



**2012
Crop
Report**

**SONOMA
COUNTY**

OFFICE OF THE AGRICULTURAL COMMISSIONER

Agricultural Commissioner
Sealer of Weights and Measures
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June 2013

Karen Ross, Secretary
California Department of Food and Agriculture

And

The Honorable Board of Supervisors of Sonoma County:

David Rabbitt – Second District, Chair
Susan Gorin – First District
Shirlee Zane – Third District

Mike McGuire – Fourth District, Vice Chair
Efren Carrillo – Fifth District

It is my privilege to present the 2012 Sonoma County Crop Report as prepared pursuant to Section 2279 of the California Food and Agricultural Code. The reported value for 2012 was \$821,345,000, which is an increase of approximately 41% from the 2011 value of \$581,081,700. This report reflects the gross production values; not the net income or costs of production and marketing.

The marked increase in gross value for 2012 is attributed primarily to a nearly 68% increase in winegrape value over 2011. Total tonnage of winegrapes was up 60%, as more than 267,000 tons were processed in 2012, valued at \$582,942,100. This represents the largest recorded winegrape crop in the history of Sonoma County. Average price per ton for all reported winegrape varieties was up 4.7%. Mild spring temperatures during bloom allowed more berries to set, making clusters bigger and heavier. Summer weather was near perfect with cool mornings and warm sunny afternoons that continued into September, allowing the fruit to ripen evenly and slowly. The result was well balanced fruit of exceptional quality.

Nursery products value was up 36%, largely due to the demand for grapevine nursery stock for vineyard planting and replanting coupled with an increase in the sale of ornamentals driven by the improving economy.

Livestock and poultry products such as eggs and milk experienced a 7% decrease in value, which is attributed to a 5.6% decrease in the price per unit of market and manufacturing milk. The value of livestock and poultry production grew by a modest 3.6% while apple production value fell approximately 29%, reflecting a nearly 38% reduction in yield.

Increased prices drove the overall value of field crops which grew more than 24% despite a decline in total harvested acreage and significant reductions in harvested tonnage as a result of drought conditions.

I would like to extend my gratitude and appreciation to all of our agricultural producers whose participation makes this report possible. A special thanks goes out to Andrew Smith, Agricultural Biologist, who collects and compiles these statistics, as well as the outstanding staff of the Agricultural Commissioner's Office who contribute to the production of this report.

Respectfully submitted,

A handwritten signature in black ink that reads 'Tony Linegar'.

Tony Linegar
Agricultural Commissioner / Sealer of Weights and Measures

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*"I firmly believe, from what I have seen, that this is the chosen spot of all this earth as far as Nature is concerned."
– Luther Burbank, 1875*

For over 200 years, grape growing has been at the heart of the Sonoma County story. From the Russian colonists who planted grapes at Fort Ross in the 19th century, to the legendary growers who established Sonoma County as a world-class winemaking region in the 20th century and now today's generation of bootstrapping growers who make Sonoma County agriculture their life's endeavor: Sonoma County is a special place where passion and hard work meet.

The traditional values of grape growing are apparent everywhere in 21st century Sonoma County. Winegrowers work hard to produce high quality grapes that are the foundation for world class wines. Beyond the daily work, they are mindful of their legacy, as well. Growers are dedicated to sustaining their land for future generations. They preserve the rural land where they live and work and the water and air that they share with neighbors. Growers actively support their communities and are proud to be a part of Sonoma County. The majority of vineyards in Sonoma County are family-owned. In fact, multi-generational and family owned vineyards are key components of the Sonoma County agricultural landscape. Surprising to many, only 6% of Sonoma County's 1 million acres of land are dedicated to grapes. Eighty percent of those grapes are planted on parcels of less than 100 acres and 40% are planted on parcels less than 20 acres.

Of course, while respecting tradition is an important part of the multi-generational legacy, Sonoma County winegrowers also embrace innovation and conservation. Over 60% of Sonoma County winegrowing acreage is enrolled in the Code of Sustainable Winegrowing Program. This program is a series of increasingly high standards and best management practices to incorporate sustainable practices into grape growing. Growers have also embraced the recycling movement. In 2012, in partnership with the Sonoma County Agricultural Commissioner's Office, growers recycled over 25,000 pounds of plastic over two recycling day events. Growers have been adopting water conservation projects such as wind machines and recycled water for frost protection, solar power for energy efficiency and cover-cropping for building soil fertility and erosion control. When you add together a passion for growing, a commitment to land stewardship, and an eye toward innovation, the results can be exhilarating.

Sonoma County Winegrowers experienced a banner year in 2012. Great weather combined with a long growing season resulted in phenomenal yields, exceptional fruit quality and an additional \$236 million in grape revenues over the county's take in 2011. Sonoma County Winegrowers also announced an unprecedented partnership with Sonoma County Tourism and Sonoma County Vintners to market Sonoma County as a region. This partnership culminated with a new brand mark for Sonoma County featured on the cover and joint advertising and promotion campaigns. Tourism and the wine industry are working hand-in-hand to share the unique and diverse Sonoma County experience with consumers, wine trade and media.

In short, for those involved in grape growing and wine-making, Sonoma County is more than a special place to grow world-class grapes and make great wines. It's one of the most beautiful places on Earth to live and work. The amazing diversity of Sonoma County, along with people who recognize and preserve Sonoma's bounty, helps explain why, as Luther Burbank observed, Sonoma County remains the "chosen spot" of nature.



Karissa Kruse
President
Sonoma County Winegrowers



Million Dollar Crops and Nursery Production

MILLION DOLLAR CROPS

1	Winegrapes - All	\$582,942,100
2	Market Milk	\$85,063,200
3	Miscellaneous Poultry	\$46,632,600
4	Misc. Livestock and Poultry Products	\$25,142,700
5	Misc. Nursery Products	\$20,058,600
6	Cattle and Calves	\$12,327,300
7	Vegetables	\$11,018,400
8	Nursery - Ornamentals	\$7,162,300
9	Sheep and Lambs	\$5,199,500
10	Apples - Late Varieties	\$3,665,400
11	Nursery - Bedding Plants	\$3,320,000
12	Miscellaneous Field Crops	\$2,680,700
13	Nursery - Cut Flowers	\$2,585,700
14	Oat Hay	\$1,816,400
15	Apples - Gravenstein	\$1,729,500
16	Oat Silage	\$1,468,000
17	Oat Grain	\$1,350,400



