



**UNIVERSITY OF
GEORGIA**

COLLEGE OF AGRICULTURAL AND
ENVIRONMENTAL SCIENCES
COOPERATIVE EXTENSION SERVICE
TIFTON CAMPUS CONFERENCE CENTER
2360 RAINWATER RD.
TIFTON, GA 31793-5766

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TIFTON, GA 31793
Permit No. 154

73rd Annual Southeastern
TURFGRASS CONFERENCE
APRIL 25, 2019



**UGA TIFTON CAMPUS CONFERENCE CENTER
15 RDC ROAD
TIFTON, GEORGIA**

Organized By:
**University of Georgia Tifton Campus
and
Abraham Baldwin Agricultural College
in cooperation with
USDA, Agricultural Research Service
United States Golf Association Green Section
Georgia Golf Course Superintendents Association
Georgia Urban Ag Council
University of Georgia Cooperative Extension Service**

73rd ANNUAL SOUTHEASTERN TURFGRASS CONFERENCE

THURSDAY, APRIL 25

Morning Session - Small Auditorium

- 7:00 am **Registration & Breakfast**
Sponsored by UGA Research Foundation
- 8:00 am **Welcome - Dr. Joe West, Assistant Dean of the UGA Tifton Campus; Brian Schwartz, UGA**
- 8:20 am **Eric Reasor, Southeast Research Scientist, PBI-Gordon Corporation - Inspired Innovations for Turf-grass Pest Control** - PBI-Gordon is committed to delivering innovative solutions for golf course superintendents, lawn care operators, and sports field managers.
- 8:40 am **Todd Lowe, Green Solutions Team, Bayer Crop Science - Managing Sucking Insects and Weeds That.....Suck in Lawns and Landscapes** - Pests like insects and weeds can make it difficult to produce aesthetic lawns and landscapes. Learn about several new innovations, and the research behind them, that can make your job easier.
- 9:00 am **Eric Miltner, Agronomist, Koch Turf & Ornamental - Not Your Father's Nitrogen: Tools for Making Fertilization More Efficient, Effective, and Profitable** - Fertilizer technology has changed over the years and if you are not taking full advantage of the improvements, maybe you should take a fresh look. Untangle how all the different nitrogen fertilizers work and figure out which one(s) might work best for your operation. A different way of doing things could impact turf health, help with labor challenges, and even help your bottom line.
- 9:20 am **Kathie Edson Kalmowitz, Technical Specialist, BASF Turf and Ornamentals - Accelerating Turfgrass Grow-in from Sprigs or Sod Starting at the Sod Farm** - For over ten years BASF has worked to develop research with its Intrinsic fungicides by documenting plant growth beginning at the sod farm, followed through installation in varied environmental conditions resulting in better quality turfgrass.
- 9:40 am **Derek Settle, Territory Manager & Tech Rep, JR Simplot Company - Sales with Science in Georgia** - The Simplot Company's vertical integration - seed production, farming, fertilizer manufacturing, frozen-food processing, and food brands and distribution - has nurtured a diverse array of internal talents and resources. Going beyond the usual, Settle provides direct sales to his territory in Georgia by concentrating on technical support using degrees in plant pathology and nematology. His diagnostic lab in Acworth, GA provides answers to nematodes and fungal diseases for both warm- and cool-season turf in the Southeast and beyond.
- 10:00 am **Break - (Sponsored by UGARF)**
- 10:20 am **Barry Bennett, Southeastern Manufacturing Rep, Redox Turf - Increasing Soluble Carbon Inputs to Lower Nitrogen Inputs** - With the increasing popularity of carbon based products, we will look into properly timing carbon inputs based on weather, turf quality, and soil conditions for maximum efficiency.
- 10:40 am **Lane Tredway, Senior Technical Rep, Syngenta Professional Solutions - Advances in Disease and Weed Control in Warm-Season Grasses** - Recent advances in crop protection development have yielded exciting new options for pest management in turfgrasses. Novel chemistries such as Posterity fungicide and Manuscript herbicide enable powerful control of key disease and weed problems in warm-season grasses. We will discuss key features of these new products and review better use practices as part of a comprehensive agronomic program.
- 11:00 am **Amy Agi, Field Scientist Turf & Ornamentals, Corteva Agriscience - Challenges and Opportunities for Developing and Supporting Products for Turfgrass Use** The turfgrass industry has seen major advancements over the last 50 years, but some aspects of this industry have changed very little. New product development in recent years has slowed in part due to the expense that companies have to bear in discovery, development and registration of new products with novel modes of action. Turf & Ornamental manufacturers, therefore, desire to preserve the use of current products in their portfolios while developing new ones.
- 11:20 AM **Jason Frank, Regional Director, Harrell's - Developing a Balanced Approach to Agronomic Planning** - Turf management encompasses several different challenges that must be overcome to create consistently great turf conditions. These challenges can be anticipated and managed more effectively by implementing a long term annual agronomic program that mitigates stress and promotes plant health throughout the year. Basic considerations for annual agronomic programming are the following: water/irrigation, soil health, granular fertilization,

Please join us Wednesday, April 24th for a tour at Pike Creek Turf Farms beginning at 3 pm, followed by a dinner at 6 pm.
Please RSVP on the registration form and email
Brian Schwartz at tifturf@uga.edu

Directions to Pike Creek Turf Farms -
I-75 Southbound Exit 39: Take Hwy. 37 West (RIGHT)
I-75 Northbound Exit 39: Take Hwy. 37 West (LEFT)
Follow Hwy. 37 West for 6.2 miles, passing Reed Bingham State Park.
Turn LEFT onto Nell Purvis Road. Turn RIGHT at Pike Creek Turf Sign, after passing sod field on your right.



