

MONDAY, DECEMBER 3

All sessions, topics and speakers are subject to change without notification.

PRE-CONFERENCE WORKSHOPS**WORKSHOP 1**

9:00 AM – 4:00 PM

Communications for Superintendents
(.55 GCSAA EDUCATIONAL POINTS)

Mike Jousan, Clear Communication Co.

Your success as a superintendent will always be judged by the condition of the golf course ... AND your communication skills. Learn the skills to help you communicate better.

WORKSHOP 2

9:00 AM – 4:00 PM

TORO IRRIGATION UNIVERSITY

Sprinkler Maintenance & Troubleshooting, Satellite Troubleshooting, Field Troubleshooting, Winterization/Spring Start-Up & Pump Station Winterization
(.55 GCSAA EDUCATIONAL POINTS)

Joel Braun, Sam Moore, Jerry Riley and Jim Sharp, The Toro Co.

Discussion of Toro large turf irrigation sprinkler maintenance and troubleshooting. Toro irrigation controller troubleshooting. General irrigation system field troubleshooting. Irrigation system winterization and system startup. Pump station winterization and startup.

WORKSHOP 3a

9:00 AM – 12:00 PM

Improving Your Maintenance Facility from A-Z
(.25 GCSAA EDUCATIONAL POINTS & CORE – 1 HR)

John Glover, ESD Waste2Water, Inc., Keith Kresina, The Golf Club, Eric Materkowski, Wildwood Golf Club, Michael Vogt, CGCS, The McMahon Group, Inc. & Kyle Williams, Ivy Hills CC

This session will address the following topics – design, construction, programming and regulations for building a new facility, upgrading and improving your current facility, wash pad design, construction and regulations, mix and load stations for the pesticide applicator and when fire destroys your facility, where do I start? Q & A with Industry Professionals.

WORKSHOP 3b

1:00 PM – 4:00 PM

The Rules of Golf – Can Learning This Stuff Possibly be Fun?
(.20 GCSAA EDUCATIONAL POINTS)

Bill McCarthy, USGA

An interactive video based presentation on the Rules of Golf centering on the most common situations and relief procedures golfers find themselves in while on the course.

TUESDAY, DECEMBER 4

All sessions, topics and speakers are subject to change without notification.

GENERAL SESSION

12:00 PM – 1:00 PM

Pesticide Safety and Health Issues for the Green Industry
(CORE – 1 HR)

Joanne Kick-Raack, The Ohio State University, Dept. of Entomology

GOLF TURF MANAGEMENT

8:00 AM – 9:00 AM

Predicting & Management of Pink Snow Mold (The Whole Story)
(CAT 8 – 1 HR)

Dr. Phil Dwyer, Scotts Company

Attendees will be presented with the latest findings on how to predict and better manage pink snow mold/microdochium patch outbreaks on turfgrass.

9:00 AM – 10:00 AM

Hiring and Maintaining a Latino Work Force

John Wargowsky, Mid American Ag. And Hort. Services

Learn key legal and practical issues. This session includes an update on the Safe Harbor Rule for employers who receive no-match letters.

10:00 AM – 11:00 AM

Liability and Risk Management
(CMAA – 1 HR)

Mark Farrell, Westfield Group CC

There are risks associated with everything we do in the golf business. Learn how to assess and evaluate which risks to take and which to act on to protect against injury, incident and increased cost and exposure for your operation.

11:00 AM – 12:00 PM

Phosphites & Pythium Management
(CAT 8 – 1 HR)

Dr. Brandon Horvath, Virginia Tech., Dept. of Plant Pathology

Check out the latest information on using phosphite products to manage Pythium. How do phosphites work? Are fertilizer phosphites effective at controlling Pythium?

1:00 PM – 2:00 PM

Poa annua Seedhead Suppression Options – An Art or a Science?

Dr. Ron Calhoun, Michigan State University, Dept. of Crop & Soil Sciences

2:00 PM – 3:00 PM

Do My Greens Have the Chicken Pox?

Dr. Peter Dernoeden, Maryland University, Dept. of Natural Resource Sciences

Chlorosis or yellowing in putting green turf indicates something is wrong. Sometimes the yellowing appears in spots, blotches, pits, rings and patches.

