

# 61<sup>st</sup> Annual Kansas Turfgrass Conference

December 6-8, 2011 • Kansas Expocentre • Topeka, KS

**K-STATE**  
Research and Extension

Kansas State University  
Agricultural Experiment Station  
and Cooperative Extension Service

Kansas Turfgrass Foundation

## Tuesday, December 6

8:00 a.m.	Registration (north entrance) and exhibitor set up (Exhibit Hall)					
	<b>Basic Turfgrass</b> Pioneer Room	<b>Disease, Insect and Weed Management</b> Sunflower Room <i>Brian Kane, Moderator</i>	<b>Zoysiagrass and Bermudagrass Symposium</b> Shawnee A Room <i>Brad Gray, Moderator</i>	<b>Trees, Flowers and Shrubs</b> Shawnee B/C Room <i>Tony Goldsby, Moderator</i>	<b>Mechanics</b> River Room	
9:00 a.m.	<b>Turfgrasses for Kansas</b> <i>Zane Raudenbush</i>	<b>Turfgrass Troubleshooting: A Guide to Diagnosing Turf Problems</b> <i>Jim Kerns</i> (3B – 1 hr)	<b>Zoysiagrass 101</b> <i>Jack Fry</i>	<b>Dealing with Spider Mites</b> – <i>Ray Cloyd</i> (3A – 0.5 hr)	<b>After-Cut Appearance</b> <i>David Shirk</i> Top 10 Check and Facts. Machine vs. Turf • Define • Duplicate • Troubleshoot • Possible Corrections	
9:30	<b>Mowing Basics</b> <i>Cole Thompson</i>		<b>Managing Zoysiagrass</b> Panel: <i>Megan Kennelly, Brad Gray, Dick Stuntz, CGCS, Jack Fry</i> (3B – 1 hr)	<b>Death, Taxes and Weeds</b> – <i>Stu Warren</i> (3A and 3B – 0.5 hr)		
10:00	<b>Turfgrass Weeds</b> <i>Josh Chabon</i> (3B – 0.5 hr)		<b>Systemic Insecticides</b> <i>Ray Cloyd</i> (3A and 3B – 0.5 hr)	<b>Growing Your Business With Social Media</b> – <i>Cheryl Boyer</i>		
10:30	<b>BREAK</b> – Coffee and Doughnuts					
10:45	<b>Fertilization</b> <i>Kenton Peterson</i>	<b>How Long Do Fungicides Remain Active?</b> <i>Jim Kerns</i> (3A and 3B – 1 hr)	<b>Bermudagrass Management</b> Panel: <i>Jaron Gerber, John Lamle, Matt Miller, Rodney St. John</i> (3B – 1 hr)	<b>Groundcovers and Flowers for Problem Areas in the Landscape</b> – <i>Pam Paulsen</i>		
11:15	<b>Soils</b> <i>Ward Upham</i>		<b>Is That All You Got, 2011?</b> – <i>Jason Griffin</i>			
11:45	<b>LUNCH</b> – On Your Own					
	<b>Basic Turfgrass (cont.)</b> Pioneer Room	<b>Weed and Disease Management</b> Sunflower Room <i>Brian Kane, Moderator</i>	<b>Managing Summer Stress</b> Shawnee A Room <i>Brad Gray, Moderator</i>	<b>Sports Turf Management</b> Shawnee B/C Room <i>Rodney St. John, Moderator</i>	<b>Mechanics (cont.)</b> River Room	
1:15 p.m.	<b>Turfgrass Insects</b> <i>Ward Upham</i> (3B – 0.5 hr)	<b>Core Hour: Laws, Safety, and Environmental Concerns</b> <i>Duane Simon</i>	<b>Managing Heat Stress on Bentgrass</b> <i>Bert McCarty</i>	<b>Problem-Solving Round Table</b> <i>Dennis Odom, Dwight Doud, Rodney St. John</i>	<b>Reel Science and Optimum Cut Technology</b> <i>Ron Blodgett</i>	
1:45	<b>Turfgrass Diseases</b> <i>Jesse Ostrander</i> (3B – 0.5 hr)					
2:15	<b>BREAK</b>					
2:30	<b>Irrigation</b> <i>Tony Goldsby</i>	<b>You May Be Using Too Much Water When You Spray</b> <i>Zane Raudenbush</i> (3A and 3B – 0.5 hr)	<b>Unwanted Heat-Shrinking Grasses May Be Giving Your Turf a Bad Rap</b> <i>Cole Thompson</i> (3B – 0.5 hr)	<b>Synthetic Turf Baseball Fields</b> <i>Robert Ralston</i>		
3:00	<b>Cultivation</b> <i>Kenton Peterson</i>	<b>Top 10 Turf and Ornamental Disease Problems from 2011</b> <i>Megan Kennelly</i> (3 to 4 p.m. 3A/3B – 1 hr)	<b>What We Know About Preventing Summer Turf Decline</b> <i>Steve Keeley</i>	<b>Using IPM to Improve Turf Health and Pest Management</b> <i>Katerina Jordan</i> (3B – 0.5 hr)		
3:30 – 6:00	<b>TRADE SHOW:</b> Meet with vendors, network, and chat with speakers in an informal setting.					

