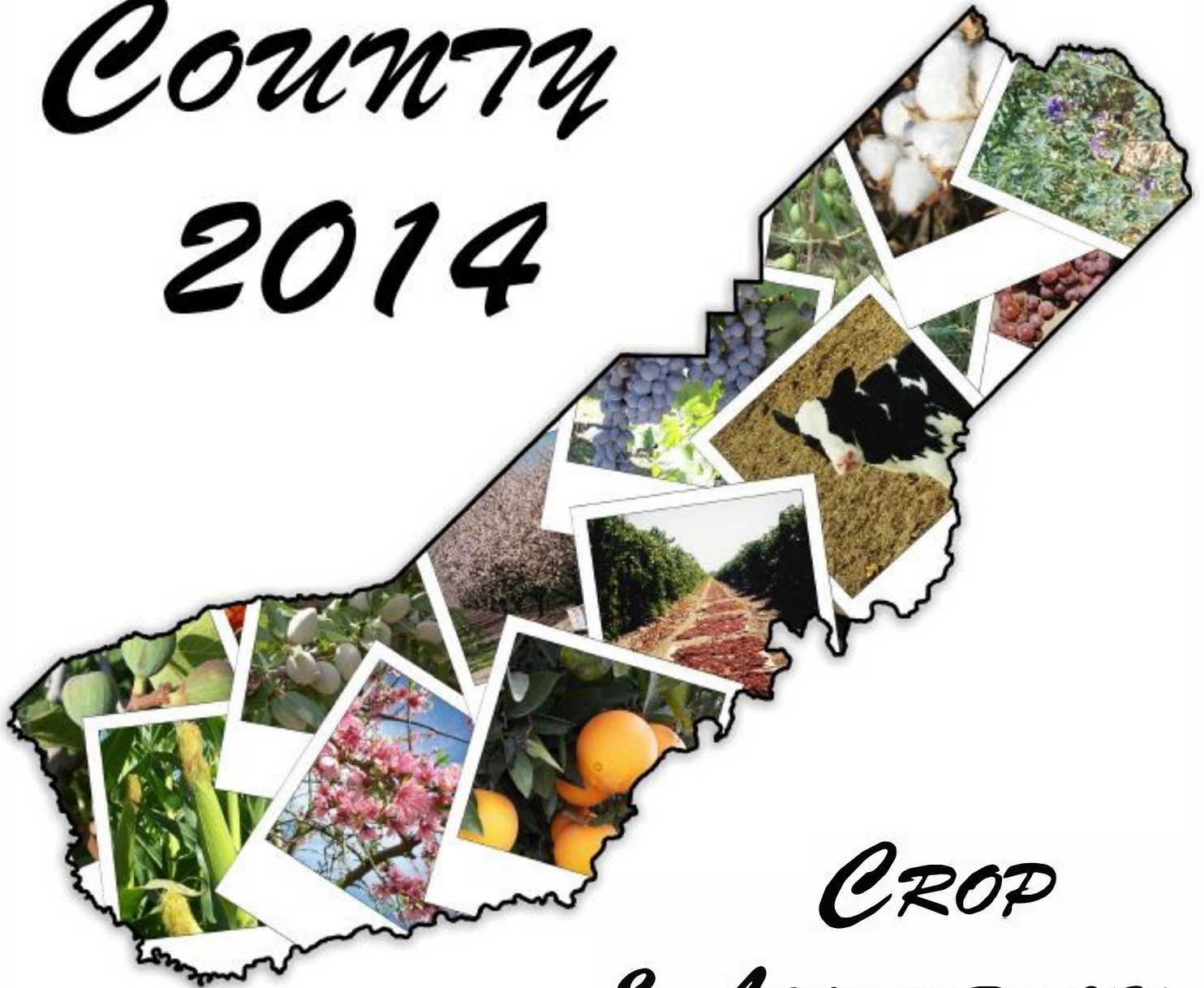


MADERA COUNTY 2014



CROP & LIVESTOCK REPORT

~ MADERA COUNTY STAFF ~

Madera County Board of Supervisors

Brett Frazier
District 1

David Rogers
District 2/Chairman

Rick Farinelli
District 3

Max Rodriguez
District 4

Tom Wheeler
District 5

County Administrative Officer

Eric Fleming

Agricultural Commissioner/ Sealer of Weights & Measures

Stephanie "Stevie" McNeill

Deputy Agricultural Commissioner/Sealer

Heidi Wong

Agricultural & Standards Inspectors

Judy Cumming

Sharon Seslowe

Molly Glover

Alison Steen

Lance B. Hofer

Cha Vang

Agricultural & Standards Technician

Bobby Arias

Gabriel Mejia

Administrative Support Staff

Steven Monk, Administrative Analyst II

Tammy Dodson, Program Assistant II

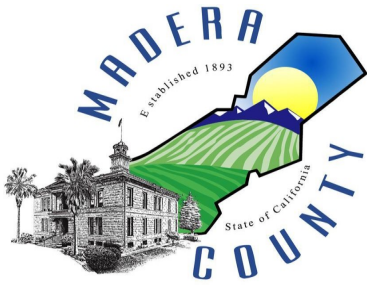
Mary Arias, Program Assistant I

Pest Detection Trappers

Leslie Gobbel

Gloria Johnson

Ron Uyeno



Madera County Department of Agriculture Weights and Measures

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

Karen Ross, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Madera, California

