

Ohio Grape-Wine Electronic Newsletter

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www.oardc.ohio-state.edu/grapeweb/

28 February 2014 (10)

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Grape Winter Damage – Update 5

By: Imed Dami and Diane Kinney, HCS-OSU

In previous articles published in OGEN, we reported minimum temperatures experienced on January 7 and bud damage in some grape varieties after that event. Since then, temperatures dropped in the single and double digits below 0F four more times! Minimum temperatures experienced at OARDC stations across Ohio are summarized in table 1.

- The research vineyard located at AARS in Kingsville experienced consecutive minimum temperatures of **-3.5F** on Jan 7, **-10.1F** on Jan 28, **-5.7F** on Feb 8, **-14.7F** on Feb 12, and **-14.6F** on Feb 17.
- The research vineyard in Wooster experienced the following temperatures: **-11.3F** on Jan 7, **-12.2F** on Feb 28, **-4.2F** on Feb 7, **-11.7F** on Feb 12, and **-5.4F** on Feb 17.
- Successive low temperatures made things worse in both locations and more so in Kingsville. This scenario has been observed across Ohio based on my communications with several growers at the Ohio Grape & Wine Conference. We summarized updated damage of selected varieties from the two research vineyards in Table 2.
- Note that damage of primary and secondary buds, and canes of vinifera varieties was assessed after the first cold event (-11.3F) on Jan 7; and after -12.2F in hybrids in Wooster. In Kingsville, primary and secondary bud damage was recorded after the first cold event of -13.5F. Cane damage was assessed after -14.7F.
- As expected, vinifera varieties sustained the most bud damage (96-100%) in both locations. There were differences of cane damage among varieties. Also, cane damage was more severe in Kingsville (30-100%) than in Wooster (0-23%) because of lower temperature and multiple exposures in Kingsville.
- Managing vines after winter injury was discussed at a workshop on January 23 in Jefferson (northern Ohio) and then at the Ohio Grape and Wine Conference held on Feb 17-18 in Dublin. If you missed those events or would like to reinforce what you learned, there will be two more opportunities on March 4 and 6 (see announcement below).
- I also encourage you to fill out the “Winter Damage Survey” sent out earlier this month. More information is provided in the section below.
- As always, please do not hesitate to contact me (dami.1@osu.edu) if you have any questions regarding how to assess grape damage and how to prune and manage damaged vines.

Table1. Minimum Air Temperatures in January and February 2014 at the OARDC Research Stations in Ohio.

Region/ County City	Station Name	Min. Air Temp. (°F)	Date	Min. Air Temp. (°F)	Date	Min. Air Temp. (°F)	Date	Min. Air Temp. (°F)	Date	Min. Air Temp. (°F)	Date
<i>North East</i>											
Ashtabula (Kingsville)	Ashtabula Ag. Res. Station	-13.5	1/7/14	-10.1	1/28/14	-5.7	2/8/14	-14.7	2/12/14	-14.6	2/17/14
Lake (Madison)	OARDC - Madison Station	-11.2	1/7/14	-6.8	1/28/14	-5.6	2/6/14	-16.2	2/12/14	-15.4	2/17/14
Lake (Perry)	OARDC - Perry Station	-11.6	1/7/14	-7.5	1/28/14	-1.9	2/7/14	-10.4	2/12/14	-9.3	2/17/14
Wayne (Wooster)	OARDC - Wooster Campus	-11.3	1/7/14	-12.2	1/28/14	-4.2	2/7/14	-11.7	2/12/14	-5.4	2/17/14
<i>North West</i>											
Huron (Willard)	Muck Crops Ag. Res. Station	-12.4	1/6/14	-13.4	1/28/14	-9	2/7/14	-19.3	2/12/14	-12.4	2/17/14
Sandusky(Fremont)	N. Central Ag. Res. Station	-15.2	1/7/14	-13	1/28/14	-9.9	2/7/14	-18.5	2/12/14	-4.3	2/17/14
Wood (Custar)	Northwest Ag. Res. Station	-15.7	1/7/14	13.5	1/28/14	-10.9	2/7/14	-22.6	2/12/14	2.4	2/17/14
Wood(Pemberville)	Pemberville Station	-15.7	1/7/14	-11.2	1/28/14	-9	2/7/14	-18.3	2/12/14	-6.6	2/17/14
<i>South East</i>											
Jackson (Jackson)	Jackson Ag. Res. Station	-6	1/7/14	-13.1	1/29/14	6.1	2/7/14	-7.5	2/12/14	6.8	2/17/14
Noble (Caldwell)	Eastern Ag. Res. Station	-9.3	1/7/14	-18.5	1/28/14	1.9	2/7/14	-5.8	2/12/14	1.4	2/17/14
<i>South West</i>											
Franklin(Columbus)	OARDC - Columbus Campus	-9.6	1/6/14	-15	1/28/14	-6	2/7/14	-5.1	2/12/14	9.7	2/17/14
Clark (Charleston)	Western Ag. Res. Station	-10.7	1/6/14	-15	1/28/14	-9.6	2/7/14	-8.3	2/11/14	7.7	2/17/14
Pike (Piketon)	OSUE-South Centers	-7.7	1/7/14	-15.1	1/29/14	3.2	2/7/14	-10.4	2/12/14	-0.2	2/17/14

