Pest Management Symposium:
Impacts in the Vineyard and Winery

36th Annual Conference
July 11-14, 2011
Sheraton Baltimore North
Baltimore, Maryland

http://www.asev-es.org/

CONFERENCE PROGRAM
Conference Schedule Overview

Sunday, July 10, 2011
ASEV-ES Preconference Board Meeting  7:00-9:00 pm
Cole Board Room

Monday, July 11, 2011
Conference Registration  7:00-8:00 am & 6:00-8:00 pm
Fitzgerald West Foyer
Maryland Wineries & Vineyards Tour  8:00 am-9:00 pm
Meet in Fitzgerald West Foyer at 7:45 am

Tuesday, July 12, 2011
Conference Registration  7:00 am-5:00 pm
Continental Breakfast  7:00-8:15 am
Fitzgerald Foyer
Pest Management Symposium  8:15 am-4:00 pm
Fitzgerald Ballroom A & B
Lunch  12:00-1:30 pm
Warfield’s Ballroom
Oenolympics & Grazing Dinner  5:30-8:00 pm
Warfield’s Ballroom
Hospitality Suite  8:00 pm
Lindsay Room

Wednesday, July 13, 2011
Conference Registration  7:30 am-5:00 pm
Continental Breakfast  7:30-8:20 am
Fitzgerald Foyer
Student Paper Competition  8:20 am-12:30 pm
Fitzgerald Ballroom A & B
Lunch on Your Own  12:30-1:30 pm
ASEV-ES Business Meeting  1:30-2:30 pm
Fitzgerald Ballroom A & B
Technical Sessions  2:30-4:30 pm
Fitzgerald Ballroom A & B
Sparkling Wine Reception and Banquet  5:30-9:30 pm
Warfield’s Ballroom
Hospitality Suite  9:30 pm
Lindsay Room

Thursday, July 14, 2011
Conference Registration  7:00 am-1:00 pm
Continental Breakfast  7:30-8:30 am
Fitzgerald Foyer
Technical Sessions  8:30 am-12:45 pm
Fitzgerald Ballroom A & B
ASEV-ES Post-Conference Board Meeting  3:00-5:00 pm
Cole Board Room
Tuesday, July 12, 2011

Pest Management Symposium: Impacts in the Vineyard and Winery

Co-chairman: Joe Fiola, University of Maryland & Hans Walter-Peterson, Cornell Cooperative Extension

Welcome Joe Fiola, University of Maryland 8:15 am

Virus and Mycoplasma 8:30-10:00 am
Bob Davis, USDA-ARS
Grapevine Yellows (GY): A Many Faceted and Growing Problem
The Economics of Grapevine Leafroll Disease: Case Studies from the Finger Lakes
Shadi Atallah, Cornell University
Progress Report on the National Clean Plant Network for Grapes
Keith Striegler, University of Missouri

Break 10:00 am

Diseases 10:30 am-12:00 pm
Managing Late Season Fruit Rots
Turner Sutton, North Carolina State University
Practical Considerations for Ecological Vineyard Management
Alice Wise, Cornell Cooperative Extension
Late Season Sulfur Sprays and Measuring Residue in Must
Gavin Sacks, Cornell University

Lunch 12:00-1:30 pm

Insects 1:30-3:00 pm
BMSB-History, Background and Threat
Tracy Leskey, USDA-ARS
BMSB-Threat to Grapes/Potential Tainting of Juice and Wine
Joe Fiola, University of Maryland

Break 3:00-3:30 pm

Weeds 3:30-4:00 pm
2,4,D and Roundup Ready Crops: Potential Interactions with Vineyards
Douglas Doohan, Ohio State University

The Doctor Is In: The “Grape Doctor” Diagnosis Tool for eXtension
Fritz Westover, Texas A&M University

Adjourn 4:30 pm

Oenolympics & Grazing Dinner 5:30-8:00 pm
Hospitality Suite 8:00 pm
Wednesday, July 13, 2011

Student Paper Competition Oral Sessions 8:20 am-12:30 pm

Defining Sustainable Vine Balance of Cabernet Franc in Southern Illinois
Alexandra L. Ray and Bradley Taylor 8:20 am

Effects of Early Season Leaf Removal on Fruit Quality and Crop Load in Chambourcin and Cabernet Franc Grapevines
Patricia Chalfant and Imed Dami 8:40 am

Effect of Under-Vine Cover Cropping on Vine and Vineyard Floor Response in Northern and Southern Illinois
Daniel W. Becker, Stuart A. Walters, and Bradley H. Taylor 9:00 am

Influence of Vine Capacity and Water Status on Wine Quality Attributes of Cabernet Sauvignon
Cain Hickey and Tony K. Wolf 9:20 am

A Novel MEMS-based Microfluidic Water Potential Sensor for Monitoring of Water Stress in Grapevines and Soils
Vinay Pagay, Alan N. Lakso, and Abraham D. Stroock 9:40 am

Break 10:00 am

Cluster Thinning Affects Fruit Composition and Economic Sustainability of Riesling
Trent Preszler and Justine E. Vanden Heuvel 10:20 am

