

2016 DSTE ACTIVITIES



will be a part of the festivities. **Directions:** Located directly across the street from the host hotel at 105 Caillavet Street, Biloxi, MS 39530



Golf Tournament - The golf tournament will be held on Tuesday, October 11th at the Preserve Golf Club. The Preserve is an 18-hole course which has been integrated within an 1800-acre native preserve full of live oaks, cypress swamps, long leaf pines and native grass prairies designed by Jerry Pate. Bring your clubs and prepare yourself for a wonderful afternoon of golf with your peers. Lunch and two drinks will be included in your registration. **Directions:** 8901 Highway 57, Vancleave, MS 39565. Just 17 miles from Biloxi, travel east on I-10 and take exit 57 / MS-57. Turn north and the golf club will be two miles on the left.



Skeet and Trap Tournament- We have a special treat for our marksmen, a Skeet and Trap Tournament at the Coast Rifle and Pistol Club just minutes from the Beau Rivage in Biloxi. Participants will be treated to lunch, then will enjoy a friendly shooting competition of both skeeting and trapping at this fabulous facility. All participants must bring their own guns. No alcohol is allowed on the premises. **Directions:** 16706 Highway 67, Biloxi, MS 39532. Located just 8.5 miles north of I-10 on I-110. (I-110 becomes MS-15 on the north side of I-10, then eventually becomes MS-15N).



Sports Field Tour- Take a tour of the area's Sports Fields with Ken Edwards, CSFM as your personal tour guide on Tuesday, October 11th! The tour will include the Gulfport Sports Complex, Goldin Sports Complex and the new Biloxi Shuckers Stadium, plus lunch. Meet in the lobby of the Beau Rivage.



Spouse Activity/Schooner Cruise: Hop on board the Biloxi Schooner Wednesday afternoon, October 12th, while your spouse is in class. You will be treated to lunch and an afternoon cruising on the historic Biloxi Schooner along the Mississippi Sound. **Directions:** Schooner Pier Complex, 367 Beach Blvd., MS 39530. Located just to the east of The Beau Rivage (host hotel) between Hard Rock Casino and Harrah's.

GROW DEEP ROOTS AT THE 2016



Mississippi Coast Convention Center



Regional Turfgrass Conference and Show October 11-13, 2016 Biloxi, Mississippi

Register on-line at: www.DeepSouthTurfExpo.org

EXPO HIGHLIGHTS

- Over 30 educational sessions on the latest Turfgrass management topics
- Tradeshow with over 150 exhibitors featuring products and services for the Turfgrass industry
 - Business meetings for AGCSA, ATA, ATRF, GCGCSA, LMGCSA, MTA
 - Networking opportunities with industry peers and friends
- Activities for everyone's interest: Golf Tournament, Trap and Skeet Tournament, Sports Field Tour and Schooner Cruise for Spouses and Families
- State Pesticide Re-Certification Points from Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, & Tennessee
- CEUs from ASBA, GCSAA, IAA, NRPA, PLANET, ISA and PGMS

This regional show is designed exclusively for the turf manager including:

Golf Course Superintendents, Sports Field Managers (Institutions, Universities, Park and Recreation), Lawn Care Operators, Landscapers, Sod Producers and Grounds Managers

Hosted by: Alabama Chapter GCSAA, Alabama Turfgrass Association, Gulf Coast Chapter GCSAA, Louisiana-Mississippi Chapter, Mississippi Turfgrass Association

REGISTER NOW!

