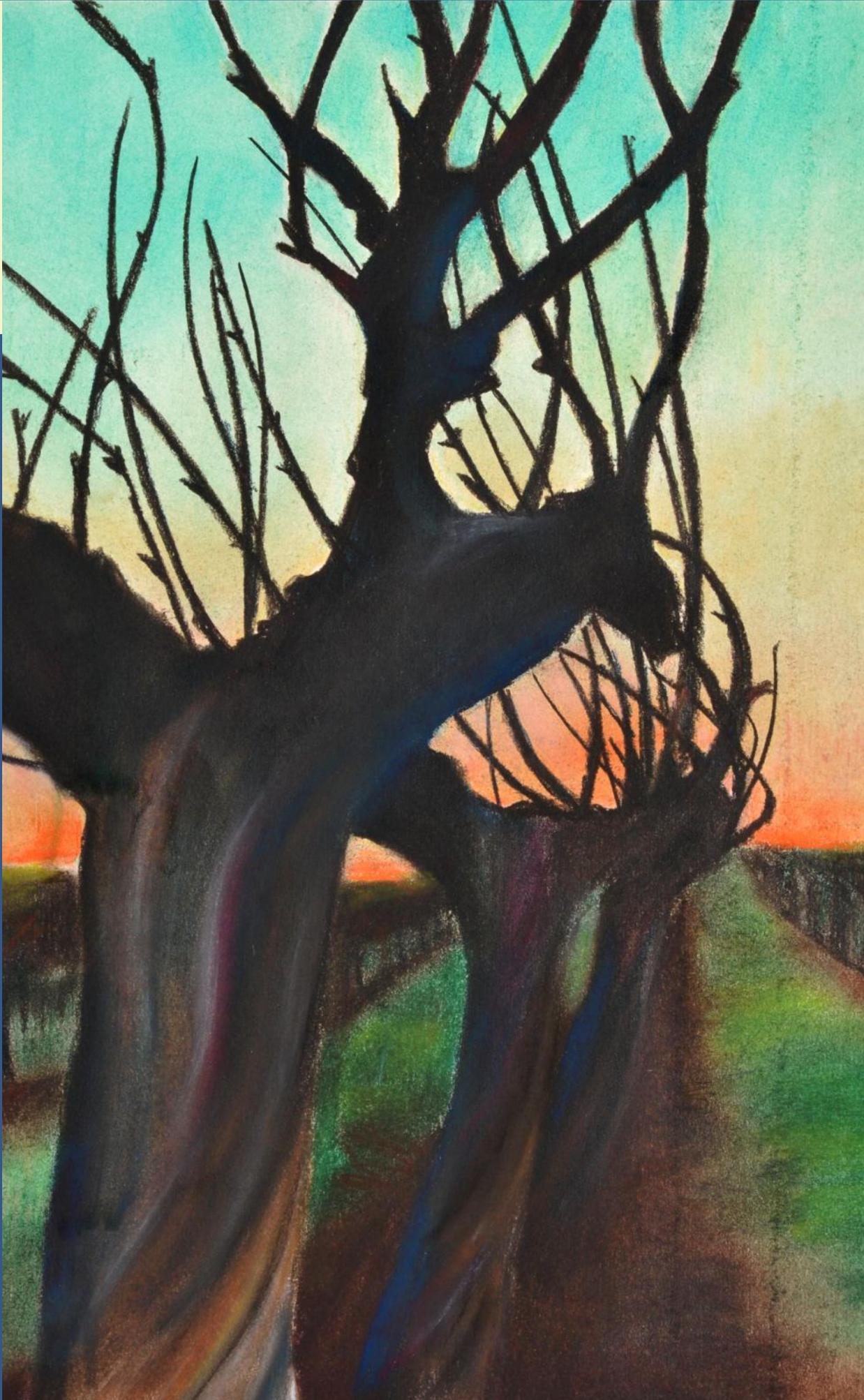




A Tradition of Stewardship
A Commitment to Service

2012
Agricultural Crop Report



MISSION STATEMENT

The Napa County Department of Agriculture, as a regulatory agency, is dedicated to sustaining a healthy agricultural industry, while protecting the environment, the agricultural workforce and the community. The mission of the Napa County Department of Weights and Measures is to provide fair competition and equity in the marketplace and to ensure that the interests of the buyer and seller are protected through education, inspection and enforcement.

Napa County Department of Agriculture and Weights and Measures
1710 Soscol Avenue, Suite 3
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Federal Wildlife Services Staff

Matthew Campbell	Tony Lombardi	Greg Wamsley
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LANCE BINGHAM, INSPECTOR EXTRAORDINAIRE

Agricultural Biologist Lance Bingham retired from the Agricultural Commissioner's Office on Dec. 28, 2012, after dutifully serving Napa County for 29 years. Prior to beginning his full-time career with the department as an Agricultural Biologist in 1983, Lance conducted Mediterranean Fruit Fly trapping in 1981 and 1982 as a seasonal employee. Lance also spent time working in the construction industry and as a member of the California Department of Food and Agriculture's Dutch Elm Disease project.



Lance worked extensively in our fruit and vegetable program throughout the years, inspecting beehives, eggs, fruits and vegetables, and overseeing the direct marketing and organic programs. He was also one of our key pesticide use enforcement inspectors. Undoubtedly, most of you had the opportunity to meet Lance and experience first-hand his expertise and unique sense of humor. Lance was able to reach out to people and use those skills to build effective working relationships with growers and staff alike. He tackled the changes in the Ag Department over the course of his career and embraced the challenges presented by the regulatory environment.



In his retirement, Lance will enjoy riding his road and mountain bikes, as well as traveling throughout California and the Pacific Northwest. Without a doubt, he'll be up for another expedition to Scotland. He will also pursue his interest in landscape and portrait photography. Lance's skills, historical knowl-

edge and sense of humor will be greatly missed by this office. We wish him well in his much-deserved retirement.



Department of Agriculture and Weights and Measures
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A Tradition of Stewardship
A Commitment to Service

April 9, 2013

Karen Ross, Secretary
California Department of Food and Agriculture
and
The Honorable Board of Supervisors of Napa County

CHAIR, Brad Wagenknecht – District 1

Mark Luce – District 2

Bill Dodd – District 4

Diane Dillon – District 3

Keith Caldwell – District 5

It is a pleasure to present the 2012 Napa County Crop Report pursuant to the provisions of Sections 2272 and 2279 of the California Food and Agricultural Code. The Napa County wine grape industry had an exceptional year! The gross value of winegrape production was \$656,236,100 – an increase of \$232,794,200 or almost 55% greater than 2011. This increase in gross value was primarily due to the increase in winegrape production and relatively stable prices paid for the Napa County winegrape crop. The total value of all agricultural production was \$665,298,100.