## Wednesday, December 7

8:00 a.m.	<b>Registration</b> – North Entrance			
	<b>General Session</b> Sunflower Room – <i>Matt Miller, Moderator</i>			
8:30	<b>Welcome and Opening Remarks</b> – <i>Matt Miller, KTF President</i>			
8:45	<b>Turfgrass's Niche in a Green Society</b> – <i>Jack Fry (3B – 0.5 hr)</i>			
9:30	<b>Dealing with Pesticide Restrictions in Ontario</b> – <i>Katerina Jordan (3A and 3B – 0.5 hr)</i>			
10:15	<b>AWARDS</b> – and meet the rising stars in our undergraduate turf program.			
10:45	<b>Old Problems, New Solutions</b> – <i>Bert McCarty (3B – 0.5 hr)</i>			
11:15	<b>Where Research Funding Comes From</b> – <i>Stu Warren</i>			
11:30	<b>KSU Research Overview</b> – <i>KSU Turfgrass Team (3A and 3B – 0.5 hr)</i> Each participant will be given a raffle ticket at the beginning of the general session. Two lucky winners will receive two tickets each to the Big 12 Men's Basketball Tournament at the Sprint Center on March 7, 2012.			
12:00	<b>LUNCH</b> – Exhibit Hall – Buffet with vendors			
	<b>Weed Management</b> Sunflower Room <i>Matt Miller, Moderator</i>	<b>Water Management</b> Shawnee A Room <i>Dale Bremer, Moderator</i>	<b>Sports Turf Management</b> Shawnee B/C Room <i>Tony Goldsby, Moderator</i>	<b>Trees, Flowers and Shrubs</b> Pioneer Room <i>Cole Thompson, Moderator</i>
1:30 p.m.	<b>Preemergence Herbicides: How They Work and How They Fail</b> – <i>Bert McCarty (3A and 3B – 0.5 hr)</i>	<b>Irrigation Scheduling</b> <i>Rodney St. John</i>	<b>Diagnosing and Managing Cool-Season Turf Diseases</b> <i>Jim Kerns (3B – 0.5 hr)</i>	<b>Abiotic Causes of Tree Health Issues</b> <i>Charles Barden (3A – 0.5 hr)</i>
2:00	<b>Controlling Broadleaf Weeds in the Spring with New Herbicides</b> – <i>Steve Keeley (3A and 3B – 0.5 hr)</i>		<b>Weed Biology and Control in Athletic Fields</b> <i>Bert McCarty (3B – 0.5 hr)</i>	<b>Tree Injection Systems</b> <i>Randy James (3A – 0.5 hr)</i>
2:30	<b>Overseeding as Weed Prevention in Maintained Turf</b> – <i>Katerina Jordan (3A and B – 0.5 hr)</i>	<b>Use Kentucky Bluegrass on that Droughty Site!</b> <i>Dale Bremer</i>	<b>Thirty Tips for Maintaining Sports Turf on a Limited Budget</b> <i>Jack Fry</i>	<b>Tough Perennials for Challenging Environments</b> <i>Lynn Loughary</i>
3:00	<b>The Use of Alternative Weed Control</b> – <i>Katerina Jordan (3A and 3B – 0.5 hr)</i>	<b>Want Drought Resistance? Start with the Soil</b> <i>Kenton Peterson</i>		<b>Diseases of Roses</b> <i>Judy O'Mara (3A – 0.5 hr)</i>
3:30 – 5:30	<b>TRADE SHOW:</b> Meet with vendors, network, and chat with speakers in an informal setting. <b>Free refreshments.</b>			
5:00	<b>Raffle Drawing:</b> 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	<b>Take down</b> time for exhibitors (or Thursday morning)			

