2009 AGRICULTURAL CROP REPORT









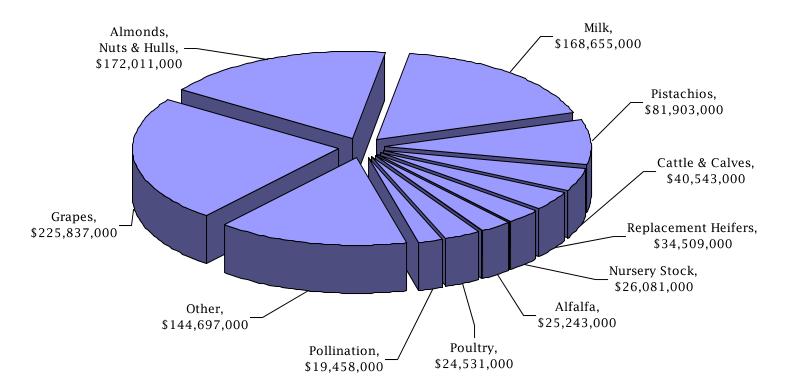
MADERA COUNTY DEPARTMENT OF AGRICULTURE



TEN LEADING CROPS MADERA COUNTY 2009

Commodity	2009 Rank	2009 Dollar Value	2008 Rank
Commounty			
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

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 County Seat Population ^a	March 11, 1893 Madera (city) 148,632
Total County Acreage 2009 Harvested Acreage Field Crop Acreage Fruit and Nut Acreage Nursery Acreage Vegetable Acreage Rangeland Acreage Forest Acreage U. S. Parkland Acreage Bordering Counties Merced County	1,366,951 643,790 96,450 189,460 740 4,140 353,000 414,300 83,000
Mariposa County Mono County Fresno County Ranking of Madera County Among Counties of Cal	North East South and West
Population ^a Total Acreage	33 24 12 1 2 2 2 2 4 5 5 5 6 6 6 7
Ranking of Madera County Among Counties of the Total Agricultural Production ^b	United States
 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

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Vern Moss District 2

Ronn Dominici *District 3*

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District 4

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Field Crops

PRODUCTION

		Harvested	Per			Per	
Item	Year	Acreage	Acre	Total	Unit	Unit	Total
Alfalfa							
Нау	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 ^a	2009			52,710	Ton	30.00	1,581,000
C	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 ^b	2009	620	1.51	936	Ton	742.00	695,000
	2008	-	-	-		<u>-</u>	<u>-</u>
	2007	420	1.66	697	Ton	780.00	544,000
Corn	2000			0.001	_	1=0.00	1 0=0 000
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
Cotton							
Lint	2009	330	1,123°	772	$Bale^d$	0.72°	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
Oat							
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
Pasture							
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
Wheat							
Grain	2009 2008 2007	6,000 5,200 3,700	2.46 2.71 2.42	14,760 14,092 8,954	Ton Ton Ton	\$245.00 251.00 159.00	\$3,616,000 3,537,000 1,424,000
Silage	2009 2008 2007	16,500 19,200 17,000	14.40 15.09 15.29	237,600 289,728 259,930	Ton Ton Ton	18.00 29.00 23.00	4,277,000 8,402,000 5,978,000
Total	2009 2008 2007	22,500 24,400 20,700					7,893,000 11,939,000 7,402,000
Winter Forage	2009 2008 2007	3,400 2,900 4,400	12.17 14.24 10.27	41,378 41,296 45,188	Ton Ton Ton	18.00 27.00 23.00	745,000 1,115,000 1,039,000
Miscellaneous ^f	2009 2008 2007	12,100 9,300 4,600					7,451,000 5,943,000 4,750,000
TOTAL	2009 2008 2007	449,450 463,600 454,420					\$61,154,000 107,968,000 89,390,000

a/ Alfalfa acreage yields both hay and silage



Vegetable Crops

PRODUCTION

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

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

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.



FRUIT & NUT CROPS

PRODUCTION

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



FRUIT & NUT CROPS

PRODUCTION

		Harvested	Per			Per	
Item	Year	Acreage	Acre	Total	Unit	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 ^b	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 ^e	2009	4,190					23,531,000
	2008	2,500					19,950,000
	2007	2,430					11,810,000
Orchard	2009			7,000	Cord		980,000
Firewood	2008			7,800	Cord		1,170,000
	2007			7,500	Cord		1,125,000
TOTAL	2009	189,460					\$552,033,000
	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 a	\$36,000
	2008	620	MBF	86,000
	2007	7,074	MBF	987,000
Firewood	2009	1,380	Cord ^b	287000°
	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

b/ Cord: 128 cubic feet



NURSERY PRODUCTS

PRODUCTION VALUE

Item	Year	Field Acres	House Sq. Foot	Total Value
Nursery Stock ^a	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

~		PRODUCT	TION	VALUE			
Item	Year	Total	Unit	Per Unit	Total		
Apiary Products							
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		

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



LIVESTOCK AND POULTRY

PRODUCTION

VALUE

					Per	
Item	Year	Head	Liveweight	Unit	Unit	Total
Cattle and Calves	2009	81,040	596,220	CWT ^b	\$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 ^c	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

c/ Milk cows



LIVESTOCK AND POULTRY PRODUCTS

PRODUCTION

				Per	
Item	Year	Production	Unit	Unit	Total
Milk Market ^a	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 ^a	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 ^b	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/ Hundredweight: 100 pounds

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 <u>Pest Exclusion Program</u> 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 <u>Pest Detection Program</u> 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



(Photo courtesy of SARDI, Greg Baker)



Japanese Beetle Photo/David Cappaert/bugwood.org

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. 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 <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 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 <u>Vertebrate Pest Management Program</u> provides expertise and materials, to growers and homeowners, for the control of certain depredating vertebrate pests.

Forty-six <u>Organic Farms</u>, 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











Countries Receiving Madera County Commodities

Algeria Guatemala Armenia Hong Kong Australia Hungary Austria India Bahrain Indonesia Belgium Ireland Bangladesh Israel Bermuda Italy Brazil Japan Canada Jordan

China Korea, Republic of
Croatia Kuwait
Cyprus Latvia
Czech Republic Lebanon
Denmark Lithuania

Dominican Republic Egypt Estonia

Finland Morocco
France Nepal
Germany Netherlands
Greece New Zealand

Norway
Pakistan
Philippines
Poland
Portugal
Romania

Russian Federation

Saudi Arabia Serbia Singapore Spain Sweden Switzerland Thailand Taiwan Tunisia Turkey

United Arab Emirates United Kingdom

Venezuela

Madera County Commodities Exported

Malaysia

Montenegro

Mexico

Fruits: Nuts: Nursery Stock: Field Crops:
Figs Almonds Ornamentals Corn (Flour)
Grapes Pistachios
Prunes Walnuts

Raisins



AGRICULTURAL CROP REPORT SUMMARY MADERA COUNTY 2009

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



Madera County Department of Agriculture 332 S. Madera Avenue Madera, CA 93637