

Tuesday, December 5

7:30 am	Registration (North Entrance) & Exhibitor Set-up (Exhibit Hall)				
	Basic Turfgrass Pioneer Room	Landscape, Nursery & Ornamentals Shawnee B/C Room <i>Cheryl Boyer, Moderator</i>	Disease, Insects, Weeds Sunflower Room <i>Rodney St. John, Moderator</i>	Advanced Turf Management Shawnee A Room <i>Matt Miller, Moderator</i>	Business Management River Room <i>Mike Kipper, Moderator</i>
8:00-9:00 am			Core Hour: Laws, Safety & Environmental Concerns - <i>Duane Simon</i>		
9:00-9:30 am	Turfgrasses for KS - <i>Steve Keeley</i>	Easy Care Viburnums for the Landscape - <i>Gregg Eystone</i>	Don't Get "Chewed-Up" by Caterpillars - <i>Raymond Cloyd (3A & 3B - 1 hr)</i>	Developing a Water Budget for your Facility - <i>Charles Fontanier</i>	Starting Up a New Business? - <i>Tom Hintz</i>
9:35-10:05 am	Soils - <i>Ward Upham</i>				
10:05-10:20 am	BREAK - Coffee & Donuts				
10:20-10:50 am	Turfgrass Weeds - <i>Nic Mitchell (3B - .5 hr)</i>	Small Trees for Small Landscapes - <i>Jason Griffin</i>	Organic Lawn & Landscape Care: What the Research Shows - <i>Steve Keeley (3A & 3B - 1 hr)</i>	Dealing with Grubs in Turfgrass - <i>Raymond Cloyd (3B - 1 hr)</i>	Financial Management: Investing in your Future - <i>Sam Patterson</i>
10:55-11:25 am	Mowing Basics - <i>Jack Fry</i>				
11:30 am - Noon	Turfgrass Diseases - <i>Megan Kennelly (3B - .5 hr)</i>	Reducing Deer Damage in your Landscape - <i>Charlie Barden</i>	Basic Pesticide Calibration - <i>Charles Fontanier (3A & 3 B - .5 hr)</i>	Evaluating Seeded Zoysia/Tall Fescue Mixtures for Enhanced Winter Color and Brown Patch Reduction - <i>Mingying Xiang (3B - 0.5 hr)</i>	
Noon - 1:15 pm	LUNCH (On Your Own)				Mechanics River Room
1:15-1:45 pm	Turfgrass Insects - <i>Ward Upham (3B - .5 hr)</i>	Award Winning Annuals for Kansas - <i>Cheryl Boyer</i>	New Fungicides for Turf Disease Control - <i>Bruce Martin (3B - .5 hr)</i>	Turfgrass Minimum Light Requirements - <i>Charles Fontanier</i>	2-Cycle Maintenance - <i>Stan Woodfin</i>
1:50 - 2:15 pm	Fertilization - <i>Mingying Xiang</i>		Controlling Perennial Weeds - <i>Jared Hoyle & Nic Mitchell (3B - .5 hr)</i>		
2:15 - 2:30 pm	BREAK				
2:30 - 3:00 pm	Irrigation - <i>Dale Bremer</i>	Mulching Mayhem: The Facts & Myths About Mulching - <i>Matthew McKernan</i>	2017 Disease Highlights - <i>Judy O'Mara (3A -1 hr)</i>	Plant Health Aspects Associated with Fungicides - <i>Bruce Martin (3B - .5 hr)</i>	
3:05 - 3:35 pm	Cultivation - <i>Evan Alderman</i>			Don't FRET, Use MESONET - <i>Dale Bremer</i>	
3:35 - 6:00 pm	TRADE SHOW - Meet with vendors, network, and chat with speakers in an informal setting. Meet the Pests! Come on down to the trade show for an interactive exhibit of turf & landscape pests. You can complete this only one time during the conference, for a total of 0.5 hr of 3A & 3B.				