## Thursday, December 8

8:00 a.m.	<b>Registration</b>			
	<b>General Session</b> Shawnee A Room – <i>Rodney St. John, Moderator</i>			
8:30	<b>Professionalism and Networking in the Green Industry</b> – <i>Bill Maynard, CGCS</i>			
9:30	<b>Indigestion in 2011</b> – <i>Panel: Brian Kane, Gary Sailer, CGCS, Greg Van Booven</i>			
10:00	<b>BREAK</b> – Coffee and Doughnuts			
10:15	<b>"Flash and Dash" Audience-Based Panel</b> – <i>Learn from your peers.</i>			
11:00	<b>Myth Busters</b> – <i>Rodney St. John</i>			
11:30	<b>Adjourn</b>			
11:30	<b>Commercial Pesticide Exam (3A and 3B)</b> – Homestead Room The Department of Agriculture will administer this exam. The fee is \$45 for each exam (General, 3A, 3B) and is payable to the Kansas Department of Agriculture <i>that day</i> . Training manuals can be obtained from your local K-State Research and Extension office or the KSRE Bookstore, Umberger Hall at 785-532-5830.			

# Presentation Descriptions

**Tuesday, December 6**

## Basic Turfgrass Workshop

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

## Disease, Insect and Weed Management

**Turfgrass Troubleshooting: A Guide to Diagnosing Turf Problems** – *Jim Kerns*. Turf loss can occur from abiotic or biotic stress and distinguishing between the two is difficult. This presentation will highlight the difference between symptom development and progression for abiotic and biotic stresses. (3B – 1 hr)

**Systemic Insecticides** – *Ray Cloyd*. This presentation will discuss the characteristics of systemic insecticides and how to maximize their effectiveness when managing insect pests of ornamentals and turfgrass. (3A & 3B – 0.5 hr)

**How Long Do Fungicides Remain Active: An Investigation into Fungicide Chemistry** – *Jim Kerns*. Fungicides are routinely applied to golf course putting greens, fairways and tees. Learn what happens to these products after they are applied. (3A & 3B – 1 hr)

## Pesticide Applicator Core Hour and Weed Management

**Core Hour: Laws, Safety and Environmental Concerns** – *Duane Simon*. Regulatory information required for certified applicators.

**You May Be Applying Too Much Water When You Spray** – *Zane Raudenbush*. Spray volume often receives little attention, but it may determine how well a pesticide application performs and affects the time required to do the job. This talk will look at research into the influence of spray volume on pesticide effectiveness. (3A and 3B – 0.5 hr)

**Top 10 Turf and Ornamental Disease Problems from 2011** – *Megan Kennelly*. Find out which diseases were most active during the hot summer of 2011. (3A and 3B – 1 hr)

## Zoysiagrass and Bermudagrass Symposium

**Zoysiagrass 101** – *Jack Fry*. You've seen it, and maybe managed it. Do you know the story behind the zoysias used in Kansas, the U.S., and world? New cultivars for golf and home lawns are coming – get the scoop here.

**Managing Zoysiagrass** – *Panel: Jack Fry, Brad Gray, Megan Kennelly, Dick Stuntz, CGCS*. Hear how the practitioners do it: weed, disease, insect control, fertilization, irrigation, aerification, and thatch management. (3B – 1 hr)

**Bermudagrass Management** – *Panel: Jaron Gerber, John Lamle, Matt Miller, Rodney St. John*. Water rates are going up throughout the state; have you considered bermudagrass? Hear the latest information about pest control, vegetative and seeded cultivars, and best management practices. (3B – 1 hr)

## Managing Summer Stress

**Managing Heat Stress on Bentgrass** – *Bert McCarty*. A review of strategies that superintendents in the southeastern U.S. have developed to help manage bentgrass through extreme heat stress.