October 11-13, 2016
Mississippi Coast
Convention Center
Biloxi, Mississippi

www.DeepSouthTurfExpo.org

Auburn, AL 36831

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Mississippi Coast Conference Center, Biloxi, MS
October 11-13, 2016

SCHEDULE OF EVENTS

Tuesday, October 11

8 am – 9:30 am Annual Business Meetings
8:00 am – 8:30 am ATRF; MTA
8:30 am – 9:00 am ATA and LMGCSA
9:00 am – 9:30 am AGCSA and GCGCSA
10 am – 2 pm Exhibitor Move-in (**Heavy Equipment Only**)
12 pm Golf Tournament at The Preserve, **Sponsored by BWI companies**
Skeet and Trap Tournament at Coastal Rifle and Pistol Club, **Sponsored by Aquatrols, Inc.**
Sports Field Tour (**meet in lobby of Beau Rivage**)
2-5 pm Exhibitor Move-in
6 pm Past President's Reception, Sponsored by Greenville and Beard Equipment. (**invitation only**)
7 pm Home Run Derby and Dinner @ MGM Park-Home of the Biloxi Shuckers **Sponsored by Harrells Bayer**

Wednesday, October 12

8 am – 12 pm Exhibitor Move-in (Hand Carry Only)
8 am General Session
Choosing the Correct Weed Control Program, Turfgrass Cultivar, and Light Beer: Deciphering Opinion, Data, and Marketing to Make the Best Decision- Scott McElroy, Auburn University. The process of choosing the correct weed control program for a turfgrass system is a similar process to choosing any other product in a complex market. This seminar will focus on real-world weed management issues to discuss how data is generated, how opinions can be biased, and how marketing can manipulate customers. Attendees will be informed on new weed control products and techniques for key weed species in the southeastern United States. In addition, attendees will be better equipped to see through the noise of data, opinion, and marketing to select other herbicide and practices for their weed control issue.
9 am **The Drainage Debacle – Issues in Constructed Roofzone, Bill Kreuser, Ph.D. University of Nebraska.** This seminar will describe soil chemical properties that can lead to iron-layer formation in sand-based turf systems. Understand the impact of clay content on putting green performance and understand the potential risks that bicarbonate in irrigation water has on physical properties of sand-based turf systems.
10 am – 12 pm Educational Breakout Sessions

	Weed Management	Fertility & Soils	Insect Disease
10:00 am	Knowst Thou Herbicide Modes of Action Turfgrass weed management requires unique understanding of pesticide properties—how they kill plants, and which ones are similar or different. Rotating modes of action and using combinations or tank mixtures of different herbicides is a critical skill in the battle against herbicide resistance and reduced weed control. Don't miss this opportunity to sharpen your skills as a weed scientist. Jay McCurdy, Ph.D., Mississippi State University	Turfgrass Response to Fe, Mn and Mg Raw Materials Attendees will learn to understand the role of (Iron), Manganese, and Magnesium in turfgrass physiology, the differences among Fe, Mn and Mg raw materials, and how and why turfgrass responds (or does not respond) to Fe, Mn and Mg. Travis Shaddox, Ph.D., University of Florida	Neonicotinoids and its Effect on Bees It is no longer debatable that neonicotinoids, one of the more powerful insecticide chemistries, can negatively impact pollinators. This presentation will focus on the key issues related to pollinator interactions with turfgrass pesticides. Participants will learn to be better stewards of both pollinators and the pesticides chemistries used to manage pests of turfgrass in lawns, sports fields, and on golf courses. David Held, Ph.D., Auburn University
11:00 am	Herbicide Chemistry, Application and Movement We will discuss the different herbicides registered for use in turfgrass detailing their mode of actions, plant uptake, and behavior in the soil. We will emphasize on how herbicides move in the soil after application and their degradation, and how these processes affect herbicide efficacy, turfgrass safety, and the environment. Additionally, we will cover how to determine the proper herbicide rate depending on herbicide behavior in the soil and weed control needs when the label provides a range of rates. Ramon Leon, Ph.D., University of Florida	Maximizing Foliar Fertilizers Attendees will learn how foliar fertilizers work in the plant and how quickly nutrients are plant available. Different types of foliar fertilizers and the effectiveness of each will be covered. Beth Guertal, Ph.D., Auburn University	Nematode Control for Warm Season Turf Attendees will be able to understand the biology of different types of plant-parasitic nematodes that damage warm season turfgrasses and the relative strengths and weakness of current management strategies. That knowledge will then be used to select the most effective, sustainable, and economical management strategies for the nematode(s) of concern. Billy Crow, Ph.D., University of Florida

11 am – 1 pm Spouse and Family Schooner Cruise (**Meet at Schooner Pier Complex**)
12 noon Luncheon; tradeshow opening **Luncheon sponsored by Jacobsen**
12 pm – 6 pm Tradeshow Open **Trade Show bags sponsored by Sod Solutions**
(Attendees will go by all 36-hole challenge participants to get scorecards stamped. Scorecards can be redeemed during reception for beverages. Exhibitors, be sure to register to be a hole sponsor!)