Wednesday, December 6

7:30 am	Registration (North Entrance)
General Session - Sunflower Room (<i>Wes Kleffner, Moderator</i>)	
8:00 - 8:10 am	Welcome and Opening Remarks - <i>Wes Kleffner, KTF President</i>
8:10 - 8:40 am	Managing Diseases in Kansas Lawns - <i>Bruce Martin</i> (3B - .5 hr)
8:40 - 9:30 am	Your Best Defense is a Good Offense: Management Practices to Reduce Pesticide Use - <i>Gregg Munshaw</i> (3A & 3B - 1 hr)
9:30 - 9:40 am	AWARDS
9:40 - 10:30 am	KSU Research Overview - <i>KSU Turfgrass & Horticulture Team</i> (3A & 3B - 1 hr) Each participant will be given a raffle ticket at the beginning of the General Session. Two lucky winners will each receive two tickets to the K-State vs. Tulsa basketball game in Wichita on December 9, 2017.
10:30 - 1:00 pm	Round Table Talks in Trade Show - Meet the Speakers! Have a question for one of the speakers? Come meet, talk and ask questions in an informal setting in the trade show. Meet the Pests! <i>An interactive exhibit of turf & landscape pests.</i> (3A & 3B - 0.5 hr) LUNCH (served at 11:30 a.m.) Visit with Exhibitors

	Golf Course Sunflower Room <i>Ron Reese, Moderator</i>	Sports Turf Pioneer Room <i>Wade Wilbur, Moderator</i>	Landscape Shawnee B/C Room <i>Cheryl Boyer, Moderator</i>	Lawn Care Shawnee A <i>Wes Kleffner, Moderator</i>
1:00-1:50 pm	Developing a Disease Management Strategy for Bentgrass Putting Greens - <i>Bruce Martin</i> (3B - 1 hr)	Managing Bermudagrass Fields in Cool Climates - <i>Gregg Munshaw</i>	When the Ash are Gone, what will be our Next Monoculture? - <i>Tim McDonnell</i> (3A - 1 hr)	The Fundamentals of Irrigation Design - <i>Cathie Lavis</i>
1:50 - 2:00 pm	Break			
2:00 - 2:50 pm	GCSAA Best Management Practices by 2020: U.S. and Kansas Perspectives - <i>Shelia Finney, Jack Fry & K-State Golf Course Management students</i> (3B - 1.5 hrs)	Improving Native Sports Fields - <i>Gregg Munshaw</i>	Wildlife Problems in the Landscape - <i>Charlie Lee</i> (3A & 3B - 1 hr)	New and Old Products for Difficult to Control Weeds - <i>Jared Hoyle</i> (3B - 1 hr)
3:00 - 3:30 pm		IPM for Sports Turf Managers - <i>Evan Alderman</i> (3B - .5 hr)	A Peek Under the Microscope: How Pathogens Reproduce, Spread, and Infect Plants - <i>Megan Kennelly</i> (3A - .5 hr)	Organic Pest Control for the Lawn: What Works and What Doesn't? - <i>Steve Keeley</i> (3B - .5 hr)
3:30-5:30 pm	TRADE SHOW - Meet with vendors, network, and chat with speakers in an informal setting. <i>Free refreshments.</i>			
5:15 pm	Raffle Drawing - Each year our vendors provide prizes ranging from fun to functional. The donations help support our undergraduate scholarship program. Buy some tickets! You could be one of the lucky ones to walk away with a great prize!			
6:00 pm	Take down time for exhibitors (or Thursday morning).			

Thursday, December 7

General Session - Shawnee A Room (<i>Jared Hoyle, Moderator</i>)	
8:30 - 9:25 am	Savings Associated with Input-Limited Fairway Management in the North Central U.S. - <i>Cole Thompson</i>
9:30 - 10:00 am	Zoysia Seedhead Suppression - <i>Jared Hoyle</i> (3B - .5 hr)
10:00 am	BREAK - Coffee and Donuts
10:30 am	"Heat and Drought - We're Ready" - <i>Kevin Fateley, Austin Murphy, Nic Youngers</i>
11:30 am	Adjourn & Commercial Pesticide Applicators Exam (3A & 3B) - Homestead Room

SPEAKERS

Evan Alderman, Southeast Community College, Beatrice, NE
Charlie Barden, Horticulture, K-State
Cheryl Boyer, Horticulture, K-State
Dale Bremer, Horticulture, K-State
Raymond Cloyd, Entomology, K-State
Gregg Eyestone, Riley Co. Extension, Manhattan, KS
Kevin Fateley, Wildcat Creek Fun & Fitness, Manhattan, KS
Shelia Finney, GCSAA, Lawrence, KS
Charles Fontanier, Horticulture & Landsc. Architecture, Oklahoma State Univ., Stillwater

