

Maryland Arborist Association
38th Annual Safety and Pesticide Recertification Seminar
January 22 & 23, 2019
Turf Valley Resort and Conference Center

January 22nd - Day 1

7:00 – 7:45 Registration and Breakfast

7:45 – 8:00 Welcome
Stephen Sprague, Carroll Tree Service, Inc.
Program Moderator: Scott Bates

8:00 – 10:50
BREAKOUT SESSIONS:

Tract 1:

8:00 – 10:50 Plant Diagnostic Hands-On Demonstration
University of Maryland Extension

Hone your IPM Diagnostic skills by attending this intense multi hour diagnostic training session. Build you confidence and skill level in insect and disease problems on nursery and landscape plant material. This session is limited to the first 30 people to sign up. Involves lecture and use of scopes to ID insects, mites and disease samples. Topic flight faculty of the University of Maryland Extension will be teaching in this session including Karen Rane, David Clement, Mary Kay Malinoski, Suzanne Klick and Stanton Gill.

Tract 2:

8:00 – 8:50 Selling Air Spade Work
Rich Anacker

The air spade is an important tool that is very under-used. This session will review a variety of topics related to this tool, including air spade techniques and applications, pricing jobs and materials needed to perform work.

8:50 – 9:40 BGE and Maryland Zoo Browse Program

Ken Race, Lewis Tree Service; Andrew Young, Maryland Zoo; and Daniel Mance, BGE

In 2018 BGE and its contractor Lewis Tree Service began delivering Tree branches from its tree trimming operations to the Maryland Zoo in Baltimore to help feed the animals. The branches are called Browse. The zoo had been purchasing the browse from a supplier in Florida, so it was very expensive to ship, and feed the animals. The browse that BGE supplied was fresher, and more plentiful then what can be purchased, and saved the zoo a lot of Money. Participants will gain a deeper understanding about this program, including acceptable species of trees that can be fed to the animals, delivery schedules, and more.

9:40 – 10:10 Break with Vendors

10:10 – 11:00 Canopy Cover and Planning Goals

Laura Miller, Department of Environmental Protection, Montgomery County

This presentation will include information about canopy cover and the current approach to setting canopy goals. She'll tie this to how to select species and prioritize planting locations to meet these canopy goals and increase benefits from trees. Finally, she'll provide information about planting programs on private property in Maryland and Montgomery County. (*confirm description*)

RECONVENE

11:00 – 11:50 Spotted Lanterfly

Emelie Swackhamer, Penn State Extension

Emelie Swackhamer has served as an extension educator for 23 years. She delivers programming for the commercial green industry, and consumer horticulture audience. She has been on the educational front line of the spotted lanternfly invasion since the beginning. Her talk will describe the life cycle of the insect, the impact it is having on trees, crops and landscapes. She will highlight management options, the quarantine regulations in Pennsylvania and share fact sheets that you can use to teach others.

11:50 – 12:50 Lunch

12:50 – 2:20 John Ball, South Dakota State University

Z: Paragraphs to Live By

Arboriculture is a high risk profession with a fatal and nonfatal incident rate far above the all-industry average. But it does not need to be this way. The new Z133 is an excellent source for the standards to avoid or reduce the many hazard sources in this profession. This presentation will cover the new edition of the Z and explain the many changes in how we should conduct our work.

The 5% Solution: the Key to True Diversity

ALB, DED, EAB, SOD, TCD....the list of exotic insects and pathogens that are threatening our community forests continues to expand. We need to diversity our community forests to reduce the impact of these and the future unknown pests but the 10-20-30 rule is not enough. This presentation will cover a new approach to truly diversifying our community forests – it's all about genera.

2:20 – 2:50 Break with Vendors

2:50 – 3:50 Movement Strategies for the Tree Service Provider

Christine Fickling, FX Physical Therapy

Back injuries are common in our industry. Learn from the experts about body mechanics and posture while on the job, Core exercise demonstration, Break down common injuries with strategies for management.

3:50 – 4:10 Wrap Up and Sign Various Recertification Sheets

January 23rd - Day 2

7:15 – 8:00 Registration and Breakfast

8:00 – 8:10 Welcome

Stephen Sprague, Carroll Tree Service, Inc.

Program Moderator: Scott Bates

8:10 – 9:00 Pollinator Protection

Dennis vanEngeldorp, University of Maryland Bee Lab

Honey bee colonies in the US have been dying at high rates for the last 10 years. There is growing consensus that the causes of these losses are multifactorial, including varroa, pesticides, and poor nutrition. Here we take an epidemiological approach to examining the drivers of honey bee colonies, revealing a sticky mess of interacting factors, chief among them varroa. We will examine data from multiple surveillance efforts in an attempt to draw an overarching picture of bee health, and also examine beekeeper management practices that correlate with increased survivorship.

9:00 – 9:50 Vegetation Management & Invasives

Joe Lentz Arborchem

Presentation will discuss the tools available to meet the vegetation managers objectives, High percentage of control, Productivity, and NO off target damage. Tools include, herbicide combinations, adjuvants, timing of applications, and application techniques.

9:50 – 10:20 Break with Vendors

10:20 – 11:10 Oak Decline: Diagnosing and Managing a Complex of Disease, Insect, and Environmental Factors

Chelsi Abbott, Davey Institute

Oaks are incredibly desirable trees in urban landscapes, however, in recent years many oak trees have been in decline. Oak decline is a complex of insects, fungi, and environmental factors that interact to bring about severe damage and eventual death of the tree. Since oak decline can be caused by any combination of biotic and abiotic factors, proper diagnosis before management is key. This talk will aim to cover the diagnostics of key oak problems, such as two-line chestnut borer, wood decay fungi, foliar pathogens, and cultural conditions to understand how these problems interact and attribute to oak decline. Furthermore, management practices discussed will be focused on a holistic approach using traditional and experimental methods.

11:10 – 12:00 Plant Diseases

Dr. Andrew Loyd, Bartlett Tree Research Lab

This presentation will focus on current and emerging plant diseases of trees. Delve deeper into the etiology and management of various diseases including pear trellis rust, beech leaf disease, needlecast, spruce decline, white pine decline, among others.

12:00 – 1:00 Lunch

1:00 - 1:50 Recertification

- A. Rob Hofstetter, Maryland Department of Agriculture
- B. Baldwin Williams, District of Columbia Department of Energy & Environment
- C. Chris Smith, Maryland Department of Natural Resources (*confirmed*)

An update on the Maryland Licensed Tree Expert program will be presented that will discuss the continuing education program, a requirement for license renewal.

Representatives from MDA and D.C. will give short updates on pesticide recertification.

1:50 - 2:40 Tick Safety

Kathy Heinsohn, American Pest

Ticks and mosquitoes are pesky all around! Learn about common ticks in Maryland, the biology and behavior of these pests, and disease association and transmission. This session will also cover preventative measures that can be taken and personal protection that can be worn while working out in the field.

2:40 - 3:10 Break with Vendors

3:10 – 4:00 Opportunities for Expanding Services to Woodland Areas

Jonathan Kays, University of Maryland Extension

Many client properties served by arborists have small woodlands and owners interested in improving forest health and access to their woods. The Woods In Your Backyard program has taught many small acreage owners how to develop sustainable outcomes for their properties but service providers are difficult to find. The University of Maryland Extension is developing a new program to teach green industry professionals backyard woodland practices and provide pesticide training so they can expand their services, many of which can be done in the dormant season. This presentation will discuss the new program and efforts to market service providers to clientele.

4:00 – 4:20 Wrap Up and Sign Various Recertification Sheets