	Tradeshow Talks (on small stage in tradeshow)
1:40 pm	Hacking Putting Green Speed – Scott McElroy, Ph.D., Auburn University Green speed is traditionally measured with a stimp meter, but this is more for putting quality than speed. Learn about new technology that can quantify not only speed, but trueness and smoothness of a green.
2:40 pm	How Much Light is Your Turf Receiving? – Beth Guertal, Ph.D., Auburn University Attendees will learn how to quantify the amount of light your turf is receiving, the physiology behind why shade is detrimental to turfgrass growth and development, and cultivar differences in response to shade stress.
3:40 pm	New Turfgrass Varieties – Wayne Philley Wayne Philley is a senior research associate with the Mississippi State University Department of Plant and Soil Sciences. Dr. Philley's specialty is Turfgrass Breeding and Evaluation. His research was instrumental the development of four new and improved Bermudagrass cultivars.

4 pm – 6 pm Reception & Silent Auction on Tradeshow Floor **Sponsored by Jerry Pate Turf & Irrigation**
(Attendees turn in score cards from 36-hole challenge for beverages.)

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HOST HOTEL

Our host hotel, the Beau Rivage, is a Four Diamond Development by MGM Resorts International that sits directly on the Gulf of Mexico in Biloxi, MS. The **Deep South Turf Expo** has secured a room rate of \$99 for Expo attendees.

Call the hotel directly at 1-888-567-6667 to make your reservations. Be sure to mention you are with Deep South Turf Expo to get the discounted room rate. Don't delay! - Our room rate is only available until September 11, 2016

Booths are still available for the 2016 show, go to www.DeepSouthTurfExpo.org

SPEAKER BIOS

Tom Burns
Tom Burns is a sports field irrigation specialist. He currently works with Ewing Irrigation and Landscape Supply. In 2009, Tom was presented with the Harry C. Gill Award from the Sports Turf Managers Association (STMA), the association's highest award representing a commitment and service to the sports turf industry. Tom has also been named the Florida State League Groundskeeper of the Year five times, the Gulf Coast League Groundskeeper of the Year (1992) and the STMA Baseball Field of the Year (1988).

William T. (Billy) Crow, Ph.D.
Dr. William T. (Billy) Crow is an Associate Professor and Landscape Nematologist at the University of Florida. He leads The University of Florida Landscape Nematology Lab, which is the premier laboratory dedicated to diagnosis and management of plant-parasitic nematodes affecting turfgrasses and ornamental plants.

Geoff Denny, Ph.D.
Dr. Geoff Denny is an Assistant Extension Professor at Mississippi State University in the Plant & Soil Sciences Department. He specializes in Commercial Ornamental Horticulture.

Chris Francis
Chris Francis is an ISA Certified Arborist, ALNLA Certified Landscape Professional, and is Alabama State Licensed in Tree Surgery, Landscape Design, Setting of Landscape Plants, and Ornamental Turf Pest Control Supervisor.

Beth Guertal, Ph.D.
Dr. Beth Guertal is a Professor in Crop, Soil and Environmental Sciences Department at Auburn University. She holds a Ph.D. in Soil Science from Oklahoma State University, a Master's degree in Soil Science from The Ohio State University, and a Bachelor's degree in Agriculture from the Ohio State University. Her research focuses on Environmental Turfgrass Management.