Nursery Production

Product	Year	Quantity	Unit	Total
Ornamentals	2012	1,017,180	plant	\$7,162,300
	2011	1,347,078	plant	\$9,221,300
Bedding Plants	2012	720,262	flat	\$3,320,000
	2011	383,280	flat	\$4,766,400
Christmas Trees	2012	6,558	each	\$344,700
	2011	5,234	each	\$185,300
Cut Flowers	2012			\$2,585,700
	2011			\$3,126,400
Miscellaneous Products (a)	2012			\$20,058,600
	2011			\$7,239,500
TOTAL VALUE	2012			\$33,471,300
	2011			\$24,538,900

(a) includes grapevines, deciduous fruit and nut trees, liners, bulbs, forest seedlings, house plants, orchids, cacti, herbaceous perennials, dry flowers, turf and wreaths

Fruit and Nut Summary and World Winegrape Acreage

Fruit and Nut Summary

Crop	Year	Bearing Acres	Tons/Acre	Total Tons	\$/Ton	Dollar Value	Total	
Apples (all)	2012	2,195	8.29	18,188	\$297		\$5,394,900	
	2011	2,322	13.32	30,926	\$246		\$7,619,700	
	Fresh	2012					\$1,308,500	
		2011					\$1,473,900	
Processed (a)	2012					\$4,086,500		
	2011					\$6,145,700		
Grapes (wine)	2012	58,349	4.58	267,062	\$2,183		\$582,942,100	
	2011	57,246	2.91	166,619	\$2,083		\$347,080,300	
Olives	2012	705					\$165,700	
	2011	567					\$95,700	
Miscellaneous (b)	2012						\$565,100	
	2011						\$891,500	
TOTAL	2012						\$589,067,800	
	2011						\$355,687,200*	

(a) includes canned, juice, cider, and vinegar

(b) includes bush-berries, kiwi, black walnuts, plums, all pears, strawberries, figs, chestnuts, prunes, etc.

* Revised from 2011



2012 FRUIT AND NUT ACREAGE SUMMARY

Crop	Bearing	Non-Bearing	Total
Apples	2,195	0	2,195
Winegrapes	58,349	870	59,219
Olives	705	26	731
Pears	40	6	46
Plums (incl. Prunes)	26	2	28
Walnuts	119	0	119
Miscellaneous	562	230	792
TOTAL ACREAGE	61,996	1,134	63,130

WORLD WINEGRAPE ACREAGE

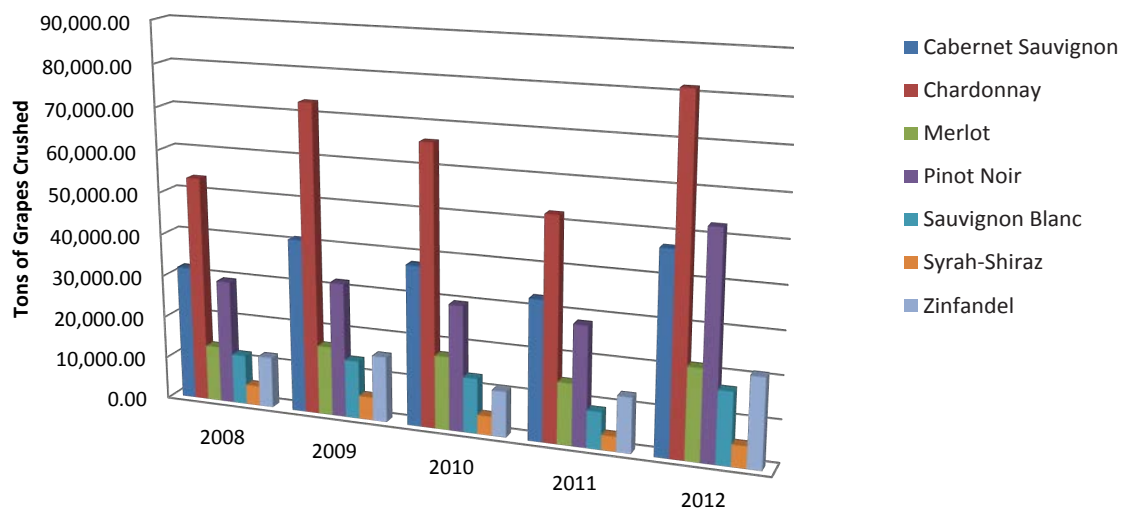
Country	Total Acreage		% Change
	2006	2010	
Spain	2,805,151	2,476,200	-11.73%
France	2,066,561	2,038,600	-1.35%
Italy	1,850,300	1,931,900	4.41%
Turkey	1,269,674	1,235,500	-2.69%
China	1,042,769	1,167,500	11.96%
United States	937,179	945,000	0.83%
Iran	778,365	686,300	-11.83%
Portugal	549,867	600,400	9.19%
Argentina	551,117	563,400	2.23%
Chile	444,780	494,200	11.11%
Romania	470,216	453,000	-3.66%
Egypt	363,904	385,000	5.80%
Australia	390,600	378,000	-3.23%
Moldova	346,896	370,600	6.83%
South Africa	278,524	323,700	16.22%
Uzbekistan	250,006	296,500	18.60%
Greece	201,871	284,200	40.78%
Germany	245,054	247,100	0.83%
Brazil	217,000	227,300	4.75%
India	163,086	199,000	22.02%
All Other Countries	2,945,990	2,871,300	-2.54%
Total Acreage	18,168,910	18,174,700	0.03%