SPORTS TURF MANAGEMENT

8:00 AM – 9:00 AM

Renovation and Construction Improvements in Sports Turf Over the Last 10 Years

Dave Saltman, Pitchcare

An insight into the equipment and techniques available that shape our 21st century playing surfaces, enabling them to better withstand increased usage and shade.

9:00 AM – 10:00 AM

Synthetic Turf Field Maintenance

Darian Daily, Cincinnati Bengals

Attendees will learn methods and techniques of maintaining Synthetic Turf to high standards as well as short cuts and “tricks” to help with maintenance challenges.

10:00 AM – 11:00 AM

Managing Traffic and Wear on Sports Fields

Dr. John Sorochan, Tennessee University, Dept. of Plant Sciences & Land Sys.

11:00 AM – 12:00 PM

Optimizing Cultural Practices to Improve Field Performance

Dr. Ron Calhoun, Michigan State University, Dept. of Crop & Soil Sciences

1:00 PM – 2:00 PM

Managing Athletic Fields with Minimal Use of Pesticides
(CAT 8 – 1 HR)

Matthew Brown, Central Park Conservancy, NY

Take 15,000 games a year, strict local laws, the urban environment, enormous disease pressure and “Whaddya Mean Its Closed?” to give you an idea what we contend with. So how do we do it?

2:00 PM – 3:00 PM

Procedures for Drainage Improvements on Existing Fields & During Renovation

Ryan Gregoire, Ag Design, Inc.

This class will discuss how to identify existing drainage issues/problems, along with simplifying designs and procedures for installing drainage systems on athletic fields.

LAWN CARE BUSINESS MANAGEMENT

8:00 AM – 9:00 AM

Employee Retention

Dr. Bernie Erven, The Ohio State University

The key to employee retention is building great relationships with employees. This session will focus on practices most helpful to employers committed to outstanding employee relationships.

9:00 AM – 10:00 AM

How to Control Your Rising Health Care Costs

Denny Recker, Fawcett, Lammon, Recker & Assoc.

This program will provide ideas on how to bend the upward trend in health care costs in your favor by exploring ways to better utilize dollars spent on health plans.

10:00 AM – 11:30 AM

Developing Middle Management

Dr. Bernie Erven, The Ohio State University

Middle managers have a huge challenge of dealing up, down and beside themselves in the business. This session will look at the attitudes, skills and procedures.

1:00 PM – 2:00 PM

H-2B Foreign Worker Program – What's New

John Wargowsky, Mid American Ag. & Hort. Services

Learn the latest on how governmental policies impact your ability to use the H-2B foreign guest worker program to meet workforce needs in your business.

2:00 PM – 3:00 PM

Developing a Culture of Safety

Brad Hunt, RiskControl360°

Learn how areas such as financing, accounting, budgeting and human resources can be primary causes of high injury rates and high workers' comp premium.

GOLF COURSE MAINTENANCE ON A TIGHT BUDGET

8:00 AM – 9:00 AM

Economic Disease/Fungicide Management

(CAT 8 – 1 HR)

Joe Rimelspach, The Ohio State University, Dept. of Plant Pathology

9:00 AM – 10:00 AM

Economic Insect/Insecticide Management

(CAT 8 – 1 HR)

Dr. David Shetlar, The Ohio State University, Dept. of Entomology

Cultural techniques that can reduce insect activity on golf courses as well as programs that maximize insecticide efficacy will be discussed.

10:00 AM – 11:00 AM

Kentucky Bluegrass for Ohio/Midwest Fairways

(CAT 8 – 1 HR)

Dr. Doug Brede, Jacklin Seed Co./JR Simplot

Dr. Brede originally coined the term "low-mow bluegrass" to describe his Kentucky bluegrass varieties bred specifically for golf course fairways.

11:00 AM – 12:00 PM

Money Shot: How to Market Your Business and Grow the Game Simultaneously

Larry Aylward, GOLFDOM

1:00 PM – 2:00 PM

Maximizing Your Fertilizer Dollars

Brad Jakobowski, Nebraska University, Dept. of Agronomy & Hort.

Hands-on Seminar: Selecting fertilizers based on nutrient release, particle size and uniformity will help golf course superintendents maintain healthy turfgrasses and maximize their fertilizer purchases.