Jack Fry, Horticulture, K-State
Jason Griffin, Horticulture, K-State
Tom Hintz, Varney & Associates, Manhattan, KS
Jared Hoyle, Horticulture, K-State
Steve Keeley, Horticulture, K-State
Megan Kennelly, Plant Pathology, K-State
Cathie Lavis, Horticulture, K-State
Charlie Lee, Wildlife Control, K-State
Bruce Martin, Pee Dee Research & Education Cntr., Clemson Univ., Florence, SC
Tim McDonnell, Kansas Forest Service, Haysville, KS
Matthew McKernan, Sedgwick Co. Extension, Wichita, KS

Nic Mitchell, Horticulture, K-State
Gregg Munshaw, Plant & Soil Science, University of Kentucky, Lexington
Austin Murphy, Indian Hill GC, Chapman, KS
Judy O'Mara, Plant Pathology, K-State
Sam Patterson, Edward Jones, Overland Park, KS
Duane Simon, KDA, Topeka, KS
Cole Thompson, Univ. of Nebraska-Lincoln
Ward Upham, Horticulture, K-State
Stan Woodfin, Crader Dist. Co.-Stihl, Marble Hill, MO
Mingying Xiang, Horticulture, K-State
Nic Youngers, Rolling Meadows GC,

PRESENTATION DESCRIPTIONS

Tuesday, December 5

Basic Turfgrass - Pioneer Room

A series of presentations that cover the basic knowledge needed to manage turf in the Midwest. A great starting point for new employees.

Landscape, Nursery & Ornamentals - Shawnee B/C

Easy Care Viburnums for the Landscape - *Gregg Eyestone*
Review K-State's viburnum study and additional species and cultivars that are being grown in Kansas.

Small Trees for Small Landscapes - *Jason Griffin*

Not every landscape has space for the mighty oak or the nostalgic American elm. In this session we will discuss some trees that can be used when space is limited.

Reducing Deer Damage in your Landscape - *Charlie Barden*

Attendees will learn how to reduce deer damage to plants in their landscape, including selecting deer-resistant species, using physical and chemical barriers, and other strategies.

Award Winning Annuals for Kansas - *Cheryl Boyer*

The K-State Prairie Star Flowers trial program evaluated 580 cultivars from around the world in 2017. New drain tile, flower bed renovation, and great weather made for an outstanding year for bedding plants at the Olathe Horticulture Research and Extension Center (demo gardens around the state as well). See new plant introductions and award winners!

Mulching Mayhem: The Facts & Myths About Mulching - *Matthew McKernan*

Do you know the power of mulch? Do your customers? Preventing weeds, saving water, and getting 2-3 times the amount of plant growth, just by mulching! Learn about the power of

correct mulching techniques, and discover how to achieve these benefits for your client's property. Let the benefits and research of mulch sell itself.

Disease, Insects, Weeds - Sunflower Room

Core Hour: Laws, Safety & Environmental Concerns - *Duane Simon*

Regulatory information required for certified applicators.

Don't Get "Chewed Up" by Caterpillars - *Raymond Cloyd*

Learn the different types of caterpillar pests that feed on landscape and garden plants. Various aspects of caterpillar biology and ecology will be discussed, along with how to effectively manage caterpillar pests both with and without insecticides. (3A & 3B - 1 hr)

Organic Lawn & Landscape Care: What the Research Shows - *Steve Keeley*

Interest in organic lawn and landscape practices continues to grow. Find out what the research shows regarding organic versus "conventional" methods. (3A & 3B - 1 hr)

Basic Pesticide Calibration - *Charles Fontanier*

Back to the basics. Refresh yourself on correct calibration practices to ensure proper pesticide application. Proper calibration ensures increased weed, disease and insect control, and saves you money. (3A & 3B - .5 hr)

New Fungicides for Turf Disease Control - *Bruce Martin*

Several new fungicides have become available for turf disease control in recent years. This presentation will highlight these and where they may be useful for Kansas turf managers. (3B - .5 hr)

Controlling Perennial Weeds - *Jared Hoyle & Nic Mitchell*

Due to the ability to survive and thrive year after year, perennial weeds are very difficult to control. Come listen to what you can do culturally and chemically to reduce perennial weed populations. (3B - .5 hr)

2017 Disease Highlights - *Judy O'Mara* (3A - 1 hr)

A look at problems that developed in the landscape during the recent growing season. (3A - 1 hr)

Advanced Turf Management - Shawnee A Room

Developing a Water Budget for your Facility - *Charles Fontanier*

Population growth and drought have negatively affected water reliability in several parts of the country. Learn how to develop a written water budget and its use as a tool in planning for drought.