Winegrape Production

Red Varieties	Year	Acreage			Production		
		Bearing	Non-Bearing	Total	Tons	\$/Ton	Total Value
Cabernet Franc	2012	662.3	2.4	664.7	1,906.5	\$2,325.46	\$4,433,500
	2011	655.9	6.7	662.6	1,568.6	\$2,209.15	\$3,465,300
Cabernet Sauvignon	2012	11,904.5	119.4	12,023.9	47,194.0	\$2,313.56	\$109,186,200
	2011	11,726.8	291.5	12,018.3	33,126.8	\$2,111.24	\$69,938,700
Carignane	2012	610.4	0.0	610.4	510.6	\$1,879.74	\$959,800
	2011	615.4	0.0	615.4	373.2	\$2,019.14	\$753,600
Malbec	2012	330.7	68.3	398.9	2,469.2	\$2,284.02	\$5,639,800
	2011	322.4	76.6	399.0	1,110.5	\$2,340.51	\$2,599,200
Merlot	2012	5,137.2	1.0	5,138.2	21,627.6	\$1,496.57	\$32,367,300
	2011	5,126.6	23.4	5,149.9	14,670.5	\$1,380.85	\$20,257,800
Meunier	2012	123.5	0.0	123.5	581.2	\$2,735.16	\$1,589,700
	2011	108.5	15.0	123.5	301.4	\$2,698.80	\$813,500
Petite Sirah	2012	587.9	10.5	598.4	3,149.1	\$2,424.27	\$7,634,300
	2011	575.0	22.2	597.1	2,521.1	\$2,325.25	\$5,862,200
Petite Verdot	2012	210.7	0.6	211.3	1,162.6	\$2,669.78	\$3,103,900
	2011	209.2	2.6	211.8	851.7	\$2,461.02	\$2,096,100
Pinot Noir	2012	12,077.5	144.9	12,222.4	52,793.2	\$3,014.62	\$159,151,500
	2011	11,862.6	377.1	12,239.7	28,350.2	\$2,902.47	\$82,285,700
Sangiovese	2012	91.0	36.5	127.5	1,341.5	\$2,270.04	\$3,045,300
	2011	89.5	36.5	126.0	845.2	\$2,204.51	\$1,863,300
Syrah-Shiraz	2012	1,785.0	4.7	1,789.7	5,252.2	\$2,148.20	\$11,282,800
	2011	1,773.1	19.1	1,792.3	3,614.0	\$2,124.31	\$7,677,300
Zinfandel	2012	5,243.4	54.2	5,297.6	21,204.2	\$2,419.54	\$51,304,500
	2011	5,216.8	81.1	5,297.9	13,101.0	\$2,357.61	\$30,887,100
TOTAL	2012	38,763.9	442.4	39,206.4	161,709.9	\$ 2,453.74	\$ 396,794,100
REDS	2011	38,281.7	951.7	39,233.4	101,818.5	\$ 2,301.97	\$ 234,383,200*

* Revised from 2011

Total Tons by Variety 2008-2012



Winegrape Production

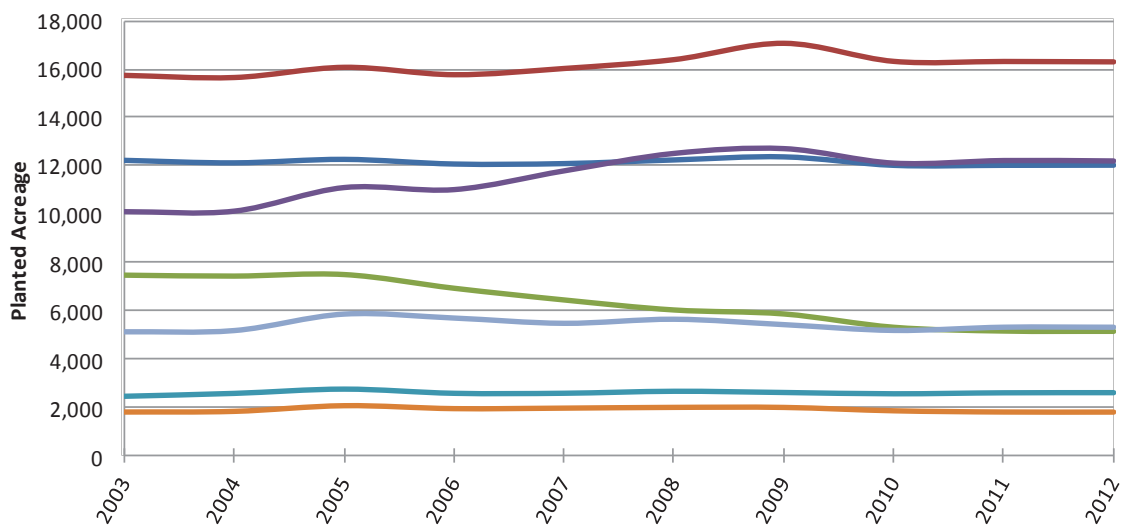
White Varieties	Year	Acreage			Production		
		Bearing	Non-Bearing	Total	Tons	\$/Ton	Total Value
Chardonnay	2012	15,989.4	313.7	16,303.1	81,581.6	\$1,893.66	\$154,487,900
	2011	15,424.1	895.2	16,319.3	52,374.4	\$1,843.94	\$96,575,300
French Colombard	2012	35.6	0.0	35.6	116.6	\$544.74	\$63,600
	2011	35.6	0.0	35.6	86.3	\$519.38	\$44,900
Gewürztraminer	2012	135.0	0.0	135.0	640.0	\$1,543.11	\$987,600
	2011	135.0	0.0	135.0	220.1	\$1,451.86	\$319,600
Muscat Blanc	2012	16.7	13.0	29.7	101.6	\$1,837.13	\$186,700
	2011	16.7	0.4	17.0	40.2	\$2,062.50	\$130,000
Pinot Blanc	2012	51.6	1.0	52.6	368.8	\$1,728.41	\$637,500
	2011	45.1	6.4	51.6	185.8	\$1,730.81	\$419,900
Pinot Gris	2012	476.2	1.5	477.7	2,701.0	\$1,661.48	\$4,487,700
	2011	476.2	1.5	477.7	1,422.7	\$1,635.34	\$2,326,600
Sauvignon Blanc	2012	2,475.9	98.3	2,574.2	17,159.4	\$1,418.49	\$24,340,500
	2011	2,425.6	142.4	2,568.1	8,886.0	\$1,368.74	\$12,162,700
Semillon	2012	127.4	0.0	127.4	470.9	\$2,063.69	\$971,800
	2011	127.4	0.3	127.7	437.0	\$2,298.45	\$1,004,500
Viognier	2012	244.3	0.0	244.3	843.5	\$2,251.74	\$1,899,400
	2011	241.8	1.5	243.3	361.4	\$2,282.41	\$824,900
White Riesling	2012	32.7	0.0	32.7	363.8	\$1,864.34	\$678,300
	2011	37.2	0.0	37.2	206.4	\$1,944.56	\$401,400

TOTAL WHITES	2012	19,584.8	427.5	20,012.3	105,351.7	\$1,811.93	\$ 190,890,000
	2011	18,964.8	1,047.7	20,012.5	64,800.3	\$1,784.38	\$ 115,628,400*