It is important to note that the figures provided here are gross values and do not represent nor reflect net profit or loss experienced by individual growers or the industry as a whole.

We experienced another milestone with the retirement of Agricultural Biologist Lance Bingham who is highlighted on page 1. We will miss Lance, but wish him well in all his future endeavors!

You may notice some changes in the formatting, layout and general appearance of the 2012 Crop Report. I would like to specifically recognize Chad Godoy and his team (Tracy Cleveland, Anna Norton, Sommer Woolley, Jose Chang, Terry Samansky and many others) and consulting members of industry, Julie Nord, Sara Fowler, Michelle Novi and Sandy Elles for their great ideas and significant contributions to create a more useful and meaningful report for the community. I would be remiss if I did not also express our appreciation to the producers, processors, government agencies and others who contributed vital information to make the report possible.

A handwritten signature in black ink that reads "David R. Whitmer".

David R. Whitmer
Agricultural Commissioner/Sealer

2012 Cover Art Contest

The Crop Report Cover Artwork Contest is sponsored by the Napa County Farm Bureau's Ag in the Classroom (AIRC) program. AIRC provides resources to local teachers to help students gain a greater awareness of the role of agriculture in the economy and society, so that they may become citizens who support wise agricultural policies.

2012 marks the ninth year the Crop Report has highlighted artwork submitted by Napa County middle and high school students who participate in Ag in the Classroom. Winners of the 2012 Artwork Contest receive prize money generously donated by Michael Wolf Vineyard Services and PG&E.

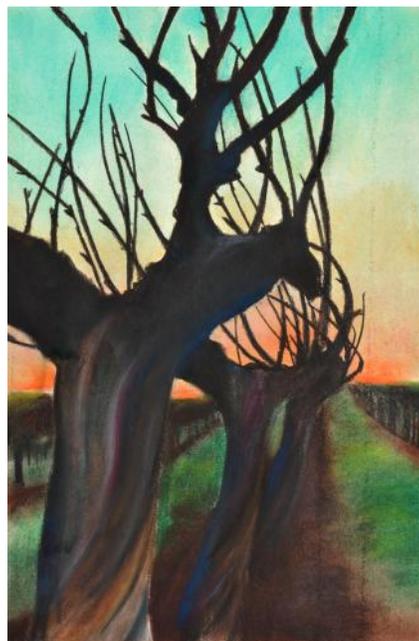
For more information on AIRC please visit www.napafarmbureau.org/aic

Cover Artist: Haley Kastner

Title: "Sleeping Vines"

Medium: Soft Pastel

Haley is a junior attending Vintage High School. Her hobbies include art, swimming, running and reading. Haley placed second in the 2011 Crop Report Artwork Contest.



Second Prize Winner: Trevor Hardee

Title: "Grapes of Fall"

Medium: Photography

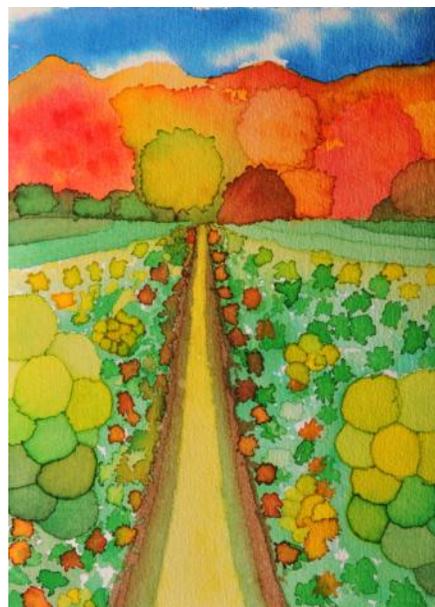
Trevor is a sophomore currently attending New Technology High School. Trevor enjoys road biking, hiking, photography, making art and socializing with his community and friends.

Third Prize Winner: Melanie Gouveia

Title: "Vineyards of the Valley"

Medium: Watercolor

Melanie is a senior currently attending Saint Helena High School. Her hobbies include volleyball, basketball, swimming, running, veterinary science, participating with the FFA and art.



Gross Production Values

FRUIT & NUT CROPS	2012	\$657,064,500
	2011	\$423,625,500
VEGETABLE CROPS	2012	\$228,700
	2011	\$225,000
FLORAL & NURSERY CROPS	2012	\$3,074,100
	2011	\$2,303,400
FIELD CROPS	2012	\$637,800
	2011	\$443,000
LIVESTOCK	2012	\$3,709,500
	2011	\$3,326,200
POULTRY & OTHER ANIMAL PRODUCTS	2012	\$583,500
	2011	\$580,400
GRAND TOTAL	2012	\$665,298,100
	2011	\$430,503,500



Artwork by Juan Calderon, Vintage High School

Please note: The amounts in this report represent estimated gross values, regardless of utilization. No attempt is made to reflect net income to the producer or cost of production. All values are rounded after final calculation.



Artwork by Trevor Hardee, New Technology High School

Fruit and Nut Crops

The value of the 2012 Napa County winegrape harvest increased to over \$656 million, and tonnage jumped over 50 percent to a record of more than 182,000 tons.

Grapes produced in Napa County received the highest average price statewide of \$3,589 per ton, up 5% from 2011. The \$232 million increase in the overall value of 2012 winegrapes can be attributed, for the most part, to record tonnage. Dry, warm days and cool, foggy nights led to ideal winegrape growing conditions in the summer of 2012, making up for the low-yielding harvest of 2011.

Olive growers were very pleased with the 2012 crop. Weather was good during the bloom period. Lower-than-expected fall precipitation resulted in smaller olives.

Crop	Year	Producing Acres	Tons Per Acre	Total Tonnage	Value
Red Winegrapes	2012	32,973	4.01	132,108	\$544,264,500
	2011	33,289	2.86	89,835	\$354,299,900
White Winegrapes	2012	10,234	4.96	50,750	\$111,971,600
	2011	10,292	3.11	32,037	\$69,142,000
Winegrapes Subtotal	2012	43,207	4.23	182,859	\$656,236,100
	2011	43,581	2.77	121,872	\$423,441,900
Olives	2012	191	1.5	287	\$664,700
	2011	200	1.00	200	\$67,500
Other Fruits and Nuts*	2012				\$163,700
	2011				\$116,100
Total Fruits and Nuts	2012				\$657,064,500
	2011				\$423,652,500

*Other fruits and nuts include Almond, Apple, Apricot, Blueberry, Cherry, Citrus, Fig, Nectarine, Peach, Pear, Persimmon, Plum, Pluot, Pomegranate, Prune, Quince, Raspberry, Strawberry and Walnut.



