Conferences & Show 2017 Preview

IFAS/FTGA CEU Round-Up 2017 Headed Your Way

ALSO IN THIS ISSUE: Status Report On UF’s Turfgrass Breeding Program
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Cover Story
Conference & Show
2017 Preview

Upcoming Events
IFAS/FTGA
CEU Round-Up 2017
Headed Your Way

Focus on Breeding
Status Report
On UF’s Turfgrass Breeding Program*

*The evolution of zoysiagrass in Florida, especially for winter color/spring greenup (picture taken in March): Meyer is the top left (old cultivar not used in Florida), Empire is the top right (dominant zoysiagrass used in Florida), and the bottom two are UF experimentals. Photo courtesy of Dr. Kevin Kenworthy.

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The Florida Turf Digest is a publication of the Florida Turfgrass Research Foundation, which provides scholarships to students in turfgrass and related studies in addition to funding turfgrass research and education for the Florida Turfgrass Association (FTGA). The FTGA serves its members in the industry through education, promotion and representation. The statements and opinions expressed herein are those of the individual authors and do not necessarily represent the views of the association, its staff, its board of directors, Florida Turf Digest or its editors. Likewise, the appearance of advertisers or FTGA members does not constitute an endorsement of the products or services featured in this, past or subsequent issues of this publication.

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President’s Message
By Bill Kistler, FTGA President

FTGA Stands for Excellence in Education

In Heather Russo’s column this month, you will read all about education and advocacy. While the two topics may seem to be unrelated, in fact advocacy relies on knowledge. Until you have become educated on the challenges facing our industry, you cannot personally advocate from a position of strength.

Outside forces continually challenge our industry, and thanks to the ever-vigilant Environmental Research & Education Foundation under Mac Carraway’s leadership, we won the last round in Orange County. While The Springs and Aquifer Protection Act went into effect July 1, certain counties have exemptions are granted for professional lawn care operators and BMP-certified homeowners. I’d like to personally thank everyone who had a hand in working to keep the exemptions in place.

Our goal at the FTGA is to ensure that the membership stays current on research as well as issues that affect our lives and job security. To that end, you are never more than a few months away from a full complement of quality continuing education.

Regional Turf Seminars
The calendar year begins with Regional Turf Seminars conducted in many locations across the state from January through March. This popular series gives organizations an opportunity to send many representatives to a full day of education.

CEU Round-Up
Every July, the University of Florida and the FTGA come together to produce a day-long series of presentations. Attendees can earn up to six hard-to-attain CEU credits across 16 different license categories. This year, the event takes place on July 26 in 23 locations across Florida. Early registration ends July 21.

65th Annual Conference & Show
This year’s event returns to Florida’s West Coast at the Innisbrook Golf and Spa Resort (www.innisbrookgolfresort.com) from September 25–27. The C&S has always been the granddaddy of FTGA events, but this year, Dr. Laurie Trenholm has outdone herself in terms of the educational program. We know that certain presentations have a very broad appeal and should not compete with one another. Therefore, the lineup has been revamped to include two general sessions of interest to all segments of the industry.

In addition, the Conference & Show Committee has shown great creativity in transforming the trade show into a premier industry networking opportunity between and among vendors, colleagues, experts and friends.

Finally, I’d like to let you know how the FTGA’s educational programs have benefited
me in my job as a golf course superintendent. They have allowed me to attain the CEU credits needed to meet the Golf Course Superintendents Association of America’s requirements to keep my “Class A” status. In addition, they have provided ample CEUs to maintain my Florida pesticide license. All of this is great, but for me, the best part has been the fact that the education offered was designed and provided by allied industry partners, university and extension staff, and others from right here in Florida. The programs have all been timely and pertinent, not theoretical fluff with no application to my job. Everything is designed to keep us all informed on the state of the green industry as it affects us in our everyday lives.

I look forward to seeing you in September at the FTGA C&S for another great learning and networking experience.
From the Executive Director

By Heather Russo, Executive Director

Education and Advocacy

Education. In 2011, we partnered with University of Florida/IFAS and formed the CEU Round-Up. There were 19 participating IFAS Extension Offices and a bit shy of 200 attendees. Last year, we more than doubled the number with 460 attendees at 25 IFAS Extension Offices. This year, the CEU Round-Up takes place July 26, and we are off to a great start. Be sure to sign up before early registration closes July 21. A huge thank you to Dr. Fred Fishel with University of Florida, who spearheads this event. (See page 14 for more details.)