Table 2. Bud and Cane Damage of Varieties Grown at the Research Vineyards in Wooster and Kingsville.

	Wooster *			Kingsville **		
	% bud injury		% cane Injury	% bud injury		% cane injury
	primary	secondary		primary	secondary	
<i>Vinifera</i>						
Cabernet franc	100	100	0	100	100	67
Chardonnay	100	99	23	100	100	87
Gamay noir	99	96	10	100	99	77
Pinotage	100	98	3	99	100	100
Pinot gris				100	98	
Regent	100	99	0	97	89	30
Riesling	100	100	10	100	100	
Siegenerbe	100	100	3	100	100	37
Teroldego	100	100	20	100	99	89
<i>Hybrids</i>						
Chambourcin	74					
Frontenac	14		0	9	3	
La Crescent	38	37	0			
MN 1211 'Marquette'	45	43	10			
NY 76 'Aromella'	43	38	0			
NY 95 'Arandell'	34	22	0	56	18	
Traminette	64	60	0	79	71	
<i>American</i>						
Concord				20	5	0

* Vinifera canes collected week of 1/13/14 after lowest temperature of -11.3 °F.

Hybrid canes collected 2/19/14 after lowest temperature of -12.2 °F.

** Canes collected for bud analysis on 1/10/14 after lowest temperature of -13.5 °F.

Canes collected for cane analysis on 2/19/14 after lowest temperature of -14.7 °F.

Two More Upcoming Winter Injury Assessment Workshops: March 4th and March 6th.

By: Diane Kinney, HCS-OSU

There are two (2) remaining opportunities to attend Winter Injury Assessment workshops this coming week. The first, March 4th will be at our OSU South Centers location in Piketon as part of the Ohio Berry Production School. The second will be March 6th on the OARDC/OSU Wooster site. Dr. Imed Dami, State Viticulturist will present up to date findings on this winter injury to Vinifera, French hybrid and American grape varieties.

If you have not yet checked your vineyard for damage, feel free to bring along canes and we will help you learn how to assess bud damage. You will need to bring 10 representative canes from throughout the vineyard. Only the first 10 buds per cane will be assessed so you can trim the canes down and bundle them for each variety. It would be best to cut the canes the day before the workshop then you will want to bring them inside overnight.

March 4, 2014, 1-3 pm to be held at:

OSUE-South Centers
1864 Shyville Rd
Piketon, OH 45661

This will be combined with the Small Fruit Production Workshop and will cover “Assessing and Managing Grapevines after Winter Injury” followed by hands-on demonstration on how to assess bud damage.

There is a charge for this event. Please contact Charrisa McGlothlin at (740)289-2071 ext 132 or by email at mcglothlin.4@osu.edu

March 6, 2014, 1-3 pm to be held at:

OARDC-Shisler Center
1680 Madison Avenue
Wooster, OH 44691

There will be presentation on “Assessing and Managing Grapevines after Winter Injury” followed by hands-on demonstration on how to assess bud damage.

This workshop is FREE, but please pre-register with Diane Kinney at (330)263-3814 or by email at kinney.63@osu.edu

Winter Damage Survey: Announcement Reminder

By: Imed Dami, HCS-OSU

On February 12, 2104, I sent out an announcement to OGEN subscribers with a link to an online survey about the winter damage to grapes. I thank all who responded. You should have received email reminders on February 20 and 27 if you did not respond. Per request of some growers we have extended the deadline of the survey to March 10 to provide opportunities for those who would like to complete the survey after learning how to assess damage at the workshops announced above.