Vegetable Crops

Vegetable production value held steady for 2012. A reduction in overall acreage was balanced by increased yield.

Crop	Year	Harvested Acreage	Value
Vegetables	2012	21	\$228,700
	2011	26	\$225,000

Vegetables include Beets, Broccoli, Carrot, Corn, Cucumber, Eggplant, Garlic, Greens, Herbs, Lettuce, Melon, Onion, Peas, Potato, Pumpkin, Radish, Squash and Tomato



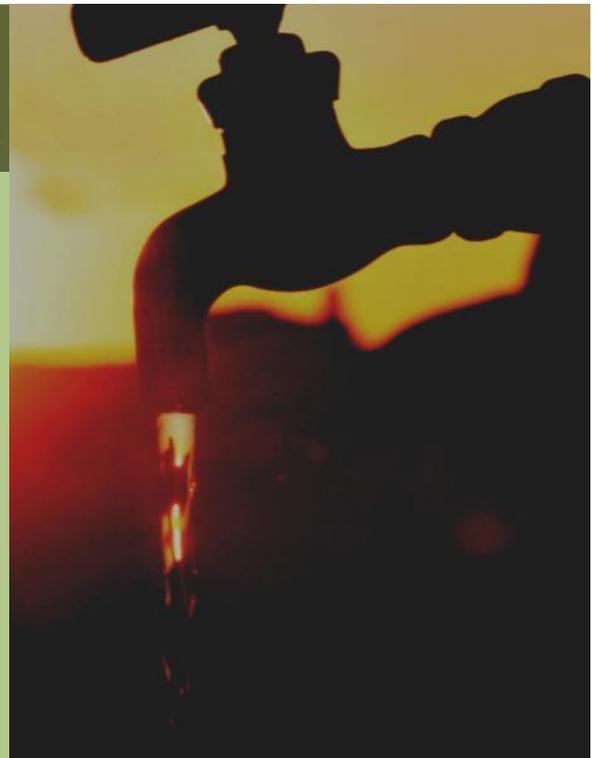
Nursery and Flower Products

High-value commodities produced in Napa County drove the increase in production value of nursery stock and cut flowers.

Crop	Year	Production Area (Square Feet)	Value
Floral & Nursery	2012	850,700	\$3,074,100
	2011	1,038,900	\$2,303,400

2012 Snapshot Environmental Stewardship

- In Napa County, nearly 50,000 acres have been enrolled in the Fish Friendly Farming, a nonprofit local organization program. www.fishfriendlyfarming.org/
- Napa County Farm Bureau assisted growers in the Putah Creek Watershed with their Ag. Waiver water quality compliance program and are now helping ranchers complete the 1st year of their Grazing Waiver Farm Plan requirement. www.napafarmbureau.org/
- Animal and Plant Health Inspection Service (APHIS) recognized the European Grapevine Moth Program in September with its 2012 Administrator's Award for an "exceptional cooperative effort in successfully preventing the establishment of the European Grapevine Moth through science and regulatory-based initiatives, resulting in the protection of the \$5.7 billion grape and tree fruit industry in California."
- In the spring and fall of 2012, Napa County held two pesticide container recycling events. There were a total of 120 participants for both events and roughly 20,200 pounds of plastic containers were recycled in Napa County. www.countyofnapa.org/AgCommissioner/ContainerRecycling/





Field Crops

2012 saw an expansion of hay acreage within Napa County. While yield was slightly less, overall value increased due to a stronger hay market and the expanded acreage. Favorable climate conditions meant rangeland was more productive, thus requiring less supplemental feeding.

Commodity	Year	Production Acreage	Yield Per Acre	Total Tonnage	Price	Value
Hay	2012	624	2.5	1560	\$150	\$234,000
	2011	265	2.9	779	\$145	\$113,000
Pasture & Rangeland	2012	95,000				\$403,800
	2011	95,000				\$330,000
Total Field Crops	2012	95,624				\$637,800
	2011	95,265				\$443,000



Livestock & Poultry

While livestock value decreased in 2012, beef cattle operators said they felt their Napa County operations were generally positive. Favorable market conditions were mainly responsible for the positive outlook.

Commodity	Year	Production (CWT)	Weighted Average Price Per CWT	Value
Cattle and Calves	2012	27,188	\$111	\$3,018,800
	2011	24,988	\$142	\$3,548,300
Sheep and Lambs	2012	560	\$116	\$71,200
	2011	708	\$102	\$72,200
Other Livestock	2012			\$36,000
	2011			\$60,500
Livestock Subtotal	2012			\$3,126,000
	2011			\$3,326,200
Poultry & Other Animal Products	2012			\$583,500
	2011			\$580,400
Total Animal Products	2012			\$3,709,500
	2011			\$3,906,600

CWT is hundredweight and equals 100 lbs.

Weights and Measures

The Agricultural Commissioner is also the County Sealer of Weights and Measures, responsible for verifying the accuracy of all commercial weighing and measuring devices, quantity control of packaged commodities, price verification inspections, weighmaster enforcement, and petroleum products.

Weights and Measures inspectors test all types of scales such as computing, counter, crane, dormant, portable platform, hopper, hanging, livestock, animal, meat beam, jewelry, and vehicle. Measuring devices tested are taximeters, retail motor fuel meters (gas pumps), vehicle meters (propane and petroleum delivery trucks), wire and cordage meters, propane meters, and utility submeters (electric, vapor, water) in mobile home parks/apartments. Packaged products are inspected for stated net contents and labeling requirements and barcode scanners are inspected to ensure accurate product pricing. Weighmaster audits are conducted to verify compliance with applicable laws and regulations. The majority of these are conducted at wineries and vineyard management businesses to assure that the weighmaster certificates are accurate in regards to the transactions of buying and/or selling of grapes or paying pickers. From time to time we also work in conjunction with the Napa County District Attorney's office on more complex cases both locally and statewide.

Weights and Measures activities are mandated by state law to protect the interests of both the buyer and seller to assure honesty and integrity in everyday business transactions. This protection is accomplished through continuous and systematic inspection of all equipment that weighs or measures a commodity that is purchased or sold.

The Weights and Measures programs ensure honesty and integrity in commercial transactions when products are bought and sold by weight, measure, count, or time. Overall, every transaction involving the exchange of goods by weight, measure, count, or time is affected in a vital way by some form of weights and measures.

Our services are your economic protection. For more information about Napa County Weights and Measures please visit www.countyofnapa.org/AgCommissioner/Weights/.