If you can’t make the CEU Round-Up, the next set of educational presentations will be hosted during our 65th Annual Conference & Show in September. Dr. Laurie Trenholm with the University of Florida has a great educational line up planned. The conference is packed with 11 educational classes such as:

- **Monday, September 25:** Golf BMP and CORE CEU workshops
- **Tuesday, September 26:** Soil and Water Management, Pest and Golf Management, Urban Stormwater Quality and University of Florida Research Round-Up
- **Wednesday, September 27:** Sod Management, Landscape Management, Athletic Management and USGA Session

Remember to place a reminder in your calendars because, in 2018, we will host the 12 regional turf seminars throughout the state.

Advocacy. On July 1, 2017, The Springs and Aquifer Protection Act requirements will go into effect. All Florida counties need to be compliant with the act, which has caused many fertilizer ordinances to be discussed over the past few months. The Environmental Research & Education Foundation (EREF) worked diligently with industry leaders, to advocate in favor of exemptions for professional lawn care operators and BMP-certified homeowners. The EREF was able to educate the commissioners on the industry and the ways in which we are professional and environmentally responsible through all the science-based educational training the FTGA and the University of Florida provide. The industry won some battles and lost some. What is most important is for you to know that your industry is advocating on your behalf so you can keep doing your job—which is helping to make Florida beautiful.

I am excited to announce that, through countless meetings and emails, the Orange County Commissioners voted to keep the staff recommendations on the fertilizer ordinance. That means the professional lawn care operators and BMP-certified homeowners are exempt from the summertime fertilizer blackout.

Thank you to all who took the time to attend the meetings and voice your concerns.

Welcome New FTGA Members

Aaron Seaman, City of Melbourne
Fred Vitagliano, City of Palm Coast
J. J. Horn, City of Weston
Brian Smith, Good to Grow
Phillip Johnson, Prime Turf
Keely Haverland, Sports Turf One Inc.
Ryan McKuhen, Stahlman-England Irrigation
Terry Wiseman, Synagro Technologies Inc.
WILDLIFE FEATURE PHOTO

A great white egret mother and chicks enjoy some quiet time on the 18th green of the Saddlebrook Golf Course at the Saddlebrook Resort & Spa in Tampa.

Photo submitted by and courtesy of Mac Carraway, Executive Director, EREF
View more of his photography at www.maccarrawayphotography.com.

If you would like to submit a wildlife photograph for this feature, please email a high-resolution image in .jpg format as an attachment to FTGA Media Operations Manager Emily Cox at emily@ftga.org. We are specifically interested in highlighting wildlife in turfgrass habitats.
Conference Agenda at a Glance

MONDAY, SEPTEMBER 25
- 8:00 a.m.–5:00 p.m.  Registration
- 8:00 a.m.–5:00 p.m.  Golf BMP Workshop
- 9:00 a.m.–11:00 a.m.  FTGA Board Meeting
- Noon–5:00 p.m.  Golf Tournament @ Copperhead Course
- Noon–5:00 p.m.  Sports Turf & Landscape Tour
- 12:30 p.m.–5:00 p.m.  CORE CEUs Workshop
- 5:30 p.m.–6:00 p.m.  Young Professionals Social
- 6:00 p.m.–7:30 p.m.  Opening Reception & Golf Tournament Prizes

TUESDAY, SEPTEMBER 26
- 7:00 a.m.–5:00 p.m.  Registration
- 7:30 a.m.–9:00 a.m.  Annual Meeting Breakfast
- 9:00 a.m.–Noon  Educational Sessions
- Noon–1:00 p.m.  All Attendee Awards Lunch
- 1:00 p.m.–3:00 p.m.  All Attendee General Education Session
- 3:00 p.m.–5:00 p.m.  Industry Networking & Happy Hour
- 6:00 p.m.–9:00 p.m.  Corn Boil & Raffle

WEDNESDAY, SEPTEMBER 27
- 7:30 a.m.–9:00 a.m.  Registration
- 7:30 a.m.–9:00 a.m.  Prayer Breakfast
- 8:00 a.m.–9:00 a.m.  Past Presidents’ Breakfast
- 9:00 a.m.–Noon  Educational Sessions
Dear Turfgrass Professional,

I am proud to invite the turfgrass industry to join the board of directors at the 65th Annual FTGA Conference & Show, back again this year at the beautiful Innisbrook Golf & Spa Resort, just north of Tampa. We are excited to once again enjoy this wonderful setting that plays home to the annual PGA Tour Valspar Championship.

New this year is a different format that breaks away from the traditional trade show. Making its debut is the “Industry Networking” format that will allow the industry partners and attendees to interact in this new and highly energized room layout. This setup is designed to allow our partners to have a more natural flow while making great connections.