David Rogers	Chairman, District 2
Brett Frazier	District 1
Rick Farinelli	District 3
Max Rodriguez	District 4
Tom Wheeler	District 5

It is my pleasure to present the 2014 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 values of Madera County Agricultural commodities. The values in this report are gross values, and do not represent net income or loss to producers.

For 2014, the gross value of all production is the highest ever recorded at \$2,265,881,000; this is an increase of \$369,318,000 (19.47%) over 2013 production. This is a testament to the ability of Madera County producers to adapt and increase efficiencies while facing the ongoing drought conditions.

Crop values can vary from year to year due to the variables of production, market and weather conditions. Most of the increases over 2013 for 2014 can be attributed to strong market prices and increased production. Almonds (nut meats & hulls) retained the top crop rank for the fifth year in a row, with a value of \$771,134,000, an increase of \$147,651,000 (23.68% increase), mainly due to strong prices and increased bearing acreage. Milk overtook grapes for 2nd place, with a value of \$414,678,000 (28.34% increase), and grapes claimed the third spot with a value of \$317,503,000 (-15.07% decrease).

In overall categories, increases were seen in apiary (22.71%) primarily due to increases in pollination colonies and price; fruit and nut crops (18.78%) due mainly to stronger almond market prices and more bearing acres coming into production; livestock and poultry (24.07%) and livestock and poultry products (27.53%) due to improving prices; nursery products (22.58%) as they continue to recover from the past years' economic fallout; and vegetable crops (21.13%) mainly reflecting increased acreage and prices for processing tomatoes. Decreases were seen in field crops (-8.56%) with decreases in acreages of alfalfa, corn, oats and wheat; and forest products (-60.40%) due to a reduction in timber contracted for harvest.

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 2014 Madera County Agricultural and Livestock Report, and previous reports, please visit our website online at <http://madera-county.com/agcommissioner/cropreports/index.html>.

Respectfully submitted,

Stevie McNeill
Agricultural Commissioner/Sealer

TEN LEADING CROPS MADERA COUNTY 2014

Commodity	2014 Rank	2014 Dollar Value	2013 Rank
Almonds, Nuts & Hulls	1	\$771,134,000	1
Milk	2	\$414,678,000	3
Grapes	3	\$317,503,000	2
Pistachios	4	\$291,725,000	4
Cattle & Calves	5	\$61,203,000	5
Poultry	6	\$44,140,000	10
Pollination	7	\$38,664,000	7
Replacement Heifers	8	\$37,257,000	6
Corn, Grain & Silage	9	\$28,963,000	9
Alfalfa, Hay & Silage	10	\$26,553,000	8

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, field crops, poultry, dairy and beef cattle. 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 cotton, honey, citrus and stone fruits, nursery stock, tomatoes, and wheat.