**Unwanted Heat-Shrinking Grasses May be Giving Your Turf a Bad Rap** – *Cole Thompson*. You may be planting unwanted grasses along with your desirable turf. Learn what we know about these grasses and how to avoid the problem. (3B – 0.5 hr)

**What We Know About Preventing Summer Turf Decline** – *Steve Keeley*. This presentation will summarize more than 30 years of research on the causes and cures of summer turf decline, and will distill the research results into practical steps you can take to strengthen your turfgrass stands against the inevitable Kansas summer stress.

## Trees, Flowers and Shrubs

**Dealing with Spider Mites** – *Ray Cloyd*. Spider mites can be destructive pests of ornamental plants. This presentation will discuss the biology, damage, and management strategies that can be implemented to avoid having to deal with substantial populations of spider mites. (3A – 0.5 hr)

**Death, Taxes and Weeds** – *Stu Warren*. If you want to win the war against weeds, you need to understand weeds and weed biology, which includes characteristics, identification, life cycle, and stage of growth. All these affect management options. This presentation will focus on what you need to know about weeds to make you a better weed manager. (3A and 3B – 0.5 hr)

**Growing Your Business with Social Media** – *Cheryl Boyer*. Don't be overwhelmed by social media! Incorporating this marketing angle into your business will enhance your relationships with customers if you use it the right way. Come to

this seminar to sort out which social media platform fits with your business and how to best use it to achieve your goals.

**Groundcovers and Flowers for Problem Areas in the Landscape** – *Pam Paulsen*. Identifying groundcovers and flowers for low spots, shade and other problem areas.

**Is that ALL You Got, 2011?** – *Jason Griffin*. Record cold, record heat, record drought! In 2011, Mother Nature reminded us once again that she makes the rules. This presentation will focus on observations from the historic freeze in February to heat and drought not seen since the dust bowl years. Landscape plants experienced all Kansas has to offer this year. So what did we learn from the past 12 months?

## Sports Turf Management

**Problem Solving Round Table** – *Dwight Doud, Dennis Odom, Rodney St. John*. This class is designed to give you answers to problems you deal with in managing sports turf. Send your questions via email, prior to the convention, to [dodom@teamlab.net](mailto:dodom@teamlab.net) or bring them with you to the conference.

**Synthetic Turf Baseball Fields** – *Robert Ralston*. The pros, cons, and maintenance of next generation artificial fields.

**Using IPM to Improve Turf Health and Pest Management** – *Katerina Jordan*. This talk will briefly outline some of the fundamentals of IPM and how they can be incorporated into a turfgrass management program, both with and without the use of pesticides. (3B – 0.5 hr)

## Mechanics Workshop

**After Cut Appearance** – *David Shirk*. Top 10 checks and facts – machine vs. turf. (Define, duplicate, troubleshoot)

**Reel Science and Optimum Cut Technology** – *Ron Blodgett*  
With investments in reel mower equipment ranging from \$15K to in excess of \$40K, your goals of minimizing potential for issues is more critical than ever.

- Learn how your grinding practices can affect your machinery investment.
- Evaluate the best grinding techniques for new grass strains, lower heights of cut and reel and traction technologies.
- Learn maintenance practices that will protect your investment and provide optimum return.

## Wednesday, December 7

### General Session

**Turfgrass's Niche in a Green Society** – *Jack Fry*. Some have implied that turf, and the management practices imposed on it, are bad for the environment. What does the research say? (3B – 0.5 hr)

**Dealing with Pesticide Restrictions in Ontario** – *Katerina Jordan*. In April 2009, the Cosmetic Pesticide Ban was implemented in Ontario. This talk will discuss the effect that it has had on the Ontario turfgrass industry, especially the lawncare sector, as well as athletic field and golf course management, both from an economic and a management perspective. (3A & 3B – 0.5 hr)

**Old Problems, New Solutions** – *Bert McCarty*. The turf world has changed drastically in the last 10 years with many changes driven by economics. Unfortunately, many previously existing problems of growing turfgrass remain, forcing the industry to develop new solutions. Session covers major problems and potential remedies. (3B – 0.5 hr)

**Where Research Funding Comes From** – *Stu Warren*. The state used to provide most of the funds for university research; not anymore. Learn where the dollars come from that support turf research.