The ever-popular golf tournament will be played on Monday, September 25, on the Copperhead Course. A favorite among PGA Tour players, this tree-lined course features rolling terrain that can challenge even the longest of hitters. And be sure not to miss the many on-site amenities, including Packard’s Steakhouse, Salamander Grille and the Loch Ness pool during your stay.

Our educational program is turning into a “can’t miss” opportunity. Education Committee Chair Dr. Laurie Trenholm of the University of Florida has put together several days of excellent education in all the turfgrass segments: sports turf, golf, lawn, landscape and sod production. In addition, the USGA Golf Program, Golf BMP Certification review and testing and the CORE CEU program is back again and will surely be popular. We are also excited to have Dr. Jim Brosnan from the University of Tennessee as a keynote speaker and guest presenter at this year’s conference. Dr. Brosnan is quickly becoming the go-to guy for weed control programs and will offer some new insight into tackling even the most challenging problems.

The annual Corn Boil will also be a highlight of the event and provides camaraderie and additional networking opportunities. During the Corn Boil, the popular raffle will take place to benefit the Florida Turfgrass Research Foundation.

Please mark your calendars and join me for this excellent opportunity to relax, connect and learn with the industry’s best. I look forward to seeing you all in September.

Sincerely,

Andrew J. Jorgensen, CGCS
FTGA Vice President
Conference & Show Chairman
MONDAY, SEPTEMBER 25
Golf BMP Workshop
This daylong workshop kicks off the C&S at 8:00 a.m. Sessions include “Environmental Concepts,” “Environmental Monitoring” and “Design and Construction” by Ralph Dain of the Golf Course Superintendents Association of America (GCSAA). Sessions from the University of Florida include “Lake and Aquatic Plant Management” by Mark Hoyer; “Irrigation” by Don Rainey; and “Nutrition and Fertilization,” “Turfgrass Pest Management” and “Pesticide Management” by Dr. J. Bryan Unruh. The day concludes with Todd Lowe from the USGA with sessions on “Cultural Practices” and “Maintenance Operations.”

CORE CEU Workshop
This workshop is ideal for those who need CORE CEUs or for those who want additional training in turf weed identification and control, applying pesticides, reducing pesticide exposure and controlling applicator costs. The workshop will begin at 12:30 p.m. and end by 5:00 p.m. Sessions include “Dial in Your Calibration for Optimum Results” by Dr. Eric A. Brown and Mr. Joe Welch, Massey Pest Control; “Water: The Smallest Factor That Makes the Greatest Difference” by Dr. Fred Fishel, University of Florida; “FDACS Vehicle Inspection” by Mr. Paul Mitola, FDACS; “Which Way Did it Go…The Fate of Pesticides and Fertilizers in the Environment” by Mr. Don Rainey, University of Florida; and “Glyphosate: What are the Health Risks?” by Dr. Jason Ferrell, University of Florida.

Sports Turf & Landscape Tour
John Mascaro will lead this year’s Sports Turf & Landscape Tour to two outstanding facilities in the Tampa Bay area. We will visit George M. Steinbrenner Field, spring home of the New York Yankees and summer home to the Yankees Class A Affiliate, Tampa Yankees. The stadium also serves as a venue for special events such as concerts, baseball tournaments, corporate events, etc.

Next stop on the tour is a visit to the Busch Gardens Tampa Bay Theme Park, which features exquisitely manicured green spaces, bird gardens and wildlife in their natural habitat in addition to the theme park.

Be sure to register early as the tour is limited to 50 participants and sells out quickly!

FTGA Annual Golf Tournament
The Annual Golf Tournament has always been one of our most popular networking events at the Conference & Show. This year’s tournament returns to the Copperhead Course at Innisbrook on Monday, September 25. Players have the option to play in the 18-Hole Scramble or the 18-Hole Individual Stroke Tournament. Lunch is provided for all golfers.

“18-Hole Scramble”—the scramble is perfect for the casual golfer who is looking for a relaxing afternoon on the greens.

“18-Hole Individual Stroke”—the tournament serves as a qualifier for an entry spot on the FGCSA team at the GCSAA National tournament.

The golf tournament begins at noon and runs until 5:00 p.m., leaving plenty of time to return to the hotel for the Young Professionals Social and/or the Opening Reception.

Cash awards for tournament winners
Golfers have a chance to compete for one of several cash awards:

- All closest-to-the-pin shots on the...
Par 3s will win $75.
- The individual stroke winner will be awarded $150.
- The individual stroke runner-up will walk away with $75.
- Scramble Gross and Net team winners will each win $300 per team.

