



**2021 CROP & LIVESTOCK REPORT**  
**MADERA COUNTY DEPARTMENT OF AGRICULTURE**





**AGRICULTURAL COMMISSIONER  
SEALER OF WEIGHTS AND MEASURES**

RUSTY LANTSBERGER

Karen Ross, Secretary  
California Department of Food and Agriculture

and

The Honorable Board of Supervisors  
County of Madera, California

Tom Wheeler	Chairman, District 5
Brett Frazier	District 1
David Rogers	District 2
Robert L. Poythress	District 3
Leticia Gonzalez	District 4

It is my pleasure to present the 2021 Madera County Agricultural Crop and Livestock Report. This annual statistical report is compiled in accordance with Sections 2272 and 2279 of the California Food and Agriculture 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 2021, the gross value of all production was \$2,045,495,000; this is an increase of \$95,963,000 or 4.92% as compared to 2020 production. The increase is due to stronger commodity prices, increases in harvested acres in fruit and nut crops, and vegetable crops. Madera County is ranked 11<sup>th</sup> among the fifty-eight California counties in total agricultural production in 2020.

Crop values can vary from year to year due to the variables of production, market, and weather conditions. Almonds (nut meats & hulls) retained the number 1 rank of the ten leading crops. Milk retained the number 2 rank, while grapes moved up to the number 3 rank, dropping pistachios to the number 4 rank. Mandarin and tangerines moved into the number 7 rank and was not in the top ten in 2020.

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. I would like to express my thanks to my staff that contributed to compiling and preparing this report, especially to Senior Agricultural and Standards Inspector Cha Vang and his dedication to producing the annual report.

To view the 2021 Madera County Agricultural and Livestock Report, and previous reports going back to the 1920's please visit our website online at: <https://www.maderacounty.com/government/agricultural-commissioner-weights-and-measures/annual-crop-reports>

Respectfully submitted,

Rusty Lantsberger

Agriculture Commissioner/Sealer of Weights and Measures



**Madera County Department of Agriculture • Weights and Measures**

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## **MADERA COUNTY STAFF**

- Madera County Board of Supervisors -

**Brett Frazier**  
District #1

**David Rogers**  
District #2

**Robert L. Poythress**  
District #3

**Leticia Gonzalez**  
District #4

**Tom Wheeler**  
Chairman / District #5

- County Administrative Officer -

**Jay Varney**

- Agricultural Commissioner/Sealer of Weights & Measures -

**Rusty Lantsberger**

- Deputy Agricultural Commissioner/Sealer -

**Heidi Wong      William Griffin**

- Supervising Agricultural & Standards Inspector -

**Alison Steen**

- Agricultural & Standards Inspectors -

**Molly Glover      Jessica Graves**  
**Tania Herrera      Kris Kachadoorian**  
**Jorge L. Mendoza      Cha Vang**  
**Rachel Zumkeller**

- Agricultural & Standards Technician -

**Bobby Arias**

- Administrative Support Staff -

**Steve Monk, Administrative Analyst II**  
**Tammy Dodson, Program Assistant II**  
**Kristina Klemash, Program Assistant I**

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# TEN LEADING CROPS MADERA COUNTY 2021

Commodity	2021 Rank	2021 Dollar Value	2020 Rank
<b>Almonds, Nuts &amp; Hulls</b>	<b>1</b>	<b>\$760,205,000</b>	<b>1</b>
<b>Milk</b>	<b>2</b>	<b>\$330,812,000</b>	<b>2</b>
<b>Grapes</b>	<b>3</b>	<b>\$252,743,000</b>	<b>4</b>
<b>Pistachios</b>	<b>4</b>	<b>\$252,312,000</b>	<b>3</b>
<b>Pollination</b>	<b>5</b>	<b>\$66,744,000</b>	<b>5</b>
<b>Cattle &amp; Calves</b>	<b>6</b>	<b>\$51,758,000</b>	<b>6</b>
<b>Mandarins &amp; Tangerines*</b>	<b>7</b>	<b>\$32,132,000</b>	<b>**</b>
<b>Replacement Heifers</b>	<b>8</b>	<b>\$31,008,000</b>	<b>8</b>
<b>Corn Silage</b>	<b>9</b>	<b>\$28,090,000</b>	<b>10</b>
<b>Figs, All</b>	<b>10</b>	<b>\$28,041,000</b>	<b>7</b>

