

Wednesday, November 30

7:30 am	Registration & Exhibitor Set-up			
8:15 - 8:30 am	Welcome, Orientation and Announcements - Jack Fry (Flint Hills Room)			
8:30 - 9:20 am	Tips & Tricks for Accurately Applying Preemergence Herbicides to Turf & Ornamentals - Zane Raudenbush (3A/3B-1 hr)			
9:20 - 9:40 am	BREAK			
	Basic Turf McDowell/Tuttle room	Basic Nursery & Landscape - Alcove room Cheryl Boyer, Moderator	Diseases, Insects & Weeds Flint Hills room Matt Miller, Moderator	Advanced Turf Konza Prairie BC room Chris Ryan, Moderator
9:40 - 10:05 am	Soils - Ward Upham	Basics of Soils, Soilless Substrates & Fertilization - Cheryl Boyer	Core Hour: Laws, Safety & Environmental Concerns - KDA	Organic Matter Management for Cool-Season Golf Greens and Sports Turf - Roch Gaussoin (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)	Plant Selection for Kansas - Jason Graves (3A - .5 hr)	Biting "Bugs": How to Avoid Getting Bitten by Biting "Bugs" - Raymond Cloyd (3A & 3B - 1 hr)	Preparing Putting Greens for the Summer Marathon - Jack Fry
11:10 - 11:35 am	Turfgrass Diseases - Megan Kennelly (3B - .5 hr)	Woody Plant Pruning - Charles Barden		
11:35 - 1:00 pm	LUNCH (On Your Own)			
	Basic Turf McDowell/Tuttle room	Basic Nursery & Landscape Alcove room Cheryl Boyer, Moderator	Diseases, Insects & Weeds Flint Hills room Matt Miller, Moderator	Advanced Turf Konza Prairie BC room Chris Ryan, Moderator
1:00 - 1:25 pm	Turfgrass Insects - Raymond Cloyd (3B - .5 hr)	Annual Flowering Plant Management - Cassie Thiessen	Landscape & Turf Disease Update - Judy O'Mara (3A & 3B - 1 hr)	Reduced Risk Pest Management - Paul Koch (3A & 3B- 1 hr)
1:30 - 1:55 pm	Fertilization - Steve Keeley	Perennial Plant Maintenance - Dennis Patton		
2:00 - 2:25 pm	Mowing Basics - Ross Braun	Mulch - Matthew McKernan	Common Diseases of Cool-Season Turfgrass - Paul Koch (3B - 1 hr)	Golf Course Sprayers: Past, Present and Future Technologies - Zane Raudenbush (3B - 1 hr)
2:30 - 3:00 pm	Cultivation - Ross Braun	Plant Health Problem Solving - Megan Kennelly (3A - 1 hr)		
3:05 - 3:30 pm	Irrigation - Jack Fry		Pushing Back Preemergence Applications for Better Late Season Control - Roch Gaussoin (3A & 3B - .5 hr)	Understanding Herbicide Failures - Steve Keeley (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>) 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 1

7:30 am	Registration
General Session - Flint Hills Room (Jack Fry, Moderator)	
8:00 - 8:20 am	Welcome, Announcements, Awards - Mike Maas, KTF President Each participant will be given a raffle ticket at the beginning of the General Session. Two lucky winners will each receive 2 tickets to the K-State vs. Nebraska Men's Basketball game at the T-Mobile Center in Kansas City on Saturday, December 17.
8:20 - 9:10 am	The Surprising Amount of Science Behind Pesticide Recommendations - Paul Koch (3A & 3B - 1 hr)
9:10 - 10:00 am	Reflections on 35 Years of Turfgrass Research & Outreach - Roch Gaussoin (3B - 1 hr)
10:00 - 10:10 am	BREAK