**KSU Research Overview** – A stimulating lineup of K-State researchers. Each has 5 minutes to highlight 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!) (3A and 3B – 0.5 hr)

### Weed Management

**Preemergence Herbicides: How They Work and How They Fail** – *Bert McCarty*. Have you ever scratched your head wondering why the preemergence herbicide you applied doesn't appear to be working as advertised? We will cover the major products and their inherent properties, which often influence their efficacy. (3A & 3B – 0.5 hr)

**Controlling Broadleaf Weeds in the Spring With New Herbicides** – *Steve Keeley*. The best time to control cool-season broadleaf weeds is generally in the fall, but turfgrass managers often need to control them in the spring. This presentation will look at how well several new herbicides work for dandelion control when applied at various timings in the spring, along with their safety to nearby landscape plants. (3A and 3B – 0.5 hr)

**Overseeding as Weed Prevention in Maintained Turf** – *Katerina Jordan*. The use of overseeding as an alternative practice for weed management has been used in athletic field maintenance for a number of years – see how effective it can be. (3A and 3B – 0.5 hr)

**The Use of Alternative Weed Control** – *Katerina Jordan*. Implementation of the Cosmetic Pesticide Ban in Ontario has led to development and testing of a number of alternative weed control measures to reduce weed populations in both home lawns and athletic fields. This talk will discuss the results of a two-year study initiated to examine alternative methods of weed management. (3A and 3B – 0.5 hr)

## Water Management

**Irrigation Scheduling** – *Rodney St. John*. In this class, we will answer the two big questions most people have; ‘How do I know how much water I’m applying at each time?’ and ‘How often should I water?’ We will discuss using weather data and soil moisture sensors for scheduling irrigation and how to audit your system to make sure you are applying the correct amount.

**Use Kentucky Bluegrass on that Turf Droughty Site!** – *Dale Bremer*. Kentucky bluegrass is underestimated when it comes to its potential to resist drought. See the evidence.

**Want Drought Resistance? Start with the Soil** – *Kenton Peterson*. Good drought resistance starts below ground. Don’t expect miracles without a good foundation.

## Sports Turf Management

**Diagnosing and Managing Cool-Season Turf Diseases** – *Jim Kerns*. Diagnosis and management of important diseases of cool-season grasses used for athletic fields. (3B – 0.5 hr)

### **Pesticide Recertification Credit Hours**

The Kansas Turfgrass Conference has been approved for commercial recertification credit as follows.

1 Core Hour

3A – 7 hours maximum based on attendance

3B – 9 hours maximum based on attendance

Presentations qualifying for 3A or 3B pesticide recertification credits 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 it to the moderator in the last session you are attending.

### **GCSAA Education Points**

The following sessions have been approved for GCSAA education points.

**December 6 workshops** - .45 education points each

**December 7** - .45 education points

**December 8** - .30 education points

**International Society of Arboriculture** -

3.0 CEUs available for Certified Arborists



**Weed Biology and Control in Athletic Fields** – *Bert McCarty*. See the major weeds often experienced on sports fields and the cultural practices that may encourage or discourage their existence. We will also cover the latest herbicide options and develop year-round weed management programs for various sports field situations. (3B – 0.5 hr)

**30 Tips for Maintaining Sports Turf on a Limited Budget** – *Jack Fry*. Cut costs without cutting quality: Tips for saving money on everything from pest control to mowing practices.

## Trees, Flowers and Shrubs

**Abiotic Causes of Tree Health Issues** – *Charles Barden*. Common tree health issues not caused by insect or disease, but rather various forms of environmental conditions, ranging from lightning strikes and waterlogged soil, to drought stress and herbicide damage. (3A – 0.5 hr)

**Tree Injection Systems** – *Randy James*. An overview of different systems on the market, discussing pros and cons. (3A – 0.5 hr)

**Tough Perennials For Challenging Environments** – *Lynn Loughary*. Some plants can survive and thrive with minimal maintenance regardless of what the Kansas climate throws at them.

**Diseases of Roses** – *Judy O’Mara*. Learn about rose disease problems and management strategies. (3A – 0.5 hr)

## Thursday, December 8

### **General Session**

**Professionalism and Networking in the Green Industry** – *Bill Maynard, CGCS*. Communication is vital in today’s green industry. The ability to increase your network is even more vital to long-term success. This session will give you tools to increase your communication skills and broaden your network.

**Indigestion in 2011** – *Panel: Brian Kane, Gary Sailer, CGCS and Greg Van Booven*. Highlights from the past year from your colleagues on the front line.

