

WEEDS, TREES & TURF DISEASES

GOLF, LAWNCARE, ARBORISTS & SPORTS TURF MANAGERS SHOULD ATTEND!

Presented by: The Minnesota Turf and Grounds Foundation

January 3, 2012 | 8am—3:30pm | Minneapolis Convention Center | 1301 2nd Ave S | Minneapolis, MN 55403

Continuing Education: ISA CEU Credits: 2 points | MGCSA CEU Credits: | MSTMA CEU Credits:

Featured Sessions for Lawn Care and Sports Turf Professionals!

10:45-11:45 & 12:45-1:30: **Grassy Weed and Broadleaf Herbicide Research Update, Part 1 & 2, Dr. David Gardner, The Ohio State University**

Part 1: Several important new herbicides have come onto the market in the past few years for the control of broadleaf weeds, including mesotrione and aminocyclopyrachlor. The uses, advantages, and disadvantages of these products will be discussed, as well as how these products might fit into your weed management program. **Part 2:** Some new products have been developed that can help with control of grassy weeds. However, many other products have appeared on the market that are novel combinations of existing herbicides. The uses, advantages, and disadvantages of these products will be discussed.

Dr. Dave Gardner is an associate professor of turfgrass science at The Ohio State University. His research interests are in the areas of pesticide/nutrient fate and shade stress physiology. He also conducts a large number of herbicide trials each year. Dr. Gardner teaches undergraduate courses in the areas of turfgrass management, statistics, and landscape horticulture.

Entire Schedule of Events Includes:

7:30 - 8:00: Registration

8:00 -10:30: **Impact of Cultural Practices on Turf Diseases, Dr. Bruce Clarke, Rutgers**

This session will cover the following topics: impact of management practice on turfgrass diseases: are you using all the tools in your toolbox?; current BMPs for control of anthracnose; and current strategies for dollar spot management on golf courses.

10:30 -10:45: Break

10:45-11:45: **Grassy Weed and Broadleaf Herbicide Research Update, Part 1, Dr. David Gardner, The Ohio State University**

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11:45 -12:45: Lunch

12:45 – 1:30: **Grassy Weed and Broadleaf Herbicide Research Update, Part 2, Dr. David Gardner, The Ohio State University**

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1:30 -3:30: **Managing Trees in Urban Soils, James Urban, Urban Trees & Soils**

Plant root health is dependent on both soil conditions and root conditions that exist when the tree is planted. In urban areas, soil conditions are significantly degraded and modifications to soil or even complete replacement of soils will be necessary. Once the tree is in the ground there is often little that can be done to improve large scale soil issues such as compaction or poor drainage or these modifications become quite expensive. This presentation will discuss soil solutions appropriate to projects in urban soils ranging from dense urban core sites to suburban development.

Additional Speaker Biographies

Bruce Clarke, is the vice chair of the department of plant biology and pathology at Rutgers. The principal focus of Dr. Clarke's research deals with the identification and control of abiotic and biotic diseases associated with cool-season turfgrasses. To date, research findings have been utilized by turf managers to reduce pesticide usage through improved management strategies. Research also has been initiated to develop disease forecasting and detection systems and to identify genetic resistance to diseases in new and existing turfgrass cultivars.

James Urban, FASLA specializes in the design of trees and soils in urban spaces. He has written and lectured extensively on the subject of urban tree planting and has been responsible for the introduction of many innovations including most of the current standards relating to urban tree plantings. His 2008 book 'Up By Roots: Healthy Trees and Soils in the Built Environment', is becoming one of the principle tree and soil references. James Urban was instrumental in the development of structural cells and structural planting soils for use under sidewalk pavements, and is credited with helping to re-awaken the profession of landscape architecture to the

skills required to successfully plant trees in difficult urban soils.