\* Not in 2020 Top Ten

\*\* 9. Nursery Stock

<b>Year: 2021; Total Ag Value: \$2,045,495,000</b>	
Almonds, Nuts & Hulls	\$760,205,000
Milk	330,812,000
Grapes	252,743,000
Pistachios	252,312,000
Pollination	66,744,000
Cattle & Calves	51,758,000
Mandarin/Tangerine	32,132,000
Replacement Heifers	31,008,000
Corn Silage	28,090,000
Figs, All	28,041,000
Poultry	24,285,000
Tomatoes, Fresh & Processed	23,947,000
Nursery Stock	23,310,000
Alfalfa	18,666,000
Wheat, Silage & Grain	16,011,000
Oranges	15,239,000
Cherries	11,647,000
Walnuts	10,999,000
Rangeland	9,120,000
Plums, Dried	7,313,000
Honey	1,758,000
Olives, Fresh & Oil	1,350,000
Oat Hay	1,061,000

## Madera County's Million Dollar Crops: 1971 and 2021

<b>Year: 1971; Total Ag Value: \$105,190,000</b>	
Grapes	\$25,699,000
Cattle & Calves	20,280,000
Cotton	9,203,000
Alfalfa	8,773,000
Milk	8,700,000
Turkeys	5,945,000
Nursery Stock	2,968,000
Almonds	2,895,000
Corn	2,268,000
Peaches	2,085,000
Pasture	2,047,000
Barley	1,727,000

# FIELD CROPS

## PRODUCTION

## VALUE

Item	Year	Harvested Acres	Per Acre	Total	Unit	Per Unit	Total
<b>Alfalfa</b>							
Hay	2021	8,500	8.60	73,100	Ton	\$239.00	\$17,471,000
	2020	8,800	7.27	63,976	Ton	222.00	14,203,000
Silage <sup>a</sup>	2021			20,959	Ton	57.00	1,195,000
	2020			25,309	Ton	65.00	1,645,000
Total	2021	8,500					18,666,000
	2020	8,800					15,848,000
<b>Corn</b>							
Silage	2021	16,700	27.13	453,071	Ton	62.00	28,090,000
	2020	18,000	27.91	502,380	Ton	53.00	26,626,000
<b>Cotton</b>							
Lint	2021	In Miscellaneous					
	2020	440	1,288 <sup>b</sup>	1,133	Bale <sup>c</sup>	1.18 <sup>d</sup>	669,000
Seed	2021	In Miscellaneous					
	2020			472	Ton	325.00	153,000
Total	2020	In Miscellaneous					
	2020	440					822,000
<b>Oat</b>							
Hay	2021	2,000	3.12	6,240	Ton	170.00	1,061,000
	2020	3,500	2.45	8,575	Ton	129.00	1,106,000
<b>Pasture</b>							
Irrigated	2021	440			Acre	125.00	55,000
	2020	510			Acre	100.00	51,000
Rangeland	2021	380,000			Acre	24.00	9,120,000
	2020	387,000			Acre	25.00	9,675,000

a/ Alfalfa acreage yields both hay and silage

b/ Pounds

c/ Bale: 500 pounds

d/ Price per pound

## FIELD CROPS

Item	Year	PRODUCTION				VALUE	
		Harvested Acres	Per Acre	Total	Unit	Per Unit	Total
<b>Wheat</b>							
Grain	2021	1,900	3.09	5,871	Ton	\$220.00	\$1,292,000
	2020	1,900	3.06	5,814	Ton	206.00	1,198,000
Silage	2021	19,000	15.81	300,390	Ton	49.00	14,719,000
	2020	20,300	16.15	327,845	Ton	44.00	14,425,000
Total	2021	20,900					16,011,000
	2020	22,200					15,623,000
Winter Forage	2021	1,600	8.68	13,888	Ton	57.00	792,000
	2020	1,800	13.91	25,038	Ton	32.00	801,000
Miscellaneous	2021 <sup>e</sup>	6,000					5,441,000
	2020 <sup>f</sup>	5,600					3,720,000
<b>TOTAL</b>	2021	436,140					\$79,236,000
	2020	446,950					70,304,000

e/ Includes barley hay, corn nuts, cotton lint and seed, industrial hemp, ryegrass silage, sorghum/milo silage, seed crops, sudangrass hay & silage, wheat hay, field and stubble straw.