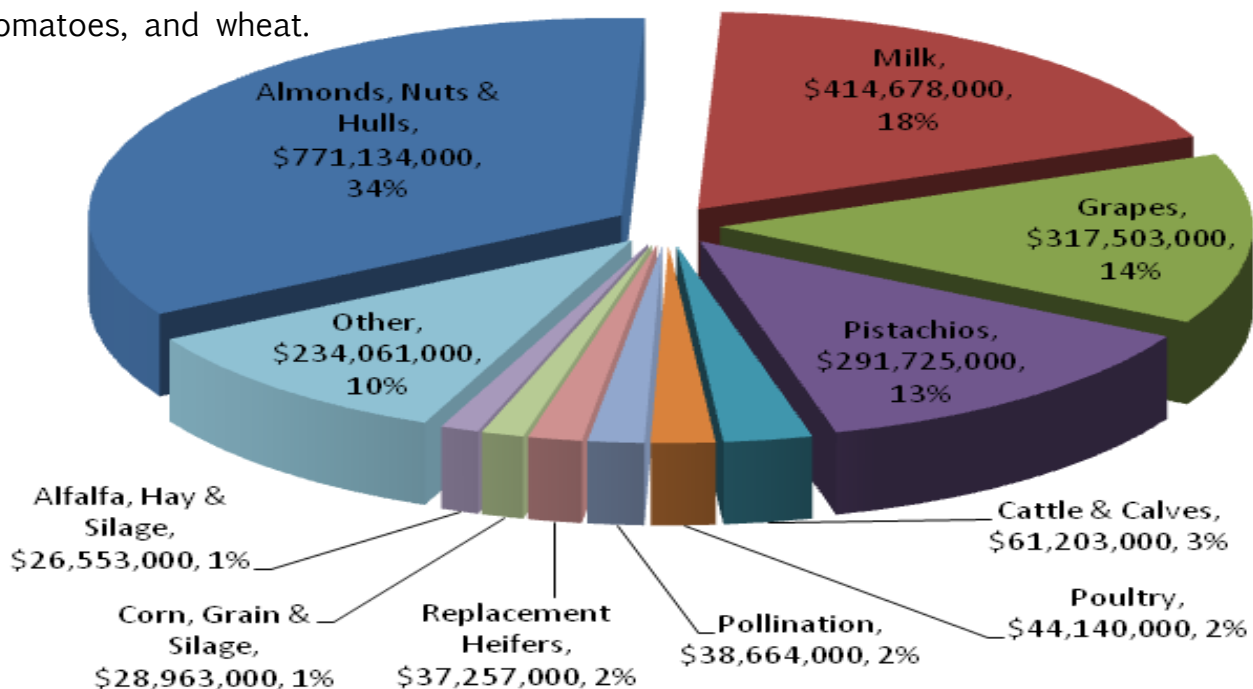


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Field Crops

VALUE

PRODUCTION

Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Alfalfa							
Hay	2014	16,000	6.80	108,800	Ton	\$231.00	\$25,133,000
	2013	17,300	7.63	131,999	Ton	210.00	27,720,000
Silage ^a	2014			20,287	Ton	70.00	1,420,000
	2013			23,684	Ton	66.00	1,563,000
Total	2014	16,000					26,553,000
	2013	17,300					29,283,000
Corn							
Grain	2014	600	7.55	4,530	Ton	230.00	1,042,000
	2013	940	6.19	5,819	Ton	220.00	1,280,000
Silage	2014	18,300	25.86	473,238	Ton	59.00	27,921,000
	2013	22,700	26.58	603,366	Ton	46.00	27,755,000
Total	2014	18,900					28,963,000
	2013	23,640					29,035,000
Cotton							
Lint	2014	740	1,863 ^b	2,872	Bale ^c	0.95 ^d	1,310,000
	2013	1,700	1,646	5,930	Bale	1.08	3,022,000
Seed	2014			1,149	Ton	300.00	345,000
	2013			2,387	Ton	335.00	800,000
Total	2014	740					1,655,000
	2013	1,740					3,822,000*
Oat							
Hay	2014	800	3.53	2,824	Ton	185.00	522,000
	2013	1,700	2.87	4,879	Ton	148.00	722,000
Pasture							
Irrigated	2014	1,500			Acre	150.00	225,000
	2013	1,600			Acre	150.00	240,000
Rangeland ^e	2014	389,900			Acre	8.50	3,314,000
	2013	392,900			Acre	7.50	2,947,000

* Revised

Field Crops

PRODUCTION

VALUE

Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Wheat							
Grain	2014	2,600	3.01	7,826	Ton	\$285.00	\$2,230,000
	2013	4,500	2.93	13,185	Ton	262.00	3,454,000
Silage	2014	18,200	14.86	270,452	Ton	38.00	10,277,000
	2013	24,600	14.79	363,834	Ton	37.00	13,462,000
Total	2014	20,800					12,507,000
	2013	29,100					16,916,000
Winter Forage	2014	3,300	17.46	57,618	Ton	48.00	2,766,000
	2013	1,800	13.98	25,164	Ton	36.00	906,000
Miscellaneous ^f	2014	2,300					3,587,000
	2013	2,300					3,721,000
TOTAL	2014	454,200					\$80,092,000
	2013	472,040					87,592,000

a/ Alfalfa acreage yields both hay and silage

b/ Pounds

c/ Bale: 480 pounds

d/ Price per pound

e/ Biennial survey cycle

f/ Includes: ryegrass hay, seed crops, Sudangrass, wheat hay, field and stubble straw.

Vegetable Crops

PRODUCTION

VALUE

Item	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Tomatoes							
Fresh	2014	600	16.25	9,750	Ton	\$525.00	\$5,119,000
	2013	400	17.33	6,932	Ton	443.00	3,071,000
Processed	2014	5,600	58.65	328,440	Ton	79.00	25,947,000
	2013	4,200	56.49	237,258	Ton	69.00	16,371,000
Total	2014	6,200					31,066,000
	2013	4,600					19,442,000
Miscellaneous ^a	2014	2,000					18,212,000
	2013	1,800					21,239,000
TOTAL	2014	8,200					\$49,278,000
	2013	6,400					40,681,000