TOTAL WINEGRAPES	2012	58,348.8	869.9	59,218.7	267,061.6	\$ 2,182.80	\$ 582,942,100
	2011	57,246.4	1,999.4	59,245.8	166,618.8	\$ 2,083.08	\$ 347,080,300*

* Revised from 2011

Acreage By Variety 2003-2012



Apple Production

Crop	Year	Bearing Acres	Tons/Acre	Total		Dollar Value	Total	
				Tons	\$/Ton			
Gravenstein	2012	477	11.07	5,279	\$328		\$1,729,500	
	2011	600	17.68	10,612	\$241		\$2,552,900	
	Fresh	2012			382	\$1,576	\$580,718	
		2011			864	\$620	\$535,794	
	Processed (a)	2012			4,897	\$267	\$1,148,794	
		2011			9,748	\$207	\$2,017,030	
Late Apples	2012	1,718	7.51	12,909	\$284		\$3,665,400	
	2011	1,722	11.80	20,314	\$249		\$5,066,800	
	Fresh	2012			336	\$2,215	\$727,764	
		2011			512	\$1,831	\$938,051	
	Processed (a)	2012			12,573	\$218	\$2,937,646	
		2011			19,802	\$208	\$4,128,650	
TOTAL	2012	2,195	8.29	18,188	\$297		\$5,394,900	
	2011	2,322	13.32	30,926	\$246		\$7,619,700	

(a) includes canned, juice, vinegar, cider

Apiary Products



TOTAL VALUE*	2012	\$227,600
	2011	\$267,400

*includes honey, wax and hives rented for pollination

Vegetables



Crop	Year	Harvested	Dollar Value
		Acreage	
Miscellaneous	2012	680	\$11,018,400
Vegetables (a)	2011	731	\$9,470,800

(a) includes crucifers, squash, melons, mushrooms, potatoes, peppers, tomatoes, sprouts, lettuces, etc.

Livestock and Poultry

Item	Year	Number of Head	Live Weight	Unit	\$/Unit	Total
Cattle/Calves	2012	29,971	156,916	cwt.	\$78.56	\$12,327,300
	2011	30,206	157,634	cwt.	\$77.51	\$12,218,200
Sheep/Lambs	2012	29,542	35,234	cwt.	\$147.57	\$5,199,500
	2011	26,352	31,430	cwt.	\$162.65	\$5,112,100
Hogs	2012	843	2,574	cwt.	\$63.50	\$163,500
	2011	936	2,235	cwt.	\$67.01	\$149,800
Miscellaneous (a)	2012					\$46,632,600
	2011					\$44,612,500
TOTAL VALUE	2012					\$64,322,900
	2011					\$62,092,600

(a) includes chicks, ducks, turkey poults, fryers, roasters, turkeys, etc.

LIVESTOCK AND POULTRY PRODUCTS

Item	Year	Production	Unit	\$/Unit	Total
Milk, Market	2012	4,725,733	cwt.	\$18.00	\$85,063,200
	2011	4,818,494	cwt.	\$19.54	\$94,153,400
Milk, Manufacturing	2012	7,519	cwt.	\$18.00	\$135,300
	2011	8,875	cwt.	\$18.48	\$164,000
Wool	2012	88,362	lb.	\$0.70	\$61,900
	2011	84,154	lb.	\$0.89	\$74,900
Miscellaneous (a)	2012				\$25,142,700
	2011				\$24,311,400
TOTAL VALUE	2012				\$110,403,100
	2011				\$118,703,700

(a) includes market duck eggs, turkey hatching eggs, chicken eggs for consumption, egg by-products, and goat milk

LIVESTOCK AND POULTRY INVENTORY

Item	Number
Cattle and Calves (all) *	68,762
Milk Cows and heifers (2 years and over)	28,660
Beef Cows and heifers (2 years and over)	10,131
Sheep and Lambs (all)	22,543
Hogs	1,029
Laying Hens and Pullets	5,764,700
Goats	2,146

* Number of Head as of January 1, 2013 - Furnished by California Agricultural Statistics Service

Field Crops

Crop	Year	Harvested Acreage	Ton/Acre	Total Tons	Unit	Per Unit	Total
Hay, Oat	2012	4,775	2.6	12,522	ton	\$145.06	\$1,816,400
	2011	5,645	2.4	13,344	ton	\$127.08	\$1,695,800
Hay, Volunteer	2012	738	0.6	472	ton	\$241.94	\$114,100
	2011	1,900	3.1	5,978	ton	\$30.11	\$180,000
Green Chop (a)	2012	2,887	7.8	22,486	ton	\$17.70	\$397,900
	2011	2,093	14.3	29,840	ton	\$17.10	\$510,400
Oats, Grain	2012	800	3.2	2,558	ton	\$527.91	\$1,350,400
	2011	740	1.4	1,049	ton	\$208.29	\$218,500
Silage, Corn (a)	2012	236	30.1	7109	ton	\$24.11	\$171,400
	2011	395	23.2	9159	ton	\$47.33	\$433,500
Silage, Oat (a)	2012	3580	13.5	48478	ton	\$30.28	\$1,468,000
	2011	5560	11.5	63678	ton	\$23.64	\$1,505,400
Straw	2012						\$182,700
	2011						\$95,200
Miscellaneous (b)	2012						\$2,680,700
	2011						\$982,800
Pasture	2012	6,721			acre	\$100.00	\$672,200
	2011	6,789			acre	\$100.00	\$678,900
Rangeland	2012	331,667			acre	\$12.00	\$3,980,100
	2011	335,017			acre	\$12.00	\$4,020,300
TOTAL	2012	351,404					\$12,833,900
	2011	358,139					\$10,320,800

(a) much of the green chop and silage is not sold but used on the farm - value is determined by its feed equivalent