Prizes will be awarded at 6:30 p.m. during the Opening Reception in the Inverness Foyer.

**Young Professionals Social**
Monday evening’s festivities begin with the ever-popular Young Professionals Social, sponsored by Nufarm, in the Inverness Foyer from 5:30 p.m.–6:00 p.m.

The Young Professionals Network is dedicated to providing career-minded members with an additional opportunity to develop socially, professionally and civically with their peers.

All conference attendees under the age of 40 are welcome to attend and network over cocktails and appetizers with other young professionals.

**Opening Reception**
All conference attendees are invited to attend the Opening Reception in the Inverness Foyer at 6:00 p.m. for light hors d’oeuvres, drinks and networking.

During the reception, we’ll toast the golf tournament winner and distribute prizes. Other golfers will have a chance to commiserate about the “putt that got away” and plot their course to the top next year.

**Vendor Hospitality Suites**
Monday evening wraps up with vendor hospitality suites after the Opening Reception. Free hospitality suites are available for all C&S sponsors and exhibitors.

Vendors, treat your key clients to their own private hospitality party in your suite. Don’t worry about cleaning up either as Innisbrook has that covered for an additional $75. For more information, contact Cindi Thomas at (727) 942-5527.

**Tuesday, September 26**
Day two of the Conference & Show promises non-stop action from sunup to sundown and beyond. You are sure to enjoy the overhauled lineup as it was devised to concentrate learning while providing a more relaxing atmosphere for networking and exchanging ideas with colleagues, exhibitors and industry experts.

**Annual Meeting Breakfast**
Once a year, FTGA members gather at the C&S Annual Meeting to discuss the business of association over a meal. The board will provide information on finances, review the 2016 annual minutes and elect new officers. This is your chance to learn how the association has worked on your behalf during the past year and meet the executive committee and board of directors who will guide the FTGA through the coming year. We welcome another keynote speaker from the University of Tennessee, **Dr. Jim Brosnan**, associate professor in the Plant Sciences Department (see sidebar on page 12).

**Tuesday Morning Turfgrass Management Education**
Tuesday morning’s educational program begins at 9:00 a.m. and runs until noon. Three **Soil & Water Management** talks will be presented on various topics by Drs. Travis Shaddox and Kati Migliaccio of the University of Florida and Dr. Lee Berndt of Environmental Turf.

The **Pest Management** sessions will feature presentations by our visiting expert, Dr. Jim Brosnan, from the University of Tennessee, as well as Dr. Billy Crow and Mr. Lucas Maia of the University of Florida.

**Golf** presentations will be conducted by Drs. J. Bryan Unruh and Adam Dale of the University of Florida and Dr. Jim Brosnan of the University of Tennessee.

**All Attendee Awards Luncheon**
At the award luncheon, we will recognize our 2017 Wreath of Grass recipient. The Wreath of Grass is the FTGA's...
highest honor and pays tribute to individuals who have given outstanding service to the FTGA and to the turfgrass industry. Turfgrass scholarship recipients will also be announced at the luncheon.

All Attendee General Education Session
Many past attendees have mentioned that it is difficult to choose among all the session offerings. This year’s Conference & Show includes a two-part All Attendee General Education Session that covers topics of interest to everyone attending the C&S. The session kicks off with “Urban Stormwater Quality: The Need to Address More Than Fertilizer to Protect Downstream Water Resources” by Dr. Mark Clark, University of Florida and concludes with a comprehensive “Research Round Up” by Drs. J. Bryan Unruh and Adam Dale, University of Florida.

Industry Networking & Happy Hour
Shake it up baby. Thanks to our creative Conference & Show Committee, it is out with the old “trade show” and in with the new “Industry Networking & Happy Hour.” There is no better time than late afternoon to mingle with exhibitors, friends, colleagues and industry experts over a glass of wine or the beverage of your choice and snacks. Attendees will enjoy the new floor layout, which lends itself to networking, chatting with friends you haven’t seen in a while.

Dr. Jim Brosnan, Keynote Speaker and Guest Presenter
Dr. Brosnan is an associate professor at The University of Tennessee (UT) and director of the UT Weed Diagnostics Center. He received an M.S. from the University of Massachusetts Amherst, along with both a B.S. and Ph.D. from The Pennsylvania State University. Dr. Brosnan’s research focuses on strategies for controlling unique and problematic weeds of turfgrass systems, particularly phenotypes with resistance to herbicides. He has published over 88 peer-reviewed research articles and has been recognized by the Crop Science Society of America, as well as both the Northeastern and Southern Weed Science Societies for his work. Dr. Brosnan’s extension programs aim to provide education and diagnostic support to Tennessee’s $5.8 billion turfgrass industry.

