

East Lansing Day 2 – November 12, 2024

8 MDARD credits in Core (Priv. & Comm.), 2, 3A, 3B, 6, 7A and 7D

****No 5 or 7F credits on this day****

- 7:45 – 8:00am** Registration
- 8:00 – 9:00am** Spotted Lanternfly – Amy Stone
- Relevance: 2
 - Description: The biology and behavior of this non-native invasive insect will be covered, as well as management and reporting practices.
- 9:00– 10:00am** Herbicide Phytotoxicity in Landscapes and Nurseries: What’s in a Name?
– *Dr. Dave Roberts*
- Relevance: Private and Commercial Core, 2, 3A, 3B, 6
 - Description: Herbicides represent important tools to manage unwanted plants (weeds) in Landscapes and Nurseries. Herbicides are especially efficient and efficacious in lieu of physical means. Unfortunately, mistakes do happen. And when herbicide mistakes happen, they often present HUGE problems for our industry. Mistakes may occur from supplier advice, our failure to thoroughly read and understand herbicide labels, notoriously confusing labels, uncontrollable variables such as weather, and misapplication, among other contributors. Manufacturers of herbicides sometimes market different active ingredients under the same brand name, leading to misunderstandings by professional applicators and lay people alike. This program will disclose some of The Plant Doctor’s experiences with herbicide toxicity to plants over the past year or so.
- 10:00 – 10:15am** Break
- 10:15 – 11:15am** The Tree Doctor’s Diary: Recent Experiences from the Field – *Dr. Dave Roberts*
- Relevance Private and Commercial Core, 2, 3A, 3B, 6
 - Description: In his role as Michigan’s Plant Doctor, aka “The Tree Doctor”, Dr. Dave is called upon every year by Nurserypersons, Arborists, Landscapers, Suppliers and the Public to solve perplexing plant problems in the landscape and nursery. These plant problems range from pests to diseases and from environmental issues to dilemmas from cultural inputs. In this interesting session, a variety of

problem-solving scenarios will be presented in his interesting story-telling style that will not likely lull you to sleep. This is a must-attend program for those who want to learn some of the tips for “forensic analyses” in field diagnostics and problem solving for effective management of perplexing plant problems.

- 11:15am – 12:15pm** Proper Maintenance Goes Hand-in-Hand with a Proper Pesticide Application – *Dr. Fred Whitford*
- Relevance: Commercial Core
 - Description: Effective applications can be attributed directly to properly functioning equipment. Daily maintenance practices and end-of-season maintenance for pesticide equipment will be addressed.
- 12:15 – 12:45pm** Lunch
- 12:45 – 1:45pm** The Science Behind Nozzle Technology – *Dr. Fred Whitford*
- Relevance: Commercial Core
 - Description: The science behind the designs, materials and capabilities of today’s nozzles is as impressive and complicated as are the chemistries being applied. This presentation discusses the current state of spray nozzle technology as it relates to today’s pesticide applications. By better understanding the science, we hope this will enhance the nozzle selection process and optimal use to save applicators money and make the most effective application possible.
- 1:45 – 2:45pm** What’s Involved in Providing Mole Control as a Service? – *Dana Davis*
- Relevance: 7A
 - Description: Participants will learn about mole species and their habitat, as well as how to perform inspections and site evaluations. Control strategies and exclusion/prevention methods will be covered.
- 2:45 – 3:00pm** Break
- 3:00 – 4:00pm** Tick Talk – *Gary Wagner*
- Relevance: 7F
 - Description: Gary will give an in-depth discussion on tick biology and a deep dive into offering a proper tick service, including application products, timing, and techniques.

4:00 – 5:00pm

Treating Invasive Plants: Terrestrial and Aquatic – *Dana Davis*

- Relevance: 5
- Description: Participants will learn to ID and treat invasives, understand the line between terrestrial and semi-aquatic plants, understand licensing requirements, and learn the differences in treating aquatic versus landscape pesticides.