David Han, Ph.D.
Dr. David Han is an Associate Professor and Turfgrass Specialist for Auburn University in the Crop, Soil and Environmental Sciences Department and the Alabama Cooperative Extension System. He earned his Ph.D. from The Ohio State University and earned his Master's and Bachelor's degrees from Cornell University. He also serves as the Educational Director for the Alabama Turfgrass Association.

David Held, Ph.D.
Dr. David Held is an Entomologist/Assistant Professor in the Department of Entomology and Plant Pathology at Auburn University. His area of interest is the ecology and management of phytophagous insects, particularly those pests attacking turfgrass and ornamental plants. He received a Bachelor's Degree in Horticulture with a Minor in Pest Management from the University of Kentucky and a Master's Degree and Ph.D. in Entomology from the University of Kentucky.

Bill Kreuser, Ph.D.
Dr. Bill Kreuser is an Assistant Professor in the Department of Agronomy and Horticulture at the University of Nebraska-Lincoln. He is an Extension Turfgrass Specialist with a focus in turfgrass soil and water management. He received a Bachelor's and Master's Degree in Soil Science from the University of Wisconsin-Madison and a Ph.D. in Horticulture from Cornell University.

Ramon G. Leon, Ph.D.
Dr. Ramon G. Leon is an Assistant Professor in Weed Science at the University of Florida. He received a Bachelor's Degree in Agronomy from the University of Costa Rica, a Master's Degree in Crop Production and Physiology-Seed Science and Weed Science from Iowa State University, a Ph.D. in Genetics from Iowa State University, and a Ph.D. in Crop Production and Physiology-Seed Science and Weed Science from Iowa University.

Bruce Martin, Ph.D.
Dr. Bruce Martin is a professor in the Entomology, Soils, and Plant Sciences and Plant Pathology and Physiology Departments at Clemson University. He received a B.S. from Hendrix College, an M.S. from the University of Arkansas, and a Ph.D. from North Carolina State University. His research consists of development of fungicide programs for turfgrass disease management, integrated nematodes in turfgrass, diseases of turf caused by Rhizoctonia species, and the biology and control of rapid blight of turfgrass.

Jay McCurdy, Ph.D.
Dr. Jay McCurdy is an Assistant Professor and Turfgrass Extension Specialist in the Department of Plant and Soil Sciences at Mississippi State University. He earned a Bachelor's degree in Plant and Soil Sciences from the University of Tennessee-Martin, a Master's degree in Plant Sciences from the University of Tennessee-Knoxville, and a Doctorate in Agronomy and Soils from Auburn University. He serves as academic liaison for the Louisiana Mississippi Golf Course Superintendent's Association, the Mississippi Turfgrass Association and the Deep South Turf Expo.

Scott McElroy, Ph.D.
Dr. Scott McElroy is a Professor of Weed Science at Auburn University's Crop, Soil and Environmental Sciences Department. Scott serves as the educational advisor for the Alabama Golf Course Superintendents Association, as well as the Education Committee Chairman for the Deep South Turf Expo.

Ken Morrow
Ken Morrow received a Bachelor's and Master of Science degree in Agricultural Economics from Auburn University. Ken and partner, Rick Hornsby, joined with Aaron McWhorter of North Georgia Turf in 1997 to found The Turfgrass Group in Marshallville, GA. The company, with its licensed growers, is focused on the production and marketing of a Georgia developed centipede named TifBlair and the zoysia cultivars developed by Bladerunner Farms.

Wayne Philley
Wayne Philley is a senior research associate with the Mississippi State University Department of Plant and Soil Sciences. Dr. Philley's specialty is Turfgrass Breeding and Evaluation. His research was instrumental the development of four new and improved Bermudagrass cultivars.

Michael Seymour, Ph.D.
Michael Seymour is an Associate Professor in the Department of Landscape Architecture at Mississippi State University. He received an MLA, from Louisiana State University an BFA from Centenary College of Louisiana. He is also a member of the Mississippi Chapter of the American Society of Landscape Architects.

