



## **MFGA Annual Meeting**

Thursday, January 10, 2019

Great Wolf Lodge, Fitchburg, MA

9:30 AM to 3:30 PM

Registration -- \$40 MFGA members, \$50  
non-MFGA members (includes lunch)

3 pesticide recertification credits  
have been approved

**PROGRAM - highlighting UMass research and then some...**

**Guest Speaker: Dan Donahue, Cornell CE Eastern NY Horticulture Program**

**9 to 9:30 AM - Coffee and check-in**

**9:30 - Welcome** - Joanne Dinardo, MFGA President

**9:45 - Biological sprays for fire blight *suppression*** - Daniel Cooley

Cooley will present the results of two seasons of Northeast SARE-funded field research looking at biological fungicides (Blossom Protect, etc.) and their effectiveness in further suppressing fire blight infection when combined with conventional control strategy using streptomycin

**10:00 - Copper, scab, fire blight, and russet: is there an answer?** - Daniel Cooley

Cooley will present the results of an in-season trial looking at a new copper fungicide (BuLogic, NutriAg Ltd.) compared to conventional fungicide and bactericide treatments for apple scab and fire blight respectively

**10:15 - App Mash-up: MyIPM, NETFMG, Eco Apple App, and Malusim** - Jon Clements

With the exception of Malusim, Clements will demonstrate MyIPM and Eco Apple apps, both designed to help with managing chemical fungicide and insecticide resistance and/or choosing crop protectants with less environmental and applicator/consumer effects

**10:30 - Precision thinning using the Malusim app: trials and tribulations** - Jon Clements

Clements will present the results from 2018 using the Malusim app to better manage chemical thinner application(s) to achieve the desired apple crop load for maximum profitability

**10:45 - NC-140 Honeycrisp rootstock trials: yes, we have a rootstock for you!** - Wes Autio

Autio will present results from NC-140 Regional Rootstock Research Project at the UMass Cold Spring Orchard that features fire blight resistant Geneva rootstocks; new apple orchards planted on these rootstocks should reduce the risk for losses presented by fire blight

**11:00 - Apogee and Honeycrisp bitter pit: yes, we have an answer for you!** Dan Donahue, Cornell Cooperative Extension Eastern NY Commercial Horticulture Program  
Donahue will present results from several seasons of using the Plant Growth Regulator Apogee to help prevent or reduce bitter pit incidence in the very susceptible Honeycrisp apple variety

**11:30 - MFGA Annual Meeting and Buffet Lunch**

**1 PM - RAD/SAD? Why are my young apple trees dying?** Dan Donahue, Cornell Cooperative Extension Eastern NY Commercial Horticulture Program  
Donahue will propose several factors, including weather, rootstocks, site preparation, disease susceptibility (fire blight, crown rot), and other potential stress factors that have recently been noted in the rapid decline of young, high-density apple orchards

**1:30 - Brevis, the next chemical thinner for apples?** - Duane Greene  
Brevis (a.i. Metamitron) is a new chemical thinner expected soon from Adama. Already used in Europe for chemical apple thinning, Greene will present the results of several years of experiments using this thinner compared to existing standards (NAA, 6-BA, NAD) at the UMass Cold Spring Orchard

**1:45 - When climate changes the apple scab rules and such nonsense!** - Liz Garofalo  
Garofalo's recently defended M.S. Thesis, and using Decision Support Systems -- DSS's such as NEWA, RIMpro, SkyBit, and Ag-Radar to manage apple scab, fire-blight, codling moth andmore -- how climate change is affecting model outputs and how the models might need to be adjusted given new weather patterns we are experiencing

**2:00 - Brown marmorated stink bug in 2018, "Here's Johnny!"** - Liz Garofalo  
Brown marmorated stink bug captures increased notably in 2018 in Massachusetts orchards. Garofalo will explain and what this might mean for management decisions (including insecticide use) going forward, which until now, has been a non-issue

**2:15 - Spotted wing drosophila: all over the place, but what can you do?** - Jaime Pinero  
Pinero will highlight his 2018 research using different bait formulations in SWD traps which might make mass trapping more practical in lieu of/supplementing insecticide applications

**2:30 - Plum curculio and apple maggot fly: attract and terminate!** - Jaime Pinero  
Pinero will highlight his research initiated in 2018 using grafting to PC and AMF attractive varieties in existing orchards to attract the pests to small portions of the orchard which can then be spot-treated with insecticide, thereby eliminating or reducing the need for whole-orchard insecticide sprays

**2:45 - Swingers at UMass? No, not that kind! - the trellis kind for blackberry!** Sonia Schloemann

**3:00 - MFGA election results, Pesticide credits, adjourn**

**REGISTER (by January 7) and pay using a credit card:**

<http://massfruitgrowers.org/2019/annualmeeting.html>

**Or, print and mail next page with completed registration (and payment) below:**

**Name(s) attending:**

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**Amount (\$40 per person for MFGA members, \$50 for non-MFGA member) enclosed:**

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**Mail to: Doreen York, 101A French Hall, 230 Stockbridge Road, Amherst, MA 01003**

**Thanks to Co-sponsors USDA Risk Management Agency and  
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 **United States Department of Agriculture  
Risk Management Agency**