	Advanced Turf Konza Prairie BC room <i>Ethan Shamet, Moderator</i>	Nursery & Landscape Alcove room <i>Cheryl Boyer, Moderator</i>	Dealing with Pests McDowell/Tuttle <i>Ron Reese, Moderator</i>
10:10 - 11:00 am	New Zoysia Update - Ross Braun & Jack Fry	Red Headed Flea Beetle: A Major Insect Pest of Nursery Production Systems - Raymond Cloyd (3A - 1 hr)	Developing a Comprehensive Silvery-Thread Moss Control Program - Zane Raudenbush (3B - 1 hr)
11:05 - 11:55 am	Student Internship Overview by K-State Students	Nursery & Landscape Disease Update - Judy O'Mara (3A - 1 hr)	Surf & Turf: Surface Runoff and Turfgrass Management Techniques for Healthy Ponds - Joe Gerken (3A & 3B - 1hr)
Noon - 1:30 pm	Trade Show (Lunch served at Noon in Big Basin/Kaw Nation Room)		
		Business Management Alcove room <i>Cheryl Boyer, Moderator</i>	
1:30 - 2:20 pm	Managing Minimal-To-No-Mow Areas on the Golf Course and Landscape - Ross Braun (3A & 3B - 1 hr)	Strategies for Avoiding "The Race to the Bottom" - Randy James	Controlling Canada Goose Damage to Turf and Landscapes - Drew Ricketts
2:25 - 2:55 pm	Industry Panel Discussion *Hosting the PGA TOUR Korn Ferry event - <i>Logan Spurlock</i> *The State of the Seed Market - <i>Todd Winkelman</i> *Sports Turf Highs and Lows in '22 - <i>Caleb Clements and Jody Gill</i>	Personal Financial Planning - Elizabeth Kiss	Suppressing Weeds with Organic Products - Dani McFadden (3B - .5 hr)
3:00 - 3:35 pm			Tree Injections: A Solution or Problem? - Randy James (3A - .5 hr)
3:35- 3:50 pm		Considerations for Hiring New Media Marketing Personnel - Cheryl Boyer	
3:35 pm	Commercial Pesticide Exam - Konza A room		
3:50 pm	Conference Adjourned		

SPEAKERS

Charles Barden, Horticulture, K-State
Cheryl Boyer, Horticulture, K-State
Caleb Clements, North KC School Dist.
Raymond Cloyd, Entomology, K-State
Jack Fry, Horticulture, K-State
Roch Gaussoin, Agronomy & Horticulture, Univ. of Nebraska
Joe Gerken, Wildlife & Outdoor Mgmt., K-State
Jody Gill, Creekside Baseball, Lees Summit, MO
Jason Graves, Central KS Extension District, Salina, KS
Jason Griffin, Horticulture, K-State

Randy James, Tree Biologics, Manhattan, KS
Steve Keeley, Horticulture, K-State
Megan Kennelly, Plant Pathology, K-State
Elizabeth Kiss, Personal Financial Planning, K-State
Paul Koch, Plant Pathology, Univ. of Wisconsin
Dani McFadden, Horticulture, K-State
Matthew McKernan, Sedgwick Co. Extension, Wichita, KS
Judy O'Mara, Plant Pathology, K-State
Dennis Patton, Johnson Co. Extension, Olathe, KS
Zane Raudenbush, Davey Tree Expert, Ohio
Drew Ricketts, Wildlife & Outdoor Mgmt., K-State

Logan Spurlock, Blue Hills CC, Kansas City, MO
Cassie Thiessen, Post Rock Extension District, Beloit, KS
Ward Upham, Horticulture, K-State
Todd Winkelman, Grass Pad, Olathe

PRESENTATION DESCRIPTIONS

Wednesday, November 30

General Session - Flint Hills

Welcome, Orientation and Announcements - Jack Fry

Tips and Tricks for Accurately Applying Preemergence Herbicides for Turf & Ornamentals - Zane Raudenbush

An overview of the most commonly used preemergence herbicides in turf and ornamentals and techniques for applying liquid and granular products accurately and efficiently. (3A/3B - 1 hr)

Basic Turf - McDowell/Tuttle

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

Basic Nursery & Landscape - Alcove

A series of presentations that cover the basic knowledge needed to manage plants growing in nurseries and landscape systems in the Midwest. A great starting point for new employees.

Diseases, Insects & Weeds - Flint Hills

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

Biting "Bugs": How to Avoid Getting Bitten by Biting "Bugs" - Raymond Cloyd

Learn about the biology and ecology of mosquitoes, ticks, chiggers, and oak leaf mite and the strategies that can be implemented to alleviate getting bitten by these biting "bugs." (3A/3B - 1 hr)

Landscape & Turf Disease Update - Judy O'Mara

This session will cover common Kansas landscape and turf plants and their current pest challenges. (3A/3B - 1 hr)

Common Diseases of Cool-Season Turfgrass - Paul Koch

Fungal diseases are important pests of cool-season turfgrasses. Changing conditions in recent summers have resulted in increased frequency and severity of certain diseases. This presentation will summarize some of the most common and destructive turfgrass diseases and discuss strategies for their effective management based on the latest university research. (3B - 1 hr)

Pushing Back Preemergence Applications for Better Late Season Control - Roch Gaussoin

Crabgrass and foxtail germinate at different times. Can an applicator adjust timing to control both species effectively and increase efficiency without compromising control? Are there other weed pests that could also be better controlled with simple adjustments in timing? Results of a research investigating this strategy will be demonstrated and discussed. (3A/3B - 0.5 hr)

Advanced Turf - Konza Prairie BC

Organic Matter Management for Cool-Season Golf Greens and Sports Turf - Roch Gaussoin

The organic matter story, as told repeatedly, is continuing to evolve. What was, what is, and what might be on the horizon will be discussed, focusing on what the turfgrass manager can do to manage organic matter accumulation in sand based rootzones. (3B - 1 hr)

Preparing Putting Greens for the Summer Marathon - Jack Fry

Various cultural practices can impact the performance of creeping bentgrass and annual bluegrass through summer heat. You may hear one or more cultural strategies of interest from an extended list to be presented.

