

Tuesday, December 6					
7:30 am	Registration (North Entrance) & Exhibitor Set-up (Exhibit Hall)				
	Basic Turfgrass Pioneer Room <i>Jake Reeves, Moderator</i>	Landscape, Nursery & Ornamentals Shawnee B/C Room <i>Cheryl Boyer, Moderator</i>	Disease, Insects, Weeds Sunflower Room <i>Matt Miller, Moderator</i>	Advanced Turf Management Shawnee A Room <i>Jeff Eldridge, Moderator</i>	Irrigation Workshop River Room
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>	Prairie Star Flowers: Past, Present and Future - <i>Cheryl Boyer</i>	Best Management Practices for Lawn Disease Control - <i>Paul Vincelli</i> (3B - .5 hr)	Weed Management in Naturalized and Native Golf Course Roughs - <i>Jared Hoyle</i> (3B - 1 hr)	Improve Your Profits/Budget Through Irrigation Renovations - <i>Jeffrey Knight, Ewing Irrigation</i> * Easy fix to a high flow, low-pressure problem * Key criteria for identifying the best renovation oppor- tunities * Understanding your local water costs and the kind of renovation opportunities available *High efficiency noz- les, booster pumps, drip conversions *Check on Registration form if you plan to attend
9:35-10:05 am	Turfgrass Diseases - <i>Megan Kennelly</i> (3B - .5 hr)		EPA Regulations Update - <i>Damon Frizzell</i> (3A & 3B - .5 hr)		
10:05-10:20 am	BREAK - Coffee & Donuts				
10:20-10:50 am	Turfgrass Weeds - <i>Jake Reeves</i> (3B - .5 hr)	Are You a Fierce Competitor Workshop* - <i>Bill Arman and Ed Laflamme</i> *f you plan to attend this workshop, please mark on the registration form to get the Fierce Competitor's handbook (\$5.00)	Review of Insect and Mite Pests of Horticultural Crops and Turfgrass - <i>Ray Cloyd</i> (3A & 3B - 1 hr)	Resistance to Fungicides - <i>Paul Vincelli</i> (3A & 3B - 1 hr)	
10:55-11:25 am	Mowing Basics - <i>Jack Fry</i>				
11:30 am - Noon	Soils - <i>Ward Upham</i>		How Come My Herbicide Application Didn't Work? - <i>Steve Keeley</i> (3A - .5 hr)	Non-target and Unexpected Effects of Fungicides - <i>Paul Vincelli</i> (3A & 3B - .5 hr)	
Noon - 1:15 pm	LUNCH (On Your Own)				Sports Turf River Room
1:15-1:45 pm	Turfgrass Insects - <i>Ward Upham</i> (3B - .5 hr)	Site Assessment: Disease or Not Disease? - <i>Judy O'Mara</i> (3A - 1 hr)	Pesticides and Pollinators - <i>Ray Cloyd</i> (3A & 3B - 1 hr)	Flying High: Detecting Drought Stress with Drone Technology - <i>Dale Bremer</i>	Hybrid Systems: Are They for You? <i>Adam Thoms</i>
1:50 - 2:15 pm	Fertilization - <i>Mingying Xiang</i>			Environmental Stewardship: Can Smarter Fertilizer and Irrigation Practices Reduce Greenhouse Gas Emissions? - <i>Ross Braun</i>	
2:15 - 2:30 pm	BREAK				
2:30 - 3:00 pm	Irrigation - <i>Dale Bremer</i>	Cultivating Professionalism in the Landscape Industry - <i>Robyn Schmitz</i>	2016 Disease Highlights - <i>Judy O'Mara</i> (3A - 1 hr)	Have you Considered Seeding Warm-Season Grasses? - <i>Jack Fry</i> with Panel: <i>Austin Murphy, Scott Teagarden</i> (3B - 1 hr)	Bermudagrass vs. Synthetic Turf - <i>Adam Thoms</i>
3:05 - 3:35 pm	Cultivation - <i>Jake Reeves</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 .5 hr of 3A & 3B				