a/ Includes: artichokes, carrots, all cabbage, 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 ^a	2014	106,000	0.94	99,640 ^b	Ton	\$7,455.00	\$742,816,000
	2013	99,000	1.07	105,930	Ton	5,631.00	596,492,000
Almond Hulls	2014			195,294	Ton	145.00	28,318,000
	2013			207,623	Ton	130.00	26,991,000
Cherries	2014	480	0.42	202	Ton	6,983.00	1,411,000
	2013	600	2.90	1,740	Ton	4,978.00	8,662,000
Figs, Fresh & Dried	2014	5,600	1.73	9,688	Ton	2,037.00	19,734,000
	2013	4,700	1.84	8,648	Ton	1,867.00	16,146,000
Grapes							
Raisin Varieties							
Crushed	2014	6,200	7.25	44,950	Ton	213.00	9,574,000
	2013	10,300	10.74	110,622	Ton	245.00	27,102,000
Dried	2014	20,700	3.12	64,584	Ton	1,692.00	109,276,000
	2013	21,300	3.14	66,882	Ton	1,654.00	110,623,000
Fresh	2014	920	9.79	9,007	Ton	1,484.00	13,366,000
	2013	1,000	10.07	10,070	Ton	1,583.00	15,941,000
Table Varieties	2014	2,900	9.52	27,608	Ton	1,929.00	53,256,000
	2013	2,600	12.24	31,824	Ton	1,589.00	50,568,000
Wine Varieties^c							
Red Varieties	2014	24,200	9.79	236,918	Ton	347.00	82,211,000
	2013	22,800	10.15	231,420	Ton	419.00	96,965,000
White Varieties	2014	16,100	9.61	154,721	Ton	322.00	49,820,000
	2013	17,400	12.10	210,540	Ton	345.00	72,636,000
Total Grapes	2014	71,020					317,503,000
	2013	75,400					373,835,000
Olives	2014	590	1.54	909	Ton	458.00	416,000
	2013	620	4.63	2,871	Ton	562.00	1,614,000

FRUIT & NUT CROPS

Item	Year	PRODUCTION			VALUE		
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Oranges	2014	2,900	13.08	37,932	Ton	\$456.00	\$17,297,000
	2013	2,800	18.52	51,856	Ton	191.00	9,904,000
Peaches							
Cling	2014	220	14.20	3,124	Ton	388.00	1,212,000
	2013	270	20.58	5,557	Ton	313.00	1,739,000
Freestone	2014	470	17.97	8,446	Ton	514.00	4,341,000
	2013	460	15.96	7,342	Ton	833.00	6,116,000
Total	2014	690					5,553,000
	2013	730					7,855,000
Pistachios	2014	31,000	1.58	48,980 ^b	Ton	5,956.00	291,725,000
	2013	29,200	1.10	32,120	Ton	5,039.00	161,853,000
Plums, Dried	2014	890	1.55	1,380	Ton	2,347.00	3,239,000
	2013	1,040	2.92	3,037	Ton	1,601.00	4,862,000
Walnuts	2014	1,900	1.46	2,778	Ton	3,960.00	11,001,000
	2013	1,700*	1.49*	2,528	Ton	3,709.00	9,376,000
Miscellaneous							
Fruits & Nuts ^d	2014	8,900					66,688,000
	2013	8,900					49,947,000
Orchard	2014			6,000	Cord ^e		930,000
Firewood	2013			5,500	Cord		825,000
TOTAL	2014	229,970					\$1,506,631,000
	2013	224,690*					1,268,362,000

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

* Revised

APIARY PRODUCTS

Item	Year	PRODUCTION		VALUE	
		Total	Unit	Per Unit	Total
Apiary Products					
Beeswax	2014	117,048	Pound	\$3.60	\$421,000
	2013	52,510	Pound	3.25	171,000
Honey	2014	969,545	Pound	2.56	2,482,000
	2013	955,600	Pound	2.08	1,988,000
Pollination	2014	216,000	Colony	179.00	38,664,000
	2013	202,000	Colony	157.00	31,714,000
TOTAL	2014				\$41,567,000
	2013				33,873,000

FOREST PRODUCTS

Item	Year	PRODUCTION		VALUE	
		Production	Unit		Total
Timber	2014	2,348	MBF ^a		\$240,000
	2013	5,769	MBF		459,000
Firewood ^b	2014	5,447	Cord ^c		261,000
	2013	14,656	Cord		806,000
TOTAL	2014				\$501,000
	2013				1,265,000

a/ MBF: Thousand board feet

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

c/ Cord: 128 Cubic feet

NURSERY PRODUCTS

Item	Year	PRODUCTION		VALUE	
		Field Acres	House Sq. Foot		Total
Nursery Stock ^a	2014	320	199,000		\$23,178,000
	2013	330	161,000		18,908,000