2:00 PM – 3:00 PM

Panel – Thinking Outside the Box – Cost Savings

Panelists: Ted Cox, Running Fox Golf Course, Charlie Mozingo, Turkey Foot GC, Golf Course Architect and Other Superintendents

ORGANIC (SUSTAINABLE LANDSCAPE)

8:00 AM – 9:00 AM

Low Maintenance Plantscapes

(CAT 6A – 1 HR)

Jim Chatfield, OSU Extension – Wooster and Joe Boggs, OSU Extension – Hamilton Co., Piketon Research Center

9:00 AM – 10:00 AM

Weedless Lawns Without Chemicals?

(CAT 8 – .5 HR)

Dr. Ron Calhoun, Michigan State University, Dept. of Crop & Soil Sciences

10:00 AM – 11:00 AM

Integrating Organic Management Tools to Maintain Turf and Trees in Central Park, New York

Matthew Brown, Central Park Conservancy

Central Park Conservancy has been taking care of Central Park since 1981. Find out how they've kept the Park turf and soils healthy with 30 million people using the Park every year.

11:00 AM – 12:00 PM

Understanding the Spectrum of Organic Fertilizers and Their Use Strategies for Agronomic Success

Dr. Chuck Darrah, CLC LABS

A review of the nutrient sources commonly used in organic fertilizers on the market today will be presented along with their agronomic behavior in turf management.

1:00 PM – 2:00 PM

Using Natural Controls and Host Plant Resistance to Manage Insects

(CAT 6A – 1 HR)

Dr. Parwinder Grewal, The Ohio State University, Dept. of Entomology

There is much interest in the use of biological and natural controls and host-plant resistance to manage pest problems in the urban environment. This presentation will provide useful information on the types and efficacy of various organisms and products and shed light on their application procedures.

2:00 PM – 3:00 PM

Panel – Agronomic Techniques, Approaches and Pitfalls to Developing Successful Sustainable Lawns

Panelists: Dr. Chuck Darrah, CLC LABS, Rick Geise, Nature Safe, Dr. Parwinder Grewal, The Ohio State University, Dept. of Entomology, Mark Grunkemeyer, Buckeye Ecocare, John Prusa, Highpoint Lawn Service, Ted Shull, Kettering Medical Center and Jerry Sullivan, Scotts

A lot of organic fertilizer products have now become available in the market place recently. However, data on their effects on the quality, growth, and health of turfgrass are limited. Furthermore, the environmental impact of organic and natural fertilizers is unknown. Recent research on effect of organic or natural fertilizer products on turfgrass growth and quality conducted at the Ohio State University will be presented. Pesticide products will also be discussed.

LANDSCAPE IRRIGATION TURF & ORNAMENTAL

8:00 AM – 9:00 AM

Decoder System Basics

Tom Kundrat, Rain Bird Corporation

Answers why and when decoder based irrigation control is beneficial and also covers basic operation and the components used.

9:00 AM – 10:00 AM

Decoder System Install and Service

George Ohmer, Wolf Creek Company

Tips for successful layout and installation of decoder based irrigation control. In addition, procedures for maintenance and servicing to help save time.

10:00 AM – 11:00 AM

Sport Turf Irrigation

Steve Lukasik, Wolf Creek Company

Layout methods that best serve the turf maintenance team and the players. Learn how to avoid the common irrigation related problems on natural and artificial turf sport fields.

11:00 AM – 12:00 PM

Landscape Drip Irrigation

Chris Dimmick and Tom Kundrat, Rain Bird Corporation

How current drip irrigation product allows for easy installation, simple servicing and excellent irrigation efficiency. Overview of drip product and how to best apply it.

1:00 PM – 2:00 PM

Intelligent Use of Water

Chris Dimmick, Rain Bird Corporation

Explores the recent evolution of landscape irrigation product that allows for drastic water savings. Both product capability and application are covered.

2:00 PM – 3:00 PM

Financial Impact of Water Conservation

Scott Knowles, Wolf Creek Company

Water conserving irrigation saves water. Learn how much money installing and managing water conserving irrigation systems return to the user.

WEDNESDAY, DECEMBER 5

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GOLF TURF MANAGEMENT

7:00 AM – 9:00 AM

Morning with the USGA

Bob Brame, USGA

Several USGA staffers will discuss association activities, field questions and consider hot, current issues in golf turf management, along with the game of golf in general.