Dr. Brosnan serves as an advisor to the Tennessee Turfgrass Association Board of Directors, and he is also actively involved in the Weed Science Society of America, Southern Weed Science Society, Golf Course Superintendents Association of America, and Sports Turf Managers Association.

Research & Scholarship Fundraiser
The FTRF offers scholarships every year to college students enrolled in turfgrass management programs. During the 2016 Turf Seminars, we raised more than $2,000 for the Ralph White Scholarship this year.

During this year’s Corn Boil, the fundraiser is, once again, simplified. We’re holding just two fundraising events: a “BIG-ticket” item raffle and the “50/50 Showdown.” All proceeds from the raffle events will go toward the FTRF, which funds industry research projects and student scholarships. The FTRF is a 501(c)(3), non-profit organization, so all donations and contributions are tax deductible to the full extent allowed by law.

The 50/50 Showdown: This raffle works just like it sounds—split the pot with a twist. Tickets will be sold throughout the C&S and during the Corn Boil for $10 apiece or five for $40. The pot grows with each ticket sold and is determined by the total number of tickets sold. One year, the pot grew to nearly $3,000—and who knows—this year, it could exceed that amount. The winner doesn’t have to be present to win, but must designate an FTGA staffer to represent him or her (for 10 percent of his or her winnings, which will go to the FTRF).

The 50/50 Showdown will be a two-stage showdown. Fifteen tickets will be drawn as “finalists.” Then, one by one, tickets are drawn from each of the finalists’ tickets. The holder of that ticket is eliminated. This process continues until there is one finalist left OR until the remaining finalists unanimously agree to share equally in the pot. FTGA staff members, if involved, can only vote for sharing the pot.

Bring your wallet because we’re raising money for the Florida Turfgrass Research Foundation (FTRF). The scholarships we provide through the FTRF help to bring fresh, young talent flowing into the turfgrass industry. (See the “Research & Scholarship Fundraiser” sidebar.)

WEDNESDAY, SEPTEMBER 27
The 65th Annual C&S draws to a close at noon on Wednesday. Start the day with the traditional Prayer Breakfast and an inspiring talk by Nathan Whitaker followed by a morning of educational sessions.
Divanem™ nematicide delivers excellent turf quality through proven, broad-spectrum control including sting, lance, and root-knot nematodes. The innovative formulation moves quickly into the soil where nematodes are most active and provides drought tolerance and quicker recovery from stress. Get stronger, healthier turf from the ground up.

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Kevin.Wasilewski@syngenta.com

Past Presidents’ Breakfast
FTGA’s past presidents will gather for the Past Presidents’ Breakfast at 8:00 a.m. This invitation-only event honors our past presidents for their past and continuing dedication to the association. They’re as committed as ever, and we pause to honor them with a special breakfast in their name.

Wednesday Morning Turfgrass Management Education
Wednesday morning’s program begins at 9:00 a.m. and runs until noon. Sod presentations will be conducted by Drs. J. Bryan Unruh, Kevin Kenworthy and Phil Harmon from the University of Florida.

Three Landscape talks will address various topics by Drs. Adam Dale, Chris Marble and Phil Harmon from the University of Florida.

The Athletic sessions will feature presentations by Dr. Jason Kruse and Mr. Teddy Tang from the University of Florida as well as a panel discussion with Mr. Brandon Porch, University of Miami and Mr. Matt Bruderek, Orlando City Soccer Club.

USGA Golf sessions will be conducted by Dr. Jim Brosnan from the University of Tennessee and Mr. Todd Lowe and Mr. Steve Kammerer from the USGA.

Stay Tuned…
The next issue of Florida Turf Digest will include full information on this year’s educational program. For late-breaking developments, visit the FTGA site at www.ftga.org. Look for C&S information under the Events menu at the top of the page. ☞
IFAS/FTGA CEU Round-Up Update

The CEU Round-Up, hosted by the University of Florida/IFAS and the FTGA, offers attendees the opportunity to earn up to six hard-to-attain CEU credits across 16 different license categories. The Round-Up will be held Wednesday, July 26, from 8:30 a.m.—4:00 p.m. EDT at 24 locations across the state.

Registration begins at 8:30 a.m., and presentations begin at 9:00 a.m. Lunch is included, and the day wraps up at 4:00 p.m.

Registration
Sign up before July 21 to qualify for the early registration discount. To register online or download registration forms, visit www.ftga.org/page/CEURoundup.