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

LIVESTOCK AND POULTRY

PRODUCTION

VALUE

Item	Year	Head	Liveweight	Unit	Per Unit	Total
Cattles and Calves ^a	2014	76,400	532,200	CWT ^b	\$115.00	\$61,203,000
	2013	79,000	557,674	CWT	99.00	55,210,000
Replacement Heifers ^c	2014	27,700			1,345.00	37,257,000
	2013	29,800			1,300.00	38,740,000
Poultry	2014					44,140,000
	2013					20,985,000
TOTAL	2014					\$142,600,000
	2013					114,935,000

a/ Range and dairy cattle sold for beef

b/ Hundredweight: 100 pounds

c/ Milk cows

LIVESTOCK AND POULTRY PRODUCTS

PRODUCTION

VALUE

Item	Year	Production	Unit	Per Unit	Total
Milk Market ^a	2014	18,858,570	CWT	\$21.93	\$413,568,000
	2013	17,691,981	CWT	18.23	322,525,000
Milk Manufacturing ^a	2014	48,333	CWT	22.97	1,110,000
	2013	31,082	CWT	18.89	587,000
Other Products ^b	2014				7,356,000
	2013				7,816,000
TOTAL	2014				\$422,034,000
	2013				330,928,000

a/ Madera County has 43 dairies, with 71,818 lactating cows

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

AGRICULTURAL CROP REPORT SUMMARY

MADERA COUNTY 2014

Item	Year	Harvested Acres	Total Value
Apiary	2014		\$41,567,000
	2013		33,873,000
Field Crops	2014	454,240	80,092,000
	2013	472,040	87,592,000
Fruit and Nut Crops	2014	232,970	1,506,631,000
	2013	<i>224,690*</i>	1,268,381,000
Forest Products	2014		501,000
	2013		1,265,000
Livestock and Poultry	2014		142,600,000
	2013		114,935,000
Livestock and Poultry Products	2014		422,034,000
	2013		330,928,000
Nursery Products	2014	320	23,178,000
	2013	320	18,908,000
Vegetable Crops	2014	8,200	49,278,000
	2013	6,200	40,681,000
TOTAL	2014		\$2,265,881,000
	2013		1,896,563,000

* Revised

MADERA COUNTY HIGHLIGHTS

County Established	March 11, 1893
County Seat	Madera (city)
Population ^a	154,548
Total County Acreage	1,366,925
2014 Harvested Acreage	692,730
Field Crop Acreage	64,340
Fruit and Nut Acreage	229,970
Nursery Acreage	320
Rangeland Acreage	389,900
Vegetable Acreage	8,200
Forest Acreage	414,300
U. S. Parkland Acreage	83,000
Bordering Counties	
Merced County	Northwest
Mariposa County	North
Mono County	East
Fresno County	South and West
Ranking of Madera County Among Counties of California	
Population ^a	33
Total Acreage	24
Total Agricultural Production ^b	11
Commodity, by Value	
Figs	1
Grapes, Raisin Variety	4
Pistachios	4
Almonds	5
Grapes, Table Variety	5
Grapes, Wine Variety	7
Cattles & Calves	7
Corn, Silage	7
Milk, Market	8
Olives	9
Ranking of Madera County Among Counties of the United States	
Total Agricultural Production ^c	21
a/ US Bureau of Census, 2014 Estimate	
b/ County Agricultural Commissioner's Data, 2013	
c/ USDA Ag Census, 2007	

Madera County Crop Reports from 2001 to 2014 are available at:
<http://www.madera-county.com/index.php/publications/crop-reports>

2014 Sustainable Agriculture Report 1

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.

Over 80 beehive shipments received from Red Imported Fire Ants (RIFA) infested states, with over 48,000 beehives were inspected for RIFA.

Countries receiving agricultural commodities require certification that the commodities are free from potentially injurious pests. Over 4,200 phytosanitary inspections were performed on Madera County commodities, which were exported to over 75 countries.

The **Pest Detection Program** utilizes insect traps and surveys for the detection of foreign pests which may have eluded exclusion efforts. Over 1,000 traps were deployed in the county, with over 2,400 trap servicings performed during the 2014 season.

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

Caribbean Fruit Fly (<i>Anastrepha suspensa</i>)	European Corn Borer (<i>Ostrinia nubilalis</i>)
Gypsy Moth (<i>Lymentria dispar</i>)	Japanese Beetle (<i>Popillia japonica</i>)
Light Brown Apple Moth (<i>Epiphyas postvittana</i>)	Mediterranean Fruit Fly (<i>Ceratitis capitata</i>)
Melon Fruit Fly (<i>Dacus cucurbitae</i>)	Mexican Fruit Fly (<i>Anastrepha ludens</i>)
Oriental Fruit Fly (<i>Bactrocera dorsalis</i>)	

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. Pink Bollworm was controlled by post-season plowdown of over 700 acres of cotton plantings.