Exogenous ABA and its Impact on Vine Physiology and Grape Composition of Vitis vinifera L. cv. Cabernet Sauvignon in Wet and Cool Seasons
Gabriel Balint and Andrew Reynolds 10:40 am

Effects of Exogenous Abscisic Acid on Fruit Quality, Dormancy, and Cold Hardiness of Cabernet Franc and Chambourcin Grapevines
Yi Zhang and Imed Dami 11:00 am

The Terroir of Winter Hardiness: Assessing Spatial Variability of Winter Hardiness and Yield in Niagara Riesling and Cabernet Franc Vineyards Using Geomatic Technologies
Mary Jasinski, Andrew Reynolds, and Fred DiProfio 11:20 am

Predicting Harvest Concentration of Yeast Assimilable Nitrogen in Finger Lakes Riesling
Mark Nisbet, Anna Katharine Mansfield, Tim Martinson, and Lailiang Cheng 11:40 am

Ladybug Taint in Wine: Review and New Results on Origin and Prevention
Andreea Botezatu, Debbie Inglis, G. Kotseridis, Rebecca Hallett, Wendy McFadden-Smith, and Gary Pickering 12:00 pm
Lunch                12:30-1:30 pm

ASEV-ES Annual Business Meeting      1:30-2:30 pm

Technical Program      2:30-4:30 pm

Impact of Canopy/Cropload Management Practices on Yield, Fruit Composition, Wine Quality, and Consumer Willingness-to-Pay for Wines     2:30 pm
Justine E. Vanden Heuvel, Gavin L. Sacks, Jim M. Meyers, Timothy E. Martinson, Todd M. Schmit, and Anna Katharine Mansfield

Fruit Zone Light Response Curves for Organoleptic Compounds in Riesling     3:00 pm
James M. Meyers, Gavin L. Sacks, and Justine E. Vanden Heuvel

Designing Sensory-based Viticulture and Enology Studies in Academic and Commercial Facilities     3:30 pm
Renee T. Threlfall

Characterization of Odor-Active Compounds in Grapes and Wines Produced from Non-vinifera Species Important to Grape Breeding     4:00 pm
Qun Sun¹, Matthew J. Gates, Edward H. Lavin, Terry E. Acree, and Gavin L. Sacks

Adjourn     4:30 pm

Sparkling Wine Reception     5:30-6:30 pm

ASEV-ES Banquet     6:30-9:30 pm

Hospital Suite     9:30 pm
Thursday, July 14, 2011

Technical Program 8:30 am-12:45 pm

Dow AgroSciences Stewardship Program For the Enlist™ Weed Control System 8:30 am
Brian D. Olson and Mark A. Peterson

Root Pruning and Cover Crops Influence Berry Composition 9:00 am
Gill Giese, Molly Kelly, Ciro Velasco, Lucas Roberts, and Tony Wolf

Cover Crop, Rootstock and Root Restriction Effects on Cabernet Sauvignon Dormant Bud Cold Hardiness 9:30 am
Tony K. Wolf

Break - View Posters 10:00 am

Tools to Alter Vine Vegetative Growth and Influence Components of Yield and Fruit/Wine Characteristics 10:45 pm
Tremain A. Hatch, Cain C. Hickey, Bruce W. Zoecklein, Tony K. Wolf

Development of an Interactive Online Decision Support System for Vineyard Site Evaluation and Selection in NY State 11:15 am
Alan N. Lakso, Nate Krause, Tim Martinson, Olga Shaposhnikova, Richard Piccioni, and Art DeGaetano

Climate-Viticulture Characterizations of Eastern United States - A New Climate Index, the Modified-GSTavg 11:45 am
Rosalyn MacCracken

Adjourn 12:15 pm

Posters

Assessment of Yeast Nutrient Supplements, Residual Nitrogen in Wine, and Amino Acid Profile in Hybrid Varieties 8:30 am
Amanda C. Stewart and Christian E. Butzke

Interactive Effects of Training System and Pruning Severity on Vegetative Growth, Fruit Composition, and Yield of ‘Corot Noir’ Grapevines 9:00 am
Eli A. Bergmeier and R. Keith Striegler

Rootstock Influence on Vine Performance and Fruit Quality of Red Bordeaux Cultivars in Connecticut 9:30 am
William R. Nail
Chairman: Imed Dami (Ohio State University)
Chair-Elect: Hans Walter-Peterson (Cornell Cooperative Extension)
Past Chair: Keith Streigler (University of Missouri)
Secretary: Bill Nail (Connecticut Ag. Expt. Station)
Treasurer: Matt Doyle (DoyleVineyard Mgmt. LLC)
Section Rep: Andrew Reynolds (Brock University)
Administrative Assistant: Ellie Butz (Vintage Winery Consultants)
Program Design: Renee Threlfall (University of Arkansas)

Directors
Lisa Smiley (Cold Climates Grapes)
Anna Katharine Mansfield (Cornell University)
Kevin Ker (KCMS Applied Research and Consulting)
Peter Bell (Fox Run Vineyards, NY)
Todd Steiner (Ohio State University)
Fritz Westover (Texas AgriLife Extension)