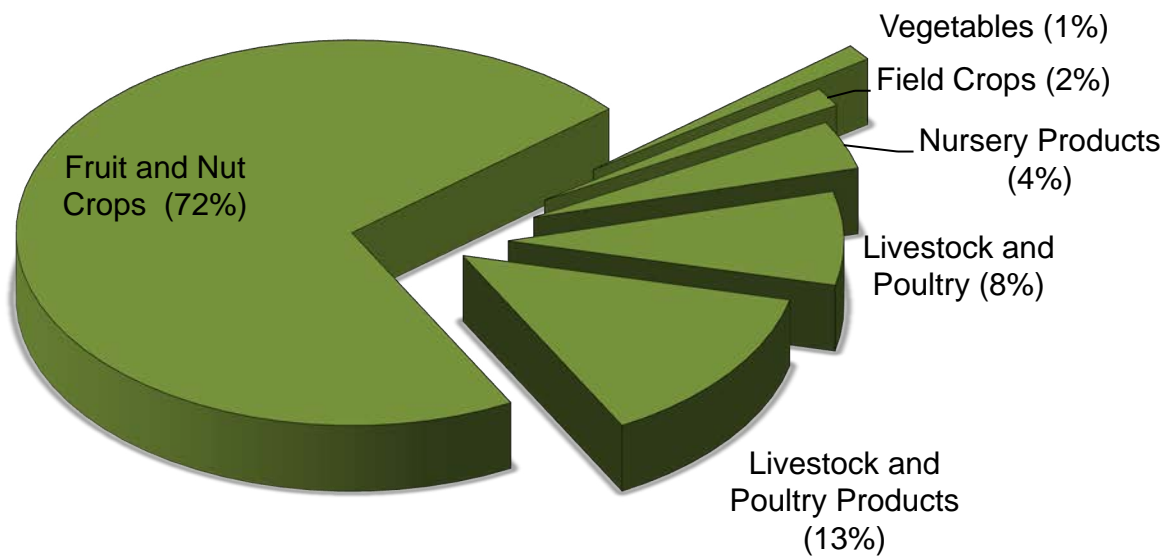
(b) includes alfalfa, barley, safflower, wheat, rye, vetch, Sudan, etc.



	2011	2012	% Change
Apiary Products	\$267,400	\$227,600	-14.9%
Vegetable Crops	\$9,470,800	\$11,018,400	16.3%
Field Crops	\$10,320,900	\$12,833,900	24.3%
Nursery Products	\$24,538,900	\$33,471,300	36.4%
Livestock and Poultry	\$62,092,600	\$64,322,900	3.6%
Livestock and Poultry Products	\$118,703,700	\$110,403,100	-7.0%
Fruit and Nut Crops	\$355,687,200*	\$589,067,800	65.6%
TOTAL VALUE	\$581,081,500*	\$821,345,000	41.3%

* Revised from 2011

Sonoma County Agriculture 2012 (percentage of total production value)



2012 Organic Farming Statistics

Commodity	Registrants	Acres
Eggs	12	N/A
Fruits/Nuts	109	2,318
Grain/Forage	42	9,825
Meat	16	N/A
Milk	36	N/A
Nurseries	30	9
Pasture/Rangeland	62	27,067
Vegetables	69	214
Winegrapes	58	830
Handlers	25	N/A
Total Individual Registrants	459	40,263

Pest Detection Trapping

There were 9,709 traps placed for the detection of exotic insect pests including Mediterranean, Oriental, and Melon Fruit Flies, Gypsy Moth, Japanese Beetle, European Grapevine Moth (EGVM), and Light Brown Apple Moth (LBAM). These traps were serviced 118,696 times. There were 85 traps placed in nurseries for the detection of Glassy-Winged Sharpshooter (GWSS), which were serviced 1,382 times. In addition, 475 traps were placed in urban areas for the detection of GWSS, which were serviced 4,476 times. There were no European Grapevine Moths detected through trapping in 2012. This represented a marked achievement in our goal to eradicate the moth here in Sonoma County as only 9 EGVM were trapped in 2011 as opposed to the 59 confirmed finds encountered in 2010.

Pest Exclusion

A total of 3,196 premise visits occurred in 2012, and during these visits we inspected 32,239 shipments of plant material. Inspections occurred at the express carriers, nurseries, the post office, feed mills, as well as vineyards, orchards and other farms. Ninety-six rejections of plant material were made, which is a dramatic increase from 2011 rejections. Rejected plant material is returned to the shipper, reconditioned and released, or destroyed. To prevent the spread of GWSS into Sonoma County, department personnel inspected 1,488 shipments of nursery material arriving from infested counties in California. There were no shipments of plant material rejected for the presence of viable GWSS egg masses or other life stages. To assist our industry, we issued 98 federal phytosanitary documents for international shipments and 240 state phytosanitary documents for shipments to other states.

Exotic Pest Species Intercepted in 2012

Light Brown Apple Moth <i>Epiphyas postvittana</i>	Hemlock Scale <i>Abgrallaspis ithacae</i>	Balsam Fir Gall Midge <i>Paradiplosis tumifex</i>
Granary Weevil <i>Sitophilus spp.</i>	Latania Scale <i>Hemiberlesia lataniae</i>	Cottony Cushion Scale <i>Icerya purchasi</i>
Spiraling Whitefly <i>Aleurodicus dispersus</i>	Banana Aphid <i>Pentalonia nigronervosa</i>	Obscure Mealybug <i>Pseudococcus viburni</i>
Coconut Mealybug <i>Nipaecoccus nipae</i>	Sawtoothed Grain Beetle <i>Oryzaephilus sp.</i>	Quack Grass <i>Elytrigia repens</i>