9:00 AM – 10:00 AM

Poa annua Control Options – What is New?

Dr. Ron Calhoun, Michigan State University, Dept. of Crop & Soil Sciences

10:00 AM – 11:00 AM

Summer Stress, Diseases and Greens Management – Correlated Confusion Clarified (CAT 8 – 1 HR)

Dr. Peter Dernoeden, Maryland University, Dept. of Natural Resource Sciences & Landscape Architecture

Disease, wet soil and thatch, and mechanical injury contribute to the decline of putting greens in summer. This presentation will assist superintendents in differentiating the various biotic and abiotic causes of summer decline and will outline cultural and chemical approaches to managing these stresses.

11:00 AM – 12:00 PM

Rolling For Dollars

Dr. John Sorochan, Tennessee University, Dept. of Plant Sciences & Land Sys.

3:00 PM – 3:30 PM

Mesotrione (Tenacity) – A New Herbicide for Golf Courses

Dr. Peter Dernoeden, Maryland University, Dept. of Natural Resource Sciences & Landscape Architecture

Tenacity is an unusual herbicide in that it selectively controls a myriad of unrelated plant species. This talk will inform superintendents on how they can eliminate creeping bentgrass, crabgrass, yellow nutsedge and other weeds safely in Kentucky bluegrass and tall fescue green surrounds and roughs.

3:30 PM – 5:00 PM

Panel – Innovative Superintendent & New Technology

Panelists: Bob Brame, USGA, Dr. Karl Danneberger, The Ohio State University, Dept. of Hort. & Crop Science, Dr. Peter Dernoeden, Maryland University, Dept. of Natural Resource Sciences & Landscape Architecture, John Miller, GCSAA LPGA Tour Agronomist, Ed Mitchell, The Legacy Club – Heather Downs and Ohio GCSAA Chapter Reps

We will look at innovative ideas that may help superintendents do a job easier or more efficient.

SPORTS TURF MANAGEMENT

7:00 AM – 8:00 AM

Breakfast Roundtables (for Sports, Lawn & Grounds)

- Pricing for Profit
- Recruiting New Employees
- Selling/Buying Your Business
- Productivity Improvements in Lawn Care and Landscape Maintenance
- Diversifying: Adding New Services/Adding Tree and Shrub Programs
- Dealing With Environmental Issues
- Marketing
- Snow Removal
- Emergency Recovery of Turf on Athletic Fields
- Where Are We Going with Bermudagrass?



8:00 AM – 9:00 AM

Overseeding Athletic Fields: High Seeding Rates for Maximum Recovery – Are You Losing Your Main Agronomic Advantage?

Federico Valverde, Pioneer Seed Company (formerly Iowa State University)

9:00 AM – 10:00 AM

Maximizing Your Fertilizer Dollars

Brad Jakubowski, Nebraska University, Dept. of Agronomy & Hort.

Hands-on Seminar: Selecting fertilizers based on nutrient release, particle size and uniformity will help sports turf managers maintain healthy turfgrasses and maximize their fertilizer purchases.

1:00 PM – 2:00 PM

Dealing with Intensively Managed Sports Fields: Agronomics and Management for Job Security and a Less Stressful Life

Dr. Dave Minner, Iowa State University

2:00 PM – 3:00 PM

Improving Your Status and Getting More From Administration

Dave Saltman, Pitchcare

Communication is king! Being equipped with the tools to not only discuss issues with management, but negotiate to win are essential for a successful working relationship.

3:00 PM – 4:00 PM

Managing Sports Fields During Hot/Droughty Periods and Dry Years – Thinking Outside the Box

Dr. Dave Minner, Iowa State University

4:00 PM – 5:00 PM

Panel – Preparing For, Surviving and Recovering From a Rain Game

Panelists: Frank Dengg, Columbus Public Schools, Dave Minner, Iowa State University, Dave Saltman, Pitchcare, Pam Sherratt, The Ohio State University, Dr. John Sorochan, Tennessee University, Federico Valverde, Pioneer Seed Co. (formerly Iowa State University) and Kevin Vaughn, City of Dublin

Tips on turf management practices that can alleviate some of the problems during a rain game and prepare the field for the next game.