11:40 am **Kevin Kenworthy, University of Florida, Agronomy Department - Turfgrass Breeding Efforts at the University of Florida** - The breeding program at the University of Florida has recently released four zoysiagrasses and one St. Augustinegrass. The St. Augustinegrass was commercialized in 2018 as Citra-Blue and is expected to be available for sale in late 2019. Commercialization of one or more of the zoysiagrasses will occur through 2019. All grasses have been tested for their responses to drought in multiple environments, large patch and sod tensile strength. The zoysiagrasses exhibit improved winter color compared to existing cultivars of zoysiagrass. All grasses are being expanded with growers in Florida. Producers in other states are needed.

12:00 pm **Pork Chop Lunch - (Sponsored by the Turfgrass Group, The Georgia Crop Improvement Association, and Georgia Seed Development)**

UGARF Distinguished Service for Turfgrass Development Award

1:00 pm **Travel to turfgrass research plots**

Afternoon Session - Turfgrass Plots

1:20 pm **Brian Schwartz, Turfgrass Breeding, University of Georgia - Lions and Tigers and Bears, Oh My...I mean Bermuda and Zoysia and Centipede, Oh My!** - This talk will focus on the University of Georgia's Tifton Campus turfgrass breeding program's short- and long-term efforts to develop the right hybrids for homeowners, golf course superintendents, and sports field managers.

1:40 pm **David Jespersen, Turfgrass Physiology, University of Georgia - Understanding Plant Physiology to Improve Turfgrass Performance** - How turfgrass plants respond to challenging environments is a complex process, involving many different traits. Understanding the specific mechanisms that plants are using to maintain plant health under abiotic stresses, such as drought stress or cold damage, are some of the major focuses of the turfgrass physiology program at the University of Georgia. Collaborating with turfgrass breeders not only allows for the identification of plants with unique traits which allow them have enhanced stress tolerance, but also help improve the development of future cultivars.

2:00 pm **Susana Milla-Lewis, Turfgrass Breeding and Genetics, North Carolina State University - Making the Grass Greener in North Carolina** - The turfgrass breeding program at NC State University focuses on development of warm-season grass cultivars that require reduced inputs and are capable of tolerating biotic and environmental stresses. This presentation will provide a summary of our progress in centipedegrass and zoysiagrass.

2:20 pm **Jing Zhang, Turfgrass Research Scientist, University of Georgia - How can Drone-Assisted Breeding Help Reduce Irrigation in Turfgrass** - We will talk about the application of drones, cameras, and data analytics in the Tifton turfgrass breeding program and how it would help other turf breeders in future collaborative efforts to breed drought resistant varieties for the Southeastern U.S.

2:40 pm **Paul Raymer, Turfgrass Breeding, University of Georgia - An update on Turfgrass Breeding at the Griffin Campus** - The turfgrass breeding program at the Griffin Campus has developed a novel non-GMO herbicide resistance system for seashore paspalum that greatly improves the ability to manage bermudagrass and other grassy weeds in seashore paspalum. We are working to evaluate our top advanced lines in order to select one or more lines for release. Other ongoing breeding projects will also be discussed.

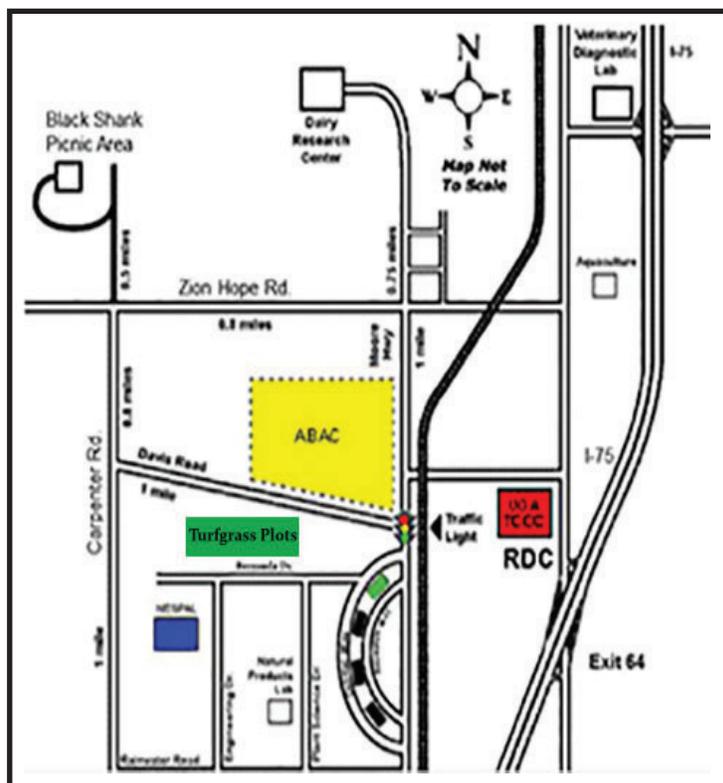
3:00 pm **David Doguet, Sod Producer and Turfgrass Breeder, Bladerunner Farms - Zoysiagrass Breeding for Golf Course Putting Greens** - Collaborative research to develop alternative putting greens grasses is underway. In the South, zoysiagrasses should have better shade tolerance, salt tolerance and cold tolerance over bermudagrass, with no grain. In the transition zone, zoysiagrass should give a quality putting surface with a lot less input than bentgrass in the summer months, when most of the golf is played.

