



Tuesday, December 6

8:00 am	Registration (North Entrance) & Exhibitor Set-up (Exhibit Hall)				
	Basic Turfgrass Pioneer Room	Disease, Insect & Weed Management Sunflower Room <i>Brian Kane, Moderator</i>	Zoysia & Bermuda Symposium Shawnee A Room <i>Brad Gray, Moderator</i>	Trees, Flowers & Shrubs Shawnee B/C Room <i>Tony Goldsby, Moderator</i>	Mechanics River Room
9:00 am	Turfgrasses for KS - Zane Raudenbush	Turfgrass Troubleshooting - Jim Kerns (3B - 1 hr)	Zoysiagrass 101 - Jack Fry	Dealing with Spider Mites - Ray Cloyd (3A - 0.5 hr)	"After Cut Appearance" - David Shirk Top 10 check & facts. Machine vs. Turf *Define *Duplicate *Troubleshoot *Possible corrections
9:30	Mowing Basics - Cole Thompson		Managing Zoysiagrass - Panel: Megan Kennelly, Brad Gray, Dick Stuntz, CGCS & Jack Fry (3B - 1 hr)	Death, Taxes & Weeds - Stu Warren (3A/3B - 0.5 hr)	
10:00	Turfgrass Weeds - Josh Chabon (3B - 0.5 hr)	Systemic Insecticides - Ray Cloyd (3A & 3B - 0.5 hr)		Growing Business With Social Media - Cheryl Boyer	
10:30	BREAK - Coffee & Donuts				
10:45	Fertilization - Kenton Peterson	How Long Do Fungicides Remain Active? - Jim Kerns (3A & 3B - 1 hr)	Bermudagrass Management - Panel: Jason Gerber, John Lamle, Matt Miller, Rodney St. John (3B - 1 hr)	Groundcovers & Flowers for Problem Areas in the Landscape - Pam Paulsen	
11:15	Soils - Ward Upham			Is that All You Got, 2011? - Jason Griffin	
11:45	LUNCH (On Your Own)				
	Basic Turfgrass Pioneer Room	Weed & Disease Management Sunflower Room <i>Brian Kane, Moderator</i>	Managing Summer Stress Shawnee A Room <i>Brad Gray, Moderator</i>	Sports Turf Management Shawnee B/C Room <i>Rodney St. John, Moderator</i>	Mechanics River Room
1:15 pm	Turfgrass Insects - Ward Upham (3B-0.5hr)	Core Hour: Laws, Safety & Environmental Concerns - Duane Simon	Managing Heat Stress on Bentgrass - Bert McCarty	Problem Solving Round Table - Dennis Odom, Dwight Doud, Rodney St. John	Reel Science and Optimum Cut Technology - Ron Blodgett
1:45	Turfgrass Diseases - Jesse Ostrander (3B-0.5 hr)				
2:15	BREAK				
2:30	Irrigation - Tony Goldsby	Too Much Water When You Spray - Zane Raudenbush (3A/3B-.5 hr)	Unwanted Heat-Shrinking Grasses -Cole Thompson (3B - 0.5 hr)	Synthetic Turf Baseball Fields - Robert Ralston	
3:00	Cultivation - Kenton Peterson	Top 10 Disease Problems from 2011 - Megan Kennelly (3A & 3B - 1 hr) <i>This session goes until 4:00 pm</i>	What We Know About Preventing Summer Turf Decline - Steve Keeley	Using IPM to Improve Turf Health and Pest Management - Katerina Jordan (3B - 0.5 hr)	
3:30-6:00	TRADE SHOW: Meet with vendors, network, and chat with speakers in an informal setting.				