f/ Includes grain corn, dried beans, industrial hemp, oats, ryegrass hay & silage, sorghum/milo silage, seed crops, sudangrass hay & silage, wheat hay, field and stubble straw.

## VEGETABLE CROPS

Item	Year	PRODUCTION				VALUE	
		Harvested Acres	Per Acre	Total	Unit	Per Unit	Total
<b>Tomatoes</b>							
Fresh	2021	600	30.00	18,000	Ton	\$496.00	\$8,928,000
	2020	500	21.00	10,500	Ton	463.00	4,862,000
Processed	2021	3,700	47.20	174,640	Ton	86.00	15,019,000
	2020	3,400	52.37	178,058	Ton	76.00	13,532,000
Total	2021	4,300					23,947,000
	2020	3,900					18,394,000
Miscellaneous <sup>a</sup>	2021	880					5,198,000
	2020	800					4,655,000
<b>TOTAL</b>	2020	5,180					\$29,145,000
	2020	4,700					23,049,000

a/ Includes all cabbage, garlic, herbs, melons, onions, all peppers, potatoes, all squash and miscellaneous truck crops.

# FRUIT & NUT CROPS

Item	Year	PRODUCTION			VALUE		
		Harvested Acres	Per Acre	Total	Unit	Per Unit	Total
<b>Almonds<sup>ab</sup></b>	<b>2021</b>	<b>160,000</b>	<b>1.20</b>	<b>192,000</b>	<b>Ton</b>	<b>\$3,685.00</b>	<b>\$707,520,000</b>
	2020	157,000	1.21	189,970	Ton	3,482.00	661,476,000
<b>Almond Hulls</b>	<b>2021</b>			<b>376,320</b>	<b>Ton</b>	<b>140.00</b>	<b>52,685,000</b>
	2020			372,341	Ton	75.00	27,926,000
<b>Cherries</b>	<b>2021</b>	<b>590</b>	<b>4.20</b>	<b>2,478</b>	<b>Ton</b>	<b>4,700.00</b>	<b>11,647,000</b>
	2020	430	2.39	1,028	Ton	4,858.00	4,994,000
<b>Figs, Fresh &amp; Dried</b>	<b>2021</b>	<b>4,700</b>	<b>2.13</b>	<b>10,011</b>	<b>Ton</b>	<b>2,801.00</b>	<b>28,041,000</b>
	2020	5,000	2.16	10,800	Ton	2,881.00	31,115,000
<b>Grapes</b>							
<b>Raisin Varieties</b>							
<b>Crushed</b>	<b>2021</b>	<b>2,500</b>	<b>8.80</b>	<b>22,000</b>	<b>Ton</b>	<b>259.00</b>	<b>5,698,000</b>
	2020	2,200	7.22	15,884	Ton	266.00	4,225,000
<b>Dried</b>	<b>2021</b>	<b>18,000</b>	<b>2.51</b>	<b>45,180</b>	<b>Ton</b>	<b>1,325.00</b>	<b>59,864,000</b>
	2020	18,200	2.11	38,402	Ton	1,162.00	44,623,000
<b>Fresh</b>	<b>2021</b>	<b>350</b>	<b>9.35</b>	<b>3,273</b>	<b>Ton</b>	<b>2,032.00</b>	<b>6,651,000</b>
	2020	400	6.96	2,784	Ton	1,292.00	3,597,000
<b>Table Varieties</b>	<b>2021</b>	<b>1,500</b>	<b>14.31</b>	<b>21,465</b>	<b>Ton</b>	<b>1,954.00</b>	<b>41,943,000</b>
	2020	1,800	9.26	16,668	Ton	1,949.00	32,486,000
<b>Wine Varieties<sup>c</sup></b>							
<b>Red</b>	<b>2021</b>	<b>21,600</b>	<b>10.43</b>	<b>225,288</b>	<b>Ton</b>	<b>342.00</b>	<b>77,048,000</b>
	2020	20,600	10.61	218,566	Ton	364.00	79,558,000
<b>White</b>	<b>2021</b>	<b>12,700</b>	<b>15.19</b>	<b>192,913</b>	<b>Ton</b>	<b>319.00</b>	<b>61,539,000</b>
	2020	12,400	13.86	171,864	Ton	329.00	56,543,000
<b>Total Grapes</b>	<b>2021</b>	<b>56,650</b>					<b>252,743,000</b>
	2020	55,600					221,032,000
<b>Mandarins/Tangerines</b>	<b>2021</b>	<b>3,900</b>	<b>11.77</b>	<b>45,903</b>	<b>Ton</b>	<b>700.00</b>	<b>32,132,000</b>
	2020	In Miscellaneous Fruit & Nuts					