Wednesday, December 7

7:30 am	Registration (North Entrance)
General Session - Sunflower Room (<i>Rich Prendergast, Moderator</i>)	
8:00 - 8:10 am	Welcome and Opening Remarks - <i>Rich Prendergast, KTF President</i>
8:10 - 9:00 a.m.	12 Rounds with Tyson: Options for Controlling Bermudagrass in the Landscape - <i>Jim Brosnan (3A & 3B - 1 hr)</i>
9:00 - 9:30 am	Water in the Green Industry - <i>Sarah White (3A - .5 hr)</i>
9:30 - 9:40 am	AWARDS
9:40 - 10:30 am	KSU Research Overview - <i>KSU Turfgrass & Horticulture Team (3A & 3B - 1 hr)</i> Each participant will be given a raffle ticket at the beginning of the General Session. Two lucky winners will each receive two tickets to a Kansas City area sporting event.
10:30 - 11:30 am	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. (3A & 3B - .5 hr)</i> Visit with Exhibitors
11:30 - 1:00 pm	TRADE SHOW & LUNCH - Exhibit Hall - Buffet with vendors

	Golf Course Sunflower Room <i>Ron Reese, Moderator</i>	Sports Turf Pioneer Room <i>Wade Wilbur, Moderator</i>	 Shawnee B/C Room <i>Cheryl Boyer, Moderator</i>	Business Management Workshop Shawnee A <i>Rich Prendergast, Moderator</i>
1:00-1:50 pm	Summer Root Decline and Its Causes - <i>Jack Fry (3B - 1 hr)</i>	Bermuda Selection & Management for Athletic Performance and Safety in the Transition Zone - <i>Adam Thoms</i>	BMPs to Manage Water - <i>Sarah White</i>	Recruiting to the Rescue - <i>Bill Arman</i>
1:50 - 2:00 pm	BREAK			Nothing Happens Without a Sale - <i>Ed Laflamme</i>
2:00 - 2:50 pm	"No Carts Today" - The Effects of Traffic on Drought- Stressed Turfgrasses - <i>Ross Braun</i>	New Herbicides for Sports Turf - <i>Jim Brosnan (3B - 1 hr)</i>	Creating Your Own SOPs - <i>Cheryl Boyer and Robyn Schmitz</i>	
3:00 - 3:30 p.m.	WOTUS Update - <i>Chava McKeel</i>	Hollow Tine Core Recycling - <i>Adam Thoms</i>		
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 8

General Session - Shawnee A Room (<i>Jared Hoyle, Moderator</i>)	
8:30 - 9:25 am	Herbicide Resistance Update - <i>Jim Brosnan (3A & 3B - 1 hr)</i>
9:30 - 10:00 am	From River to Roots - <i>Jared Hoyle</i>
10:00 am	BREAK - Coffee and Donuts
10:30 am	New Beginnings in 2016 - <i>Erick Landis, Jonathan Bennett, Cory LeMay</i>
11:30 am	Adjourn & Commercial Pesticide Applicators Exam (3A & 3B) - Homestead Room

SPEAKERS

Bill Arman, Harvest Landscape Consulting
Jonathan Bennett, Sunflower Hills GC, Bonner Spring, KS
Cheryl Boyer, Horticulture, K-State
Ross Braun, Horticulture, K-State
Dale Bremer, Horticulture, K-State
Jim Brosnan, Dept. of Plant Science, Univ. of Tennessee, Knoxville
Raymond Cloyd, Entomology Dept., K-State
Damon Frizzell, EPA, Lenexa, KS
Jack Fry, Horticulture, K-State
Jared Hoyle, Horticulture, K-State

Steve Keeley, Horticulture, K-State
Megan Kennelly, Plant Pathology, K-State
Jeffrey Knight, Ewing Irrigation, Cedar Park, TX
Ed Laflamme, Harvest Landscape Consulting
Erick Landis, Children's Mercy Park, Kansas City, KS
Cory LeMay, PrairieStone, Manhattan, KS
Chava McKeel, GCSAA, Lawrence, KS
Austin Murphy, Indian Hill GC, Chapman, KS
Judy O'Mara, Plant Pathology, K-State
Jake Reeves, Horticulture, K-State Manhattan
Robyn Schmitz, High Prairie Landscape Group, Edwardsville, KS