Travis Shaddox, Ph.D.
Dr. Travis Shaddox is an Assistant Professor in Turfgrass at the University of Florida. He received a Bachelor's Degree in Horticulture and Landscape Architecture from Oklahoma State University and a Master's Degree and Ph.D. in Soil and Water Science from the University of Florida. Dr. Travis Shaddox develops best management practices for lawn, golf, sport turf, and sod industries.

Barry Stewart, Ph.D.
Dr. Barry Stewart is an Associate Professor of Plant and Soil Sciences at Mississippi State University. He teaches courses in Turfgrass management and plant science. The focus of his research has been on Turfgrass and soil interactions. He received his Ph.D. in Crop and Soil Environmental Sciences from Virginia Tech in 1996 and has been a faculty member at Mississippi State since 2000.

Sonja Thomas, Ph.D.
Dr. Sonja Thomas is an Administrator of Outreach Programs with the Alabama Cooperative Extension System Administration. Her program areas include Agronomic Crops, Animal Science and Forages, and Commercial Horticulture. She also specializes in Pesticide Applicator Training Programs.

Maria Tomaso-Peterson, Ph.D.
Maria Tomaso-Peterson is Associate Research Professor, Turfgrass Pathology, Department of Biochemistry, Molecular Biology, Entomology and Plant Pathology, MSU. Research efforts are focused on etiology, epidemiology, and disease management of turfgrass diseases. Disease diagnostics of residential and golf course turfgrasses led to the characterization of new diseases. Dr. Tomaso-Peterson teaches a split-level course, Turfgrass Diseases, a required course in the Golf and Sports Turf Management curriculum at MSU and is currently advising three graduate students.

Bryan Unruh, Ph.D.
Dr. J. Bryan Unruh is a Professor of Environmental Horticulture at the University of Florida, IFAS, West Florida Research and Education Center, where he has held a faculty position since 1996. Dr. Unruh received his Ph.D. in 1995 from Iowa State University and his M.S. and B.S. degrees from Kansas State University in 1991 and 1989, respectively. Dr. Unruh's integrated turfgrass science research and extension program focuses on water quality (nutrient impairment) and quantity (drought), pest management, and new cultivar development. Results from his team's work are included in all three Florida turf industry Best Management Practice (BMP) manuals.

CUT ON DOTTED LINE

Mississippi Coast Convention Center Biloxi, Mississippi October 11 - 13, 2016

Registration Form

Fields marked ❖ are required.

❖Company: _____
❖Address: _____
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❖Contact Name: _____ ❖Phone: _____ Fax: _____
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❖Industry Segment (Please check all that apply)

<input type="checkbox"/> Golf	<input type="checkbox"/> Landscaper	<input type="checkbox"/> Sod Producer	<input type="checkbox"/> Sports Fields
<input type="checkbox"/> Lawn Care	<input type="checkbox"/> Landscaper Contractor	<input type="checkbox"/> Landscape Architect/Designer	<input type="checkbox"/> Right of Way/DOT
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Auction Donation - Proceeds support Turfgrass Research. Cash donations can be made below.

If donating an item please provide the following information

Auction Item: _____ Value: _____

Complete Expo Registration (Includes all educational sessions, trade show, plus all meals including Dinner)

By Oct. 7- \$250 After Oct. 7- \$300

Trade Show Only (Exhibit Hall access and all meals served in the Exhibit Hall)

By Oct. 7- \$75 After Oct. 7- \$100

Employee First Name: _____ Last Name: _____

Email: _____

Golf Tournament (Tuesday, Oct. 11, 12:00 p.m.)	Quantity: _____	By Oct. 7- \$125 each	Charge: _____
Golfer Information: HC _____ Please pair me with _____			
Trap & Skeet Tournament (Tuesday, Oct. 11, 12:00 p.m.)	Quantity: _____	By Oct. 7- \$100 each	Charge: _____
Sports Field Tour (Tuesday, Oct. 11, 12:00 p.m.)	Quantity: _____	By Oct. 7- \$50 each	Charge: _____
Home Run Derby Dinner (Tuesday, Oct. 11, 11:00 p.m. @ MGM Park)	Quantity: _____	By Oct. 7- \$50 each	Charge: _____
Spouse Activity/Schooner Cruise (Tuesday, Oct. 11, 11:00 a.m.)	Quantity: _____	By Oct. 7- \$50 each	Charge: _____
Turfgrass Research Support Donation (In increments of \$5)	Quantity: _____	By Oct. 7- \$5 each	Charge: _____
*All activities above are \$25 more when purchased on-site.			