Vineyard and Orchard Development

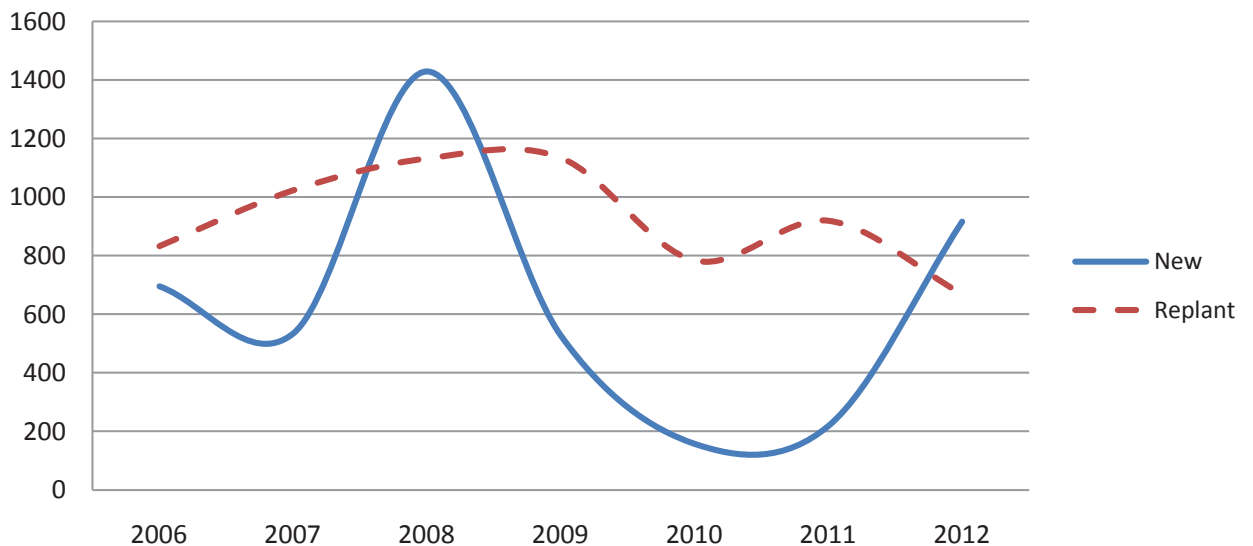
Under a County ordinance originally adopted by the Sonoma County Board of Supervisors in 2000, prior to developing and planting a vineyard an application and plans are reviewed for approval by the Agricultural Commissioner’s Office. The purpose of the ordinance is to assist in preventing soil erosion and protect water quality and other natural resources. In 2008 the Vineyard Erosion and Sediment Control Ordinance (VESCO) was update to include requirements and review of orchards and agricultural grading and drainage. During 2012 the Ordinance was further enhanced by adding standards to address potential erosion when projects involve the removal of trees. These standards incorporate engineering geologist review for areas of instability and use of Universal Soil Loss Equation or Revised Universal Soil Loss Equation to show no net increase in erosion from pre-development.

In collaboration with other agencies, organizations and individuals, the department has developed a handbook titled “Best Management Practices for Agricultural Erosion and Sediment Control” (BMPs). This handbook provides guidelines for controlling water movement around and off sites to mitigate the impacts of accelerated soil erosion due to Agricultural activities in Sonoma County. The handbook describes and shows basic practices effective at reducing erosion and sedimentation, as well as how to implement these practices. A new Chapter has been added to this handbook to incorporate BMPs for projects involving tree removal.

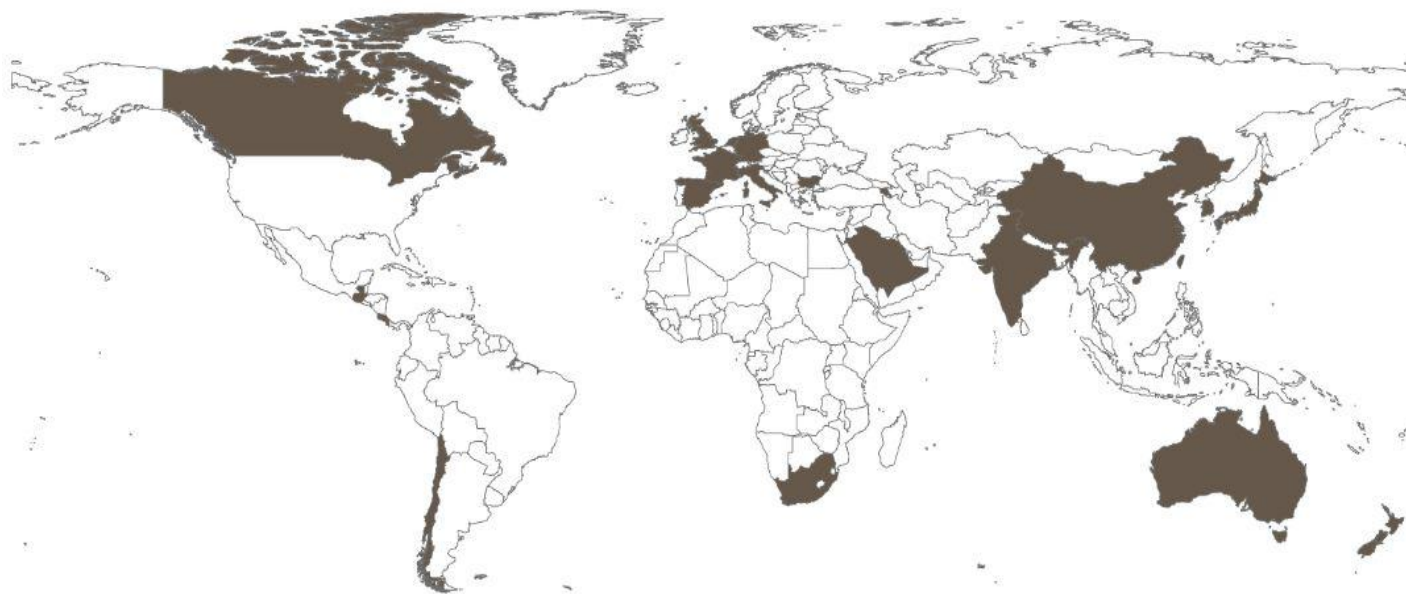
The table below displays the number of project applications submitted not necessarily projects that were completed. The figures in the table include applications for both vineyards and orchards.

Year	New						Replants						
	Level I		Level II		Acreage	Project	Level I		Level II		Acreage	Project	Projects
	Projects	Acreage	Projects	Acreage	Total	Total	Projects	Acreage	Projects	Acreage	Total	Total	Total
2006	49	544	13	151	695	62	78	785	6	47	832	84	146
2007	45	419	21	115	534	66	100	1,001	4	22	1,023	104	170
2008	61	1,157	27	272	1,429	88	97	1,110	4	22	1,132	101	189
2009	24	150	20	377	527	44	57	1,046	5	88	1,134	62	106
2010	10	82	13	75	157	23	51	783	0	0	783	51	74
2011	19	132	8	86	218	27	67	769	4	150	919	71	98
2012	35	327	11	589	916	46	50	633	4	35	668	54	100

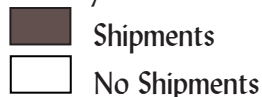
Total Acreage Per Year



Commodity Exports



Commodity Destinations



Destination	Number of Certificates
Canada	31
French Polynesia	10
France	9
Spain	7
Japan	6
Costa Rica	6
Australia	5
Guatemala	3
South Korea	3
China	3
Taiwan	3
Saudi Arabia	2
United Kingdom	2
Armenia	1
Bulgaria	1
Chile	1
Curaçao	1
Germany	1
India	1
Italy	1
South Africa	1

Commodities Shipped

- Oak Pieces for Winemaking
- Bird Seed
- Animal Feed
- Herbs/Spices
- Rose Plants
- Iris Rhizomes
- Vegetable Seed
- Ferns
- Grapevines
- Oak Wine Barrels
- Winegrapes

In 2012, the Sonoma County Agricultural Commissioner’s Office issued 98 Federal Phytosanitary Certificates for international shipments to 21 countries, and 240 State Phytosanitary Certificates for shipments within the United States. These certificates were issued by staff to assist the agricultural industry and ensure products produced or processed in Sonoma County meet the necessary import requirements. Phytosanitary certificates document that materials to be shipped have been inspected and certified free from pests as required by the importing state or country.