Wednesday, December 7

8:00 am	Registration (North Entrance)			
General Session - Sunflower Room (<i>Matt Miller, Moderator</i>)				
8:30	Welcome and Opening Remarks - <i>Matt Miller, KTF President</i>			
8:45	Turfgrass's Niche in a Green Society - <i>Jack Fry (3B - 0.5 hr)</i>			
9:30	Dealing with Pesticide Restrictions in Ontario - <i>Katerina Jordan (3A & 3B - 0.5 hr)</i>			
10:15	AWARDS and meet the rising stars in our undergraduate turf program.			
10: 45	Old Problems, New Solutions - <i>Bert McCarty (3B - 0.5 hr)</i>			
11:15	Where Research Funding Comes From - <i>Stu Warren</i>			
11:30	KSU Research Overview - <i>KSU Turfgrass Team (3A & 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 2 tickets each to the Big 12 Men's Basketball Tournament at the Sprint Center on March 7, 2012.			
12:00	TRADE SHOW & LUNCH - Exhibit Hall - Buffet with vendors			
	Weed Management Sunflower Room <i>Matt Miller, Moderator</i>	Water Management Shawnee A Room <i>Dale Bremer, Moderator</i>	Sports Turf Management Shawnee B/C Room <i>Tony Goldsby, Moderator</i>	Trees, Flowers & Shrubs Pioneer Room <i>Cole Thompson, Moderator</i>
1:30 p.m.	Preemergence Herbicides - <i>Bert McCarty</i> (3A & 3B - 0.5 hr)	Irrigation Scheduling - <i>Rodney St. John</i>	Diagnosing & Managing Cool-Season Turf Diseases - <i>Jim Kerns (3B - 0.5 hr)</i>	Abiotic Causes of Tree Health Issues - <i>Charles Barden (3A - 0.5 hr)</i>
2:00	Controlling Broadleaf Weeds - <i>Steve Keeley</i> (3A & 3B - 0.5 hr)		Weed Biology & Control - <i>Bert McCarty (3B - 0.5 hr)</i>	Tree Injection System - <i>Randy James (3A - 0.5 hr)</i>
2:30	Overseeding as Weed Prevention - <i>Katerina Jordan</i> (3A & 3B- 0.5 hr)	Use Kentucky Bluegrass on that Droughty Site! - <i>Dale Bremer</i>	30 Tips for Maintaining Sports Turf on a Limited Budget - <i>Jack Fry</i>	Tough Perennials for Challenging Environments - <i>Lynn Loughary</i>
3:00	Alternative Weed Control - <i>Katerina Jordan</i> (3A & 3B - 0.5 hr)			Want Drought Resistance? Start with Soil - <i>Kenton Peterson</i>
3:30-5:30	TRADE SHOW - Meet with vendors, network, and chat with speakers in an informal setting. Free refreshments.			
5:00	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	Take down time for exhibitors (or Thursday morning).			
Thursday, December 8				
General Session - Shawnee A Room (<i>Rodney St. John, Moderator</i>)				
8:30	Professionalism and Networking in the Green Industry - <i>Bill Maynard, CGCS</i>			
9:30	Indigestion in 2011 - Panel: <i>Brian Kane, Gary Sailer, CGCS, Greg Van Booven</i>			
10:00	BREAK - Coffee & Donuts			
10:15	"Flash & Dash" Audience-based Panel - <i>Learn from your peers.</i>			
11:00	Myth Busters - <i>Rodney St. John</i>			
11:30	Adjourn & Commercial Pesticide Applicators Exam (3A & 3B) - Homestead Room			

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.

Disease, Insect & Weed Management - Sunflower room

Turfgrass Troubleshooting - *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. (3A & 3B - 0.5 hr)

How Long Do Fungicides Remain Active - *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)

Core Hour: Laws, Safety & Environmental Concerns - *Duane Simon*. Regulatory information required for all 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 how it affects the time required to do the job. (3A & 3B - 0.5 hr)

Top 10 Turf & Ornamental Disease Problems - *Megan Kennelly*. Find out which diseases were most active during 2011. (3A & 3B - 1 hr)

Zoysiagrass & Bermudagrass Symposium - Shawnee A room

Zoysiagrass 101 - *Jack Fry*. New cultivars for golf and home lawns.

Managing Zoysiagrass - Panel: *Jack Fry, Brad Gray, Megan Kennelly, Dick Stuntz, CGCS*. 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*. The latest about pest control, vegetative and seeded cultivars, and best management practices. (3B - 1 hr)

Managing Summer Stress - Shawnee A room

Managing Heat Stress on Bentgrass - *Bert McCarty*. A review of strategies which superintendents in the southeastern USA 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 how to avoid the problem. (3B - 0.5 hr)

What We Know About Preventing Summer Turf Decline - *Steve Keeley*. The causes and cures of summer turf decline and steps you can take to strengthen your turfgrass stands against Kansas summer stress.

Trees, Flowers & Shrubs - Shawnee B/C room

Dealing with Spider Mites - *Ray Cloyd*. Biology, damage, and management strategies that can be implemented to avoid dealing with substantial populations of spider mites. (3A - 0.5 hr)

Death, Taxes & Weeds - *Stu Warren*. Characteristics, identification, life cycle and stage of growth of weeds. (3A & 3B - 0.5 hr)

Growing Your Business with Social Media - *Cheryl Boyer*. Incorporating this marketing angle into your business will enhance your relationships with customers. Sort out which social media platform fits with your business and how best to 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, etc.

Is that ALL You Got, 2011? - *Jason Griffin*. Observations from the historic freeze in February to heat and drought not seen since the dust bowl years. What did we learn from the past 12 months?

Sports Turf Management - Shawnee B/C room

Problem Solving Round Table - *Dwight Doud, Dennis Odom, Rodney St. John*. Get answers to problems you deal with in managing sports turf.

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*. Fundamentals of IPM and how they can be incorporated into a turfgrass management program. (3B - 0.5 hr)

Mechanics Workshop - River room

After Cut Appearance - *David Shirk*. Top 10 checks and facts.

Reel Science and Optimum Cut Technology - *Ron Blodgett*. How your grinding practices can affect your machinery investment; evaluate the best grinding techniques; maintenance practices.