Duane Simon, KDA, Topeka, KS
Scott Teagarden, Paola USD #368
Adam Thoms, Horticulture, Iowa State Univ., Ames
Ward Upham, Horticulture, K-State
Mingying Xiang, Horticulture, K-State
Paul Vincelli, Plant Pathology, Univ. of Kentucky, Lexington
Sarah White, Horticulture, Clemson Univ., SC

PRESENTATION DESCRIPTIONS

Tuesday, December 6

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

Prairie Star Flowers: Past, Present & Future - *Cheryl Boyer*
Annual color in the landscape can make a big difference in the success of landscaping projects. For over 20 years the Prairie Star Flowers research and Extension program at K-State has evaluated new cultivars for performance in Kansas. Only 36 cultivars (of more than 500 tested) were added to the recommended list this year—do you know which ones they are?

Are You a Fierce Competitor Workshop - *Bill Arman and Ed Laflamme*

We are living in the most competitive time in history and face problems all day. But don't shrink back. Get aggressive and become a FIERCE COMPETITOR!

- The 10 traits of truly fierce competitors and how they apply to your business so you can WIN.
- Exactly what areas of your business and personal life need work?
- How to get "unstuck" and move your company to the next level to create value in your business so it's a saleable asset.

Site Assessment: Disease or Not Disease? - *Judy O'Mara*

How do you enter a site and evaluate problems you see there? Are they environmental, pest, disease or something else entirely? Judy will demonstrate how to look at landscape sites with a sharp eye for diagnosing problems. (3A - 1 hr)

Cultivating Professionalism in the Landscape Industry - *Robyn Schmitz*

Professionalism is essential to successful businesses and employees. How do you foster positive attitudes in employees that tie back to your brand? Robyn will share what has worked well in her landscape business.

Disease, Insects, Weeds - Sunflower Room

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

Regulatory information required for certified applicators.

Best Management Practices for Lawn Disease Control - *Paul Vincelli*

Discussion of diverse practices for reducing disease pressure and their relative efficacy, including variety selection, cultural practices, and bio-control. (3B - .5 hr)

EPA Regulations - *Damon Frizzell*

New requirements for the revised pesticide Worker Protection Standards & Certification and training program regulations will be covered. An overview on pesticide reregistration use changes and EPA's drift reduction program. (3A & 3B - .5 hr)

Review of Insect & Mite Pests of Horticultural Crops and Turfgrass - *Ray Cloyd*

This presentation will discuss the major insect and mite pests encountered in 2016 associated with both horticultural crops and turfgrass. Find out how cultural practices can impact plant susceptibility to insect and mite pests. (3A & 3B - .5 hr)

How Come My Herbicide Application Didn't Work? - *Steve Keeley*

Common reasons for preemergence and postemergence herbicide failure will be discussed, along with strategies to make your herbicide applications more effective. (3A - .5 hr)

Pesticides and Pollinators - *Ray Cloyd*

Come hear about the issues related to pesticides and pollinators; the direct and indirect effects of pesticides on pollinators. Learn about the concerns associated with systemic insecticides and their potential impact on pollinators and how to avoid negatively impacting pollinators with pesticides. (3A & 3B - 1 hr)

2016 Disease Highlights - *Judy O'Mara*

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

Advanced Turf Management - *Shawnee A Room*

Weed Management in Naturalized and Native Golf Course Roughs - *Jared Hoyle*

Proper weed management in naturalized and native golf course roughs can influence water purification, temperature modification, preservation, budget cost, inputs and wildlife. Learn mechanical, chemical, short- and long-term weed management strategies for native & naturalized golf course roughs. (3B - 1 hr)

Resistance to Fungicides - *Paul Vincelli*

A discussion of principles of resistance development and management of risk. (3A & 3B - 1 hr)

Non-target and Unexpected Effects of Fungicides - *Paul Vincelli*

Explanation of diverse topics including phytotoxicity and growth regulation, disease enhancement and resurgence following fungicide use, herbicides and pesticide run-off. (3A & 3B - .5 hr)

Flying High: Detecting Drought Stress with Drone Technology - *Dale Bremer*

Come and see the results from 2 years of research at K-State using unmanned aircraft systems and remote sensing platforms to detect drought stress in turfgrass.