a/ Meat basis

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

c/ Includes table grape crushed



## FRUIT & NUT CROPS

Item	Year	PRODUCTION			VALUE		
		Harvested Acres	Per Acre	Total	Unit	Per Unit	Total
Olives, Fresh & Oil	2021	510	2.61	1,331	Ton	\$1,014.00	\$1,350,000
	2020	540	2.86	1,544	Ton	914.00	1,411,000
Oranges	2021	2,100	15.44	32,424	Ton	470.00	15,239,000
	2020	2,400	13.46	32,304	Ton	515.00	16,637,000
<b>Peaches</b>							
Clingstone	2021	In Miscellaneous Fruit & Nuts					
	2020	450	18.13	8,159	Ton	488.00	3,982,000
Freestone	2021	In Miscellaneous Fruit & Nuts					
	2020	240	17.13	4,111	Ton	496.00	2,039,000
Total	2021	In Miscellaneous Fruit & Nuts					
	2020	690					6,021,000
Pistachios <sup>b</sup>	2021	52,400	1.14	59,736	Ton	4,274.00	252,312,000
	2020	47,600	1.43	68,068	Ton	4,193.00	285,409,000
Plums, Dried	2021	940	3.57	3,356	Ton	2,179.00	7,313,000
	2020	900	3.38	3,042	Ton	1,922.00	5,847,000
Walnuts	2021	3,200	1.81	5,792	Ton	1,899.00	10,999,000
	2020	2,800	1.65	4,620	Ton	1,686.00	7,789,000
<b>Miscellaneous</b>							
Fruits & Nuts	2021 <sup>d</sup>	5,000					25,465,000
	2020 <sup>e</sup>	8,200					71,445,000
Orchard	2021			4,400	Cord		924,000
Firewood <sup>f</sup>	2020			4,500	Cord		923,000
<b>TOTAL</b>	2021	<b>289,990</b>					<b>\$1,398,370,000</b>
	2020	281,160					1,342,025,000

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

d/ 2021 includes berries, chestnuts, canning grapes, grapefruit, kiwifruit, pears, pecans, peaches (clingstone & freestone), persimmons, plums, pomegranates, tangelos, almond and walnut shells

e/ 2020 includes berries, canning grapes, grapefruit, kiwifruit, pears, pecans, persimmons, plums, pomegranates, tangelos, tangerines, almond and walnut shells

f/ Cord: 128 Cubic feet

## APIARY PRODUCTS

Item	Year	PRODUCTION		VALUE	
		Total	Unit	Per Unit	Total
<b>Apiary Products</b>					
Beeswax	2021	35,000	Pound	\$3.25	\$114,000
	2020	29,000	Pound	3.22	93,000
Honey	2021	748,000	Pound	2.35	1,758,000
	2020	808,000	Pound	2.17	1,753,000
Pollination	2021	324,000	Colony	206.00	66,744,000
	2020	318,000	Colony	205.00	65,190,000
<b>TOTAL</b>	2021				<b>\$68,616,000</b>
	2020				67,036,000