LAWN & GROUNDS MANAGEMENT

7:00 AM – 8:00 AM

Breakfast Roundtables (for Sports, Lawn & Grounds)

- Pricing for Profit
- Recruiting New Employees
- Selling/Buying Your Business
- Productivity Improvements in Lawn Care and Landscape Maintenance
- Diversifying: Adding New Services/Adding Tree and Shrub Programs
- Dealing With Environmental Issues
- Marketing
- Snow Removal
- Emergency Recovery of Turf on Athletic Fields
- Where Are We Going with Bermudagrass?



8:00 AM – 9:00 AM

Snow Removal

Doug Freer, Blue Moose Co., Inc.

9:00 AM – 10:00 AM

Management Strategies for Reducing Brown Patch on Tall Fescue

(CAT 8 – 1 HR)

Dr. Brandon Horvath, Virginia Tech, Dept. of Plant Pathology

This presentation will discuss current integrated management strategies for dealing with brown patch in tall fescue. Fungicide applications and new technology in granulars will make this an exciting presentation.

12:00 PM – 1:00 PM

How to Make Money Mowing Grass

Todd Pugh, Todd's EnviroScape

1:00 PM – 2:00 PM

Panel – Estimating Lawn & Grounds Work

Moderator: Mark Grunkemeyer, Buckeye Ecocare

Panelists: Doug Freer, Blue Moose Co., Inc., Tony Newport, Brickman/Ground-Masters and Todd Pugh, Todd's EnviroScape

2:00 PM – 3:00 PM

Busted! A Review of the 2007 Investigations and Enforcement Actions by ODA

(CORE – 1 HR)

Jim Belt, Ohio Department of Agriculture

In this session we will discuss consumer complaints, routine inspections and how we conduct our investigations and administer enforcement actions with Q & A afterwards.

3:00 PM – 4:00 PM

Maximizing Your Fertilizer Dollars

Brad Jakobowski, Nebraska University, Dept. of Agronomy & Hort.

Hands-on Seminar: Selecting fertilizers based on nutrient release, particle size and uniformity will help lawn & grounds managers maintain healthy turfgrasses and maximize their fertilizer purchases.

4:00 PM – 5:00 PM

Nutrient Dynamics in Lawn Care: Are There Really Environmental Dangers?

Dr. Chuck Darrah, CLC LABS

GOLF COURSE OWNERS/GENERAL MANAGERS

8:00 AM – 9:00 AM

Optimizing Revenue at Your Club

(CMAA – 1 HR)

Robert Green, Wedgewood Golf & Country Club

Optimize revenue opportunities for managers wanting the most from marketing and sales management efforts; we focus on the top 4 priorities for growing income.

9:00 AM – 10:00 AM

Liability and Risk Management

(CMAA – 1 HR)

Mark Farrell, Westfield Group CC

There are risks associated with everything we do in the golf business. Learn how to assess and evaluate which risks to take and which to act on to protect against injury, incident and increased cost and exposure for your operation.

10:00 AM – 11:00 AM

Membership Marketing – Sell Them/Keep Them

(CMAA – 1 HR)

Heidi Voss, Bauer Voss Consulting

Join a membership marketing expert to learn how your club can sell more memberships, retain your current members and provide value added services.

11:00 AM – 12:00 PM

Panel – Ask the Experts

(CMAA – 1 HR)

John Evans, GE Real Estate, Mark Farrell, Westfield Group CC, Robert Green, Wedgewood Golf & Country Club and Heidi Voss, Bauer Voss Consulting

Join a Real Estate Deal Leader, a Risk Manager, a Certified Club Manager and a Membership Guru for a rousing panel discussion fueled by your questions.

2:00 PM – 4:00 PM

The Golf Industry – Down But Not Out!

(CMAA – 2 HRS)

Jim Koppenhaver, Pellucid Corp.



A give-and-take discussion period that presents the numbers behind the current challenging golf environment and solicits "real world" feedback on facility-level conditions, challenges and success. Jim will outline underutilized tools in the battle for "share-of-golfer" (like your POS system) as well as new approaches such as Weather Impact analysis that progressive operators are employing to compete successfully in flat-to-declining market conditions.

