

# FLORIDA

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TURFGRASS  
ASSOCIATION

DIGEST

July/August 2016

VOL. 33 / NO. 4

## FTGA's 64th Annual Conference & Show

The Great CEU Round-Up  
Locations, Sessions and Presenters

Also in This Issue:  
Marketplace



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# FLORIDA

## TURF DIGEST

FLORIDA TURFGRASS ASSOCIATION

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## President's Message

By John Mascaro, FTGA President

# History and the FTGA

**R**ecently, I spoke at the West Coast Chapter GCSA about the “History of the Aerifier, the ‘Hole’ Story.” After the meeting was over, Scott MacEwen from Pasadena Yacht & Country Club in Gulfport, Florida, gave me some very old proceedings from the FTGA’s first few conferences; in fact, one was dated 1960.

As I leafed through the publication, names of turfgrass pioneers like Glenn Burton, GC Horn, James Moncrief, Joe Konwinski, Gene Nutter, Charles Wilson and Ralph White stood out among the speakers. It made me think about the FTGA’s history and my history with the association.

My first experience with the FTGA was back in 1986. I had just graduated from Tallahassee Community College with a degree in business management, and I was looking at starting up a company that imprinted and sold screen-printed T-shirts.

My father, who had been in the turfgrass business, told me if I moved back to South Florida, he would let me work out of his garage to pursue my business. Since he had over 50 years’ experience at starting, growing and running three companies, I figured his advice would be invaluable. At the apex of his business career, he had almost 100 employees working for him at West Point

Products. He mentioned that he had \$20,000 in inventory that he had been selling off-and-on to golf courses. Since he was about to retire, perhaps I could assist him with that as well.

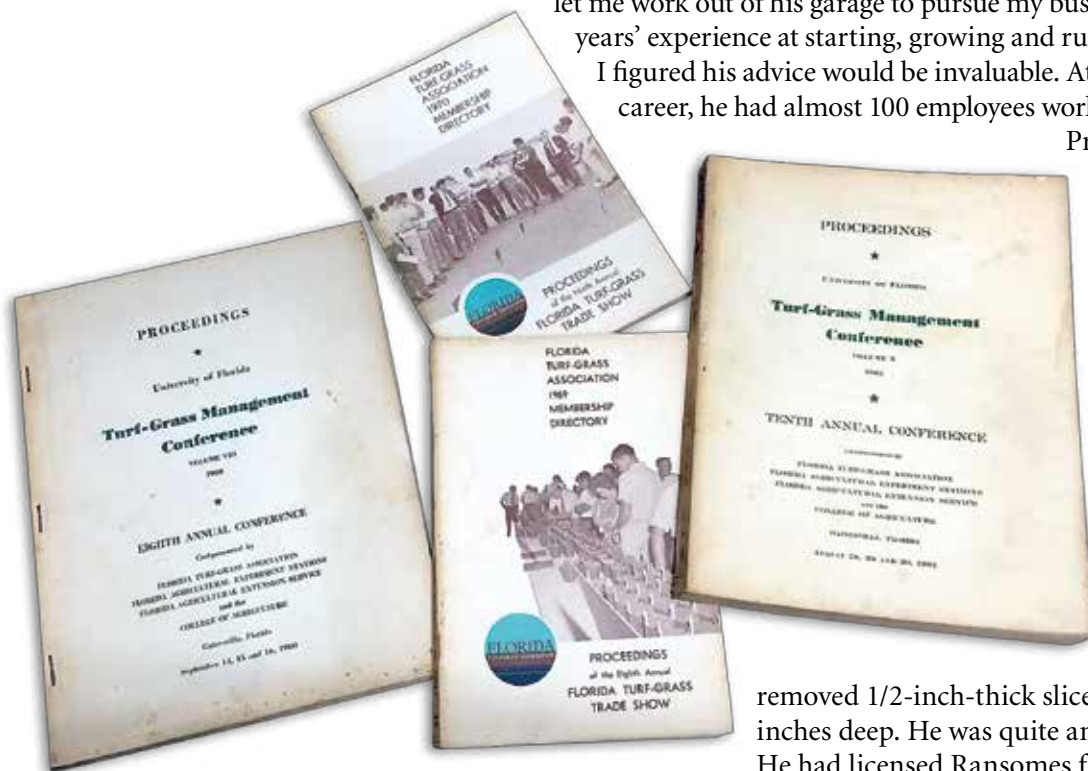
Looking back now, I realize he had a plan to get me involved in the turfgrass industry. He had invented an aerification-type slicer called the Verti-Groove, which was a modified plow.