The basic information we are requesting: “If you’re not a grape producer, we are asking your opinions about the research and workshops we can provide to manage damaged vines. In addition, if you are a producer, we are asking about estimated winter damage to your vineyard (% loss, grape value loss, wine value loss, and number of years to recover) divided into American, Hybrid, Vinifera, and Table varieties.

The information gathered from the survey will help us better estimate crop loss across Ohio, develop research and outreach strategies to assist you, and timely communication of objective data to state and federal agencies in case it is needed for assistance or disaster relief programs. The more surveys completed, the better to make a case for assistance. So far, only about 20% of survey recipients completed the questionnaire. We appreciate your time and effort to help us help you. Thank you very much for your input and cooperation.

The 2014 Ohio Grape and Wine Conference Summary

by Dave Scurlock, OSU/OARDC Viticulture Outreach Specialist

If you blinked you just missed the 2014 Ohio Grape and Wine Conference. First item of business I really want to thank the whole 2014 Ohio Grape and Wine Conference Team of Christy Eckstein, Executive Director of Ohio Grape Industry Program and her people, Todd Steiner, State Enologist and Patrick Pierquet, Cellar Master, Dr. Mike Ellis, State Plant Pathologist, Dr. Imed Dami, State Viticulturist, Diane Kinney, Grape Lab and Vineyard Manager, Dr. Gary Gao, OSU Extension Horticulturist, Associate Professor and Small Fruit Specialist, Greg Johns, Branch Manager Ashtabula Agricultural Research Station and Donniella Winchell, Executive Director of the Ohio Wine Producers Association. Many months of planning and agonizing over details began on August 15, 2013. I would like to Thank Crystal Culp and the staff of The Crowne Plaza for another exceptional showing. Thank you to all the attendees, the Department of Liquor Control, TTB, staff of FSA and all the Vendors. It really takes a village!

Monday Featured Speakers

I would like to express a “**Special Thank You**” to all the featured speakers for their presentations and willingness to travel hundreds of miles to come and contribute their knowledge to benefit our growers and wine producers.



Dr. Tony Wolf

Dr. Tony Wolf, Professor of Viticulture and Director of Virginia Tech’s AHS Agricultural Research and Extension Center in Winchester, Virginia. Dr. Wolf spoke in our Viticulture and Enology Workshop on Monday morning which was focused primarily around the SCRI Grape Variety Trials, planted in 30 locations around the United States from the East coast to the West coast. These trials do not all have the same varieties planted but they do have a core group of varieties that can be compared across the country. Similar components of growth, quality, yields and cold hardiness will be assessed and compared across the plantings to define the limitations of these varieties and their attributes depending on location. Dr. Wolf presented his research on Rootstock, Root Restriction and Intra- Row Cover Crop Effects on Regulation of Cabernet Sauvignon Vigor and Vine Size. Dr. Wolf went in to more detail on his research on the

following day in the concurrent sessions through his presentation on the "Effects of Vine Size Regulating Treatments on Crop Yield, Fruit Chemistry and Wine Characteristics".



Peter Sforza, Director of the Virginia Tech Center for Geospatial Information Technology

Peter Sforza, is the Director of the Blacksburg office of the Virginia Tech Center for Geospatial Information Technology. Peter is responsible for performing management and technical functions for the Center for Geospatial Information Technology (CGIT) as the lead faculty member overseeing the Blacksburg campus research center. Previously Peter was a Geospatial Intelligence Analyst at CACI International Inc. Peter previously used Geospatial Information Technology in integrated pest management, epidemiology and biosecurity. Peter is also involved with the SCRI Grape Variety Trials and presented his talk on the "Web-Based GIS Tool for Vineyard Site Evaluation". Through the use of the global information system Peter is able to create layers and layers of data for a particular site which contains information on weather as well as soil types and topography to help determine the suitability of a site before an on-site visit is initiated. Sites can ruled out or determined to require further investigation through an on-site evaluation to further define the area in question.