2014 Sustainable Agriculture Report 2

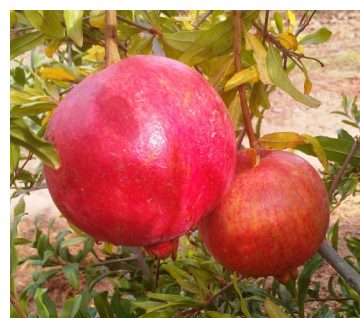
Pest Management

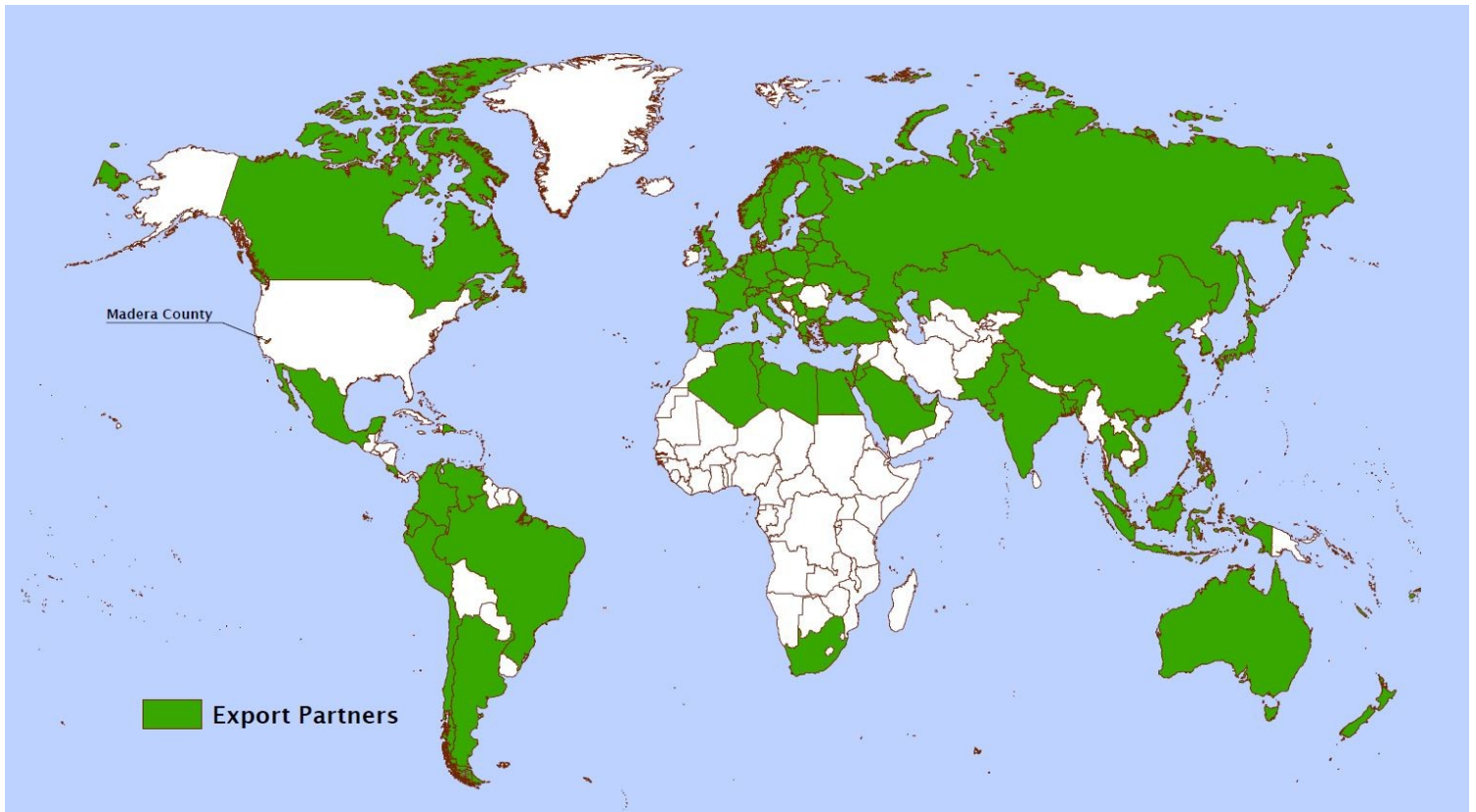
The Glassy-winged Sharpshooter Program serves to detect and control the vector of Pierce's Disease, a potentially catastrophic disease of vineyards. This program involved the placement of 1,000 traps in both urban and agricultural sites, with over 10,700 subsequent trap servicings. In addition, incoming shipments of host material and susceptible county plantings were inspected. Additionally, the California Department of Food and Agriculture (CDFA) released two parasitic wasps (*Gonatocerus morgani* and *G. morrilli*) in 2014 to aid in the control of the Glassy-winged Sharpshooters. Six hundred and eighty (680) parasitoids were released in the Wildwood and Rolling Hills areas.