Environmental Stewardship: Can Smarter Fertilizer and Irrigation Practices Reduce Greenhouse Gas Emissions? - *Ross Braun*

Application of nitrogen fertilizers to the turf and landscape result in the emission of nitrous oxide, a greenhouse gas, to the environment. Come and see the results from 2 years of K-State research monitoring nitrous oxide emissions in turfgrass and find out how you can reduce your environmental footprint!

Have You Considered Seeding Warm-Season Grasses? - *Jack Fry*

A review of warm-season grasses that can be seeded in Kansas and tips for successful establishment including herbicide use for weed control. (3B - 1 hr)

Panel - *Austin Murphy, Scott Teagarden*

Irrigation Workshop - *River Room*

Improve Your Profits/Budget Through Irrigation Renovations - *Jeffrey Knight, Ewing Irrigation*

- * Easy fix to a high flow, low-pressure problem.
- * Key criteria for identifying the best renovation opportunities.
- * Understanding your local water costs and the kind of renovation opportunities available
- * High efficiency nozzles, booster pumps, drip conversions and 2-wire

Sports Turf - *River Room*

Hybrid Systems: Are they for You? - *Adam Thoms*

This talk will focus on the history, new products, research costs, and new management techniques of hybrid turf (natural & synthetic) systems. Hybrid systems are a great solution for high traffic areas and turfgrass managers can benefit from installing these systems and learning tips to maintain them.

Bermudagrass vs. Synthetic Turf - What Does the Research Say? - *Adam Thoms*

Many athletic field managers are faced with choosing natural or synthetic turf surfaces, but little data exists to compare these surfaces. This talk focuses on comparing natural turf and synthetic turf for performance and safety characteristics such as heat, hardness and traction on the various surfaces.

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.

Wednesday - December 7

General Session - *Sunflower Room*

12 Rounds with Tyson: Options for Controlling

Bermudagrass in the Landscape - *Jim Brosnan*

Bermudagrass is one of the most difficult to control weeds in the landscape. This presentation will explore cultural and chemical options for bermudagrass control in managed turf and landscape plantings. (3A & 3B - 1 hr)

Water in the Green Industry - *Sarah White*

We need water for every aspect of our lives. Protecting it from problems such as nutrient and pesticide runoff and managing it for disease problems will not only help the environment, but can serve to enhance business reputation and profitability. We will discuss nursery, landscape & turf use of water. (3A - .5 hr)

KSU Research Overview - *KSU Turf & Horticulture Team*

K-State researchers highlighting findings from the past year's work. Your attendance and participation helps 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

Summer Root Decline and Its Causes - *Jack Fry*
When putting green quality declines on the surface, it's likely that the roots started declining long ago. Environmental conditions and disease can contribute to decline. Learn how to deal with both. (3B - 1 hr)

"No Carts Today" The Effects of Traffic on Drought-Stressed Turfgrasses - *Ross Braun*

Maintaining a healthy stand of turfgrass during a drought with little to no irrigation is difficult, but it's even more difficult if there is traffic-stress as well. See the results from 2 years of K-State research measuring the effects of traffic- and drought-stress on four different turfgrass species maintained at different mowing heights.

WOTUS Update - *Chava McKeel*

The Clean Water Rule: Definition of "Waters of the U.S." was put on hold nationwide by the U.S. 6th Circuit Court of Appeals. The rule significantly redefines federal protection of surface waters and could have a significant impact to golf course maintenance, design and construction in the future. Hear the very latest on where the rule stands in the courts and what GCSAA is doing to advocate for EPA to come up with a different, more appropriate rule.

Sports Turf - Pioneer Room

Bermuda Selection & Management for Athletic Performance and Safety in the Transition Zone - *Adam Thoms*
Many new cultivars of bermudagrass, and management of those cultivars, will be discussed under simulated athletic traffic to get the most out of your fields. Safety characteristics will also be discussed such as surface hardness and traction.