Dr. Imed Dami

Todd Steiner

OSU's own Dr. Imed Dami, State Viticulturist and Todd Steiner, State Enologist shared the stage in the morning in presenting information on variety evaluations and recommendations

complemented by enological characteristics of 4 selected varieties through a wine tasting of Sauvignon blanc, Malvasia bianca, Syrah and Teroldego. These varieties have been consistent in the vineyard and in the cellar. It is through these trials of varieties and their cultural attributes and survivability and then their enological attributes through several seasons that researchers then feel confident to recommend these varieties to growers and wine producers. This winter of 2013-2014 is the first real test winter since 2009 (-16°F , although conditions were different preceding the freeze event) when some of these varieties first started producing a crop big enough to vinify. Most of the varieties in this trial have suffered tremendous primary bud damage due to the near 50°F temperatures on January 4 and 5 prior to the Polar Vortex that brought temperatures down to around -13°F to -15°F in the Wooster Vinifera Variety Trial. Data is being collected on the effects of this winter and information will be relayed to the growers. The wines from these four varieties were just stellar! I heard terrific comments about the Sauvignon blanc, the aromatics of the Malvasia Bianca, the rich bacon fat characteristics of the Syrah and the tremendously deep red color and flavors from the Teroldego wines. Ohio can and does produce some really nice grapes and wines!



L-R, Sauvignon blanc, Malvasia Bianca, Syrah and Teroldego



L-R, SCRI Vinifera Variety Trial Wine Tasting



J L Groux

Jean-Laurent "J-L" Groux, was raised in the famous French wine-producing region of the Loire Valley. JL was drawn by the allure of the natural grape climate of the Niagara Peninsula and intrigued by how different it was from the vineyards in the Loire Valley of his youth. He recognized an opportunity to develop his own particular art form of wine making and joined the Hillebrand Estates Winery in 1989. In 2004, JL became the Head of Winemaking and Viticulture at the Innovative and LEED certified Stratus Vineyards in Niagara-on-the-Lake where the wines have set the highest standards for quality and continue to impress both critics and consumers alike. JL's presentation was "Merging New World and Old World Winemaking to Create Synergies at Stratus". JL has presented at previous Ohio Grape and Wine Conferences and it is by popular demand and interest that we were pleased to have him back.



Dr. Mike Ellis

The afternoon presentations began with Mike Ellis speaking on "Grape Disease Management: Past, Present and Future". Mike will be retiring at the end of September 2014 and we asked him to give his perspectives on Disease Control. Mike has always been a dedicated Research and Extension person and the growers' Best Friend. If Mike says it, you can believe it and if you don't do it.....well that's on you. *quote is my interpretation. I have, and hundreds of

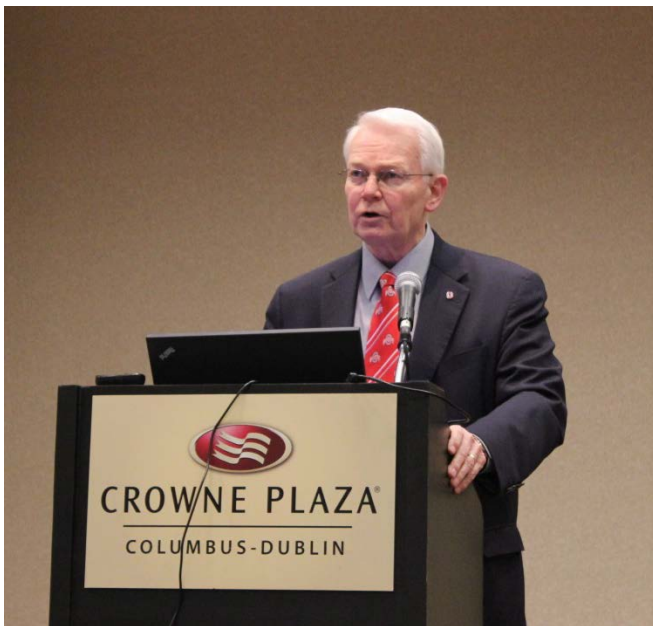
growers and professional colleagues and graduate students have, benefitted from the knowledge and just plain morale values of do the best you can for as long as you can for the betterment of the whole. Mike has updated his entire recommendations for disease control and put them on his website for growers to benefit from long after he has retired. Thank you for your 35 plus years of service to the Grape and Wine Growers of Ohio and beyond! NOTE: I will add the address for Mike's Website in another OGEN issue next week along with a Grape Disease Note from Mike.