GENERAL/MISCELLANEOUS LICENSE

8:00 AM – 9:00 AM

Industrial Weed Control

(CAT 5 – 1 HR)

Randy Zondag, OSU Extension – Lake Co.

12:00 PM – 1:00 PM

Perimeter Pest and Vertebrate (Mole) Control

(CAT 7 – .5 HR & CAT 10A – .5 HR)

Dr. David Shetlar, The Ohio State University, Dept. of Entomology

Household invading arthropods are effectively managed through perimeter treatments and modifications of the landscape. Mole control options now include a new bait as well as traditional trapping techniques.

1:00 PM – 2:00 PM

Emerald Ash Borer: Update and Management Options

(CAT 6A – 1 HR)

Dr. Dan Herms, The Ohio State University, Dept. of Entomology

Emerald ash borer will decimate ash throughout Ohio as it continues to spread. Management strategies for EAB will be reviewed, including insecticide options.

2:00 PM – 3:00 PM

Aquatic Weed Management

(CAT 3A – 1 HR)

Dr. William Lynch, The Ohio State University, School of Natural Resources

Aquatic plants pose problems for many Ohio ponds. Nutrient management as well as mechanical, biological and chemical strategies to manage aquatic plants will be presented.

3:00 PM – 4:00 PM

Tall Fescues and The New Heat Tolerant Bluegrasses: What We Are Learning About Their Diseases and Management

(CAT 8 – 1 HR)

Dr. Brandon Horvath, Virginia Tech, Dept. of Plant Pathology

SOD PRODUCTION

8:00 AM – 9:00 AM

What's New in Turfgrasses for Sod Production

Dr. Doug Brede, Jacklin Seed Co./JR Simplot

Dr. Brede has trialed over 13,000 experimental turf varieties on Ohio sod farms since 1996. He will show results of those trials along with new data on how to blend bluegrasses, based on a scientific paper he recently presented at the Beijing Turf Science meetings.

9:00 AM – 10:00 AM**The Environmental Impact of Lawns: Science and Perception***Dr. Parvinder Grewal, The Ohio State University, Dept. of Entomology*

Nowadays lawns are blamed for polluting the environment while there is substantial published data on their benefits. This presentation will provide a critical assessment of the environmental impact of lawns. The presentation will also cover the impact of long-term and short-term lawn establishment and management practices on water run-off, soil food webs, nutrient availability, and functioning of the lawn ecosystem.

10:00 AM – 11:00 AM**Brown Patch Management on Tall Fescue and Diseases of the New Heat Tolerant Blues: What Your Customers Need to Know! (CAT 8 – 1 HR)***Dr. Brandon Horvath, Virginia Tech, Dept. of Plant Pathology*

This presentation will focus on managing brown patch in tall fescue using IPM and also discuss the new heat tolerant bluegrasses.

11:00 AM – 11:30 AM**Yellow Nutsedge Control: What's the New Story (CAT 8 – .5 HR)***Dr. Dave Gardner, The Ohio State University, Dept. of Hort. & Crop Science*

New herbicide options for yellow nutsedge control will be presented.

HISPANIC TURFGRASS MANAGEMENT WORKSHOP (IN SPANISH)**1:00 PM – 2:00 PM****Basic Turfgrass Cultural Practices to Reduce Pest Problems
Prácticas culturales básicas en áreas verdes para reducir plagas (CAT 8 – 1 HR)***Alejandra Acuna, The Ohio State University*

This session will cover common cultural practices to maintain turfgrass quality and health that will assist in reduced pest problems. The primary cultural practices that will be discussed include mowing, fertilization, irrigation and auxiliary cultural practices like coring/aerification.

Esta clase cubrirá prácticas culturales comunes para mantener un césped sano y de calidad, las cuales ayudaran a reducir problemas causados por enfermedades e insectos. Las practicas culturales que seran discutidas incluyen corte, fertilizacion, riego y practicas auxiliares tales como aereacion.

2:00 PM – 3:00 PM**Safety and Proper Handling of Pesticides
Seguridad y Manejo de Pesticidas (CORE – 1 HR)***Samuel Contreras, The Ohio State University*

Learn about important practices to use in handling pesticides safely at your work place.

Aprenda acerca de seguridad y practicas importantes de uso cuando se manejan pesticidas en el trabajo.