2012 Snapshot Napa County Cooperages

- Napa Valley cooperages (barrel makers) produced more than 50,000 barrels and employed more than 100 people in 2012. Cooperages began to establish production facilities in the Napa Valley in response to the wine market boom of the 1970's.
- Most barrels are built from the finest selections of French, American, Russian or Hungarian Oak species. This wood, chosen for its high porosity, is cut into staves which undergo a 24- to 36-month aging process. Master coopers then use these staves to hand craft and toast barrels.
- The average lifespan of a barrel is five years. During the first two years of use, a barrel imparts the most aromatic compounds to wine. As a barrel ages beyond two years, the aromatic influence reduces drastically. Between two and five years, the average aeration capacity of a barrel diminishes to the point where it needs to be replaced.





Employment

Napa Valley agriculture fosters employment in two ways: directly and indirectly. Direct employment produces agricultural commodities in the fields and vineyards. The fruits of the labor generated by our agricultural workers plays a vital role in sustaining related industries. When grouped together, Napa County agriculture touches many of the lives of our residents and visitors through sustained employment across diverse industries.

Direct

- 6.6% of Napa County works directly in the agriculture industry¹
- Approximately 1 in 20 Napa residents is a farmworker²

Indirect

- Over 46,000 full-time jobs are either directly or indirectly linked to agriculture³
- Napa County agriculture creates over \$2.1 billion in paid wages³
- More than two-thirds of jobs in Napa County are indirectly related to the county's agriculture.²

¹ County of Napa Executive Office Public Information

² California Institute for Rural Studies (March 2007). An assessment of the demand for farmworker housing in Napa county. Retrieved from <http://www.ncfh.org/pdfs/6858.pdf>

³ Stonebridge Research Group, LLC, (November 2012). The economic impact of Napa Valley's Wine and Grapes. Retrieved from: www.napavintners.com

Agriculture in Napa Valley undoubtedly drives a major portion of our local economy. Once off the vines and out of the fields, our agricultural commodities stimulate secondary industries, generating an over \$13 billion impact on the local economy.⁴ Secondary industries link Napa County's agricultural commodities to people's lives, fostering growth, innovation and a thriving local economy.

Major Related Industries

- Wineries and Tasting Rooms
- Hospitality and Food Services
- Cooperages and Cork Manufacturers
- Graphic Artists and Printing Services
- Transporters and Shipping Services
- Warehousing
- Construction
- Processors
- Suppliers of raw materials
- Professional services

⁴ Stonebridge Research Group, LLC, (November 2012). The economic impact of Napa Valley's Wine and Grapes. Retrieved from: www.napavintners.com

Agriculture: Contribute to Napa

Napa County's agriculture industry includes employment, related industries, and preserves and enhances the local economy.

2012 Total Agriculture
 \$665.3 million dollars in
 2012 Winegrape Average
 2012 Winegrape Total Ton

Related Industries





Ag Preserve and Land Trust

The Napa Valley built its reputation by protecting our ability to create quality products and has created and preserved an inviting place to live, work and visit. The beauty of the valley, the quality of the agricultural products we grow and the ability to attract visitors from all over the world while maintaining a small town feel is buoyed by the Napa Valley Ag Preserve and Land Trust of Napa County.

Established in 1968, the Napa Valley Agricultural Preserve helps strike a balance between development, land conservation and agricultural viability. Established in 1976, the Land Trust of Napa County provides land owners the opportunity to preserve their land solely for agricultural or open space purposes.

Connecting a Thriving Valley

is a vital part of a greater system that industries, tourism and the Agricultural and Land Trust.

Value for Napa County:
Gross production value
Price Per Ton: \$3,589
Tonnage Harvested: 182,859

Agriculture Preserve

- Over 38,000 acres protected under the Ag Preserve; No land has ever been removed⁵
- Maintains farmland with urban-centered growth⁵
- Preserves open-space, recreation and natural areas⁵

Land Trust of Napa Valley

- Over 50,000 acres enrolled in the Land Trust⁵
- Forever protects lands from development⁵
- Agricultural quality preserved for generations to come⁵

The county's strong tourism industry relies on the heritage and reputation of the Napa Valley. As a [Great Wine Capital](#) of the world, the Napa Valley attracts tourists with our quality products, unmatched service and a welcoming environment. The range of activities and services offered in Napa exists in large part because of the agriculture and ag-related industries that thrive in this bountiful valley. The balance between agriculture, resultant products and industries, and environmental preservation create a symbiotic relationship with tourism; each piece fostering the other.

Tourism in Napa County

- Produces over \$1.3 billion in economic impact for the County annually⁶
- Tourism spending affects 196 industries⁶
- Tourism dollars spent in Napa County generate \$125 million in tax revenue annually⁶
- Tourism-related industries employ over 17,500 people⁶

⁵ Napa County General Plan (June 2009). Agricultural preservation and land use. Retrieved from www.countyofnapa.org/WorkArea/