Pam Stotz



Paul & Donna Roberts and Lee Klingshirn



Dr. Stephen A. Slack, Director of The Ohio State University Ohio Agricultural and Development Center in Wooster, Ohio delivered the Welcoming Remarks to open up the 41st Ohio Grape and Wine Conference. This is one of the country's longest running grape and wine conferences. There has been a real partnership between The Ohio Agricultural Research and Development, The Ohio State University, The Department of Agriculture and the grape growers and wine producers of the State of Ohio and it has been a real stimulus to the Ohio economy.

□ Ohio's wine industry in 2012 was the 7th largest in the eastern United States and is known nationally and internationally for excellence

□ Ohio's nearly 200 wineries tend to over 1,900 acres of grapes that produce more than 1

million gallons of wine each year.

- Ohio's Grapes and Wines generate more than \$580 million in economic activity
- Ohio's Grape and Wine Industry employs more than 4100 people providing a payroll of \$124.2 million

The afternoon continued by a presentation titled "A Review and Update on The Ohio Quality Wine Program" from Todd Steiner, OSU State Enologist. The Ohio Quality Wine Program has been in the works since 2007 and wines that are submitted to it and receive a silver medal score or better qualify for the Quality Seal. Some stipulations are that the quality wine must be made from at least 90% Ohio Grown Grapes and you must have at least 50 cases on hand for sale. The amount of case requirements is lower for Ice Wines for participation in the Ohio Quality Wine Seal program. All wines are analyzed to ensure that quality and chemical requirements are in compliance. When you purchase a wine from a retailer/wholesaler with an OQW Seal on it you can rest assured that the wine inside is a high quality wine and a great representative of that particular variety.



Donniella Winchell, Executive Director for the Ohio Wine Producers Association gave a presentation on "Delivering on a Brand Promise". Christy Eckstein, Executive Director for the Ohio Grape Industry Program ended the Monday sessions with a state of the Ohio Wine Industry. Growth has doubled in the past 10 years and there are now 197 wineries with permits and 15 winery permits in the works.

2014 Ohio Grape and Wine Conference Banquet Collage



Donnie Winchell, Dr. Mike Ellis and OARDC Director Stephen Slack



ODA Director David Daniels delivering the 2014 OGWC Banquet Address



Dr. Tony Wolf & Dr. Imed Dami at the 2014 OGWC Reception



OSU Tom Todaro, Diane Kinney & Abby Gerdes



Jack Keegan and Andy Troutman, 2014 OGWC Reception



Art Pietryczek and Todd Steiner



OSU PhD Candidate Lisa Robbins and Mike Kinney



OSU Research Assistant Ryan Slaughter & Dr. Gary Gao at the 2014 OGWC Banquet



L-R, OSU Abby Gerdes, Diane Kinney, Dave Scurlock & Shouxin Li



2014 OGWC Reception

Tuesday morning Grape Grower Breakfast



Dr. Tony Wolf, Steve Smith, Greg Johns, Mike Ellis, Ryan Slaughter & Dave Scurlock *not pictured (taking picture)

Tuesday Winemakers Session



Cornell University's Dr. Gavin Sacks

Dr. Gavin Sacks is a Chemist in the Food Science Department at Cornell University. His current research is in the area of identifying key flavor compounds or their precursors in cool climate grapes and wines. He is researching how production conditions affect these compounds and he is developing new methods for their measurements. Dr. Gavin Sacks presentation on Tuesday was "Sulfur Dioxide Measurements in the Winery-The How, The Why and The Ugly Truth Behind Most Analyses".



Winemakers/grape growers Lou Nebel, Greg Polman, Paul and Donna Roberts



JL Groux, Head of Winemaking and Viticulture at the Innovative and LEED certified Stratus Vineyards in Niagara-on-the-Lake is delivering his presentation on “Out of the Beaten Path, Wine-Growing and Production in the North East” which also included a wine tasting.



Maggie McBride

Maggie McBride, Laboratory Manager for Scott Laboratories, presented “How to Successfully Fine and Stabilize Wine”. Maggie came from Lambert Bridge Labs to Scott Labs and has had extensive experience at both Beringer and the Sonoma Wine Companies. Maggie brings a broad and diverse knowledge of wine chemistry and winemaking techniques to the table. Part of Maggie’s services for Scott Labs and the wine industry is analysis for specific winemaking scenarios such as stuck fermentation, nightmare filtrations and specialized fining needs



OSU PhD Candidate working on Aromatics in Wine Lisa Robins and Cornell University Dr. Gavin Sacks

Tuesday Grower Session

There were several presentations in the grower sessions on Tuesday that qualified as recertification credits toward your pesticide license. This is an added benefit that is incorporated into your registration cost at no additional expense. These talks are crop specific unlike many pesticide recertification classes that you may have attended at other venues. We try to offer core credits every other year because you only need an hour of core credit in the 3 year period. We hope you take advantage of this extra benefit in the future. We would like to thank Dr. Mike Ellis for taking responsibility to file in advance for these credits and for monitoring the sessions to distribute the session numbers and paper filing to the Ohio Department of Agriculture-Division of Plant Registry.