- UF/IFAS Employees: $15.00
- Pre-registration | $22.50 on-site
- Municipal Employees: $30.00
- Pre-registration | $45.00 on-site
- Industry Professionals: $50.00
- Pre-registration | $75.00 on-site

CEU Round-Up Sessions

9:00–9:50 a.m. Why Pesticides Fail
Dr. Fred Fishel
There are numerous reasons why pesticides do not effectively control the target pest. This presentation will discuss some of the more common mistakes made when a pesticide is the chosen management option. Such reasons include improper pest identification, failure to apply proper pesticide rates, improper pesticide selection, not measuring the recommended rate of product, equipment calibration problems, pesticide degradation and resistance to pesticides.

10:00–10:50 a.m. Environmental Fate of Herbicides
Dr. Jay Ferrell
Where do herbicides go after they are applied? This presentation will address factors affecting herbicide dissipation, including weather, time, chemical properties of the herbicide molecule, soil characteristics, microbial organisms and hydrolysis. Persistence of herbicides will be discussed from positive and negative vantages.

11:00–11:50 a.m. Biological Control Update
Dr. Jim Cuda
This 50-minute unit should qualify for CEU’s across categories because the principles of biological control are the same regardless of category. It will cover the different types of biocontrol, overseas surveys, role of quarantine facilities, regulations, benefits of biocontrol and defining success. Also presented will be basic concepts of IPM.

1:00–1:50 p.m. Upland Invasive Plant Control Techniques
Dr. Stephen Enloe
Upland invasive plants often grow in close proximity to water and can be very difficult to control. This talk will focus on the biological aspects of upland invasive plants growing along water and the herbicide treatment realities that managers face in these situations. We will also cover herbicide label interpretation for key situations and application strategies to improve upland invasive plant control where standing water is an issue.

2:00–2:50 p.m. The Dirty Dozen and Other Up and Coming Aquatic Weeds
Dr. Lyn Gettys
Dr. Gettys will discuss the common pathways for weed introduction in Florida and present historical accounts of the state’s invasion by several of the most notorious weeds to ever enter Florida. Other weeds, including the “dirty dozen list” of Florida, will be presented with information regarding identifying features and practical management options. She will describe how to identify these plants by key characteristics, discuss where you are likely to find them and discuss current best management practices.

CEU Round-Up Locations

Bay County
2728 E 14th St.
Panama City
Calhoun County
20816 Central Ave. E Ste. 1
Blountstown
Charlotte County
25550 Harbor View Rd. #3
Pt Charlotte
Collier County
14700 Immokalee Rd.
Naples
Escambia County
3740 Stefani Rd.
Cantonment
Ft. Lauderdale REC
3205 College Ave.
Davie
Hastings Ag & Education Center
595 E St. Johns Ave.
Hastings
Hernando County
16110 Aviation Loop Dr.
Brooksville
Highlands County
4509 W George Blvd.
Sebring
Hillsborough County
5339 County Rd. 579
Seffner
Holmes County
1169 E Hwy. 90
Bonifay
Indian River REC & St. Lucie County
2199 S Rock Rd.
Ft. Pierce
Jackson County
2741 Pennsylvania Ave. #3
Marianna
Lake County
1951 Woodlea Rd.
Tavares
Leon County
615 Paul Russell Rd.
Tallahassee
Manatee County
1303 17th St. W
Palmetto
Marion County
2232 NE Jacksonville Rd.
Ocala
Miami-Dade County
18710 SW 288th St.
Homestead
Orange County
6021 S Conway Rd.
Orlando
Palm Beach County
Exhibit Hall A
559 N Military Trail
West Palm Beach
Pinellas County
12520 Ulmerton Rd.
Largo
Santa Rosa County
5259 Booker Ln.
Jay
Sumter County
(W Central FL Fairgrounds)
7620 State Rd. 471
Bushnell
Walton County
732 9th St.
DeFuniak Springs
including any biocontrol agents, effects of mechanical control, etc.

3:00–3:50 p.m.
Managing Herbicide Drift
Dr. Peter Dittmar
Pesticide drift is a major concern of all applicators, especially those applying herbicides. Dr. Dittmar will focus on management techniques to minimize the problem, including equipment setup, environmental conditions and proximity of sensitive plants.

Dr. Fred Fishel is a professor of Agronomy and director of the Pesticide Information Office, University of Florida/IFAS. Dr. Fishel has served as director of the UF/IFAS Pesticide Information Office since 2005. His current appointment is 90 percent extension and 10 percent teaching. The extension component has the primary responsibility of developing study materials and certification exams for applicators of restricted use pesticides to meet state licensing requirements. Other responsibilities reside in developing general pesticide education materials and support of county extension agent programming on the local level. The teaching component involves developing, maintaining, and teaching a graduate level course, IPM 5305, “Principles of Pesticides” each spring semester. Prior to his current position, Dr. Fishel had been in a similar position at the University of Missouri-Columbia since 1993.