Forty-six **Organic Farms**, totaling over 5,500 acres, and 6 handlers were registered in Madera County in 2014. 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, basil, dried beans, green beans, beets, berries, broccoli, cabbage, cantaloupe, carrots, cauliflower, chard, cherries, cilantro, collards, sweet corn, cucumbers, fennel, figs, garlic, grapes (table, raisin, wine), grapefruit, hay, herbs, kale, leeks, lemons, lettuce, livestock, mustard greens, oats, okra, olives, onions, oranges, parsley, pasture, pears, peas, peppers, persimmons, pistachios, plums, pomegranates, popcorn, potatoes, poultry, prunes, radish, seed crops, spinach, squash, tomatoes, turnips, watermelons, wheat.

The value of organic production in Madera County in 2014 was **\$45,149,000**.





Countries Receiving Madera County Commodities:

Algeria	Denmark	Korea, Republic of	Qatar
Argentina	Dominican Republic	Kuwait	Russian Federation
Armenia	Ecuador	Latvia	Saudi Arabia
Australia	Egypt	Lebanon	Serbia
Austria	Estonia	Libya	Singapore
Bahrian	Finland	Lithuania	South Africa
Bangladesh	France	Malaysia	Spain
Belarus	Georgia	Mauritius	Sweden
Belgium	Germany	Mexico	Switzerland
Brazil	Greece	Netherlands	Taiwan
Bulgaria	Hong Kong	New Caledonia	Thailand
Canada	Hungary	New Zealand	Tunisia
Chile	India	Norway	Turkey
China	Indonesia	Pakistan	United Arab Emirates
Colombia	Israel	Peru	United Kingdom
Costa Rica	Italy	Philippines	Venezuela, Bolivarian Republic of
Croatia	Japan	Poland	Vietnam
Cyprus	Jordan	Portugal	Virgin Islands, British
Czech Republic	Kazakhstan		

Madera County Commodities Exported:

Almonds	Masa (Corn Flour)	Raisins
Figs	Pistachios	Tillandsia (Plants)
Grapes	Plums	Walnuts
Kiwifruit	Prunes	

RAINFALL - MADERA, CALIFORNIA (1963 - 2014)