Dr. Tony Wolf, presenting “Effects of Vine Size Regulating Treatments on Crop Yield, Fruit Chemistry and Wine Characteristics” in the Tuesday Grape Grower Session.



Growers Session



Steve Smith, Director of Agriculture at Red Gold, Inc. Steve presented on the “New Emerging Threat to Specialty Crop Production: The Widespread Use of Dicamba”. Steve proposed communication with your neighbor to help reduce herbicide injury to off target crops such as Tomatoes and Grapes. Steve was very supportive of Dow Chemical and the efforts that they are making to ensure the reduction of herbicide drift through their special awareness programs.



Francisco Espinoza, is the Program Coordinator for the Ag & Hort Labor Education Program at The Ohio State University. Francisco’s presentation was “Labor Issues-Recruiting and Retaining Migrant Labor”. Francisco gave a lot of good information concerning labor issues. If you would like to contact Francisco, you can do so at espinoza.9@osu.edu



OSU Weed Scientist Dr. Doug Doohan, delivered his presentation on “Vineyard Herbicide Management Update”. For any Weed Control issues please contact Doug at doohan.1@osu.edu



OSU Dr. Gary Gao, presented on “Vineyard Soil and Plant Nutrition” in the grower session. For any nutrition recommendations, contact Gary at Gao.1@osu.edu



OSU Dr. Imed Dami, changed his original presentation on “Best Viticultural Practices: Research Update” to respond to the current winter injury situation that we are facing. Imed’s title for his presentation was “Assessing and Managing Grapevines after Winter Injury”. Dr. Dami and his entire group cut thousands of buds right up to the point of his presentation to bring you the most recent and up to date effects of winter injury to Vinifera, French hybrids, Minnesota and American grape varieties. Please contact Imed at dami.1@osu.edu for any winter injury information.



OSU Plant Pathologist, Dr. Mike Ellis presenting on “Grape Disease Management Update” to the grower session on Tuesday. Contact Mike at ellis.7@osu.edu



OSU Entomologist, Dr. Celeste Welty, presenting to the Tuesday grower session. Celeste's talk was titled "Grape Insect Management Update". Celeste works with all the fruit crops and is really concerned about the new invasive insects we now have in Ohio. She is especially concerned with the Brown Marmorated Stink Bug. For more information on insects, trapping and identity contact Celeste at welty.1@osu.edu



Jeane Oakes, Rodney Latham & Sam Fagnilli



Tony Kosicek & Lee Klingshirn again

Exhibitors at the 2014 Ohio Grape and Wine Conference



Patrick Pierquet, OSU Cellar Master and Jim Brandeberry. Patrick was in charge of the Exhibitors at the 2014 OGWC.



Ellie Harkness, representing Lallemand



Ercel and Theresa Mullins of Vintners Global and General Conference Sponsor Global and General Conference



South Wing of the Exhibitor Hallway



RFME Insurance



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H & W Equipment, Lunch Sponsor



Misco Refractometers-Kathy & Hallie



Lakeview Vineyard Equipment-Luke



Saxco International-Anita



Criveller Company



Green Hoe

My sincere apologies for those exhibitors not pictured.

Astra Pouch

Boehm Label

Double A Vineyards

FMD Architects

Franchise Insurance

George Ackerman Company

Scott Labs

Stanpac Corporation

Superior Wind Machine

Kent State/VESTA

Thanks to all who participated in the 2014 Ohio Grape and Wine Conference and we hope to see you back again next year!

Know Your OSU Grape & Wine Research & Outreach Specialist

By Imed Dami, HCS-OARDC

Many of the OGEN subscribers are new producers and are not familiar with OSU Specialists who provide expertise and assistance in the field of grape growing and wine making. The information below may be redundant for some readers, but it is good to remind/inform our new producers of the resources available at OSU and will be included in all future issues of OGEN. Please contact the following Research, Extension/Outreach Specialists, and Educators if you have any questions relating to their respective field of expertise.

