

Ann Arbor Day 1st Day – November 6, 2024

8 MDARD credits in Core (Priv. & Comm.), 2, 3A, 3B, 5, 6, 7A and 7D

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

- | | |
|--------------------------|--|
| 7:45 – 8:00am | Registration |
| 8:00 – 9:00am | Herbicide Injury and What It Means – <i>Dr. Emma Beaver</i> <ul style="list-style-type: none">• Relevance: Private and Commercial Core, 2, 3A, 3B, 6• Description: Herbicide injury is considered to be any adverse effect on a plant from exposure to a pesticide. It can occur for many reasons, such as drift or improper calibration. Participants will learn how to distinguish herbicide damage from disease or abiotic factors. |
| 9:00– 10:00am | Time for Alternatives to Glyphosate – <i>Dr. Hannah Mathers</i> <ul style="list-style-type: none">• Relevance: Private and Commercial Core, 2, 3A, 3B, 5, 6• Description: To be discussed are the different kinds of glyphosate products, both terrestrial and aquatic, commonly used in the Green Industry. Dr. Mathers will then suggest effective substitutes for each of these products. |
| 10:00 – 10:15am | Break |
| 10:15 – 11:15am | MDARD Updates and Regulations <ul style="list-style-type: none">• Relevance: Private and Commercial Core• Update from the MI Dept. of Agriculture on regulations relevant to the Green Industry. |
| 11:15am – 12:15pm | A Summer of Extremes: 2024 Year in Review and Turf Management Recommendations for Stressed out Turf – <i>Dr. Kevin Frank</i> <ul style="list-style-type: none">• Relevance: 3A• Description: The year of 2024 will certainly go down as one of the most challenging turf management years in recent memory. Summer conditions could generally be described as uncomfortable. Hot, wet, humid conditions resulted in an abundance of turfgrass diseases including red thread, dollar spot, brown patch, and pythium blight. This presentation will recap 2021 and discuss both cultural and pesticide recommendations for managing turf in less-than-ideal conditions. |
| 12:15 – 12:45pm | Lunch |

- 12:45 – 1:45pm** What is 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.
- 1:45 – 2:45pm** Learning Aquatic Pesticide Boundaries – *Dana Davis*
- Relevance: 5
 - Description: Participants will learn about the licensing requirements for aquatic pesticides and their applications. They will be taught the difference between different bodies of water and factors that influence pesticide boundaries.
- 2:45 – 3:00pm** Break
- 3:00 – 4:00pm** Best Management Practices for Treating Trees – *John Palmer*
- Relevance: 2, 3B, 6
 - Description: John will discuss BMPs for applicators who use tree injections to systemically treat trees for pest and disease.
- 4:00 – 5:00pm** *Ficaria verna* – A Newly added Invasive Species in Michigan – *Carolyn Miller*
- Relevance: 3A
 - Description: *Ficaria verna* (Lesser celandine) is a perennial ground-covering plant native to northern Europe, newly found to be invasive in the Great Lakes region. *F. verna* forms a dense mat in the early spring, outcompeting native ephemeral species, many of which are already threatened. It can be identified by its small (1-4 cm), lobed leaves growing in clusters with 7-12 petaled, glossy, yellow inflorescences (2-5 cm). After blooming, *F. verna* forms clusters of small bulblets and tubers which spread and easily propagate if disturbed. These two distribution methods make it an ideal species to spread along moving water (rivers, creeks) that pass through urban areas. There's been a noticeable increase in finding *Ficaria verna* in residential lawns, and the question has been asked "how it got there, and what the best management practices for control?". This session will discuss methods of control and how we can prevent it from spreading even further.