Dr. Jay Ferrell is professor of Weed Science at the University of Florida/IFAS, Department of Agronomy, with a 65 percent extension and 35 percent research appointment. His research program focuses on weed management strategies in agronomic crops, pastures, and non-crop areas. He earned his Ph.D. at the University of Georgia in weed science and his M.S. and B.S. degrees were both awarded at the University of Kentucky. He currently serves as editor of Journal of Aquatic Plant Management.

Dr. Jim Cuda is professor of entomology and nematology at the University of Florida/IFAS in Gainesville and a consultant to UF’s Center for Aquatic and Invasive Plants. His research deals with key elements of classical biological control of aquatic and terrestrial weeds, including foreign exploration, host specificity testing and release/evaluation of promising natural enemies of exotic weeds that have invaded Florida and threaten the southeastern United States. Dr. Cuda earned his B.S. and M.S. in zoology from Southern Illinois University and his Ph.D. in entomology from Texas A&M University. Dr. Cuda has over 35 years of research experience, and he has been with UF/IFAS since 1994.

Dr. Stephen Enloe is an associate professor of agronomy at the University of Florida in Gainesville, specializing in weed science in natural and aquatic areas. His extension program focuses on training land managers in invasive plant identification, management and restoration. His research program focuses on invasive plant ecology and management. His current projects include understanding management impacts on cogongrass rhizomes, the influence of invasive shrub crown size in relation to management, and herbicide efficacy studies on numerous invasive plants.

Dr. Lyn Gettys is an assistant professor at the University of Florida/IFAS Ft. Lauderdale Research and Education Center in Davie. She has a Ph.D. from the University of Florida with extensive experience in plant propagation, herbicide resistance, weed science and wetland/aquatic plant biology and identification. She began her current position in January 2012; before that, she worked as a research assistant scientist with Dr. Bill Haller at the UF/IFAS Center for Aquatic and Invasive Plants in Gainesville.

Dr. Peter Dittmar is assistant professor of horticulture at University of Florida/IFAS in Gainesville. His program focus is weed management in vegetable, deciduous fruit and nut crops. His extension program includes updating weed management recommendations in UF/IFAS guides, working with county extension faculty, and speaking at field days and commodity meetings. His research program addresses weed biology, integrated weed management and herbicide efficacy and phytotoxicity. His program also includes the North Florida IR-4 Field Research Unit–Gainesville to complete GLP residue and efficacy trials for pesticide registrations in minor use crops.
Status Report on UF’s Turfgrass Breeding Program

By Kevin Kenworthy, Ph.D.
Professor, University of Florida

The University of Florida’s turfgrass breeding program has several advanced lines that have shown consistent high performance in several trials. Currently the program is focused on gaining information with sod growers on three zoysiagrasses and one St. Augustinegrass. A fourth zoysiagrass may also be expanded with producers. If production information is favorable for these grasses, they will be released in the next year or two. It is anticipated that grasses would become commercially available within two years after release; therefore, new grasses could be on the market in three to four years.

Among the three zoysiagrasses that have been expanded with producers, one is medium-coarse textured (FAES1312), one is medium textured (FAES1319) and the third is medium-fine textured (FAES1313); the fourth not with producers is fine textured (FAES1305). These grasses have performed well in trials across Florida and in the 2013 National Turfgrass Evaluation Program (NTEP) zoysiagrass trial. Complete data for 2014 and 2015 can be found at [www.ntep.org/zg.htm](http://www.ntep.org/zg.htm); 2016 data is forthcoming. FAES1319 and FAES1305 are the overall best performing entries across all NTEP locations.

FAES1312 is best adapted to north Florida and has done very well as far north as the transition zone. It will be used in landscapes and has better winter color and shade tolerance compared to existing commercially available zoysiagrasses.

FAES1313 is well adapted to Florida. Its use could range from golf course fairways to high end landscapes. It has significantly better winter color, produces less thatch and is less susceptible to dollar spot compared to other finer textured zoysiagrasses. It will be easier to manage in landscapes compared to existing fine textured zoysiagrass, but more difficult than coarse textured cultivars.

FAES1319 has also shown very good adaptation throughout Florida and across the southern United States. The primary use of FAES1319 is expected to be in landscapes. It has better winter color, shade tolerance and is more dense than other zoysiagrasses used in Florida landscapes. This grass has a dense rhizome system and does not wilt as quickly as many zoysiagrasses.