**“Flash and Dash” Audience-Based Panel** – People in the turf and landscape business face daily challenges including pests, crew management, client interactions, budgets, and weather. This session presents a series of short photographic case studies from you and your peers. We’ll flash pictures of challenges and successes to learn real-world solutions. If you’d like to share a story, contact Megan Kennelly ([kennelly@ksu.edu](mailto:kennelly@ksu.edu)) before the conference.

**Myth Busters** – *Rodney St. John*. See if the “truth” you’ve heard about various lawn and landscape management topics is based on science or just a myth.

# 2011 Speakers

**Charles Barden**, Forestry Division, K-State, Manhattan  
**Cheryl Boyer**, Horticulture Division, K-State, Manhattan  
**Ron Blodgett**, Foley-United, Overland Park, KS  
**Dale Bremer**, Horticulture Division, K-State, Manhattan  
**Josh Chabon**, Horticulture Division, K-State, Manhattan  
**Ray Cloyd**, Entomology Department, K-State, Manhattan  
**Dwight Doud**, Liberal USD #480, Liberal, KS  
**Jack Fry**, Horticulture Division, K-State, Manhattan  
**Jaron Gerber**, Renwick USD #267, Andale, KS  
**Tony Goldsby**, Horticulture Division, K-State, Manhattan  
**Brad Gray**, Mission Hills CC, Mission, KS  
**Jason Griffin**, Horticulture Division, K-State, Manhattan  
**Randy James**, Tree Biologics, Inc., Manhattan, KS  
**Katerina Jordan**, Plant Ag. Division, University of Guelph, Canada  
**Brian Kane**, Ryan Lawn and Tree, Overland Park, KS  
**Steve Keeley**, Horticulture Division, K-State, Manhattan  
**Megan Kennelly**, Plant Pathology, K-State, Manhattan  
**Jim Kerns**, Plant Pathology Department, University of Madison-Wisconsin  
**John Lamle**, Johnston Seed, Enid, OK  
**Lynn Loughary**, K-State Research and Extension, Wyandotte Co., Kansas City, KS

**Bill Maynard, CGCS**, Milburn CC, Overland Park, KS  
**Bert McCarty**, Environmental Horticulture, Clemson University, Clemson, SC  
**Matt Miller**, Carey Park GC, Hutchinson, KS  
**Judy O'Mara**, Plant Pathology, K-State, Manhattan  
**Dennis Odom**, Team Laboratory Chemical Co., Detroit Lakes, MN  
**Jesse Ostrander**, Plant Pathology, K-State, Manhattan  
**Pam Paulsen**, K-State Research and Extension, Reno Co., Hutchinson, KS  
**Kenton Peterson**, Horticulture Division, K-State, Manhattan  
**Robert Ralston**, Swope Memorial GC, Kansas City, MO  
**Zane Raudenbush**, Horticulture Division, K-State, Manhattan  
**Gary Sailer, CGCS**, Nicklaus GC at Lionsgate, Overland Park, KS  
**David Shirk**, Professional Turf Products, Euless, TX  
**Duane Simon**, Kansas Department of Agriculture, Topeka  
**Rodney St. John**, Horticulture Division, K-State, Manhattan  
**Dick Stuntz, CGCS**, Alvamar CC, Lawrence, KS  
**Cole Thompson**, Horticulture Division, K-State, Manhattan  
**Ward Upham**, Horticulture Division, K-State, Manhattan  
**Greg Van Booven**, Van Booven Lawn, Landscape and Tree, Shawnee Mission, KS  
**Stu Warren**, Horticulture Division, K-State, Manhattan

**Conference:** The conference will be held at the Kansas Expocentre in Topeka, 1717 SW Topeka Blvd.

**Hotel:** Capitol Plaza Hotel (on-site at the Kansas Expocentre). Room rate: \$91.00

Reservations can be made online at [www.capitolplaza-hoteltopoka.com](http://www.capitolplaza-hoteltopoka.com). Click on "book online" and you will be redirected to reservations page. In the top paragraph you will see "click here" to continue for secure bookings. After clicking there, you will be redirected to the reservation booking page. Select "group reservation" to continue booking. The attendee code for the discounted rate is TURF. Once the code is entered, you will be able to select the dates and book your reservation. OR, call the hotel directly at (785) 431-7200 (please mention you are part of Kansas Turfgrass Association or group code TU11).