Wednesday, December 7

General Session - Sunflower room

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*. The implementation of the Cosmetic Pesticide Ban had an effect on the turfgrass industry from an economic and management perspective. (3A & 3B - 0.5 hr)

Old Problems, New Solutions - *Bert McCarty*. The turf world has changed, with many of these changes being economically driven. Previous problems of growing turfgrass remain, forcing the industry to develop new solutions to these problems. (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 new findings from the past year's work.

Weed Management - Sunflower room

Preemergence Herbicides - *Bert McCarty*. 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*. 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 & 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 turf maintenance for years. (3A & 3B - 0.5 hr)

The Use of Alternative Weed Control - *Katerina Jordan*. The Cosmetic Pesticide Ban in Ontario has led to the need to develop and test a number of alternative weed control measures to reduce weeds. (3A & 3B - 0.5 hr)

Water Management - Shawnee A room

Irrigation Scheduling - *Rodney St. John*. 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.

Sports Turf Management - Shawnee B/C room

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)

Weed Biology and Control in Athletic Fields - *Bert McCarty*. See the major weeds often experienced on sports fields and the cultural practices which may encourage or discourage their existence. (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 & Shrubs - Pioneer room

Abiotic Causes of Tree Health Issues - *Charles Barden*. Common tree health issues caused by environmental conditions. (3A - 0.5 hr)

Tree Injection Systems - *Randy James*. An overview of different systems on the market today; discussing the pros and cons of each. (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*. Rose disease problems and their management strategies. (3A - 0.5 hr)

Thursday, December 8

General Session - Sunflower room

Professionalism and Networking in the Green Industry - *Bill Maynard, CGCS*. This session will give you some tools to increase your communication skills and broaden your network.

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

"Flash & Dash" Audience-based Panel - Learn from your peers. People in the turf and landscape business face unique challenges every day. We'll flash pictures of challenges and success stories, allowing everyone to learn from some real-world problem solving.

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, 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
Katerina Jordan, Plant Ag. Division, University of Guelph, Canada
Brian Kane, Ryan Lawn & Tree, Overland Park, KS
Steve Keeley, Horticulture Division, K-State, Manhattan
Megan Kennelly, Plant Pathology Dept., K-State, Manhattan
Jim Kerns, Plant Pathology, University of Madison-Wisconsin
John Lamle, Johnston Seed, Enid, OK
Lynn Loughary, K-State Research & Extension, Wyandotte Co.
Bill Maynard, CGCS, Milburn CC, Overland Park, KS
Bert McCarty, Env. Horticulture, Clemson Univ., Clemson, SC
Matt Miller, Carey Park GC, Hutchinson, KS
Judy O'Mara, Plant Pathology Dept., K-State, Manhattan
Dennis Odom, Team Laboratory Chemical Co., Detroit Lakes, MN
Jesse Ostrander, Plant Pathology, K-State, Manhattan
Pam Paulsen, K-State Research & Extension, Reno Co., Hutchinson
Kenton Peterson, Horticulture Division, K-State, Manhattan
Robert Ralston, Swope Memorial GC, Kansas City, MO
Zane Raudenbush, Horticulture, 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, KS
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 & Tree, Shawnee Msn., KS
Stu Warren, Horticulture Division, K-State, Manhattan

Pesticide Recertification Credit Hours

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

1 Core Hour

3A - 7 hours

3B - 9 (Max based on attendance)

Presentations qualifying for 3A or 3B credit are noted *after* the title.



GCSAA Education Points

December 6 workshops - .45 education points each

December 7 - .45 education points

December 8 - .30 education points

Int'l. Society of Arboriculture

3.0 CEUs available for Certified Arborists

Registration

To register online, go to <http://store.kansasturfgrassfoundation.org/> or fill out the registration form included in this program and send in by November 23. If you have a disability or require special assistance, please contact (785) 532-6173 or forward an email to cdipman@ksu.edu

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 "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 KS Turfgrass Assn or group code TU11).

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 Dec. 1, 2011. The amount refunded will be less a \$25.00 processing fee. No refunds will be made after this date. Mail your request to: KTF Conference, 2021 Throckmorton Hall, KSU, Manhattan, KS 66506.

Featured Speakers



Dr. 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. all sectors of turfgrass management.



Dr. 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 not limited to, three important

diseases of turfgrasses in Wisconsin - dollar spot, anthracnose, and snow mold.



Dr. 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.

Questions?

Call (785) 532-6173 or
E-mail cdipman@ksu.edu

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.

Pre-registration Form

FULL Registration (2 ½ days) \$235.00 x _____
 (\$260.00 at conference) Includes workshop, conference, lunch on Wed.,
 2012 dues, and trade show.

Additional persons from same firm (no dues included) \$110.00 x _____
 (\$135.00 at conference)

TUESDAY only-Dec. 6 (Includes trade show; no dues) (\$135 at conf.) \$ 125.00 x _____

Number of people attending Mechanics Workshop _____

WEDNESDAY only-Dec. 7 (Includes *lunch*, trade show; no dues) \$125.00 x _____
 (\$135.00 at conference)

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 _____