With no moving parts, it

removed 1/2-inch-thick slices of soil from the ground 6 inches deep. He was quite an inventor, to say the least! He had licensed Ransomes from England, to manufacture

and sell the machine, and was consulting with them as well at the time.

Before I moved back to South Florida, my father said “John, why don’t you drive down with me to Tampa and attend the Florida Turfgrass Association Show to learn what this business is all about.”



*Continued on page 6*



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411 E. Orange Street, Suite 205  
Lakeland, FL 33801  
(863) 688-9413  
Fax: (863) 688-9610  
info@ftga.org  
www.ftga.org

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Foundation, Inc.

**FTGA EXECUTIVE COMMITTEE**

**President**

John Mascaro  
Turf-Tec International  
(850) 580-4026  
john@turf-tec.com

**Vice President**

William H. Kistler  
ABM Golf Services @ Rogers Park  
(727) 687-5762  
bkistler52@gmail.com

**Secretary/Treasurer**

Andy Jorgensen  
On Top of the World  
(352) 237-9564  
Andy\_Jorgensen@otowfl.com

**Immediate Past President**

Robby Clemenzi  
Bayer Environmental Science  
(352) 494-2552  
Robby.Clemenzi@Bayer.com

**FTGA DIRECTORS**

Tim Allen  
PBI Gordon Corporation  
(904) 502-6951  
tallen@pbigordon.com

Tiffany Bailey  
Bayside Sod  
(941) 356-3712  
baysidesod84@yahoo.com

*Continued on page 8*

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*Continued from page 4*

After graduating from high school, I worked the summer of 1983 at Palm Aire Golf Course in Pompano Beach as a spray tech and then as an assistant to the mechanic. In college, I worked at Killearn Country Club in Tallahassee raking sand traps and mowing greens. However, I had never seen the sales side of the business. My father got a badge from Ransomes for me so I could attend the show and meet some people. At 21 years old, I had never attended a trade show, so I figured, "Why not?" I knew that he was pretty well known in the turfgrass industry because he started selling equipment to golf courses and athletic fields in 1932. I also figured it would be a great

chance to network with people and perhaps presell some T-shirts. After attending the show, I was hooked.

The people I met, the educational portion of the conference I attended and the trade show—wow! I have always been a technology person. Since these people took time from their busy schedules to attend a conference and trade show to better themselves, learn more things, see new products and network with their peers, it made me realize that if I could come up with some useful tools and technologies, I could probably sell some solutions to this industry.

My father and I were able to work together for almost 10 years before he passed away in 1997, and I cherish all our travels and hours we spent

together. He taught me many things about equipment design, manufacturing and business. He also imparted a lot of turfgrass and soil knowledge through his articles, presentations and just sitting around talking about grass! He also introduced me to some real legends in the industry and had many fascinating stories about all of the people I mentioned in the beginning of the article. In addition, the education at the Florida Turfgrass Association Conference & Show, the GCSAA and Sports Turf Managers national shows as well as regional seminars, the University of Florida field days, the local GCSAA and STMA chapter meetings and my numerous visits to golf courses, parks and sports fields has given me the information necessary to continue to design and develop tools and equipment for this industry.

Over the span of my 30-year career in this industry (OK, stop doing the math), I have volunteered for various events for the Sports Turf Managers Association, GCSAA, University of Florida and the FTGA. In 2004, I became a board member of the FTGA and now, this year, serving as your president of the Florida Turfgrass Association has not only been a huge honor, it has given me the ability to network with many people from across the state and country. All this success has been based upon the foundation of being involved with the FTGA.

I invite you—no, I urge you—to become more involved with this organization. By volunteering, you not only give back to the profession that supports you but also you get so much more back in lifelong friendships as well as increased education that you can carry back to your everyday job. Get involved! See you at the FTGA Conference & Show. 🌱



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# Education Is King

**E**ducation has been a key to the success of the Florida Turfgrass Association since its founding in 1952 and throughout the intervening 64 years.

Given the regulatory environment in which the green industry finds itself, coupled with undue pressure from environmental activists, education is essential to our long-term well-being.