Name & Address	Contact Information		Area of Expertise & Assistance Provided
	Phone	Email & Website	
Dr. Mike Ellis, Professor Dept. Plant Pathology 224 Selby Hall -- OARDC 1680 Madison Avenue Wooster, OH 44691	330-263-3849	E-mail: ellis.7@osu.edu Website: www.oardc.ohio-state.edu/fruitpathology/organic/grape/index	Grape diseases and control. Recommendation on grape fungicides
Dr. Roger Williams, Professor Dept. Entomology 202 Thorne Hall -- OARDC 1680 Madison Avenue Wooster, OH 44691	330-263-3731	E-mail: williams.14@osu.edu Website: www.oardc.ohio-state.edu/grapeipm/	Grape insects/mites and control. Recommendation on grape insecticides
Dr. Doug Doohan, Professor Dept. Horticulture & Crop Science 205 Gourley Hall – OARDC 1680 Madison Avenue Wooster, OH 44691	330-202-3593	E-mail: doohan.1@osu.edu Website: www.oardc.ohio-state.edu/weedworkshop/default.asp	Vineyard weeds and control. Recommendation on herbicides
Dr. Imed Dami, Associate Professor & Viticulture State Specialist Dept. Horticulture & Crop Science 216 Gourley Hall – OARDC 1680 Madison Avenue Wooster, OH 44691	330-263-3882	E-mail: dami.1@osu.edu Website: oardc.osu.edu/grapeweb/	Viticulture research and statewide extension & outreach programs. Recommendation on variety selection. Imed is the primary research contact of the viticulture program.

	Contact Information		Area of Expertise& Assistance Provided
Name & Address	Phone	Email & Website	
David Scurlock, Viticulture Outreach Specialist 118 Gourley Hall – OARDC 1680 Madison Avenue Wooster, OH 44691	330-263-3825	E-mail: scurlock.2@osu.edu Website: oardc.osu.edu/grapeweb/	Evaluation of site suitability for vineyard establishment and all aspects of grape production practices in northern Ohio. David is the primary extension contact of the viticulture program
Todd Steiner, Enology Program Manager & Outreach Specialist Dept. Horticulture & Crop Science 118 Gourley Hall – OARDC 1680 Madison Avenue Wooster, OH 44691	330-263-3881	E-mail: steiner.4@osu.edu Website: oardc.osu.edu/grapeweb/	Commercial wine production, sensory evaluation, laboratory analysis/setup and winery establishment. Todd is the primary research and extension contact of the enology program
Dr. Gary Gao , Small Fruit Specialist and Associate Professor, OSU South Centers 1864 Shyville Road, Piketon, OH 45661 OSU Campus in Columbus Room 256B, Howlett Hall, 2001 Fyffe Ct Columbus, OH 43201	740-289-2071 ext.123 Fax:740-289-4591	E-mail: gao.2@cfaes.osu.edu Website: http://southcenters.osu.edu/	Viticulture Research and Outreach, VEAP visits in southern Ohio, vineyard management practices, soil fertility and plant nutrition, fruit quality improvement, variety evaluation, table and wine grape production
Greg Johns, Station Manager Ashtabula Agricultural Research Station 2625 South Ridge Road Kingsville, OH 44048	440-224-0273	E-mail: johns.1@osu.edu Website: www.oardc.ohio-state.edu/branches/branchinfo.asp?id=1	Winegrape production in Northeast Ohio, especially <i>vinifera</i> varieties

	Contact Information		Area of Expertise& Assistance Provided
	Name & Address	Phone Email & Website	
David Marisson, County Extension Director, Assistant Professor & Extension Educator, OSU Extension-Ashtabula County 39 Wall Street Jefferson, Ohio 44047	440-576-9008 Ext. 106	E-mail: marrison.2@osu.edu Website: ashtabula.osu.edu	Vineyard and winery economics, estate planning and Extension programs in Northeast Ohio
Dr. Julie Fox, Direct Marketing Specialist 1864 Shyville Road Piketon, Ohio 45661	740-289-2071, ext. 225	Email: fox.264@osu.edu Website: http://directmarketing.osu.edu Ohio MarketMaker: www.ohiomarketmaker.com	Wine and wine grape marketing