3:00 PM – 4:00 PM**The Basics of Turfgrass Weed Control
Principios básicos para el control de malezas en el césped (CAT 8 – 1 HR)***Alejandra Acuna, The Ohio State University*

This session will cover principles and practices for effective weed control in turf with primary emphasis on the five most common weeds in each category of annual grasses, broadleaves and perennial grasses. It will also point out the application and timing strategies for maximum control with herbicides.

Esta sesion cubrira los principios y practicas para un control de malezas efectivo en el cesped con enfasis en las cinco malezas mas comunes en cada categoria de hoja angosta anual, hoja ancha y hoja angosta perene. Ademas cubrira estrategias de aplicacion para un maximo control de malezas con herbicidas.

EVENING WORKSHOP**7:00 PM – 9:00 PM****Turfgrass Insect Control Strategies Using New and Existing Insecticide Technology (CAT 8 – 2 HRS)***Dr. David Shetlar, The Ohio State University, Dept. of Entomology*

This evening with the BugDoc will emphasize holistic turf management and plant health care with thorough discussions on insect pest control programs that minimize insecticide use and maximize efficacy.

THURSDAY, DECEMBER 6

All sessions, topics and speakers are subject to change without notification.

GOLF TURF MANAGEMENT**8:00 AM – 9:00 AM****Sun Exposure: 30 Years of Exposure ... the rest of the Story!***Gary Rasor, Golf Course Consultant*

As professional turf managers, we expose ourselves to extended amounts of sunlight. How dangerous is this and what should you be doing to protect yourself and your employees.

9:00 AM – 10:00 AM**Groundwater Wells and Maintenance***Bob Hardin, HD Water Services***12:00 PM – 1:00 PM****New Insecticide Technology – Are We Using It Well? (CAT 8 – 1 HR)***Dr. David Shetlar, The Ohio State University, Dept. of Entomology*

New chemistry and combination products have broadened the spectrum of insect control. This session will cover the normal spectrum of insects found on Ohio golf courses and timing strategies to maximize insecticide efficacy.

1:00 PM – 2:00 PM**Over Seeding and Inter Seeding of Golf Turf: Good News and Bad News!***Dr. Karl Danneberger, The Ohio State University, Dept. of Hort. & Crop Science***2:00 PM – 3:00 PM****Turfgrass Disease Update on OSU Research, Dollar Spot & Problematic Diseases of 2007 with Q & A! (CAT 8 – 1 HR)***Dr. Mike Boehm and Joe Rimelspach, The Ohio State University, Dept. of Plant Pathology***SPORTS TURF MANAGEMENT ON A LOW BUDGET****8:00 AM – 9:00 AM****Emergency Repairs on a Low Budget (CAT 8 – 1 HR)***Pamela Sherratt, The Ohio State University, Dept. of Hort. & Crop Science*

An overview of practical and economical strategies for keeping fields safe and playable with limited resources.

9:00 AM – 10:00 AM**Equipment and Products I Couldn't Live Without***Dr. Dave Minner, Iowa State University*

Insight on what the biggest changes have been in the athletic field management business over the past 40 years.

10:00 AM – 11:00 AM**Best Management Practices for Sports Fields on a Tight Budget/ Maximizing Your Budget Dollars!***Dr. Dave Minner, Iowa State University*

1:30 PM – 2:30 PM

Management Tips and Ideas for Low Budget Baseball Fields

John Mott, The Ohio State University

2:30 PM – 3:30 PM

**Make the Correct Insecticide Decisions –
The BugDoc is Going to Save You Some Bucks!
(CAT 8 – 1 HR)**

Dr. David Shetlar, The Ohio State University, Dept. of Entomology

Not everyone can use the current “in vogue” insecticides because they are expensive. This session will cover the less expensive alternatives and timing strategies to maximize the more expensive products.

LAWN & GROUNDS TURF

8:00 AM – 9:00 AM

**Broadleaf Weed Control: Correlated Confusion Clarified
(CAT 8 – 1 HR)**

Dr. Dave Gardner, The Ohio State University, Dept. of Hort. & Crop Science

Several new herbicides and combination products have been introduced for broadleaf weed control and will be discussed in this session.