Certificates Will Be Distributed at the End of the Conference

2018 Pesticide Credits

CAT 24 Ornamental & Turf Georgia Pesticide Credits - 5
 Alabama - 10
 Florida - 4
 North Carolina - 4
 South Carolina - 6
 Tennessee - 3
 GCSAA - 0.6 points

2018 CEUs Listed Above Should Be Similar in 2019



TO REGISTER:

Complete registration form below, return it with payment to Conference Office, UGA Tifton Campus Conference Center, 2360 Rainwater Rd., Tifton, GA 31793-5766. Make checks payable to UGA TCCC/Turfgrass. You may also register on-line at www.ugatiftonconference.caes.uga.edu. Payment must accompany registration. Registration or credit card payment **cannot** be accepted by phone.

REFUNDS & CANCELLATIONS:

Refunds will be given for cancellations made one week prior to the conference. A \$10 cancellation fee will be charged. You may also make substitutions at any time at no additional charge. For substitutions or cancellations call 229-386-3416.

PESTICIDE CREDITS/CEUs:

Pesticide recertification credit in category 24 (Ornamental and Turf) has been requested from Georgia. Continuing Education Units have been requested from Alabama, Florida, North Carolina, South Carolina, Tennessee and the Golf Course Superintendents Association of America. Certified Crop Advisors credit will also be offered. Forms that must be filled out for pesticide credit will be distributed at the end of the day.

WE WANT TO HELP:

Special arrangements for people with disabilities will be made if requested in advance. For these arrangements or more information, call the Conference Office at 229-386-3416.

LODGING:

It is requested that you directly contact the hotels for room reservations in Tifton. A block of rooms has been reserved at the following motels. (To receive these special rates, refer to the "Turfgrass Conference" when calling for reservations.) It is suggested that these reservations be made as far in advance as possible.

Country Inn & Suites - (229) 382-8100 - \$95 plus tax (includes breakfast) **Hampton Inn & Suites - (229) 382-8800** - \$129 plus tax (includes breakfast)

Hilton Garden Inn - (229) 382-8484 - \$109 plus tax (breakfast \$9.95) **Holiday Inn Express - (229) 382-3300** - \$109 plus tax (includes breakfast)

73rd ANNUAL SOUTHEASTERN TURFGRASS CONFERENCE REGISTRATION
APRIL 25, 2019

FIRST NAME _____ LAST NAME _____

ORGANIZATION _____ COUNTY _____

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____

DAYTIME TELEPHONE _____ FAX _____ Email _____

WHERE DID YOU HEAR ABOUT THIS PROGRAM? _____

PLEASE CHECK ONE: GOLF COURSE _____ LANDSCAPE & COMMERCIAL _____ SOD FARM _____

SPORTS TURF _____ STUDENT _____ UNIVERSITY RESEARCHER _____ COUNTY EXTENSION AGENT _____

_____ **\$75.00** registration fee postmarked by April 7, 2019

_____ **FREE** Student Pre-Registration (with Student University ID)
Online Registration through April 23, 2019

_____ **\$100.00** registration fee AFTER April 8, 2019

_____ **\$10.00 AT THE DOOR** (with Student University ID)

County Extension Agents - Please Call (229) 386-3416

Payment by check (payable to UGA TCCC/Turfgrass) _____ Signed Purchase Order (No "P.O. Requisitions" or "Vouchers" Accepted) _____

Credit Card Number _____ Expiration Date _____ Security Code _____

Credit Card Billing Address _____

Signature _____

Make checks payable to UGA TCCC/Turfgrass and mail to: TURFGRASS Conference, UGA Tifton Campus Conference Center,
2360 Rainwater Rd., Tifton, GA 31793-5766. **IF REGISTERING FOR MORE THAN ONE PERSON BE SURE TO INCLUDE ALL THE ABOVE
INFORMATION FOR EACH PERSON. This form may be copied. PAYMENT MUST ACCOMPANY REGISTRATION.**