## FOREST PRODUCTS

Item	Year	PRODUCTION		VALUE	
		Production	Unit		Total
Timber <sup>a</sup>	2021	2,782	MBF		\$112,000
	2020	6,838	MBF		416,000
Firewood <sup>bc</sup>	2021	5,027	Cord		827,000
	2020	24,700	Cord		993,000
<b>TOTAL</b>	2021				<b>\$939,000</b>
	2020				1,409,000

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 <sup>a</sup>	2021	270	294,000		\$23,310,000
	2020	260	290,000		27,874,000

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

## LIVESTOCK AND POULTRY

### PRODUCTION

### VALUE

Item	Year	Head	Liveweight	Unit	Per Unit	Total
<b>Cattle and Calves<sup>a</sup></b>	<b>2021</b>	<b>64,600</b>	<b>512,455</b>	<b>CWT<sup>b</sup></b>	<b>\$101.00</b>	<b>\$51,758,000</b>
	2020	64,500	511,645	CWT <sup>b</sup>	81.00	41,443,000
<b>Replacement Heifers<sup>c</sup></b>	<b>2021</b>	<b>22,800</b>			<b>1,360.00</b>	<b>31,008,000</b>
	2020	22,800			1,320.00	30,096,000
<b>Poultry</b>	<b>2021</b>	<b>6,283,000</b>				<b>24,285,000</b>
	2020	6,280,000				21,373,000
<b>TOTAL</b>	<b>2021</b>					<b>\$107,051,000</b>
	2020					92,912,000

a/ Range and dairy cattle sold for beef

b/ Hundredweight (CWT): 100 pounds

c/ Milk cows, price per head

## LIVESTOCK AND POULTRY PRODUCTS

### PRODUCTION

### VALUE

Item	Year	Production	Unit	Per Unit	Total
<b>Milk<sup>a</sup></b>	<b>2021</b>	<b>17,320,000</b>	<b>CWT<sup>b</sup></b>	<b>\$19.10</b>	<b>\$330,812,000</b>
	2020	17,090,000	CWT <sup>b</sup>	18.60	317,874,000
<b>Other<sup>c</sup></b>	<b>2021</b>				<b>8,016,000</b>
	2020				7,049,000
<b>TOTAL</b>	<b>2021</b>				<b>\$338,828,000</b>
	2020				324,923,000

a/ Includes both market and manufacturing milk; Madera County has 32 dairies, with 59,000 lactating cows

b/ Hundredweight (CWT): 100 pounds

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

# AGRICULTURAL CROP REPORT SUMMARY 2021

<b>Item</b>	<b>Year</b>	<b>Harvested Acres</b>	<b>Total Value</b>
<b>Apiary</b>	<b>2021</b>		<b>\$68,616,000</b>
	2020		67,036,000
<b>Field Crops</b>	<b>2021</b>	<b>436,140</b>	<b>79,236,000</b>
	2020	446,950	70,304,000
<b>Fruit and Nut Crops</b>	<b>2021</b>	<b>289,990</b>	<b>1,398,370,000</b>
	2020	281,160	1,342,025,000
<b>Forest Products</b>	<b>2021</b>		<b>939,000</b>
	2020		1,409,000
<b>Livestock and Poultry</b>	<b>2021</b>		<b>107,051,000</b>
	2020		92,912,000
<b>Livestock and Poultry Products</b>	<b>2021</b>		<b>338,828,000</b>
	2020		324,923,000
<b>Nursery Products</b>	<b>2021</b>	<b>270</b>	<b>23,310,000</b>
	2020	260	27,874,000
<b>Vegetable Crops</b>	<b>2021</b>	<b>5,180</b>	<b>29,145,000</b>
	2020	4,700	23,049,000
<hr/>			
<b>TOTAL</b>	<b>2021</b>		<b>\$2,045,495,000</b>
	2020		1,949,532,000