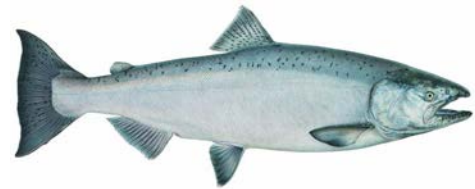
Timber Harvest and Commercial Fish Landings



TIMBER HARVEST

Year	Production	Unit	Value (a)
2012	4,426,000	board feet	\$770,936
2011	6,542,000	board feet	\$1,728,445

(a) value of timber immediately before cutting
 Source: www.boe.ca.gov/proptaxes/timbertax.htm
 Informational only



Commercial Fish Landings *

Species		Pounds	\$	Value
Crab, Dungeness	2011	5,394,657	\$	13,232,045
	2010	4,484,261	\$	7,659,341
Salmon, Chinook	2011	102,688	\$	569,200
	2010	13,779	\$	60,596
Sole, all	2011	19	\$	19
	2010	32,247	\$	40,914
Rockfish, all	2011	3,252	\$	14,571
	2010	36,759	\$	60,841
Halibut, California	2011	1,733	\$	8,770
	2010	10,776	\$	42,702
Miscellaneous	2011	60,524	\$	46,116
	2010	184,936	\$	104,362
Sablefish	2011	142,370	\$	397,089
	2010	90,204	\$	252,075
Lingcod	2011	410	\$	1,081
	2010	2,169	\$	3,639
Tuna, Albacore	2011	42,730	\$	69,952
	2010	18,983	\$	20,862
Cabezon	2011	398	\$	1,888
	2010	779	\$	3,693
Total	2011	5,748,781	\$	14,340,731
	2010	4,874,893	\$	8,249,025

*Most recent figures provided by California Department of Fish and Game.
 Source: <http://www.dfg.ca.gov/marine/landings09.asp>
 Informational only



Agriculture Division Summary

In 2012 the Agriculture Division:

- Administered state and federal quarantine restrictions to combat the spread of the European Grapevine Moth (EGVM). Staff placed and serviced approximately 8,200 traps for early detection, performed over 200 winery inspections, completed over 200 hauler inspections, and provided outreach through meetings, weekly emails, and website updates. One outreach objective was gaining cooperation from growers in treating their vineyards in an effort to eradicate EGVM. As a result of this outreach we were able to garner 91.3 % participation in treating for EGVM. Due to the success of this program a significant amount of acreage was removed from quarantine in 2013. No EGVM were detected in traps in Sonoma County in 2012 compared with 9 moths in 2011 and 59 moths in 2010.
- Worked to develop an online Certified Producer Certificate (CPC) program which will launch in 2013. This online system will allow producers who sell at a certified farmers' market to enter their own production information for their annual CPC, thereby improving data accuracy and reducing staff costs.
- Partnered with Health Services and University of California Cooperative Extension to develop a free online "Approved Produce Gardener Certificate" to promote local foods by creating a mechanism for community, school and home gardeners, to legally sell or donate produce. This program was launched in early 2013.
- Implemented new provisions related to tree removal in the Grading, Drainage and Vineyard and Orchard Site Development Ordinance (VESCO), which included contracting with an engineer and geologist, resources not previously available within the department.
- Worked to increase Crop Report survey participation for smaller vegetable producers in an effort to gain more accurate data for local vegetable acreage and value of production by creating an online survey form that could be filled out and submitted through our website. We also circulated this form through collaboration with community partners, as well as an email blast to vegetable producers in our direct marketing program.

Did You Know That in 2012 the Agriculture Division...

- Inspected approximately 45,400 incoming shipments of plant material at nurseries and shipping terminals for exotic, invasive, and agricultural pests
- Issued 201 Producer Certificates and 20 Farmers' Market certificates for Certified Farmers' Markets
- Registered 40 new organic producers
- Inspected nearly 4.5 million chicken eggs for defects via representative sampling
- Issued 994 phytosanitary certificates for the export of plant material out of Sonoma County
- Diverted more than 25,000 pounds of plastic containers from the landfill through the division's two recycling events with approximately 105 growers participating
- Inspected 36 shipments of household articles for the presence of Gypsy Moth, which includes thoroughly examining items such as BBQs, boats, cars, fire wood, recreational vehicles, patio furniture, and other articles originating from portions of the United States infested with Gypsy Moth (*Lymantria dispar*)
- Surveyed more than 1,000 Sonoma County producers in preparation for the 2012 Agricultural Crop Report
- Issued 556 Operator Identification numbers/Permits and conducted 36 investigations for suspected illnesses and complaints as part of the Pesticide Use Enforcement program



Weights and Measures Division Summary

The Division of Weights and Measures enforces weights and measures laws in Sonoma County. Traditionally weights and measures inspectors have inspected simple “mechanical” weighing and measuring commercial devices used in the purchase or sale of commodities. Advancements in electronics have made it possible to incorporate new abilities in to these older mechanical devices. Electrical applications to devices have made them more accurate in measurement, more reliable and generally easier to operate. In similar fashion, the advent of the computer ushered in software integration that has introduced new device features and enhanced purchasing options for consumers. This includes features like multiple pricing tiers, conditional discounts and the ability to accept different forms of electronic payment.

Laws regulating newer technological applications have always trailed behind the actual application. Within the last ten years, the demand for alternative forms of energy has spurred developments in the energy sector. Vehicles currently on the market are capable of operating on electricity, bio-diesel fuel blends, natural gas, and ethanol fuel blends. How will you be charged for the electricity for your new electric vehicle? Who will be responsible to regulate and to test the device used to charge not only you, but your electric vehicle as well? These are just some of the issues on the horizon that weights and measures officials will need to contend with along with all the newest device software applications, point of sale interfaces and changing requirements under state law.