FAES1305 is a vigorous fine-textured zoysiagrass that should mostly be used on golf courses. Its tolerance to dollar spot is not as high as FAES1313, but it has proven to be widely adaptable though the areas of the United States where zoysiagrass is grown. It has good winter color, good drought tolerance, good shade tolerance, and a dense, deep rhizome system.

We have several St. Augustinegrasses that have been advanced in the program; however, one line is currently being pushed with sod producers to learn more about its production. This line is designated as FSA1602 in the 2016 NTEP St. Augustinegrass trial. This is a very coarse-textured St. Augustinegrass with large diameter stolons. Floratam St. Augustinegrass (the most dominant cultivar used in Florida landscapes) also has coarse-textured leaves and thick stolons; however, the two differ for other traits. FSA1602 has much better shade tolerance, shorter internodes, an attractive blue-green color, a denser canopy and improved drought tolerance. FSA1602 has performed very well throughout Florida and shown good persistence under stress. However, FSA1602 has a more prostrate growth habit potentially leading to excess thatch which can cause production and management problems. This grass has many positive attributes, but we are advancing this grass with producers to learn if the growth habit will cause production problems, and it needs testing in a wide variety of landscapes to learn if thatch will limit the use of this grass. Thatch is not an issue under shade; therefore, this grass, if released, could be recommended for shady areas where it will blend well with Floratam planted in full sun.

Dr. Kenworthy presenting at the 2016 turfgrass field day (photo by Betsy McGill).
C&S Attendee Registration Form

Company Contact Person:

Name _________________________________________________________________________________________________________________________________________

Company ______________________________________________________________________________________________________________________________________

Mailing Address ________________________________________________________________________________________________________________________________

City ________________________________________________________ State _________________________________________ ZIP ________________________________

Business Phone ______________________________________________  Email ___________________________________________________________________________

Full Registration Package #1

To ensure an accurate head count, please check all the events below that you will attend:

- Golf BMP’s, Core CEU Education or Sports Turf & Landscape Tour
- Young Professional Social & Opening Reception
- Annual Meeting Breakfast
- Tuesday Educational Workshops
- All Attendee Awards Lunch
- All Attendee General Education Session
- Industry Networking & Happy Hour
- Corn Boil & Raffle
- Prayer Breakfast
- Wednesday Educational Workshops

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<th>Early Bird (until 8/31/17)</th>
<th>On-Site (effective 9/1/17)</th>
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<td>FTGA Members</td>
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<td>Non-Members</td>
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<td>$625</td>
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Monday Registration Package #2

To ensure an accurate head count, please check all the events below that you will attend:

- Golf BMP’s, Core CEU Education or Sports Turf & Landscape Tour
- Young Professional Social & Opening Reception

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Tuesday Registration Package #3

To ensure an accurate head count, please check all the events below that you will attend:

- Annual Meeting Breakfast
- Tuesday Educational Workshops
- All Attendee Awards Lunch
- Industry Networking & Happy Hour
- Corn Boil & Raffle

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Wednesday Registration Package #4

To ensure an accurate head count, please check all the events below that you will attend:

- Prayer Breakfast
- Wednesday Educational Workshops

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Á LA CARTE OPTIONS:

- Golf Tournament - $125  $150
- Corn Boil - $100  $125
- Industry Networking & Happy Hour - FREE  FREE

Education Options (based on your package choice):

Choose One (1) Monday Session:

- Golf BMP
- Core CEU
- Sports Turf & Landscape Tour

Choose One (1) Tuesday Session:

- Soil & Water Management
- Pest Management
- Golf

Choose One (1) Wednesday Session:

- Sod
- Landscape
- USGA

Golf Registration:

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CALCULATION INFORMATION

Package # _____  Total $________________
Á La Carte Options  Total $________________
GRAND TOTAL $________________

PAYMENT INFORMATION

Check # __________________ OR

- Visa
- MasterCard
- AmEx
- Discover

Credit Card # __________________  Security Code __________________

Exp. Date __________________

Billing Address ________________________________

Zip Code ________________________________

SUBMIT REGISTRATION FORM AND PAYMENT TO:

Mail: Florida Turfgrass Association
3500 S. Florida Ave., Suite 7
Lakeland, FL 33803
Fax: 863-688-9610
Email: Heather@FTGA.org
Online registration: www.FTGA.org

www.FTGA.org

Cancellation Policy

Cancellations made after 8/31/17 are subject to a 25% cancellation fee.
Refunds will not be granted for not attending.

Phone registrations are not permitted.

Registration Deadline: 8/31/17

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