**Cancellation 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 Dec. 1, 2011. The amount refunded will be less a \$25 processing fee. No refunds will be made after this date. Mail your request to: KTF Conference, 2021 Throckmorton Hall, KSU, Manhattan, KS 66506.

Kansas State University is committed to making its services, activities and programs accessible to all participant. If you have special requirements due to a physical, vision, or hearing disability, contact Christy Dipman at 785-532-6173, or Clyde Howard, Director of Affirmative Action, Kansas State University, (TTY) 785-532-4807.

#### **Kansas State University Agricultural Experiment Station and Cooperative Extension Service**

K-State Research and Extension is an equal opportunity provider and an employer. Issues in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas State University, County Extension Councils, and United States Department of Agriculture Cooperating, Gary Pierzynski, Interim Dean.

**Questions? – Call (785) 532-6173  
or email [cdipman@ksu.edu](mailto:cdipman@ksu.edu)**

# Kansas Turfgrass Conference – December 6, 7 and 8, 2011

## Pre-Registration Form

**FULL Registration (2 ½ days)** – Includes workshop, conference, lunch on Wednesday, 2012 dues, and trade show. (\$260 at conference) \$235.00 x \_\_\_\_\_

Name of participants \_\_\_\_\_

**Additional persons from same firm** (no dues included) (\$135 at conference) \$110.00 x \_\_\_\_\_

**TUESDAY only Dec. 6** – Includes trade show; no dues (\$100 at conference) 125.00 x \_\_\_\_\_

**Number of people attending Mechanics Workshop** \_\_\_\_\_

**WEDNESDAY only Dec. 7** – Includes lunch, trade show; no dues (\$135 at conference) \$125.00 x \_\_\_\_\_

**THURSDAY only Dec. 8** – No dues (\$60 at conference) \$ 50.00 x \_\_\_\_\_

**Trade show only** \$25.00 x \_\_\_\_\_

**2012 Kansas Turfgrass Foundation Membership Dues** \$75.00 x \_\_\_\_\_

(If not included in **full registration**)

A 2012 Kansas Turfgrass Foundation Directory will be sent to each member

Name of individual(s) joining association: \_\_\_\_\_

**TOTAL:** \$ \_\_\_\_\_

Company/business name \_\_\_\_\_

Individual \_\_\_\_\_

Mailing address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone ( ) \_\_\_\_\_

Fax ( ) \_\_\_\_\_ E-mail: \_\_\_\_\_

### Payment:

Check payable to Kansas Turfgrass Foundation enclosed  Please invoice

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

Name on card (printed) \_\_\_\_\_ Signature \_\_\_\_\_

\_\_\_\_\_ I require special assistance. Please indicate nature of disability or dietary restriction \_\_\_\_\_.

**Please return registration form by November 23 to:**

KTF Conference Registration, 2021 Throckmorton Hall, KSU, Manhattan, KS 66506-5507

**Horticulture Division**

2021 Throckmorton  
Kansas State University  
Manhattan, Kansas 66506-5507

# 61<sup>st</sup> Annual Kansas Turfgrass Conference

December 6-8, 2011 • Kansas Expocentre • Topeka, KS

**K-STATE**  
Research and Extension

Kansas State University  
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Kansas Turfgrass Foundation

## FEATURED SPEAKERS



**Katerina Jordan** is an assistant professor of turfgrass science at the University of Guelph. Her areas of research emphasis are in integrated pest management, plant pathology, and application of best management practices for healthy, sustainable turf. She also teaches in the Turfgrass Diploma

program and to undergraduate students where her courses focus on IPM and biological control of plant diseases and pests.



**Jim Kerns** is the extension turfgrass pathologist at the University of Wisconsin-Madison. His extension efforts focus on educating turfgrass managers on identifying disease problems, employing control measures that are efficacious, cost-effective, and environmentally sound. His research program focuses on, but is not limited to, three important diseases of turfgrasses in Wisconsin – dollar spot, anthracnose, and snow mold.



**Bert McCarty** is a professor in Environmental Horticulture at Clemson University in South Carolina. His research interest is in turf management and physiology, weed science and biology, and pest management.