Did you know that in 2012 the Weights and Measures Division...

- Scanned 16,250 items while performing 748 price verification inspections at Sonoma county retailers
- Performed 14,354 commercial devices inspections of devices used when buying and selling goods
- Performed 3,183 devices inspections of retail petroleum dispensers
- Performed 1,154 deli and supermarket scales used to weigh meat, cheese and produce items
- Performed 108 commercial devices inspections of taxi meters



Ag Days is a Sonoma County tradition. The Sonoma County Farm Bureau annually sponsors the two-day event, which is a celebration of Sonoma County's Agricultural industry and the rich heritage that continues to define a way of life for Sonoma County residents. Ag Days offer an opportunity for thousands of school children to learn more about farming and where their food comes from, allowing them to connect with the farms and ranches that blanket the county. An essay writing contest is one of many farm-themed contests held each year, which also include posters, murals, scarecrow building, and farm photography. Following is the winning Ag Days Essay. The theme this year is "Bee Healthy...Farm Happy"

Bees Are Our Farm Friends; Let's Help Keep Them Safe

By Isaiah Zekarias, 2nd Grade
St. Rose School

Bees help our environment by pollinating beautiful plants that produce flowers, fruits and nuts. Sadly a bee's job has become very dangerous. When a bee goes out to pollinate plants for us to have food to eat, they are harmed by the pesticides people spray on the plants. Let's help keep the bees safe by not using pesticides. Bees are God's creation. Be kind to them. Did you know bees are like us? They like it when people are nice to them. If a bee comes next to you don't wave your hands in excitement. Stay calm and move slowly away into a shaded area. The bee will get bored and leave. Help keep bees alive by having bees as garden friends. You will help them multiply and provide a safe place for them to pollinate. Bees are so important to our environment let's keep them safe. Remember, bees are our farm friends.



VISION

A thriving agricultural industry, healthy community, environment, and economy

MISSION

To promote and protect agriculture, the health and safety of our community, environment and the economy through education and the enforcement of laws and regulations

AGRICULTURAL COMMISSIONER/SEALER OF WEIGHTS and MEASURES

Tony Linegar

Assistant Agricultural Commissioner

Lisa Correia

Chief Deputy Agricultural Commissioner

Sue Ostrom

Chief Deputy Sealer of Weights and Measures

Fernando Vasquez

Deputy Agricultural Commissioner

Dan Curtin - Priscilla Lane - Alexis Ramey

Senior Agricultural Biologist / Standard Specialist

Pete Albers - Michael Barrett - Cree Morgan - Paul Turano
Marilyn Vernon

Agricultural Biologist / Standards Specialist

Gary Bjork - Gayle Carter - David Jagdeo - Thomas LeClerc
Katy McCoy - Alex McVicker - Michael Milligan - Jessica Scroggins
Andrew Smith - Jeff Yparraguirre

Wildlife Specialist

Jeff Furlong

Agriculture and Vineyard Conservation Coordinator

Gail Davis

Administrative Services Officer

Natalie Brunamonte

Executive Secretary

Gretchen Melendy

Department Analyst

Esther Martinez

Administrative Support Staff

Karen Giovannini - Mary Halasz - Ashley Holdenried - Nina Reeser
Sue Taylor-Fellbaum

Senior Agricultural Program Assistant

Maggie Furlong

Agricultural Program Assistant

Laura Barnthouse - Chelsea Bauman - Colleen Boe - Kevin Brady -
David Burtis - Kris Catching - Kim Covington - Andrew Griffin - Travis
Howard - Anne Elise Krug - Kyle Lindstrom - Andre Napolitano - John
O'Keefe - Prahlada Papper - Capella Parrish - Andrew Peasley - Laurie
Richards - David Stuart - Jodie Vent - Brittney Yolo



Honoring Department Staff Serving Our Community



Gary Bjork, Agricultural Biologist

This year was a wonderful year not only for our winegrape industry, but also for one of our own here at the Sonoma County Agricultural Commissioner's Office. Gary Bjork has fledged the office and spread his wings as he soars into the world of retirement. Gary worked for the department for more than 30 years, beginning work in November of 1982. Gary was born in New York and moved to California as an infant. His family settled in the Lucas Valley of Marin County where he attended Terra Linda High School. After his graduation in 1971 he continued his education at the College of Marin and later transferred to Cal Poly San Luis Obispo where he earned a Bachelor of Science degree in Horticulture.

After graduating Gary worked for a local landscaping company for a couple of years. He began his agricultural career with the Marin County Agricultural Commissioner's Office as an exotic fruit fly trapper before being hired as a biologist by the Sonoma County Agricultural Commissioner's Office in 1982. Gary started with the department as an egg quality inspector, a program that he led for many years. He is credited with modernizing our county's egg inspection program by updating inspection equipment and procedures. Gary was also a lead biologist for the exotic insect pest detection program, as well as Khapra Beetle Detection, Feed Mill Approval, and Nursery programs.

While Gary was with the department he worked in virtually all of our programs, including Pesticide Use Enforcement, Pest Exclusion, Weed Detection and Eradication, Phytosanitary Certification, Apiary Inspection, Organic, and Direct Marketing. Gary's fondest memories during his tenure in the department were of his work in the special weed survey and eradication projects with Bidly-Bidly, Iberian Starthistle, Bearded Creeper, Artichoke Thistle, Distaff Thistle, and Hydrilla.

Though Gary has soared into retirement he has not gone too far. In fact he hasn't even left the building and has pursued a retirement career as a Master Gardener with the University of California Cooperative Extension just across the hall. He has thoroughly enjoyed his training with the Master Gardeners thus far and is focused on keeping his mind sharp and agriculturally active in his first year with the program. When Gary is not spending time as a Master Gardener he can be found enjoying one of his many extracurricular interests. Gary is an avid bicyclist and enjoys hiking and bird watching. He is also a member of a local choir, and sings with his choir group at venues throughout Sonoma County and the surrounding area. He is also a member of several outdoor groups including Sierra Club, the Audubon Society, and the Bicycle Coalition.

While Gary has embraced his retirement opportunities and continued his ambition as a lifelong learner, he has not forgotten about us. He need only to walk across the hall when he wants to catch up on the goings on of his friends at the Agricultural Commissioner's Office. Gary, we wish you great happiness in your retirement and want to thank you for all of the knowledge, expertise, and energy that you have poured into this office over your 30 plus years of service.