Reduced Risk Pest Management - Paul Koch

Pesticides are a vital piece of an effective pest management plan, but their use is coming under increasing scrutiny and pesticide-free alternatives have yet to provide commercially viable alternatives. In this seminar we'll discuss the science behind implementing a reduced-risk pest management program and strategies that you can employ to reduce risk in your own pest management plan. (3A/3B - 1 hr)

Golf Course Sprayers: Past, Present and Future Technologies - Zane Raudenbush

This presentation will discuss the difference between speed and pressure spraying versus flow-based spraying. Attendees will learn about GPS controlled sprayers and emerging technologies. (3A/3B - 1 hr)

Understanding Herbicide Failures - Why Didn't My Application Work as Expected? - Steve Keeley

Sometimes herbicide applications don't meet our expectations. Why is that? This presentation about preemergence and postemergence herbicides will discuss some common reasons herbicide applications fail, and what you can do about it. (3B - .5 hr)

Thursday - December 1

General Session - Flint Hills

Welcome and Announcements - Mike Maas

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 K-State vs. Nebraska Men's Basketball game at the T-Mobile Center in Kansas City on Saturday, December 17.

The Surprising Amount of Science Behind Pesticide Recommendations - Paul Koch

In this seminar we will discuss the surprising amount of science that goes into those seemingly straightforward product recommendations for pesticides used on turf and landscape plants. We will focus on how the research is conducted, how the data is collected and analyzed, and how to accurately read those research reports. Attendees will learn more about the university research process, be able to confidently read and understand university research reports, and better appreciate the resources needed to conduct research. (3A/3B - 1 hr)

Reflections on 35 years of Turfgrass Research & Overview - Roch Gaussoin

After 35 years of turfgrass research and sharing recommendations with turfgrass managers it has become apparent that, just when you think you have things figured out, you realize you don't. Expect the unexpected! (3B - 1 hr)

Advanced Turf - Konza Prairie BC

New Zoysia Update - Ross Braun & Jack Fry

A 10-year, four-phase collaborative effort among three universities has developed a new hybrid zoysiagrass with improved turf quality, winter hardiness, and pest resistance in comparison to commercial zoysiagrass cultivars. Results and future plans will be discussed.

Student Internship Overview by K-State Students

K-State Students will highlight internship experiences that stand out from '21 and '22 and give guidance on how interns can be attracted to your location.

Managing Minimal-to-no Mow Areas on the Golf Course and Landscape - Ross Braun

Management and weed control strategies for minimal-to-no mow areas and ornamental grasses on golf courses, home lawns, and in the landscape. (3A/3B - 1 hr)

Industry Panel Discussion

*Hosting the PGA TOUR Korn Ferry event - Logan Spurlock, Blue Hills CC

*The State of the Seed Market- Todd Winkelman, Grass Pad

*Sports Turf Highs and Lows in '22 - Caleb Clements, North KC School District and Jody Gill, Creekside Baseball

Nursery & Landscape - Alcove

Redheaded Flea Beetle: A Major Insect Pest of Nursery Production Systems - *Raymond Cloyd*

Hear about the biology, ecology, damage, and management associated with the redheaded flea beetle, a major insect pest of nursery production systems. (3A - 1 hr)

Nursery & Landscape Disease Update - *Judy O'Mara*

This session will take a look at introduction and movement of emerging diseases within nursery and landscape settings.

(3A - 1 hr)

Business Management - McDowell/Tuttle

Strategies to Avoid "The Race to the Bottom" - *Randy James*

Owning and operating a business is not for the faint of heart. How do we create and hold to a vision that demands our best selves and avoids the all too common "Race to the Bottom?"

Personal Financial Planning - *Elizabeth Kiss*

Making smart financial decisions is important in business and in our personal lives. Let's learn together how being prepared financially for life's challenges will help us feel more secure and be able to plan for the future. In this session, we'll cover considerations for current, ongoing, and future financial obligations so we can achieve our goals and enjoy life.