## MADERA COUNTY HIGHLIGHTS

County Established	March 11, 1893
County Seat	Madera (city)
Population <sup>a</sup>	159,410
<b>Total County Acreage</b>	<b>1,366,925</b>
2021 Harvested Acreage	731,680
Field Crop Acreage	56,240
Fruit and Nut Acreage	289,990
Nursery Acreage	270
Rangeland Acreage	380,000
Vegetable Acreage	5,180
Forest Acreage	414,300
U. S. Parkland Acreage	83,000
<b>Bordering Counties</b>	
Merced County	Northwest
Mariposa County	North
Mono County	East
Fresno County	South and West
<b>Ranking of Madera County Among Counties of California</b>	
Population <sup>a</sup>	32
Total Acreage	24
Total Agricultural Production <sup>b</sup>	11
Commodity, by Value	
Figs	1
Grapes, Raisin Variety	4
Pistachios	4
Almonds	5
Grapes, Table Variety	5
Cattles & Calves	7
Corn, Silage	7
Grapes, Wine Variety	7
Milk, Market & Manufacturing	8
Plums, Dried	8
<b>Ranking of Madera County Among Counties of the United States</b>	
Total Agricultural Production <sup>c</sup>	18
a/	US Bureau of Census, 2021 Estimate
b/	County Agricultural Commissioner's Data, 2020
c/	USDA Ag Census, 2017

Madera County Crop Reports from 1921 and 1929 to 2021 are available at:  
<https://www.maderacounty.com/government/agricultural-commissioner-weights-and-measures>

# 2021 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 90 beehive shipments received from Red Imported Fire Ants (RIFA) infested states, with over 36,700 beehives, were inspected for RIFA.

Countries receiving our agricultural commodities require certification that the commodities are free from potentially injurious pests. Over 5,400 phytosanitary inspections were performed on Madera County commodities, which were exported to 76 countries.

The State of California's **Pest Detection Program** utilizes insect traps and surveys for the detection of foreign pests which may have eluded exclusion efforts. The trapping program targeted multiple pests, including the following:

Asian Citrus Psyllid ( <i>Diaphorina citri</i> Kuwayama)	Caribbean Fruit Fly ( <i>Anastrepha suspens</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 250 acres of cotton plantings in 2021.

# 2021 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 more than 740 traps in both urban and agricultural sites followed by over 8,200 subsequent trap servicings. In addition, incoming shipments of host materials and susceptible county plantings were inspected.

Multiple Glassy-winged Sharpshooters were found in Madera County in 2021, which led to additional placement of delimitation traps followed by subsequent trap servicings and treatments.

Additionally, the California Department of Food and Agriculture (CDFA) released three kinds of parasitic wasps (*Cosmocomoidea morgani*, *C. morrilli*, and *C. Ashmeadi*) in 2021 to aid in the control of the Glassy-winged Sharpshooters. Over one-hundred and ten (110) parasitoids were released in the Wildwood and Rolling Hills areas.

