

## 42<sup>nd</sup> Annual Safety & Pesticide Recertification Seminar

### AGENDA

#### DAY 1 – January 17, 2023

8:00-8:50 AM      **The Pandemic and Other Influencers of Fertilizer Economics** – Andy Drohen, Sr. Territory Sales Manager, Northeast U.S. & Canada, Allied Nutrients

*The talk will cover how fertilizer gets to the end-user and what's happened to fertilizer pricing before, during and after the pandemic, as well as global influences on local fertilizer pricing. I'll discuss why we've had these major price increases the past 18 months or so, and what we think will happen moving forward.*

8:50-9:15 AM      **Improving Pesticide Performance by Correcting Water Quality** – Chuck Schuster, University of Maryland Extension Emeritus

*Pesticide application success is not only related to the products and the timing of the application. Water quality can vastly change your application success. This presentation will provide review of how water can change the efficacy of your pesticide application.*

9:15-9:40 AM      **MDA Pesticides Update and Inspection Walk-through** – Braeden K. Harpool, Agricultural Inspector, Maryland Department of Agriculture - Pesticide Regulation Section

*This presentation will provide a brief update on the current status of the program and upcoming changes. It will also go over the main points of a typical inspection and what you should expect.*

9:40-10:00 AM      Break

10:00-10:50 AM      **Tree Risk Assessment** – Jerry Dieruf, Terra Green Independent Consulting Arborist

*This presentation will discuss the standards for providing a tree risk assessment, risk defect relationship to the target, tree risk manager vs. tree risk assessor and the liability exposure of providing a tree risk assessment.*

10:50-11:40 AM      **The Eccleston Restoration Project – Restoring a Trout Stream in a Warming Climate and Decaying Green Ash Forest** – Jim Morris, Johnson, Mirmiran & Thompson, Inc.

*Mr. Morris will detail the stream and wetland restoration plan and implementation for an approximately 99 acre site on the Jones Falls, and how a mix of preservation, restoration, earthwork and how the **right trees** were utilized for the project. The project's goals are to preserve and enhance the trout fishery and restore a forest which was literally falling apart from the impacts of the emerald ash borer.*

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| 11:40 AM-12:40 PM | Lunch   |
| 12:40-1:30 PM     | <p><b>50 Years an Arborist: How Can So Much Change, and Still Remain the Same? –</b> Don Blair, President, Blair’s Arborist Equipment</p> <p><i>Having already knocked out more than 50 years working as a professional arborist, Don Blair is going to take a look at some of the similarities arborists today share with those of the 1970’s as well as many of the changes in technology, methodology and work practices today that are vastly different from how things were “back in the day”.</i></p> |
| 1:30-2:20 PM      | <p><b>Fall Care Protection –</b> Maryland Occupational Safety &amp; Health (MOSH)</p> <p><i>This presentation will provide guidance for on fall care protection for tree care experts who have to access roofs of residential dwellings.</i></p>  |
| 2:20-2:40 PM      | Break   |
| 2:40-3:05 PM      | <p><b>Be Prepared with a First Aid Kit –</b> Afton Jamerson, Trauma Program Manager, Johns Hopkins Bayview</p> <p><i>When working in high-risk environments, first aid kits are a must. Johns Hopkins Trauma Nurse Afton Jamerson will review what should be included in First Aid Kits when out in the field.</i></p>  |
| 3:05-3:55 PM      | <p><b>Field Diagnostics and Effective Sampling –</b> Jeremy Slone, PhD, Plant Disease and Insect Diagnostician, Bartlett Tree Experts</p> <p><i>This presentation will cover using observations in the field to know which plant tissues are important to inspect for an accurate diagnosis. Tips on how to collect representative samples of observed symptoms will also be shared.</i></p>  |
| 3:55-4:25         | Wrap-Up and CEU Sheets  |

## DAY 2 – January 18, 2023

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| 8:00-8:50 AM | <p><b>Managed Bees, Wild Bees and the Trees They Need –</b> Lindsay Barranco, Entomology Graduate Student, vanEngelsdorp Bee Lab, University of Maryland</p> <p><i>Both managed honey bees and solitary wild bees are important pollinators of food crops and native plants. All bees, and other pollinators, share similar challenges and threats, yet there are some key differences in the life cycle and nesting needs of honey bees vs. solitary wild bees. This talk will highlight some of those similarities and differences and will focus on some of the key tree species bees utilize for nectar and pollen.</i></p> |
| 8:50-9:40 AM | <p><b>Tree Conservation for Construction –</b> Chris Fields, Technical Advisor, Davey Institute of the Davey Tree Expert Company</p>  |

*Conservation of trees during construction projects is becoming ever more important as natural forest areas continue to be developed and urban areas with existing heritage trees are redeveloped. We will discuss in detail what it takes for trees to survive these projects and how designers, contractors, and arborists can work together as a team to make it happen.*

9:40-10:00 AM

Break

10:00-10:50 AM

**Getting to the Root of Tree Preservation** – Steve R. Mays Jr., President, and Christopher Pearce, Tree Preservation Manager, Carroll Tree Service

*Presentation focusing on the implantation of various tree preservation methods utilized at some of our areas most prestigious institutions. Topics of discussion will include not only the main culprits of root injuries, but also tried and true methods to mitigate these challenges.*

10:50-11:40 AM

*Electric Equipment Safety – Speaker Pending*

11:40 AM-12:40 PM

Lunch

12:40-1:30 PM

**New Urban Forestry – "Implementing a Geodesign Approach to Managing our Urban Forests"** – Michael B. Dunn, RCA, BCMA, Consulting Arborist, Brandywine Urban Forest Consulting

*In the 21st century, it has become ever more clear that trees are not purely of aesthetic concern for community planning but they are in fact vital urban infrastructure. In fact, our trees and green spaces are the only urban infrastructure that improves in value with age. This lecture will examine new approaches for urban forest management that incorporate modern planning techniques into an integrated cross-disciplinary approach.*

1:30-2:20 PM

**Landscape Diseases in 2022 and Possible New Diseases Coming in 2023** – Dave Clement, Extension Specialist, Plant Pathology, University of Maryland Extension

*Beech leaf disease and vascular streak dieback are two emerging issues in landscapes and nurseries in nearby states. Learn more about recognizing and diagnosing these diseases for your clients.*

2:20-2:40 PM

Break

2:40-3:30 PM

**Tough Insects** – Stanton Gill, Extension Specialist in IPM and Entomology, University of Maryland Extension, Central Maryland Research and Education Center, and Professor, Environmental Horticulture and Sustainable Agribusiness, Montgomery College; and Brian Kunkel, Extension Specialist, Ornamentals Integrated Pest Management, University of Delaware

*Brian Kunkel and Stanton Gill evaluated control methods and materials for the Spotted Lantern Fly that is rapidly spreading in Maryland and De. They will present results and what trial they are conducting in 2023. Crape Myrtle is*

*rampaging across Maryland. Learn the best control strategies for this major Eriococcus Scale pest.*

3:30-4:00 PM      **Recertification Updates** – DNR, MDA, DC DOEE

4:00-4:30 PM      Wrap-Up and CEU Sheets