Considerations for Hiring New Media Marketing Personnel - *Cheryl Boyer*

Engaging with customers consistently can be challenging. Sometimes it makes sense to assign new-media marketing tasks to internal staff and sometimes it makes sense to hire an external contractor. This short session will cover things to think about and questions to ask in the hiring process.

Dealing with Pests - McDowell/Tuttle

Developing a Comprehensive Silvery-Thread Moss Control Program - *Zane Raudenbusch*

Attendees will learn about the most important life history traits of silvery-thread moss and how to manipulate their management practices to reduce the overall competitiveness of silvery-thread moss. (3B - 1 hr)

Surf & Turf: Surface Runoff and Turfgrass Management Techniques for Healthy Ponds - *Joe Gerken*

We will discuss how to properly manage turfgrass systems and watersheds for successful ponds. Discussions will include fertilizer and herbicide applications, best watershed management practices, and techniques to manage ponds for healthy ecosystems.

(3A/3B - 1 hr)

Controlling Canada Goose Damage to Turf and Landscapes - *Drew Ricketts*

Resident Canada geese can cause significant damage to turf systems through their feeding activities, and feces accumulation can be a sanitary concern. Furthermore, geese sometimes choose to nest near areas of high human activity and their territorial behavior can be disruptive. This talk will cover Canada goose biology, appropriate methods for managing goose damage, and the legality of goose control.

Suppressing Weeds with Organic Products - *Dani McFadden*

Crabgrass control in the spring is often critical for homeowners and turf managers alike. Come hear about organic control strategies we have evaluated during an ongoing multi-state research trial.

(3B - .5 hr)

Tree Injections: A Solution or Problem? - *Randy James*

Tree Trunk injections are becoming more common in plant health programs each year. How do we sort through the myriad of systems and products now available to help trees not hurt them?

(3A - .5 hr)

Conference Location

The Kansas Turf & Landscape 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: \$104 Reservations can be made online by October 30 at <https://www.hilton.com/en/attend-my-event/mangigi-turf22-df47fcb7-e314-4351-a6db-8d614d9462f9/>

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

Registration

To register online and pay by credit card go to <https://2022turfconference.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.

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, 2022. 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 occur on behalf of the KTF in its commitment to hold this conference.

Pesticide Recertification Credit Hours



The Kansas Turf & Landscape Conference 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://agriculture.ks.gov/divisions-programs/pesticide-fertilizer/renewals> to pay the fees and renew before December 31st.



GCSAA Education Points

November 30 - 0.55 ed points
December 1 - 0.55 ed points



Int'l. Society of Arboriculture

CEUs available for Certified Arborists

Covid protocols will match what is current at the time for Riley County

Kansas Turf & Landscape Conference

November 30 & December 1, 2022 Pre-Registration Form

Register online at: <https://2022turfconference.eventbrite.com>

FULL Registration (2 days) (\$275.00 at conference)

\$250.00 x _____

*Includes 2-day 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-Nov. 30 (\$150 at conf.) *Includes trade show; no dues.*

\$125.00 x _____

THURSDAY only-Dec. 1 (\$150.00 at conference)

\$125.00 x _____

Includes lunch, trade show; no dues.

2023 Kansas Turfgrass Foundation Membership Dues

\$ 75.00 x _____

A 2023 Kansas Turfgrass Foundation Directory will be sent to each member

Name of individual(s) joining association: _____

2023 KNLA Membership Dues can be paid at <http://ksnla.org/join-ksnla/>

Yes, I need to take the Pesticide Exam on Dec. 1 at 3:35 p.m.

TOTAL:

\$ _____

Dietary or special assistance needed: _____

Company/business name _____

Individual _____

Mailing address _____

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

Email: _____

Payment:

Check payable to Kansas Turfgrass Foundation enclosed

Please invoice (*payable upon receipt*)

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

Name on card (printed) _____

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 Turf & Landscape Conference November 30 & December 1 Manhattan, KS

Featured Speakers



Dr. Roch Gaussoin Dr. Roch Gaussoin is a professor in the Agronomy and Horticulture Department at the University of Nebraska. His research focuses on two areas — turfgrass weed management investigations and organic matter management in sand based rootzones.



Dr. Paul Koch is an Assistant Professor in the Department of Plant Pathology at the University of Wisconsin. The goal of his research program is to lower the non-target impacts of pest management in turfgrass and urban landscapes. His focus is on precision disease management using predictive models, pesticide fate and impact on turfgrass landscapes, and the turfgrass microbiome.



Dr. Zane Raudenbush is the Turf and Herbicide Specialist at Davey Institute. He supports Davey's turfgrass programs and plays an active role in the development of a strategic research plan for the Davey Institute's new research campus in Kent, Ohio.