Payment Type

☐ Check ☐ VISA ☐ Mastercard ☐ Amex ☐ Discover TOTAL CHARGE: \$ _____
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**For assistance with registration, please call (256) 852-4490 or email: dste@condorregistration.net
Please complete form and mail to DSTE, P.O. Box 3348, Huntsville, AL 35810. If paying by check, please make out to DSTE and include.**

Refund requests must be received in writing to the Registrar no later than September 11, 2016.

Refunds will be issued minus a \$75 administrative fee.

No refund will be issued for requests after September 11, 2016

Registration is available on-line at www.DeepSouthTurfExpo.org and condorregistration.net/DSTE

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The **36-Hole Challenge** is an interactive game among the sponsoring exhibitors and attendees. Attendees will take their scorecards around the tradeshow and play 36-holes of golf by visiting each sponsor. Each 18-Hole scorecard will earn you a drink at the reception at the end of the tradeshow. Scorecards will be available at the registration desk.

2016 Deep South Turf Expo
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Deep South Turf Expo Future Dates

November 7-9, 2017
October 30 – November 1, 2018
October 1 – 3, 2019

SCHEDULE OF EVENTS - Continued

Thursday, October 13
7 am – 8 am Continental Breakfast in hallway
8 am – 12 pm Educational Breakout Sessions