9:00 AM – 10:00 AM

Selecting Grasses for Problem Landscapes

Dr. Doug Brede, Jacklin Seed Co./JR Simplot

When and how to deviate from the usual lawngrasses into the more exotic grass species to solve specific site problems. Case study format.

10:00 AM – 11:00 AM

**Annual and Perennial Grassy Weed Control Options
(CAT 8 – 1 HR)**

Dr. Dave Gardner, The Ohio State University, Dept. of Hort. & Crop Science

Timing of application and product selection for maximum control will be discussed.

1:00 PM – 2:00 PM

**Drought Tolerant Grasses and Management Strategies
for Drought Survival**

Dr. Doug Brede, Jacklin Seed Co./JR Simplot

Just when you thought you knew all about drought, you'll find out: Everything you know about drought is wrong!

2:00 PM – 3:00 PM

**Panel – Optimizing Crabgrass Control Strategies – Pre and Post Emergence
(CAT 8 – 1 HR)**

Dr. John Street and Dr. Dave Gardner, The Ohio State University and Industry Reps

This panel will address the major factors that are required to ensure maximum efficacy of Pre and Post Emergence Herbicides and provide an update on new herbicides and herbicide combinations.

LAWN & GROUNDS ORNAMENTAL

8:00 AM – 9:00 AM

Top Performing Annuals for Midwest Landscapes

Pam Bennett, OSU Extension – Clarke County

9:00 AM – 10:00 AM

Landscaping with Flowering Trees and Shrubs

Jim Chatfield, OSU Extension – Wooster

10:00 AM – 11:00 AM

Strategies to Deal with Compacted Soils in the Landscape

Joe Boggs, OSU Extension – Hamilton Co., Piketon Research Center

1:00 PM – 2:00 PM

**Ornamental Bed/Landscape Weed Control
(CAT 6C – 1 HR)**

Randy Zondag, OSU Extension – Lake Co.

2:00 PM – 3:00 PM

**Panel – Optimizing Crabgrass Control Strategies – Pre and Post Emergence
(CAT 8 – 1 HR)**

Dr. John Street and Dr. Dave Gardner, The Ohio State University and Industry Reps

This panel will address the major factors that are required to ensure maximum efficacy of Pre and Post Emergence Herbicides and provide an update on new herbicides and herbicide combinations.

MECHANICS WORKSHOP

9:00 AM – 12:00 PM

Mechanics Workshop – Reel Technology Technicians Seminar

Jim Nedin, Century Equipment

This session is designed to help golf course superintendents and turf technicians gain a good understanding of reel mower application, quality of cut and after-cut appearance. Understanding reel technology concepts will aid in the development of reliable diagnostic practices for resolving after-cut appearance issues and improving turf quality.

ASSISTANTS/TECHNICIANS WORKSHOP

8:00 AM – 9:00 AM

**Procedures, Techniques and Tools for Making Proper Diagnosis
of Turf Problems
(CAT 8 – 1 HR)**

Joe Rimelspach, The Ohio State University, Plant Pathology

9:00 AM – 10:00 AM

**Simplicity in Making Fertilizer and Pesticide Calculations
(CORE – 1 HR)**

Dr. John Street, The Ohio State University, Dept. of Hort. & Crop Science

This seminar will provide the keys to understanding accurate calculations for the effective use of dry and liquid fertilizer/pesticide formulations, use rates of product and active ingredient per acre and per 1,000 square feet and determining total seasonal usage rates of fertilizers and pesticides from product usage rate recommendations.

10:00 AM – 11:00 AM

Basic Safety – Implementing a Basic Safety Program

Gary Hanson, RiskControl360°

Why you need to implement a basic safety program: Moral Responsibility, Legal Responsibility & Financial Responsibility. How implementing a basic safety program will impact your profitability.

1:00 PM – 2:00 PM

Succeeding as a Leader

Dr. Bernie Erven, The Ohio State University

Leaders most often succeed person by person. It will become apparent in this session why understanding the differences from one worker to the next is a critical leadership skill.

2:00 PM – 3:00 PM

**Interpreting the Pesticide Label to Ensure a Legal,
Safe and Environmentally Protective Workplace
(CORE – 1 HR)**

Joanne Kick-Raack, The Ohio State University, Dept. of Entomology

The label is the law. This session will test your knowledge of label language and requirements for legal use of pesticides.