YEAR	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1963-64	0.00	0.00	0.23	1.45	2.38	0.24	0.61	0.01	1.50	0.70	0.42	0.27	7.81
1964-65	0.00	0.12	0.00	1.08	1.75	3.23	1.14	0.52	0.64	1.59	0.00	0.00	10.07
1965-66	0.00	0.07	0.00	0.17	4.25	1.83	0.81	0.94	0.06	0.17	0.29	0.01	8.60
1966-67	0.07	0.00	0.09	0.00	1.90	3.29	3.51	0.02	1.72	5.47	0.20	0.45	16.72
1967-68	0.00	0.00	0.10	0.02	1.37	1.45	0.84	1.57	1.58	1.02	0.31	0.00	8.26
1968-69	0.00	0.03	0.00	1.22	2.26	3.24	5.69	4.37	1.60	1.74	0.02	0.00	20.17
1969-70	0.07	0.00	0.13	0.52	1.01	1.45	3.42	0.84	2.09	0.21	0.00	0.19	9.93
1970-71	0.00	0.00	0.00	0.24	1.97	2.85	0.45	0.22	1.01	0.83	1.77	0.00	9.34
1971-72	0.00	0.00	0.02	0.04	0.58	1.72	0.19	0.70	0.00	0.56	0.03	0.05	3.89
1972-73	0.02	0.00	0.14	0.49	4.07	1.40	2.23	3.71	2.98	0.39	0.00	0.02	15.45
1973-74	0.00	0.00	0.00	1.55	1.15	2.36	2.26	0.42	2.32	0.72	0.00	0.00	10.78
1974-75	0.00	0.00	0.00	1.10	0.52	1.54	0.43	1.56	2.17	1.81	0.00	0.00	9.13
1975-76	0.00	0.15	0.19	1.26	0.34	0.10	0.10	3.64	0.64	1.60	0.00	0.00	8.02
1976-77	0.05	0.27	0.94	0.66	0.87	1.18	0.60	0.22	1.05	0.00	0.77	0.00	6.61
1977-78	0.00	0.00	0.00	0.00	0.58	2.36	3.14	4.27	5.04	2.90	0.00	0.00	18.29
1978-79	0.02	0.00	1.61	0.03	3.04	0.54	3.97	3.18	2.14	0.11	0.12	0.00	14.76
1979-80	0.00	0.00	0.00	0.66	1.00	1.50	3.61	3.81	1.50	0.63	0.25	0.00	12.96
1980-81	0.00	0.00	0.00	0.12	0.26	0.58	2.74	0.76	3.42	1.03	0.00	0.00	8.91
1981-82	0.00	0.00	0.00	1.36	1.99	0.81	1.97	1.42	3.44	2.94	0.00	0.20	14.13
1982-83	0.00	0.00	0.84	1.29	3.16	1.78	4.97	3.40	5.12	1.90	0.83	0.00	23.29
1983-84	0.00	0.00	0.22	0.66	2.58	2.45	0.35	1.48	0.59	0.18	0.00	0.00	8.51
1984-85	0.00	0.00	0.00	0.87	2.37	2.12	0.59	0.71	1.65	0.52	0.00	0.34	9.17
1985-86	0.00	0.12	0.11	0.54	2.76	1.03	1.37	5.22	3.16	0.51	0.15	0.00	14.97
1986-87	0.00	0.00	0.43	0.00	0.00	0.97	1.60	2.26	2.91	0.36	0.03	0.02	8.58
1987-88	0.00	0.00	0.00	1.96	0.48	1.52	0.90	0.50	0.59	2.03	0.29	0.03	8.30
1988-89	0.00	0.00	0.00	0.00	1.42	2.04	0.40	1.20	2.13	0.17	0.11	0.00	7.47
1989-90	0.00	0.03	0.94	0.55	0.54	0.00	2.32	1.38	0.71	1.41	2.36	0.00	10.24
1990-91	0.00	0.00	0.04	0.03	0.53	0.64	0.15	1.25	7.11	0.17	0.05	0.01	9.98
1991-92	0.00	0.02	0.00	0.87	0.23	1.08	1.43	2.88	2.13	0.02	0.00	0.00	8.66
1992-93	0.09	0.00	0.00	1.33	0.04	3.08	5.16	2.69	2.92	0.32	0.71	0.43	16.77
1993-94	0.00	0.00	0.00	0.06	0.77	1.39	1.85	1.77	0.43	1.89	2.61	0.00	10.77
1994-95	0.00	0.00	0.13	1.41	1.61	1.36	5.18	0.71	4.82	1.21	0.79	0.48	17.70
1995-96	0.00	0.00	0.00	0.00	0.00	2.42	2.62	3.98	2.34	0.84	0.52	0.32	13.04
1996-97	0.00	0.00	0.00	1.83	2.55	5.02	5.05	0.19	0.00	0.00	0.00	0.00	14.64
1997-98	0.00	0.01	0.13	0.00	2.55	1.65	4.22	5.69	4.26	2.03	1.38	0.74	22.66
1998-99	0.00	0.00	0.88	0.19	0.34	0.95	2.18	1.67	0.63	1.62	0.06	0.05	8.57
1999-00	0.00	0.00	0.00	0.00	0.61	0.08	3.59	6.13	1.35	1.26	0.16	0.46	13.64
2000-01	0.00	0.00	0.27	2.82	0.07	0.13	2.33	1.98	1.71	1.08	0.00	0.00	10.39
2001-02	0.02	0.00	0.02	0.51	1.89	2.42	1.40	0.34	1.14	0.23	0.33	0.22	8.52
2002-03	0.00	0.00	0.00	0.00	2.80	2.85	0.51	1.51	0.64	1.74	0.87	0.00	10.92
2003-04	0.00	0.06	0.00	0.00	0.34	2.88	0.95	2.20	0.56	0.00	0.00	0.00	6.99
2004-05	0.00	0.00	0.00	3.89	1.07	3.67	2.10	3.04	2.59	0.60	3.32	0.00	20.28
2005-06	0.00	0.04	0.01	0.00	0.00	2.49	3.10	0.65	3.80	2.55	0.00	0.00	12.64
2006-07	0.00	0.00	0.00	0.40	0.56	1.40	0.65	1.86	0.57	0.35	0.05	0.00	5.84
2007-08	0.00	0.00	0.15	0.32	0.09	2.13	2.78	2.21	0.00	0.00	0.26	0.00	7.94
2008-09	0.00	0.00	0.00	0.00	1.19	1.27	1.95	3.24	0.83	0.00	0.00	0.00	8.48
2009-10	0.00	0.00	0.06	1.14	0.17	2.69	2.48	2.77	2.04	2.69	0.22	0.00	14.26
2010-11	0.00	0.00	0.00	0.21	2.31	5.40	1.88	1.50	4.17	0.24	0.45	1.41	17.57
2011-12	0.00	0.00	0.00	0.72	0.89	0.08	0.89	0.46	2.92	2.61	0.00	0.12	8.69
2012-13	0.00	0.00	0.00	0.07	1.84	3.42	1.33	0.74	0.12	0.98	0.06	0.00	8.56
2013-14	0.00	0.00	0.02	0.07	0.25	0.23	0.32	2.16	0.48	1.11	0.00	0.00	4.64
Average	0.01	0.02	0.15	0.67	1.35	1.85	2.09	2.00	1.99	1.09	0.40	0.12	11.72

50 YEAR AVERAGE RAINFALL



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