⁶ The Napa Valley Destination Council. Retrieved from www.visitnapavalley.com

Tourism

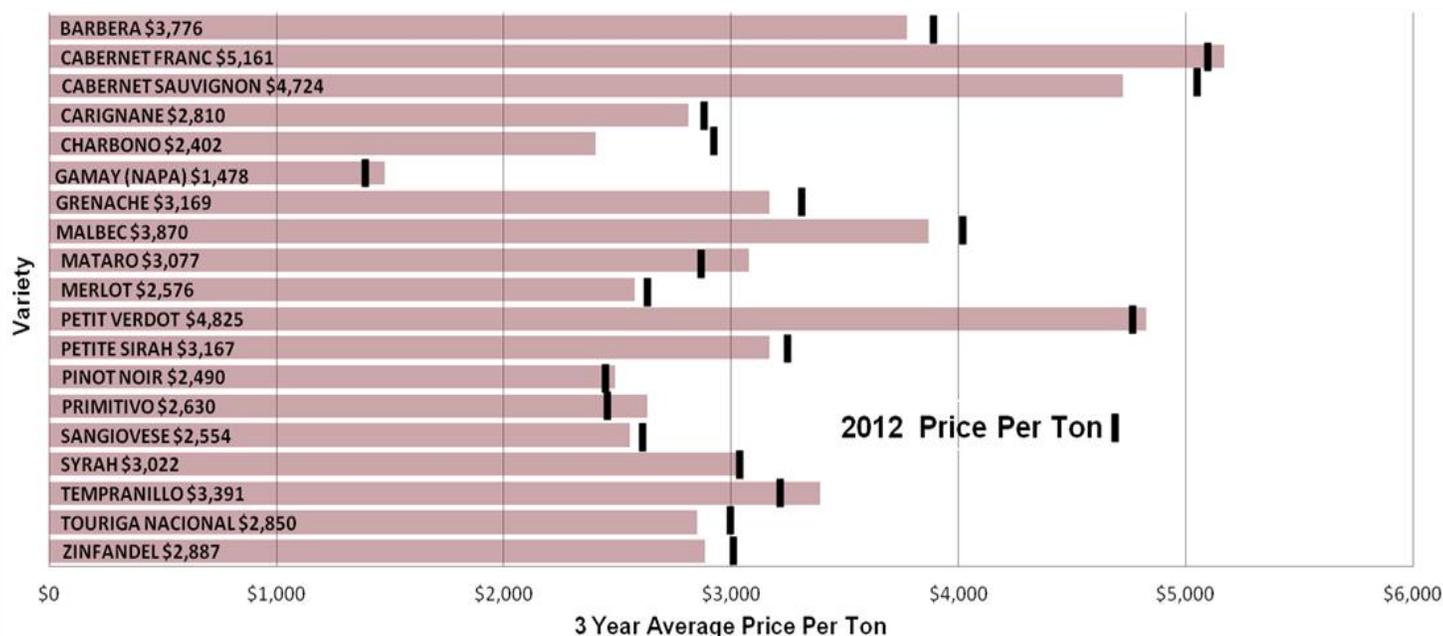


Red Winegrape Varieties

Variety	Bearing Acres	Non-Bearing Acres	Total Acres	Tons	Price Per Ton 2012	Price Per Ton 2011	Price Per Ton 2010
Barbera	10	0	10	47	\$3,903	\$4,794	\$2,631
Cabernet Franc	1,126	47	1,173	4,047	\$5,083	\$5,194	\$5,236
Cabernet Sauvignon	19,079	1,189	20,268	71,470	\$5,060	\$4,660	\$4,453
Cargnane	7	0	7	17	\$2,868	\$2,781	\$2,782
Charbono	43	0	43	136	\$2,910	\$1,852	\$2,444
Gamay/Valdiguie	18	0	18	109	\$1,403	\$1,495	\$1,536
Grenache	32	9	41	218	\$3,325	\$3,155	\$3,026
Malbec	394	37	432	2,391	\$4,016	\$4,066	\$3,529
Mataro/Mourvedre	6	0	6	23	\$2,807	\$3,069	\$3,355
Merlot	5,458	101	5,559	25,327	\$2,649	\$2,560	\$2,518
Petit Verdot	729	53	782	2,895	\$4,769	\$4,786	\$4,919
Petite Sirah	748	50	798	3,489	\$3,292	\$3,153	\$3,056
Pinot Meunier	66	8	74	328	\$1,841	N/A	N/A
Pinot Noir	2,765	106	2,871	12,089	\$2,469	\$2,529	\$2,471
Primitivo	43	5	48	51	\$2,472	\$3,250	\$2,168
Sangioveto/Sangiovese	138	1	139	585	\$2,629	\$2,548	\$2,484
Syrah (French)/Shiraz	840	3	842	2,989	\$3,031	\$3,019	\$3,015
Tempranillo	29	2	30	137	\$3,213	\$3,542	\$3,419
Touriga	17	0	17	59	\$3,000	N/A	\$2,700
Zinfandel	1,372	33	1,405	5,405	\$3,030	\$2,864	\$2,766
Other Reds*	55	13	68	297	\$1,153	\$1,374	\$2,226
Total**	32,973	1,656	34,630	132,108	\$4,120	\$3,944	\$3,782

*Other reds are identified in the USDA National Agricultural Statistics Service website: www.nass.usda.gov/