	Golf	Lawn Care	Sports Turf	Sod Production	Landscape
8:00 am	The Growing Degree Day Model for Primo Application on Putting Greens Attendees will understand how temperature impacts the performance of PGRs, understand how base temperatures impact growth and development of turf, become knowledgeable of how PGRs impact plant health and fertilization requirements, describe soil chemical properties that can lead to iron-layer formation in sand-based putting greens, understand the impact of clay content on putting green performance, and understand the potential risks that bicarbonate in irrigation water has on physical properties of sand-based turf systems. Bill Kreuser, Ph.D., University of Nebraska	Management of Centipede & St. Augustine grass Centipedegrass and St. Augustine grass are the predominant lawn grasses grown in the region. Attendees will gain a thorough understanding of the cultural practices needed to properly manage these two species to minimize environmental impact and maximize turf health. As a result, pest pressure will be reduced leading to fewer pesticide inputs. Bryan Unruh, Ph.D., University of Florida	Baseball Infield Management: Become a Dirt Expert Understand how moisture management is the key element in skin area behavior, soil particle size and how it determines infield skin properties, infield skin conditioners and topdressing and how to use them, and infield skin management strategies used at different levels of field expectations. Barry Stewart, Ph.D., Mississippi State University	Pre-emergence Herbicides for Sod Production Sod producers face unique challenges during grow-in and harvest. Use of preemergence herbicides often hinder sod grow-in and may decrease harvestability. This presentation assists producers in herbicide selection with special consideration of their unique scenario. Jay McCurdy, Ph.D., Mississippi State University	Proper Planting and Pruning of Shrubs and Trees Attendees will learn about plant selection, plant placement, nursery standards, arborist standards, and pruning techniques for health and structure. Chris Francis, Chris Francis Tree Care
9:00 am	Deciphering the Interactions of Primo, Nitrogen & Management Attendees will learn to understand plant growth regulator (PGR) chemistry and how different PGR products regulate the growth of bermudagrass, understand what is a growing degree day model and the importance of the base temperature, and management recommendations (mowing height, fertility, and PGR use) for the next generation of bermudagrass putting green genetics. Jim Harris, Austin Brown and Scott McElroy, Ph.D., Auburn University	Bermudagrass Cultivar Selection & Management Attendees will become familiar with the characteristics of newer bermudagrass, learn how these newer varieties differ from older bermudagrasses (i.e. why they were released in the first place), and understand how to use and maintain new bermudagrass varieties, especially where these practices may differ from more familiar varieties such as Tifway. Dave Han, Ph.D., Auburn University	Non-Herbicidal Strategies to Managing Annual Bluegrass Attendees will learn how different soil variables such as pH may affect populations of annual bluegrass. The effects of cultivation, vertical mowing and other turfgrass management tools of annual bluegrass will be discussed. Beth Guertal, Ph.D., Auburn University	New Worker Protection Standards: How they Affect Your Business Attendees will learn about New Worker Protection Standard changes and how they affect you and your employees, how and when to comply with the new changes, and information about Train the Trainer events and annual trainings. Sonja Thomas, ACES	Colorful Commercial Landscapes Attendees will learn the esthetic benefits of adding color to landscapes, what are appropriate pairings and their maintenance program. Geoff Denny, Ph.D., Mississippi State University
10:00 am	Blights of Bermudagrass Putting Greens This presentation will review disease development of golf course putting green turfgrass as well as application strategies for successful disease control. Maria Tomaso- Peterson, Ph.D., Mississippi State University	Disease Management for Warm Season Lawns Participants will learn the characteristics for diagnosis of major diseases of warm season lawns, recognize environmental factors promoting these diseases, and learn the major cultural and chemical controls for managing these diseases. Bruce Martin, Ph.D., Clemson University	Irrigation Maintenance and Design for Sports Fields This session will discuss factors in designing and maintaining your sports field irrigation system including soil-water-plant relationships, advanced hydraulics, electricity, pumps, specialty valves and irrigation equipment. Tom Burns, Ewing Irrigation	Sod Farm Nutrient Management It is well documented that nutrient leaching and runoff from established healthy turf is negligible. However, nitrogen leaching and runoff events could occur during sod production while waiting for the plants to establish. In addition to the environmental implications that result from the loss of the nutrients, there is a significant economic cost that negatively impacts the financial security of the sod producers, both individually and as an industry. Nutrient management strategies that maximize production and minimize environmental impact will be discussed. Bryan Unruh, Ph.D., University of Florida	Designing Sustainable Landscapes Lecture attendees will be able to identify the purpose of the top ten sustainable landscape project types in the post lecture assessment, identify the name, intent and applications of the Sustainable Sites Initiative in the post lecture assessment, and identify and example of an "ecosystem service" in the post lecture assessment. Michael Symour, Ph.D., Mississippi State University
11:00 am	Disease & Nematode Management for Bermudagrass Greens Participants will understand the relative impact of the major genera of nematodes to bermudagrass greens, learn about the relative efficacy of new controls for nematodes, and be able to devise a strategy for nematode management after attending this presentation. Bruce Martin, Ph.D., Clemson University	Weed Management in Centipede & St. Augustine We will cover the biology of the most problematic weed species and mention herbicides that are key for proper weed control in these two turfgrass species. Also, we will explain environmental conditions that can increase the risk of turfgrass phytotoxicity, and how to maximize this problem. Finally, we will illustrate how to integrate cultural practices and herbicides to develop integrated weed management programs for these turf grasses. Ramon Leon, Ph.D., University of Florida	Weed Management on a Shoe String Budget Weed free sports turf doesn't have to break the bank. Dr. McCurdy presents an integrated approach to managing athletic fields that reduces weeds and requires fewer pesticides. Proven programs will be presented with a full range of budgets in mind. Jay McCurdy, Ph.D., Mississippi State University	Turfgrasses in Changing Times This session will be an overview of the state of the turfgrass industry and its trends and future impacts on the landscape, sports turf and golf sectors with an emphasis on the sod industry. Ken Morrow, The Turfgrass Group	Irrigation Troubleshooting This session will review various field tests for your irrigation system and how to calculate accurate watering schedules. Tom Burns, Ewing Irrigation

8 am – 12 pm Exhibitor Break-Down
12 pm Conference Adjournment; CEU sign-ups