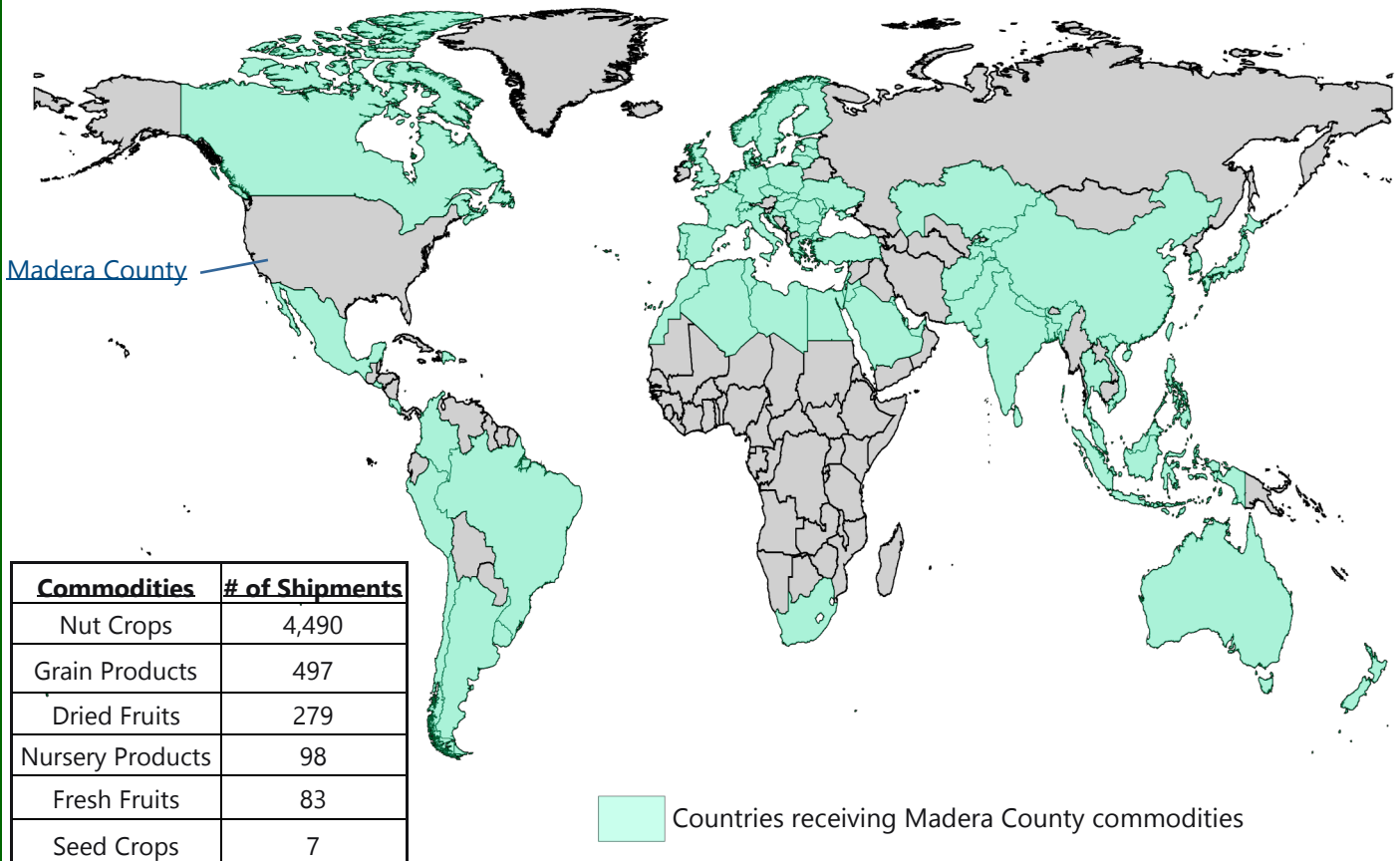
## Organic Farming

Sixty-nine (69) organic producers and 10 handlers/processors were registered in Madera County in 2021. Utilizing organic principles defined in the California Organic Products Act of 2003, these farms produce a wide array of fruits, nuts, vegetables, livestock, and livestock products from over 28,000 acres. The value of organic production in Madera County in 2021 was **\$104,986,000**.



## **76 countries received Madera County export commodities in 2021**

Afghanistan	Egypt	Latvia	Saudi Arabia
Algeria	El Salvador	Lebanon	Serbia
Argentina	Estonia	Libya	Singapore
Australia	Finland	Lithuania	Slovakia
Bahrain	France	Malaysia	South Africa
Bangladesh	Germany	Mexico	Spain
Belgium	Greece	Moldova, Republic of	Sri Lanka
Brazil	Hong Kong	Morocco	Sweden
Bulgaria	Hungary	Nepal	Switzerland
Canada	India	Netherlands	Taiwan
Chile	Indonesia	New Zealand	Tajikistan
China	Israel	Norway	Thailand
Colombia	Italy	Pakistan	Tunisia
Costa Rica	Japan	Peru	Turkey
Croatia	Jordan	Philippines	Ukraine
Cyprus	Kazakhstan	Poland	United Arab Emirates
Czech Republic	Korea, Republic of	Portugal	United Kingdom
Denmark	Kuwait	Qatar	Uruguay
Dominican Republic	Kyrgyzstan	Romania	Viet Nam





# DEPARTMENT OF WEIGHTS & MEASURES

The **Madera County Department of Weights and Measures** is committed to protecting the economic health of the community by preserving and maintaining confidence in the accuracy of weighing and measuring instruments, product standards, and business practices used in commerce. Through this balanced commitment and timely response to citizen requests, consumers and businesses are assured the means of accurate value comparison and fair competition.