** Total price values are calculated weighted averages.

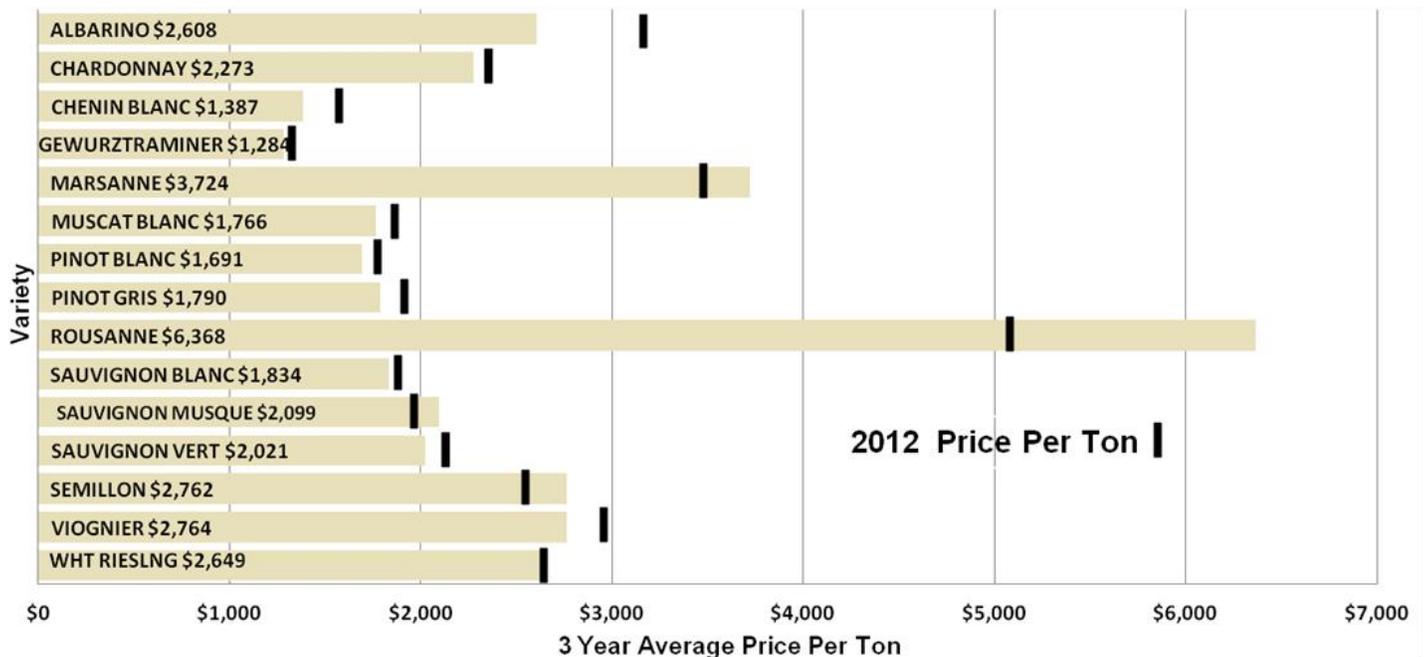


White Winegrape Varieties

Variety	Bearing Acres	Non-Bearing Acres	Total Acres	Tons	Price Per Ton 2012	Price Per Ton 2011	Price Per Ton 2010
Albarino	18	0	18	64	\$3,158	\$2,411	\$2,254
Chardonnay	6,705	198	6,903	31,933	\$2,354	\$2,255	\$2,211
Chenin Blanc	16	0	16	96	\$1,524	\$1,312	\$1,326
Gewurtztraminer	15	0	15	34	\$1,300	\$1,334	\$1,218
Marsanne	10	1	11	55	\$3,480	\$3,815	\$3,878
Muscat Blanc/Canelli	76	5	81	405	\$1,840	\$1,532	\$1,926
Pinot Blanc	10	0	11	60	\$1,737	\$1,673	\$1,663
Pinot Gris/Grigio	204	2	206	997	\$1,896	\$1,846	\$1,627
Roussanne	15	2	16	69	\$5,044	\$7,061	\$7,000
Sauvignon Blanc	2,634	208	2,843	14,806	\$1,861	\$1,831	\$1,810
Sauvignon Musque	108	0	108	348	\$1,983	\$2,241	\$2,074
Semillon	158	17	175	886	\$2,598	\$2,964	\$2,724
Viognier	109	3	112	349	\$2,954	\$2,795	\$2,544
White Reisling	114	0	114	461	\$2,654	\$2,949	\$2,343
Other Whites*	41	1	43	190	\$1,797	\$1,549	\$1,959
Total	10,234	438	10,671	50,750	\$2,206	\$2,158	\$2,096

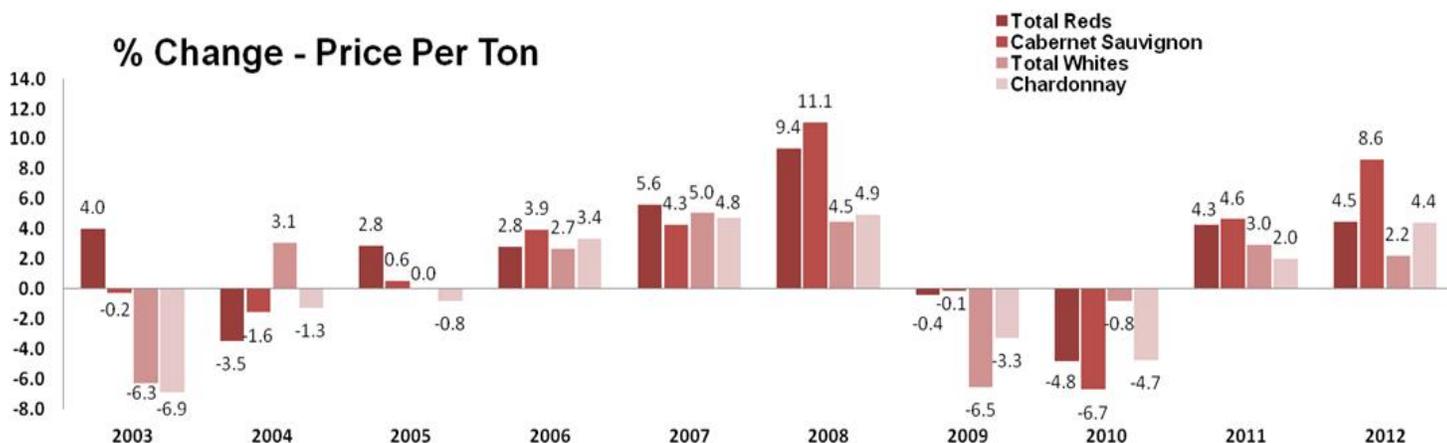
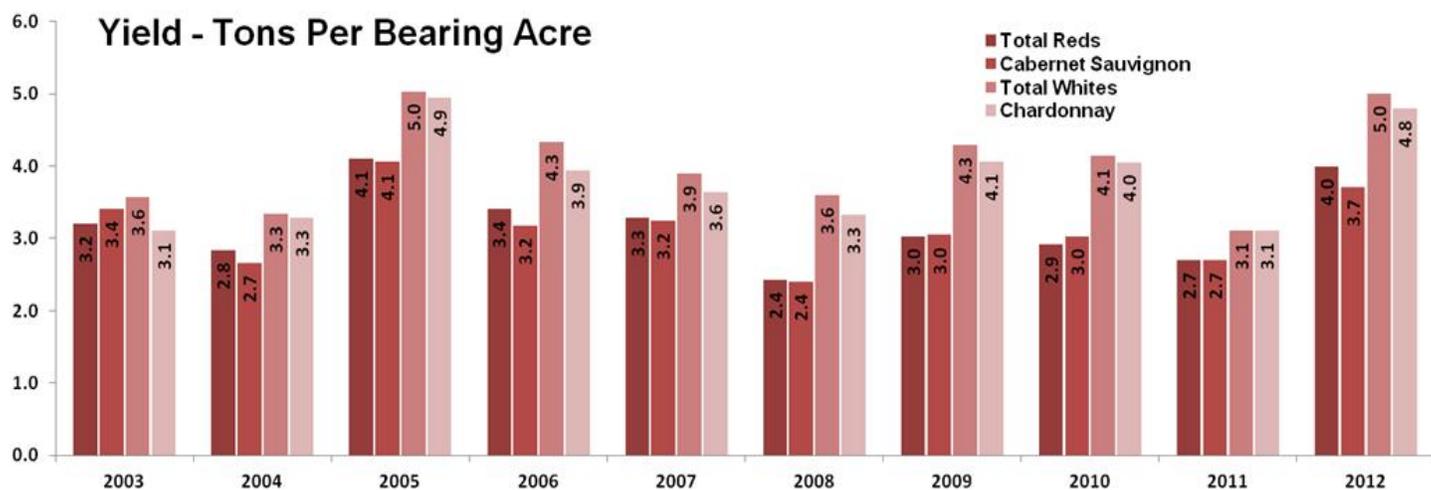
*Other whites are identified in the USDA National Agricultural Statistics Service website: www.nass.usda.gov/

** Total price values are calculated weighted averages.



Ten Year Winegrape Trends

2012 set records with a trend breaking combination of strong pricing paired with record production. The 2012 harvest broke the previous 2005 record for tons of winegrapes produced in Napa County. High demand brought on by grape shortages of 2010 and 2011 drove prices higher as we welcomed the 2012 harvest.