The FTGA recognizes this and has responded with more educational opportunities than ever before. By the end of 2016, the association will have offered over **100 different CEUs** at locations across the state.

Coming up is the Great CEU Round-Up 2016 on Wednesday, July 27, beginning at 8:30 a.m. EDT. CEU Round-Up offers attendees the opportunity to earn up to six CEUs in such hard-to-get categories as Aquatic, Aerial, Natural Areas, Right-of-Way and Forestry as well as such green industry mainstay categories as CORE, Limited Urban Fertilizer, Limited L+O, Commercial L+O, and Ornamental & Turf.

Pre-registration pricing for the CEU Round-Up is \$15 for IFAS employees, \$30 for municipal employees and \$50 for industry professionals, lunch included. Pre-registration ends Friday, July 22, after which time the on-site registration price (which is 50 percent higher) goes into effect. Currently over 25 different local extension offices across the state offer the CEU Round-Up. Please check the FTGA website for details ([www.ftga.org/ceu-round-up](http://www.ftga.org/ceu-round-up)).

We thank Dr. Fred Fishel for his leadership of the Great CEU Round-Up 2016.

Educational opportunities after the CEU Round-Up will be found at the annual Conference & Show, beginning Monday, September 26, and ending Wednesday, September 28, 2016, at Innisbrook Golf & Spa Resort in Palm Harbor, Florida. The theme of C&S 2016 (courtesy of C&S Chair Bill Kistler) is “Get Off Your Grass & Grow With Education!”

C&S Education Chair Dr. Laurie Trenholm has done a yeoman’s job lining up 38 different education sessions that cover all turfgrass industry sectors, all turfgrass production inputs and that touch on turfgrass industry challenges we are facing now and will be facing in the future. In addition, C&S 2016 includes Golf BMPs, an industry roundtable discussion, excellent keynote speakers and a Sports Turf & Landscape Tour of both Raymond James Stadium and Bright House Field. FTGA members wanted education, and C&S 2016 delivers it.

The Turf Seminar program kicks off the educational program in 2017. Turf Seminars 2017 will follow the expanded schedule established in 2016. There will be 12 Turf Seminar locations across the state. Historically, attendees earn up to five CEUs at each location as well as receiving an update on industry trends.

Yes, we, as an industry, have challenges—regulatory challenges, production challenges, environmental challenges and activists’ challenges—and the FTGA is striving hard to equip you to meet these challenges head on through education. At the FTGA, education is king. 🌱





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Barry Balavender  
John's Island Club  
(772) 231-7653  
balavender\_b@johnsislandclub.org

Laurie Bland  
Doral Golf Resort  
(305) 805-5180  
blandl@miamisprings-fl.gov

Brian Bowles  
ShowTurf  
(561) 732-8905  
brian@showturf.com

Alex McCoy (Mac) Briley  
(407) 850-9927  
alexbriley@bellsouth.net

Ralph Dain  
GCSAA  
(785) 312-3607  
rdain@gcsaa.org

Dave Dymond  
H & H Sod  
(407) 892-2024  
Dave@hhsod.com

Suzanne Graham  
Massey Services  
(941) 628-4216  
sgraham@masseyservices.com

Brad Holler  
Agro-Smart Turf & Ornamental  
(239) 628-6974  
agrosmartbh@gmail.com

Tim Legare  
City of Callaway  
(850) 874-0031  
tlegare@cityofcallaway.com

Ian Rodriguez  
ValleyCrest  
(561) 301-1725  
IRodriguez@valleycrest.com

Cindy Unger  
(561) 693-8606  
cynunger@comcast.net



# FTGA's 64th Annual Conference & Show

September 26-28, 2016

*Get Off Your Grass & Grow With Education!*

## Conference Agenda at a Glance

### MONDAY, SEPTEMBER 26

- 8:00 a.m. – 5:00 p.m. Registration
- 8:00 a.m. – 5:00 p.m. Golf BMP Workshop
- 8:00 a.m. – 10:00 a.m. Board of Directors Meeting
- 10:00 a.m. – noon Allied Association Meetings
- 12:00 p.m. – 5:00 p.m. Golf Tournament at Copperhead Course
- 12:30 p.m. – 5:00 p.m. CORE CEU Workshop
- 12:30 p.m. – 5:00 p.m. