

Wednesday, December 4

7:30 am	Registration & Exhibitor Set-up			
8:15 - 8:30 am	Welcome, orientation and announcements - Jared Hoyle (Big Basin/Kaw Nation room)			
8:30 - 9:20 am	Landscape & Turf - Highs and Lows of '19 - Jared Hoyle & Megan Kennelly (3A & 3B - 1 hr) (Big Basin/Kaw Nation Room)			
9:20 - 9:40 am	BREAK			
	Basic Turfgrass McDowell/Tuttle room	Nursery & Landscape Alcove room Cheryl Boyer, Moderator	Disease, Insects, Weeds Big Basin/Kaw Nation room Wes Ory, Moderator	Golf & Sports Turf Flint Hills/Kings room Steve Wilson, Moderator
9:40 - 10:05 am	Soils - Wes Dyer	Underground to Your Ground: Industrial Hemp Year 1 Wrap-up - Jason Griffin	Core Hour: Laws, Safety & Environmental Concerns - KDA	The Data Behind Herbicide Recommendations - Jared Hoyle (3B - 1 hr)
10:10 - 10:35 am	Turfgrasses for KS - Ward Upham			
10:40 - 11:05 am	Turfgrass Weeds - Dani McFadden (3B - .5 hr)	Current USDOT Federal and State Regulations - Mike Harp	Cultural Strategies to Reduce Weeds in Lawns - Matthew Elmore (3B - 1 hr)	Topdressing 101: Organic Matter Management - Roch Gaussain
11:10 - 11:35 am	Mowing Basics - Jack Fry			
11:35 - 1:00 pm	LUNCH (On Your Own)			
	Basic Turfgrass McDowell/Tuttle room	Nursery & Landscape Alcove room Cheryl Boyer, Moderator	Disease, Insects, Weeds Big Basin/Kaw Nation room Wes Ory, Moderator	Golf & Sports Turf Flint Hills/Kings room Steve Wilson Moderator
1:00 - 1:25 pm	Turfgrass Diseases - Chandler Day (3B - .5 hr)	Sudden Oak Death Confirmed in Kansas; What to Know for Specialty Crops - Cheryl Boyer & Judy O'Mara (3A - 1 hr)	Controlling Dandelions in the Spring Without Killing Your Flowers - Steve Keeley (3B - 1 hr)	No me Goosta: Goosegrass Control for Golf Course Fairways - Matthew Elmore (3B - 1 hr)
1:30 - 1:55 pm	Turfgrass Insects - Mu Hong (3B - .5 hr)			
2:00 - 2:25 pm	Irrigation - Dale Bremer	Japanese Beetles - Raymond Cloyd (3A - 1 hr)	Yellow Nutsedge Ecology and Control - Roch Gaussain (3B - 1 hr)	Precision Management - Sensors, Measurement and Big Data - Josh Friell
2:30 - 3:00 pm	Cultivation - Manoj Chhetri			
3:05 - 3:30 pm	Fertilization - Steve Keeley	New and "Newish" Ornamental Plant Introductions - Cheryl Boyer	Top Plant Disease Issues of 2019 - Megan Kennelly (3A & 3B - .5 hr)	Annual Bluegrass Management Techniques for Cool-season Turfgrass - Matthew Elmore (3B - .5 hr)
3:35 - 5:30 pm	TRADE SHOW - Meet with vendors, network, and chat with speakers in an informal setting. MEET THE PESTS! Come 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.			

Thursday, December 5

7:30 am	Registration
General Session - Big Basin/Kaw Nation room (<i>Jared Hoyle, Moderator</i>)	
8:00 - 8:10 am	Welcome, Announcements, Awards - <i>Matt Miller, KTF President</i> Each participant will be given a raffle ticket at the beginning of the General Session. Two lucky winners will each receive 2 tickets for the Wildcat Classic (Men's Basketball) at the Sprint Center: K-State vs. St. Louis on December 21.
8:10 - 9:00 am	Glyphosate: All the Hub Bub, Issues and Real Facts about this Controversial Issue - <i>Frank Wong</i> (3A & 3B - 1 hr)
9:00 - 10:00 am	Organic Weed Control: Is it Possible? - <i>Roch Gaussoin</i> (3A & 3B - 1 hr)
10:00 - 10:15 am	BREAK
10:15 - 11:10 am	Ask the Experts - <i>Raymond Cloyd, Roch Gaussoin, Jared Hoyle, Frank Wong</i> (3A & 3B - 1 hr)
11:10 - 1:00 pm	Trade Show, Meet the Pests (LUNCH served at 11:30 am in Big Basin/Kaw Nation room)

	Golf Course Konza room <i>Ron Reese, Moderator</i>	Advanced Turf Flint Hills/Kings room <i>Rodney St. John, Moderator</i>	Nursery & Landscape McDowell/Tuttle room <i>Cheryl Boyer, Moderator</i>	Sustainability, Technology & Water Management Alcove room <i>Steve Dale, Moderator</i>
1:00-1:55 pm	Develop a Golf Course Facility BMP Plan with Kansas' BMPs - It's Easy with GCSAA's Online Tool! - <i>Mark Johnson</i> (3B -1 hr) <i>Presented in partnership with PBI Gordon</i>	Pesticide Regulations: Key issues and Hot Topics - <i>Frank Wong</i> (3A & 3B - 1 hr)	Landscape Disease Update - <i>Judy O'Mara</i> (3A - 1 hr)	Technology for Sustainability in Turf Management - <i>Josh Friell</i>
1:55 - 2:10		BREAK		
2:10 - 3:05 p		Highs and Lows of Our Internship Experiences and Tips for Attracting Interns to Your Facility - <i>K-State Students in "Advanced Culture of Golf & Sports Turf"</i> - Moderated by <i>Jack Fry</i>	Honey Bee Maladies: Parasites, Diseases, and Pests of Honey Bees - <i>Raymond Cloyd</i> (3A - 1 hr)	Using New Technology and Modified Management Techniques to Stretch Irrigation Water - <i>Dale Bremer</i>
3:10 - 3:35 pm		Bermudagrass Fertility Sources and Timings for the Transition Zone - <i>Tony Goldsby</i>	Landscape Plants for Hungry Pollinators - <i>Cheryl Boyer</i>	Development of Irrigation Scheduling Techniques that Conserve Water Using Soil Moisture Sensors, Reference Evapotranspiration, and Turfgrass Quality - <i>Wes Dyer</i>
3:35 - 5:30 pm	Trade Show. Free refreshments.			
5:00 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!			
5:30 pm	Take-down time for exhibitors			

Friday, December 6

General Session - McDowell/Tuttle room (<i>Jared Hoyle, Moderator</i>)	
8:30 - 9:00 am	WE Need to Better Communicate the Positives of Turf in the Landscape - <i>Jack Fry</i> (3B - 0.5 hr)
9:05 - 10:05am	Graduate Student Research Update - <i>Manoj Chhetri, Wes Dyer, Mu Hong, Dani McFadden</i> (3B - 0.5 hr)
10:05 am	BREAK - Coffee and Donuts
10:20 am	Flooding Issue - <u>Panel</u> : <i>Kevin Fateley, Martin Lane, Matt Miller, Charlie Thompson</i>
11:20 am	Adjourn & Commercial Pesticide Applicators Exam (3A & 3B) - Cottonwood room

SPEAKERS

Cheryl Boyer, Horticulture, K-State

Dale Bremer, Horticulture, K-State

Manoj Chettri, Horticulture, K-State

Raymond Cloyd, Entomology, K-State

Chandler Day, Plant Pathology, K-State

Wes Dyer, Horticulture, K-State

Matthew Elmore, Biology & Plant Pathology,
Rutgers, New Brunswick, NJ

Kevin Fateley, Wildcat Fitness & Fun,
Manhattan, KS

Josh Friell, The Toro Co., Bloomington, MN

Jack Fry, Horticulture, K-State

Roch Gaussoin, Agronomy & Horticulture,
University of Nebraska, Lincoln

Tony Goldsby, The Andersons, Olathe, KS

Jason Griffin, Horticulture, K-State

Mike Harp, CSC, Inc., Maize, KS

Mu Hong, Horticulture, K-State

Jared Hoyle, Horticulture, K-State

Mark Johnson, GCSAA, Lawrence, KS

Steve Keeley, Horticulture, K-State

Megan Kennelly, Plant Pathology, K-State

Martin Lane, Midwest Laser Leveling, Topeka, KS

Dani McFadden, Horticulture, K-State

Matt Miller, Carey Park GC, Hutchinson, KS

Judy O'Mara, Plant Pathology, K-State

Charlie Thompson, Willowbrook GC, Hutchinson

Ward Upham, Horticulture, K-State

Frank Wong, Bayer, Washington, D.C.

PRESENTATION DESCRIPTIONS

Wednesday, December 4

Welcome, orientation and announcements - Big Basin/Kaw room

Landscape & Turf - Highs and Lows of '19 - *Jared Hoyle & Megan Kennelly*

An overview of temperature extremes and grass growing struggles and revelations. (3A & 3B - 1 hr)

Basic Turfgrass - McDowell/Tuttle room

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

Nursery & Landscape - Alcove room

Underground to Your Ground: Industrial Hemp Year 1 Wrap-up - *Jason Griffin*

2019 was the first year for Industrial Hemp production in Kansas. At the John C. Pair Horticultural Extension and Research Center in Haysville, Dr. Jason Griffin is leading the state in understanding how to produce this new crop. Is it a specialty crop, or is it an agronomic crop? Both, depending on how and where it's grown. Learn what these new changes might mean for nursery and landscape industries and if they fit with your system.

Current USDOT Federal and State Regulations - *Mike Harp*

Mike Harp, President of CSC, Inc., will give a summary of current USDOT Federal and State regulations. Topics covered include:

- What weight does USDOT regulations apply
- When does driver need CDL?
- Drug and alcohol clearinghouse rulings
- Federal annual inspections
- Load securement

This is a perfect time to get your DOT questions answered, make sure you are in compliance, and avoid huge liability and fines. Check out their website at www.cscks.net

Sudden Oak Death Confirmed in Kansas: What to Know for Speciality Crops - *Cheryl Boyer & Judy O'Mara*

In June, 2019 the presence of Sudden Oak Death was confirmed in Kansas. Understanding the disease, sources, and regulatory protocols will help prevent and reduce disease spread and prepare you to communicate with clientele on landscape management decisions. (3A - 1 hr)

Japanese Beetle Management: Have We Reached an Impasse? - *Raymond Cloyd*

This presentation will cover the biology, ecology, damage, and plant protection strategies associated with managing Japanese beetle adult and larval populations. (3A - 1 hr)

New and "Newish" Ornamental Plant Introductions - *Cheryl Boyer*

What's novel in the world of landscape plants? This quick talk will cover new and recently-released cultivars across the spectrum of nursery plant types: trees, shrubs, perennials, and annuals.

Disease, Insects, Weeds - Big Basin/Kaw Nation room

Core Hour: Laws, Safety & Environmental Concerns - *KDA*
Regulatory information required for certified applicators.

Cultural Strategies to Reduce Weeds in Lawns - *Matthew Elmore*

Learn how to optimize non-chemical practices including fertilization and aerification to manage common annual weeds including crabgrass and annual bluegrass. This includes discussion of weed life cycles and how to integrate certain cultural practices to exploit certain phases of the life cycles, as well as discuss research projects with herbicide programs to optimize weed control. (3B - 1 hr)

Controlling Dandelions in the Spring Without Killing Your Flowers - *Steve Keeley*

Dandelions get your clients' attention in the spring, but they are a bit more difficult to control then. Plus, many landscape plants are vulnerable to herbicide damage in the spring. Learn about some herbicides that work better in the spring, and that are safer to landscape plants. (3B - 1 hr)

Yellow Nutsedge Ecology and Control - *Roch Gaussoin*

Yellow Nutsedge is one of the most difficult weeds to control in turf. A single nutsedge plant can produce nearly 5,000 tubers by the end of the growing season. This presentation will use a multi-step strategy, developed after 5 years of research, to effectively manage yellow nutsedge in turf. (3B - 1 hr)

Top Plant Disease Issues of 2019 - *Megan Kennelly*

Wet weather in 2019 led to many turf and ornamental diseases. We'll talk about the top issues of the year. (3A & 3B - .5 hr)

Golf & Sports Turf - Flint Hills/Kings room

The Data Behind Herbicide Recommendations - *Jared Hoyle*

Many new herbicides are entering the market. Some of them claim to provide superior weed control, but do they? This presentation will cover these new herbicides and the data behind the recommendations for use. (3B - 1 hr)

Topdressing 101: Organic Matter Management - *Roch Gaussoin*

One of the most common practices used to provide optimal playing conditions on golf course putting greens is sand topdressing. Beyond playability, the agronomic benefits of topdressing are numerous. The layer of organic debris, stems, crowns, and roots in the upper rootzone is often problematic to plant health. Organic matter dilution is a target outcome of superintendents when applying sand to the putting surface. We will focus on topdressing strategies proven effective in managing organic matter accumulation on cool-season putting greens.

No me Goosta: Goosegrass Control for Golf Course Fairways - *Matthew Elmore*

Pre-emergence herbicides are economical and effective tools to control goosegrass. However, understanding when goosegrass emerges is critical to pre-emergence herbicide efficacy. We'll discuss goosegrass life cycle, various pre-emergence options for control, and proper application timing. (3B - 1 hr)

Precision Management - Sensors, Measurement and Big Data - *Josh Friell*

This seminar will examine the forces driving change in the turfgrass industry and introduce the concept of precision landscape management (PLM), as well as several associated tools and technologies.

Annual Bluegrass Management Techniques for Cool-Season Turfgrass - *Matthew Elmore*

This presentation will address environmental, cultural, and chemical methods for annual bluegrass control in Kentucky bluegrass, tall fescue, and perennial ryegrass athletic fields, lawns, and golf courses. Most of the presentation will focus on the pros and cons of various herbicide programs for annual bluegrass control based on recent research. Attendees will also learn how to incorporate management practices such as overseeding with herbicide programs to develop an integrated approach for annual bluegrass control. (3B - .5 hr)

Meet the Pests! - Exhibit Hall

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

Thursday - December 5

General Session - Big Basin/Kaw Nation room

Glyphosate: All the Hub Bub, Issues and Real Facts about this Controversial Issue - *Frank Wong*

This presentation will provide an update on glyphosate and the current public concerns around this herbicide. The history, chemistry, and regulation of this herbicide will be discussed as well as recent litigation and its impact. Pesticide regulation in the US and FIFRA, and its importance to protecting public safety, will be presented. Attendees will gain a better understanding of the controversy surrounding this herbicide, and why maintaining its use is critical for the industry. (3A & 3B - 1 hr)

Organic Weed Control: Is it Possible? - *Roch Gaussoin*

Non-synthetic weed control options are available, but the underlying question is, "How well do they work?" The results of 2 years of field trials, cost benefit analysis and strategies for use will be presented. (3A & 3B - 1 hr)

Ask the Experts

Got a question for Drs. Cloyd, Gaussoin, Hoyle, or Wong? Here is your chance to ask. During this session you will have time to ask questions and participate in a discussion about pest management or any question you might have. This moderated session will be fun and laid back. Don't forget to bring your questions! (3A & 3B - 1 hr)

Golf Course - Konza room

Developing a Golf Course Facility BMP Plan with Kansas' BMPS - It's Easy with GCSAA's Online Tool! - *Mark Johnson* (Presented in partnership with PBI Gordon)

Best Management Practices (BMPs) are the tools that successful superintendents use every day to maintain quality playing surfaces. The adoption of BMP plans at the facility level helps Kansas GCSA and GCSAA to advocate for golf course superintendents with national and local lawmaker, as well as the media, by demonstrating our commitment to professional land management using science-based BMPs including the responsible use of inputs. In this workshop GCSAA staff will explain why BMPs are important at your facility and show how easy it is to use GCSAA's tool to develop your own BMP plan. Then you'll learn more about Kansas BMPs. Bring your laptop to begin working on your facility's BMPs and leave the session with your plan well underway. In addition to the benefit of having a BMP plan, you will also earn .20 education points from GCSAA for attending the session, and you can also earn 0.50 service points once you complete your plan. (3B - 1 hr)

Advanced Turf - Flint Hills/Kings room

Pesticide Regulations: Key Issues and Hot Topics - *Frank Wong*

This presentation will address current pesticide regulatory and legislative issues. Topics of interest will include: pollinators and neonicotinoids, pyrethroids and water quality, chlorpyrifos and public health, and other current issues. There will be a discussion on how you can best communicate with public groups and leverage best management practices to address their concerns. Takeaways will include (i) knowledge of top public pesticide concerns, (ii) strategies and tactics for addressing them, and (iii) the confidence to engage with the public on issues. (3A & 3B - 1 hr)

Highs and Lows of Our Internship Experiences and Tips for Attracting Interns to Your Facility - *K-State Students in "Advanced Culture of Golf & Sports Turf"* - Moderated by *Jack Fry*
K-State students will discuss good and bad experiences they've had on internships and give insight into why they ended up interning at the locations they did.

Bermudagrass Fertility Sources and Timings for the Transition Zone - *Tony Goldsby*

In the transition zone it is commonplace for most the annual nitrogen to be applied during growing months (May-August). This study is looking at non-traditional application timings which are more commonplace for management of cool-season grasses. Eleven different nitrogen sources were applied in April, September and October in comparison with traditional application timings. Results of the study suggest timing may have a large impact on late-season color retention, spring green-up and winterkill damage.

Nursery & Landscape - McDowell/Tuttle room

Landscape Disease Update - *Judy O'Mara*

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

Honey Bee Maladies: Parasites, Diseases and Pests of Honey Bees - *Raymond Cloyd*

This presentation will discuss the various parasites, diseases and pests that make it difficult to maintain honey bee colonies and provide solutions on how to manage these "maladies." (3A - 1 hr)

Landscape Plants for Hungry Pollinators - *Cheryl Boyer*

Pollinators are increasingly on the minds of concerned citizens as honey bee health has been at risk in recent years. Ornamental landscape plants should be both attractive and effective at feeding (and pollinate). Learn about recommended annuals, perennials, shrubs and trees for pollinator-friendly landscapes.

Sustainability, Technology & Water Management - Alcove room

Technology for Sustainability in Turf Management - *Josh Friell*

This presentation will provide an overview of how technology is changing the turfgrass industry today and discuss how it can be used to improve resource use efficiency, with an emphasis on water management.

Using New Technology and Modified Management Techniques to Stretch Irrigation Water - *Dale Bremer*

Research at K-State is exploring new technology such as drones, remote sensing, and soil moisture sensors to save water. Also, new research that emphasizes survival of turfgrass through severe droughty periods when water is limited will be presented.

Development of Irrigation Scheduling Techniques that Conserve Water using Soil Moisture Sensors, Reference Evapotranspiration, and Turfgrass Quality Data - *Wes Dyer*
Irrigation strategies often rely on calendar schedules or deficit irrigation strategies that completely ignore soil moisture. Learn how integrating information from soil moisture sensors to existing irrigation techniques could substantially advance irrigation management by improving the timing and amount of each irrigation event.

Friday, December 6

General Session - McDowell/Tuttle room

WE Need to Better Communicate the Positives of Turf in the Landscape - *Jack Fry*

Turf is frequently presented in a negative light when it comes to pesticide and nutrient runoff in the landscape. We all need to better communicate how turf benefits the environment and captures pesticides and nutrients applied. (3B - 0.5 hr)

Graduate Student Research Update - *Manoj Chhetri, Wes Dyer, Mu Hong, Dani McFadden* (3B - 0.5 hr)

The KSU Turfgrass graduate students are hard at work researching many issues that can help you as a turfgrass manager. During this presentation each graduate student will present their research on various projects on weed control, irrigation technology, zoysiagrass management, integrated pest management and more.

FLOODING ISSUE - Panel: *Kevin Fateley, Martin Lane, Matt Miller, Charlie Thompson*

In central and eastern Kansas, the first half of 2019 was one of the wettest since 1993. Many had to deal with turf- and nonturf related issues with excessive water. Hear how some of them got through this difficult period.