2012 Snapshot Climate and Growing Conditions

UC Davis Land Air and Water Resources Department provided the following overview of the climate in Napa during 2012, using climatologic data from the CIMIS Carneros station.

The 2012 rainy season (Oct. 2011 to May 2012) was dry, with 15.7 inches of rain, only 78% of the normal yearly precipitation (normal precipitation = 20.2 inches per year). Regarding temperature, 2012 was a normal year, with an average temperature of 55.1°F, which is 99% of the normal temperature 55.7°F. Relative humidity (the content of water in the air) for 2012 was also close to normal for the year, with an average relative humidity of 74.3%, which is 97% of the normal average humidity of 76.7%. This analysis uses data records from October 1993 to December 2012.

For more information please visit www.lawr.ucdavis.edu



Continuing Education and Outreach

In 2012, approximately 1,000 people received more than 50 hours of continuing education credits through classes or programs offered by the Napa County Agricultural Commissioner's Office and our industry partners. Credits are offered through a variety of educational and outreach programs tailored to growers, agricultural workers, students and residents of Napa County.

Many of the classes are approved for continuing education credit by the California Department of Pesticide Regulation. These accredited classes help ensure compliance with pesticide use and worker safety laws and regulations. Most classes are offered in both English and Spanish. Those who hold County-issued certificates (Private Applicator Certificate) or State-issued licenses (Qualified Applicator Certificate, Qualified Applicator License, or Pest Control Advisor) can apply these credits to help meet automatic renewal requirements.

In 2012, we offered classes on :

- Headquarter Inspection Process
- CalAgPermits Program
- Licenses and Certificate Types
- Pesticide Training Techniques
- Managing Weeds in Napa County
- Hydrology, Groundwater and Contamination
- Respirator Regulations and Respirator Annual Program Evaluation
- Restricted Material Requirements
- Sulfur Dioxide Compliance and Safety Requirements
- European Grapevine Moth Outreach and Education (Quarantine Compliance and Annual Recap)

In addition to the classes provided at our Soscol Avenue office, the Napa County Agricultural Commissioner's Office

participates in a variety of off-site educational and outreach programs. Many of these classes and outreach opportunities are made possible through ongoing partnerships with and the cooperation of entities such as the University of California Cooperative Extension, Napa County Farm Bureau, Napa Valley Grape Growers Association, Napa Valley Vintners and Napa Valley College.

The Napa County Agricultural Commissioner's Office performs tailored outreach to residents and young students of our community year-round at events such as the Home and Garden Show, Earth Day Celebrations, Viticulture Fair, Ag Day, Town and Country Fair, Chef's Market, and the Napa Farmer's Market. We invite you to stop by at any event to learn more about our office, pest prevention and exclusion efforts, employee safety, and agriculture in the Napa Valley. Sharpie, our resident

Glassy-Winged Sharpshooter mascot is often available for photos and questions.

For more information regarding upcoming continuing education opportunities please visit www.countyofnapa.org/AgCom/ or www.cdpr.ca.gov/license/liccert.htm.



2012 Sustainability Report

Napa Green/Fish Friendly Farming

Developed by local environmental and industry groups, Napa Green Certified Land and Winery are voluntary programs that focus on environmentally sound, sustainable practices that meet and exceed more than 19 local, state and federal land or production 'best practices' and are certified by an independent third party. Napa Valley wineries & growers participate in farm-specific practices tailored to protect and enhance the ecological quality of the region or a production facility program that reduces energy, waste and water for an overall goal of pollution reduction. To date, more than 35 wineries are certified and more than 52,000 acres in Napa County are enrolled in Napa Green Land.

Wineries are certified by the Napa County Department of Environmental Management and Public Works in conjunction with the California Green Business Program. Landowners who enroll and adopt tailor-made farm plans for their site, will be certified by NOAA Fisheries, the Regional Water Quality Control Board, and the Napa County Agriculture Commissioner's office.

For most participants, enrollment in Napa Green is about taking specific actions that will help preserve and protect Napa County lands and resources for future generations.

To learn more or to enroll in Napa Green, please visit www.napagreen.org

Certified Producers

To sell products at a certified market, local producers obtain Certified Producer Certificates issued by their local agricultural authority. Additionally, many certified producers sell products to restaurants, inns, local grocery stores and food shops. In 2012, the Napa Agricultural Commissioner's Office issued over 20 Certified Producer Certificates.

Inspectors for the Napa Ag Commissioner's Office also perform quarterly inspections of the certified farmers markets throughout the county. These inspections verify products available for sale comply with crops listed on the Certified Producer Certificate. For more information on Certified Producer Certificates please visit CDFA's website www.cdfa.ca.gov/is/i & c/cfm.html.

Top Commodities Produced by CPC's

Cut Flowers	Eggs	Honey	Stone Fruit
Greens	Herbs	Pumpkins	Strawberries

Spotlight On Pesticide Regulatory Program

- The Napa County Agricultural Commissioner's Office is responsible for the local implementation of statewide regulatory and service programs set forth by the California [Department of Pesticide Regulation](#).
- The Napa Agriculture Commissioner's Office enforces pesticide laws that encompass protection of people, animals, property and the environment. While encouraging Integrated Pest Management (IPM) principles. The Ag Commissioner's Office performs field and headquarter inspections year-round. We also issue restricted material permits in conjunction with on-site monitoring.
- A recent Napa County Grand Jury report on "Pesticide Use in Napa County" found that the Agricultural Commissioner's Pesticide Use Enforcement program "successfully manages and monitors pesticide use" and "offers effective educational programs for the use and application of pesticides." This same report found a steady and substantial reduction in pesticide use over time in Napa County. For more information on the Napa County Grand Jury report please visit www.napacourt.com/general-info/grand-jury.



Organic

Organic farming practices aim to focus on maintaining ecological system health and balance through promoting biodiversity and soil biology and minimizing pollutants. Organic farming practices exclude the use of synthetic chemicals and genetically modified organisms.

Organic farms which produce more than \$5000 annual sales must be inspected and certified by a third-party agency in order to market their products with an Organic label. Once certified, organic producers register annually with the California Department of Food & Agriculture (CDFA). The Napa Agricultural Commissioner's Office performs inspections on behalf of CDFA for first-time registrants, producers that make less than \$5000 annual sales and spot checks at farmers markets. For more information on organic farming please visit CDFA's website www.cdffa.ca.gov/is/i_c/organic.html.