## The Petroleum Products Program

The petroleum products program involves the inspection of service station advertising and labeling of gasoline, diesel fuel and alternative engine fuel products sold in Madera County. From time-to-time, random samples are taken to ensure product compliance with national standards. Undercover purchases are made to investigate consumer complaints and to inspect the accuracy of the transactions. Undercover purchases also serve as a method for gathering samples of products used for determining compliance with standards.



## The Device Enforcement Program

Madera County weights and measures inspectors inspect and test various types of commercial weighing and measuring devices throughout the county. They are tested for accuracy and inspected to determine if they are appropriate for their intended use. Once that is determined, the inspector certifies the device by affixing a sticker seal to it. The program provides training, support, and coordination with local officials and businesses to properly apply the specifications, tolerances and use requirements for the various commercial devices used in the marketplace.



In 2021, the Madera County Department of Weights and Measures:

- Inspected more than 1,900 commercial devices including:
  - ◆ 250 Computing Scales
  - ◆ 25 Livestock and Animal Scales
  - ◆ 1,215 Retail Motor Fuel Meters (gas pumps)
  - ◆ 75 Vehicle Scales



Picture: Livestock scale inspection by weights & measures inspectors



## Madera County Land Use Summary

LAND USE CATEGORY	ACREAGE 2018	ACREAGE 2016	2016-18 ACREAGE CHANGED
<b>Prime Farmland</b>	98,792	98,500	292
<b>Farmland of Statewide Importance</b>	85,262	85,207	55
<b>Unique Farmland</b>	183,691	180,294	3,397
<b>Farmland of Local Importance</b>	7,164	8,749	-1,585
<b>Grazing Land</b>	380,326	386,729	-6,403
<b>AGRICULTURAL LAND SUBTOTAL</b>	<b>755,235</b>	<b>759,479</b>	<b>-4,244</b>
<b>Urban and Built-up Land</b>	29,515	29,174	341
<b>Other Land</b>	70,894	66,370	4,460
<b>Water Area</b>	5,494	6,051	-557
<b>TOTAL ACRES</b>	<b>861,138</b>	<b>861,074</b>	

Data provided by California Department of Conservation



**RAINFALL - MADERA, CALIFORNIA (1971 - 2021)**

<b>YEAR</b>	<b>JUL</b>	<b>AUG</b>	<b>SEPT</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUNE</b>	<b>TOTAL</b>
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
2014-15	0.00	0.00	0.04	0.00	1.06	2.41	0.00	0.66	0.01	0.94	0.5	0.00	5.57
2015-16	0.02	0.00	0.14	0.29	1.81	2.24	4.14	0.46	3.84	3.14	0.01	0.02	16.11
2016-17	0.00	0.00	0.00	0.77	1.42	2.22	4.98	3.88	0.60	0.45	0.12	0.00	14.44
2017-18	0.00	0.00	0.10	0.07	0.10	0.09	1.14	0.21	4.75	0.71	0.00	0.00	7.17
2018-19	0.00	0.00	0.00	0.01	2.12	0.87	1.77	2.81	2.08	0.19	1.58	0.00	11.43
2019-20	0.00	0.00	0.00	0.00	0.55	1.71	0.64	0.00	1.53	1.38	0.21	0.00	6.02
2020-21	0.00	0.00	0.00	0.00	0.28	0.87	2.62	0.58	0.36	0.13	0.03	0.00	4.87
<b>Average</b>	<b>0.00</b>	<b>0.01</b>	<b>0.15</b>	<b>0.61</b>	<b>1.19</b>	<b>1.76</b>	<b>2.07</b>	<b>2.01</b>	<b>2.07</b>	<b>1.02</b>	<b>0.42</b>	<b>0.10</b>	<b>11.41</b>

**50 YEAR AVERAGE RAINFALL**





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