Conference Location

The Kansas Turfgrass Conference will be held at the Hilton Garden Inn, 410 S. 3rd St., Manhattan, KS

Hotel

Hilton Garden Inn (410 S. 3rd St., Manhattan.). Room rate: \$99

Reservations can be made online by November 3 at

<https://hiltongardeninn.hilton.com/en/gi/groups/personalized/M/M/ANGIGI-KSTURF-20191203/index.jhtml>

OR, call the hotel directly at (785) 532-9116 (please mention you are part of KS Turfgrass Assn. Group code KSTURF)

Registration

To register online and pay by credit card go to

<https://2019turfconference.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 trade show hours and turning in your completed card at the KTF booth. A raffle drawing will be held *both* Wednesday and Thursday at 5:00 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, 2019. 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 - 7 hrs 3B - 7 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.

If your license expires this year, go to

<https://www.kellysolutions.com/ks/applicators/index>.

asp to pay the fees and renew before December 31st.



GCSAA Education Points

December 4 - 0.60 ed points

December 5 - 0.50 ed points

December 6 - 0.25 ed points

KNLA Pre-Conference Tour and Member Meet-up - Tuesday, December 3

- 4:00 p.m. Tour of KSU Gardens (park in visitor parking and sign in at the welcome building)
- 4:45 p.m. Tour of KSU Greenhouse Complex and Throckmorton Plant Sciences Center
- 6:00 p.m. Member Meet-up at The Little Apple Brewing Co.

Kansas Turfgrass Conference in Conjunction with KNLA
December 4, 5 & 6, 2019 Pre-Registration Form

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

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

WEDNESDAY only-Dec. 4 (\$150 at conf.) *Includes trade show; no dues.* \$125.00 x _____

THURSDAY only-Dec. 5 (\$150.00 at conference) \$125.00 x _____
Includes lunch, trade show; no dues.

FRIDAY only-Dec. 6 (\$75 at conference) *No dues included.* \$ 50.00 x _____

2020 Kansas Turfgrass Foundation Membership Dues \$ 75.00 x _____
A 2020 Kansas Turfgrass Foundation Directory will be sent to each member
Name of individual(s) joining association: _____

2020 KNLA Membership Dues can be paid at <http://ksnla.org/join-ksnla/>

Plan to attend KNLA Meet-up on Dec. 3

TOTAL: _____ \$ _____

Dietary or special assistance needed: _____

Company/business name _____

Individual _____

Mailing address _____

City _____ **State** _____ **Zip** _____ **Phone** () _____

Fax () _____ **E-mail:** _____

Payment:	
<input type="checkbox"/> Check payable to Kansas Turfgrass Foundation enclosed	<input type="checkbox"/> Please invoice (<i>payable upon receipt</i>)
<input type="checkbox"/> 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, 2021 Throckmorton Plant Science Cntr., Manhattan, KS 66506-5507
Fax: (785) 532-6949 cdipman@ksu.edu

K-STATE

Research and Extension

Horticulture and Natural Resources

1712 Claflin, 2021 Throckmorton Plant Science Cntr.
Manhattan, KS 66506-5507

Kansas Turfgrass Conference *in conjunction with KNLA* December 4, 5 & 6, 2019 Manhattan, KS

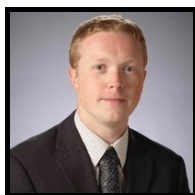
Featured Speakers



Dr. Matthew Elmore is the extension turfgrass specialist at Rutgers University. His program at Rutgers focuses on novel strategies to control weeds with fewer pesticide inputs. The program also focuses on significant efforts in developing alternatives to synthetic pesticides and understanding the influence of management



Dr. Roch Gaussoin is a professor in the Agronomy & Horticulture Dept. at the University of Nebraska. His research focuses on two areas – investigations in the turfgrass phyto-biome and nutraceutical assessment of amenity grass and specialty crop extracts.



Dr. Josh Friell joined The Toro Company in 2014 and serves as Senior Principal Research Scientist in the Center for Technology, Research & Innovation. As a member of the CTRL team, he is working to address Green Industry challenges through the development and application of innovative technology and solutions.



Dr. Frank Wong is a Senior Regulatory Affairs Consultant with Bayer. He works closely with a wide range of industry, government, and non-government organizations to help provide solutions to regulatory and legislative challenges for effective disease, insect and weed management.