Crop	Year	# of Organic Farms	Production Acreage
Winegrapes	2012	133	4,032
	2011	149	3,536
Olives	2012	17	45
	2011	20	55
Other Fruits & Vegetables*	2012	16	15
	2011	13	18
Eggs and Honey	2012	2	N/A
	2011	2	N/A
Cut Flowers & Nursery Stock	2012	7	7
	2011	6	8
Total	2012	146**	4,099
	2011	161**	3,617

*OTHER FRUITS AND VEGETABLE INCLUDE:

**SOME FARMS PRODUCE MULTIPLE COMMODITIES

Farmers and Chefs Markets

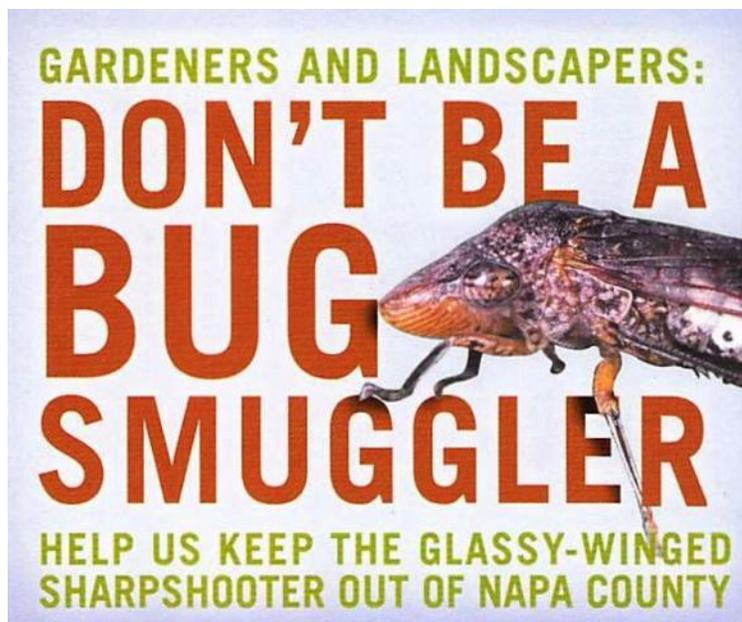
Market	Location	Season	Days Open	Hours
Napa Farmers Market	500 First St	May-October	Tuesday & Saturday	8:00AM—12:30PM
St Helena Farmers Market	Crane Park	May-October	Friday	7:30AM—12:00PM
Calistoga Farmers Market	1235 Washington St	May-March	Saturday	8:30AM—12:00PM
Chef's Market Napa	First St	May—August	Thursday	5:00PM—9:00PM
Farmers Market at Long Meadow Ranch	738 Main St St Helena	November-April	Friday	9:00AM-1:00PM
		May –October	Saturday	9:00AM—1:00PM
			Sunday	11:00AM-3:00PM

2012 Sustainability Report

Exclusion

All incoming plants and other host material originating from known areas of pest or disease infestations are thoroughly inspected to help protect Napa County. The introduction of Glassy-winged Sharpshooter (GWSS), for example, is still a potential threat to the health of grapevines. GWSS can spread *Xylella fastidiosa*, the pathogen which causes the deadly Pierce's Disease.

Out-of-state shipments may contain pests or diseases of economic importance, such as the Gypsy Moth (GM) and Sudden Oak Death (SOD). The state agricultural border stations notify us of incoming shipments. When a shipment arrives, it is inspected for pests, general cleanliness, and compliance with all applicable federal, state, and county regulations.



For more information please visit www.bugspot.org

Pest	# of Inspections
Gypsy Moth (<i>Lymantria dispar</i>)	21
Glassy-Winged Sharpshooter (<i>Homalodisca vitripennis</i>)	2008
Sudden Oak Death (<i>Phytophthora ramorum</i>)	78
Parcel Inspections	3
All Other Incoming Shipments	9

Detection—Survey Program

The survey program monitors populations of plant pests and diseases currently found in Napa County. In 2012, a group of local volunteers supervised by a UC Berkeley Lab conducted a “SOD Blitz,” searching for evidence of *Phytophthora ramorum*, the pathogen that causes the plant disease Sudden Oak Death (SOD). The blitz uncovered 12 new properties confirmed with SOD, bringing the total number of sites in Napa County to 66.

The Vine Mealybug (VMB) survey was expanded in 2012. Traps were placed throughout the county at a higher rate of 25 per square mile in vineyard areas. With this increased density, additional areas of suspected VMB infestations were discovered and are in the process of being verified.

For more information please visit www.countyofnapa.org/AgCommissioner/Pests/.

Pest	New Confirmed Sites in 2012	Total Confirmed Sites
Sudden Oak Death (<i>Phytophthora ramorum</i>)	12	66
Vine Mealybug (<i>Planococcus ficus</i>)	2	95

Pest Detection—Trapping Program

Napa County’s insect trapping program monitors for populations of pests that cause potentially devastating crop, forest, and ornamental plant damage. Traps are placed throughout the county in host plants and high risk areas and are inspected by county staff every two weeks during the trapping season. Suspect insects are sent to the California Department of Food and Agriculture Lab for evaluation.

Pest	# of Traps
European Grapevine Moth	4,721
Glassy-Winged Sharpshooter	1,497
Vine Mealybug	3,735
Western Grapeleaf Skeletonizer	185
Gypsy Moth	181
Light Brown Apple Moth	30
Japanese Beetle	50
Exotic Fruit Flies*	341

*Exotic fruit flies include: Mediterranean Fruit Fly, Melon Fruit Fly, Oriental Fruit Fly, Peach Fruit Fly and Olive Fruit Fly.



Eradication

This was the third consecutive year that Napa County had a reduction in the number of trapped European Grapevine Moths (EGVM). We deployed 4,706 EGVM traps throughout the county and caught a total of 77 moths (75 adults, 2 larvae), all within the first generation.

Growing sites within 500 meters of an EGVM find in 2011 or 2010 benefited from mating disruption made possible by a million-dollar allocation from the USDA, \$368,000 worth of dispensers from California Department of Food and Agriculture (CDFA) and \$300,000 committed by the Ag Commissioner’s Office.

Napa County growers have also contributed many of their own resources: They placed mating disruption dispensers, applied pesticides and incurred more costs due to slack filling of bins, tarping of loads and equipment sanitation. With the help of growers doing properly timed pesticide applications, placing mating disruption in vineyards, ensuring the cleanliness of their equipment and following shipping regulations, we have been very effective in controlling EGVM populations. For more information please visit www.countyofnapa.org/AgCommissioner/EGM.

EGVM Eradication Program Progress

	2010	2011	2012
# of Moths Trapped	100,793	113	77
# Sites	1,309	240	54
Acres Under Mating Disruption	6,278	13,342	23,071
Total Acres Treated At Least Once	21,327	25,680	28,000



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A Commitment to Service

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Department of Agriculture and Weights &
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