New Herbicides for Sports Turf - *Jim Brosnan*

Traffic, compaction, weather and even vandalism are only a few factors that lead to weed invasion on athletic fields. Come see how some new herbicides can be utilized in your weed management program. (3B - 1 hr)

Hollow Tine Core Recycling - *Adam Thoms*

Sand topdressing can be expensive for turf managers, and hollow tine aerification can help to manage organic matter buildup. Can new machines remove the lower portion of the core to reuse, while removing the upper portion which has the buildup of organic matter?

NurseryWorks - Shawnee B/C

BMPs to Manage Water Quality - *Sarah White*

We will discuss several Best Management Practices to manage water quality in the nursery, including managing water quality both at the source and runoff to minimize potential harm from pesticides, plant diseases, sediment and fertilizers.

Creating Your Own SOPs - *Cheryl Boyer & Robyn Schmitz*
Standard Operating Procedures (SOPs) help your business run smoother. Employees know exactly what is expected of them and managers can clearly communicate expectations. Every business is different—we will guide you through the steps to design SOPs that fit your work and your company culture.

Business Management - Shawnee A Room

Recruiting to the Rescue - *Bill Arman*

Find out how to set up a comprehensive recruitment program, including how to source, screen and select the right people. Learn the 7-step process that Harvester Bill has successfully used for the past 35 years to find the best this industry has to offer. You'll learn a whole new "way of life" thinking on recruiting.

Nothing Happens Without a Sale - *Ed LaFlamme*

Do you want to double or even triple your sales success? As business owners we sometimes forget the "basics" of what makes a successful sale. As salespeople we sometimes overlook the fact that the "devil is in the details." Whether you wear the owner and sales "hat" in the company, or have a "sales team," you will be "sold" on Ed's insightful and practical approach.

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 8

General Session - Shawnee A

Herbicide Resistance Update - *Jim Brosnan*

Herbicide resistance is showing up across the nation. Learn how resistance occurs and how to prevent and manage herbicide resistant weeds in the landscape. (3A & 3B - 1 hr)

From River to Roots - Jared Hoyle

New research plots have been in the making at the Rocky Ford Turf Research Center in Manhattan, KS. This presentation will give you an overview of a new river pump system installation, horticulture student involvement, industry support, and all the trials and tribulations that were encountered along the way.

New Beginnings in 2016 - Erick Landis, Jonathan Bennett, Cory LeMay

These gentlemen stepped into new, challenging positions, and will share their experiences over this year at Children's Mercy Park Sunflower GC, and PrairieStone.

Registration

To register online and pay by credit card go to <http://2016ktf.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.

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: \$91.00

Reservations can be made online at www.capitolplazahoteltopeka.com

Click on "Reservations" and select "Group code." The code for the discounted rate is TURF16. Once the code is entered, you will be able to select the dates and book your reservation. OR, call the hotel directly at (800) 579-7937 (Group code TG16).

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, 2016. The amount refunded will be less a \$25.00 processing fee. No refunds will be made after this date. Mail your request to: KTF, 2021 Throckmorton, KSU, 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 hour: 1 Core Hour 3A - 8 hrs 3B - 9 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

<u>December 6</u>	
Basic and Adv. Turf, Landscape	.45
Irrigation	.25
Disease, Insects & Weeds	.50
December 7 & 8 Conference	.75



Int'l. Society of Arboriculture

CEUs available for Certified Arborists

Kansas Turfgrass Conference *in Conjunction with KNLA*
December 6, 7 & 8, 2016 ! 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.

TUESDAY only-Dec. 6 (\$150 at conf.) *Includes trade show; no dues.* \$125.00 x _____

_____ Irrigation Workshop

WEDNESDAY only-Dec. 7 (\$150.00 at conference) \$125.00 x _____
Includes lunch, trade show; no dues.

THURSDAY only-Dec. 8 (\$75 at conference) *No dues included.* \$ 50.00 x _____

Yes I will be attending the Fierce Competitors Workshop on Tues.

Fierce Competitors Handbook \$ 5.00 x _____

2017 Kansas Turfgrass Foundation Membership Dues \$ 75.00 x _____

A 2017 Kansas Turfgrass Foundation Directory will be sent to each member

Name of individual(s) joining association: _____

2017 KNLA Membership Dues can be paid at <http://www.kansasnla.org/join-qnla.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 _____