

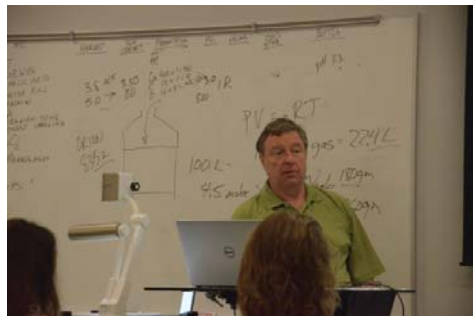
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update

Update  
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Iowa State  
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# Midwest Grape and Wine Industry Institute

*Helping support the state's evolving grape and wine industry because the potential economic opportunities in wineries, value-added agriculture and tourism are limitless.*

## MGWII Hosts Wine Chemistry Workshop



Clark Smith of WineSmith Wines & Consulting teaches wine chemistry.

On June 15-16, 2016, Clark Smith visited Iowa State University where he taught a Fundamentals of Wine Chemistry Workshop held at the Hansen Agriculture Learning Center. Clark Smith began teaching about wine chemistry basics at U.C. Davis in California in 1986 and taught there until 2008. He now owns and operates WineSmith Wines & Consulting.

There were 30 participants from five states (Iowa, Illinois, Minnesota, Missouri, and Wisconsin) who attended the two-day course. The workshop was hosted by the Midwest Grape and Wine Industry Institute and supported by the Northern Grapes Project (The

Northern Grapes Project is funded by the USDA's Specialty Crops Research Initiative Program of the National Institute for Food and Agriculture, Project #2011-51181-30850.) and Iowa State University Extension and Outreach. The overall goal of the Northern Grapes Project (NGP) is to enhance and support growth and development of wineries and vineyards in cold-climate regions of the Midwest and Northeast through trans-disciplinary research and outreach addressing four broad areas:

- 1) Varietal performance and resulting fruit and wine flavor attributes in different climates;
- 2) Applying appropriate viticultural practices to achieve consistent fruit characteristics for winemaking;
- 3) Applying winemaking practices to their unique fruit composition to produce distinctive, high quality wines that consumers like and purchase; and
- 4) Understanding consumer preferences and individual/regional marketing strategies to increase sales and growth of wines made from cold-climate cultivars and sustainable profitability of wineries and vineyards



Workshop attendees listen to Clark Smith speak about wine chemistry basics essential to a greater understanding of winemaking.

Participants learned the basics about things such as TA and pH, as well as sulfur dioxide. Clark then explained molecular interactions which occur to determine the flavor, aroma and color of wine. Other things discussed included interventions a winemaker can make to influence the final wine product.

~  
Clark Smith  
teaches  
Fundamentals  
of Wine  
Chemistry  
Workshop at  
Iowa State  
University on  
June 15-16,  
2016.  
~

## Vineyard Technician Joins Team



It appears an ISU Cyclone is about to touch down at the ISU Horticulture Research Farm where Kenny McCabe (pictured in white) will be working as Vineyard Technician.

A new vineyard technician joined our Midwest Grape and Wine Industry Institute (MGWII) team on June 27, 2016. Kenny McCabe will keep busy tending to the vines planted at the Iowa State University Horticulture Research Station. Kenny says he is excited to switch gears from controlled-environment research and branch out into specialty crops, specifically grapes. He hopes to play a role in refining the production of quality grapes in the state of Iowa and Midwest.

For nine years, Kenny has been actively involved in the horticulture industry and academic research. When he was a senior in high school, he had his first horticulture experience when he enrolled in a Des Moines Area Community College (DMACC) class focused on agriculture production.

This included plants and livestock and he

was also exposed to the principles of botany for the first time. He then enrolled in the Commercial Horticulture program at DMACC and received certificates in greenhouse production and management, fruit and vegetable production, and landscape and turf management. He received his AA degree from DMACC and then got a BS degree in Greenhouse Management from Iowa State University (ISU) in December of 2011.

During his time at Iowa State University, Kenny gained professional experience with an internship at Skagit Gardens in Washington and then a second internship at Swift Greenhouses. He then worked for the ISU Horticulture Department while working towards his Masters degree, his thesis specifically addressing mineral fertilization potential of soy-based bioplastics from container-crop production in the greenhouse setting. Kenny received his MS degree from ISU in December 2015.



Kenny McCabe

"I am thrilled to be a part of the Midwest Grape and Wine Industry Institute and the grape industry in the Midwest and I am looking forward to supporting the expansion of grape production in the region with a focus on fruit quality."  
- Kenny McCabe, ISU Vineyard Technician

Kenny primarily enjoys spending time outdoors and in nature. He is an avid bicyclist, and amateur bicycle mechanic and really enjoys kayaking. Other interests include camping, backpacking, hiking and hunting. In addition, Kenny enjoys a few obscure hobbies like flint-knapping, bow building, the study of primitive skills, and has a decent collection of bonsai trees, including both tropical and deciduous species.

## Drew Continues Iowa Winery Visits

Drew Horton continues his tour of Iowa's wineries. Drew's winemaking knowledge and background means he can provide good sound advice and services to wineries around the state. One service he can provide wineries with is a sanitation check up in which he incorporates such practices as doing an ATP swab measurement of bottling equipment. This is used to confirm the sterility of all wine contact surfaces. Such practices and service can ensure sanitation problems are solved before they even start.



Drew Horton performs an ATP swab measurement for Anne Zwink at Soldier Creek Winery.

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You can find other information about Midwest Grape and Wine Industry Institute on our website:

<http://www.extension.iastate.edu/wine/>



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