Dealing with Grubs in Turfgrass - *Raymond Cloyd*

Learn how to effectively suppress grub populations in turfgrass using insecticides. (3B - 1 hr)

Evaluating Seeded Zoysia/Tall Fescue Mixtures for Enhanced Winter Color and Brown Patch Reduction - *Mingying Xiang*

Over the past three years, research has been done at K-State to evaluate the benefits of using zoysiagrass/tall fescue seed mixtures. Come listen to the potential benefits this mixture affords, including better winter color and lower levels of brown patch infestation. (3B - .5 hr)

Turfgrass Minimum Light Requirements - *Charles Fontanier*
Discussion of solar radiation, PAR, species/cultivar shade tolerance, light quality considerations, interactions between shade and other factors.

Plant Health Aspects Associated with Fungicides - *Bruce Martin*

Certain fungicides have effects on plant physiology in addition to their effects on fungi. This presentation will separate fact from fiction regarding these phenomena and where additional benefits may occur in a disease management approach. (3B - .5 hr)

Don't FRET, Use Mesonet - *Dale Bremer*

Would you like to improve the accuracy of your irrigation? Kansas State Univ., the National Weather Service, and others offer tools to help achieve that goal.

Business Management - River Room

Starting up a New Business? - *Tom Hintz*

Learn what you need to know structurally, financially and the four keys to success. We'll discuss how businesses evolve and how to manage at each stage.

Financial Management: Investing in your Future - *Sam Patterson*

Mechanics Workshop - River Room

2-Cycle Maintenance - *Stan Woodfin*

Want less downtime from your 2-stroke handheld equipment? You will learn how your handheld equipment functions, how pump fuel is processed, and how it affects the longevity of the internal combustion engine. This class explains how you can get more time from your equipment and save expensive repair bills. This is a generic class regardless of the brand of handheld equipment you are using.

Meet the Pests! - Exhibit Hall

Come on down to the trade show floor for an interactive exhibit on turf and landscape weeds, diseases and insects. You can complete this activity only once (either Tues. or Wed.) to earn a total of 0.5 hr of 3A & 3B credit.

Wednesday - December 6

General Session - Sunflower Room

Managing Diseases in Kansas Lawns - *Bruce Martin*

Tips for managing the primary diseases in Kansas lawns will be presented. (3B - .5 hr)

Your Best Defense is a Good Offense: Management Practices to Reduce Pesticide Use - *Gregg Munshaw*

Learn how to improve turf health through proper management (fertility, soil health, irrigation, etc.) to reduce the need for pesticides. (3A & 3 B - 1 hr)

KSU Research Overview - *KSU Turf & Horticulture Team*

K-State researchers highlighting findings from the past year's work. Your attendance and participation help support this research. Get the latest scoop (and a chance to win a raffle prize!) (3A & 3B-1 hr)

Round Table Talks - Exhibit Hall

Meet the Speakers! Have a question for one of the speakers? Come meet, talk and ask questions in an informal setting at the Trade Show.

Meet the Pests! - Exhibit Hall

Come on down to the trade show floor for an interactive exhibit on turf and landscape weeds, diseases, and insects. You can complete this activity once (either Tues. or Wed.) to earn a total of 0.5 hr of 3A & 3B credit.

Golf Course - Sunflower Room

Developing a Disease Management Strategy for Bentgrass Putting Greens - *Bruce Martin*

Managing bentgrass diseases in heat stress environments is not easy, but a well-designed plan can proactively prevent problems. (3B - 1 hr)

GCSAA Best Management Practices by 2020: U.S. and Kansas Perspectives - *Shelia Finney, Jack Fry & K-State GC Management students*

GCSAA has a goal to have all 50 states participating in the Best Management Practices (BMPs) effort by 2020. Students in a K-State horticulture class, HORT 517 (Golf Course and Sports Turf Operations), have been working diligently this semester to identify golf course BMPs that are relevant to Kansas, and to identify resources that would be helpful to Kansas golf course superintendents. (3B - 1.5 hrs)

Sports Turf - Pioneer Room

Managing Bermudagrass Fields in Cool Climates - *Gregg Munshaw*

Grass selection, field maintenance, traffic control. This presentation covers everything a turf manager can do to reduce the risk of winterkill.

Improving Native Sports Fields - *Gregg Munshaw*

Working on aspects such as drainage and compaction to improve the fields we manage to make them aesthetically pleasing and as safe as possible.

IPM for Sports Turf Managers - *Evan Alderman*

Let's take a look at IPM now and how it might change in the future. This presentation will serve as a brief IPM refresher course discussing plans and pest problems in Kansas. We will also take a look at what's going on throughout the United States with the issue of pesticide use. Will it affect you? Maybe not, but it is best to be prepared. (3B - .5 hr)

Landscape - Shawnee B/C

When the Ash are Gone, what will be our Next Monoculture? - *Tim McDonnell*

This discussion will focus on tree species that are being overplanted now in the urban canopy. It will also provide tree species suggestions for replacements for ash as they fall prey to EAB (Emerald Ash Borer) and for a more diverse, resilient and sustainable urban canopy. (3A - 1 hr)

Wildlife Problems in the Landscape - *Charlie Lee*

Learn techniques to control moles, voles, pocket gophers, raccoons and armadillo damage. (3A & 3B - 1 hr)

A Peek Under the Microscope: How Pathogens Reproduce, Spread, and Infect Plants - *Megan Kennelly*
You've seen plant disease symptoms with your eyes and maybe a hand lens, but are you interested in learning a little more about what happens at the microscopic level? This talk will describe some nuts and bolts of plant pathogen biology with lots of pictures (and minimal technical jargon!) (3A - .5 hr)

Lawn Care - Shawnee A Room

The Fundamentals of Irrigation Design - *Cathie Lavis*
Understanding hydraulic principles is critical in the design of irrigation systems. This presentation includes an explanation of water pressure, friction loss and water velocities. The designer will then understand the physical properties of water and how they affect the operation.

New and Old Products for Difficult to Control Weeds - *Jared Hoyle*

Weeds are difficult to control for many reasons. Learn how you can use old products for effective weed control, as well as what new products are coming on the market. (3B - 1 hr)

Organic Pest Control for the Lawn: What Works and What Doesn't? - *Steve Keeley*

As more and more customers ask for organic lawn care, we need to carefully examine what we can deliver and what we can't, in terms of effective weed, disease, and insect management. Come find out the current state of knowledge regarding organic pest control for the lawn. (3B - .5 hr)

Meet the Pests! - Exhibit Hall

Come on down to the trade show floor for an interactive exhibit on turf and landscape weeds, diseases, and insects. You can complete this activity once (either Tues. or Wed.) to earn a total of 0.5 hr of 3A & 3B credit.

Thursday, December 7

General Session - Shawnee A

Savings Associated with Input-Limited Fairway Management in the North Central U.S. - *Cole Thompson*
Recent difficult summers and advances in turfgrass breeding programs have many revisiting the idea of buffalograss fairways, which require fewer inputs compared to more commonly used species. While consumers commonly balk at the idea of establishing buffalograss, adoption may be more likely when management inputs are quantified and compared among the species. A summary of the costs associated with managing buffalograss, creeping bentgrass, or Kentucky bluegrass under 12 different management scenarios will be shared.

Zoysia Seedhead Suppression - *Jared Hoyle*

During the Spring, zoysiagrass produces an abundance of seedheads. What if there was something we could do to reduce the amount of seedheads to minimize wear and tear on equipment, as well as keep up on mowing? Maybe there is and it might not be any more work than you are already doing. (3B - .5 hr)

"Heat and Drought - We're Ready" - *Panel: Kevin Fateley, Austin Murphy, Nic Youngers*

Each of these panel members converted existing cool-season fairways to SEEDED bermudagrass or zoysiagrass, and are willing to share their experiences - good and bad!

Conference Location

The Kansas Turfgrass Conference will be held at the Kansas Expocentre in Topeka (One Expocentre Dr.).

Hotel

Capitol Plaza Hotel (on-site at the Kansas Expocentre, 1717 SW Topeka Blvd.). Room rate: \$93.00

Reservations can be made online at

<http://bookings.ihotelier.com/bookings.jsp?groupID=1216145&hotelID=13576>

OR, call the hotel directly at (785) 431-7200 (please mention you are part of KS Turfgrass Assn. or group code TG17).

Registration

To register online and pay by credit card go to

<https://2017kifconference.eventbrite.com>

OR fill out the registration form and send in by November 22.



Special Assistance

A conference participant who needs accommodations due to a disability or special dietary requirement, should indicate services needed on the registration form. Early notification is requested to ensure that accommodations can be provided in a timely manner.

Exhibitor Bingo

Join the fun by visiting participating exhibitor booths each day during the KTF Trade Show hours and turning in your completed card at the KTF booth. A raffle drawing will be held *both* Tuesday and Wednesday at 5:30 p.m. for a great prize. You must be present to win.

Cancellation/Refund Policy

If cancellation is necessary, substitutions with another person from the same company is allowed. A written request for a refund must be received before Nov. 22, 2017. The amount refunded will be less a \$25.00 processing fee. No refunds will be made after this date. Mail your request to: KTF, 1712 Claflin, 2021 Throckmorton, Manhattan, KS 66506.

If inclement weather should prevent your attendance, no refunds are provided. Significant expenses are occurred on behalf of the KTF in its commitment to hold this conference.

Pesticide Recertification Credit Hours



The Kansas Turfgrass Conference *in conjunction with KNLA* has been approved for state pesticide applicator recertification credit:

1 Core Hour 3A - 8.5 hrs 3B - 10 hrs

Presentations qualifying for 3A or 3B credit are noted *after* the title. Pick up a form at the registration table to record pesticide recertification credits. A monitor must sign each form before you leave the session. At the end of the conference, give your form to the moderator in the last session you are attending.



GCSAA Education Points

December 5

Basic, Adv. Turf, Landscape	.45
Mechanics	.25
Business Management	.25
Disease, Insects & Weeds	.50

December 6 & 7 Conference .65



Int'l. Society of Arboriculture

CEUs available for Certified Arborists

Kansas Turfgrass Conference *in Conjunction with KNLA*
December 5, 6 & 7, 2017 Pre-Registration Form

FULL Registration (2 ½ days) (\$275.00 at conference) \$250.00 x _____
*Includes Tues. workshop, conference, lunch on Wed.,
complementary KTF membership dues, and trade show.*

Additional persons from same firm (\$140.00 at conference) \$115.00 x _____
No dues included.

attending Business Management Workshop on Tues. _____
attending Mechanics Workshop on Tues. _____

TUESDAY only-Dec. 5 (\$150 at conf.) *Includes trade show; no dues.* \$125.00 x _____

WEDNESDAY only-Dec. 6 (\$150.00 at conference) \$125.00 x _____
Includes lunch, trade show; no dues.

THURSDAY only-Dec. 7 (\$75 at conference) *No dues included.* \$ 50.00 x _____

2018 Kansas Turfgrass Foundation Membership Dues \$ 75.00 x _____
A 2018 Kansas Turfgrass Foundation Directory will be sent to each member
Name of individual(s) joining association: _____

2018 KNLA Membership Dues can be paid at <http://www.kansasnla.org/join- knla.html>

TOTAL: \$ _____

Dietary or special assistance needed: _____

Company/business name _____

Individual _____

Mailing address _____

City _____ State _____ Zip _____ Phone () _____

Fax () _____ E-mail: _____

Payment:

Check payable to Kansas Turfgrass Foundation enclosed

Please invoice (*payable upon receipt*)

Credit card Type: _____ No. _____ Exp. _____ 3-4 digit CID _____

Name on card (printed) _____ Signature _____

Please return registration form by November 22 to:
Turf Conference Registration, 1712 Claflin, 2021Throckmorton, Manhattan, KS 66506-5507
Fax: (785) 532-6949 cdipman@ksu.edu

K-STATE

Research and Extension

Horticulture and Natural Resources

2021 Throckmorton Plant Science Cntr., 1712 Claflin

Manhattan, KS 66506-5507

Kansas Turfgrass Conference *in conjunction with KNLA* December 5, 6 & 7, 2017 Topeka, KS

Featured Speakers



Dr. Charles Fontanier is an Assistant Professor in Turfgrass in the Department of Horticulture & Landscape Architecture at Oklahoma State University. His research focuses on water conservation, irrigation science, drought stress response, nutrient transport, cultivar development in shade stress, interactions between multiple abiotic stresses, and sand-based rootzone management.



Dr. Gregg Munshaw is an Extension Associate Professor in Plant Science at the University of Kentucky in Lexington. He specializes in improving sports surfaces, including golf courses, athletic fields and horse racing tracks.



Dr. Bruce Martin is the Research and Extension Turfgrass Pathologist for Clemson University, SC. His program focuses on fungicide performance, disease identification and management, and nematode management in commercial turfgrass systems.



Dr. Cole Thompson is an Extension Specialist in Integrated Turfgrass Management at the University of Nebraska-Lincoln. His research interests include integrated weed and disease management, ecological aspects of pest prevalence, alternative and input-limited turf and pest management strategies, and environmental fate of pesticides in urban settings.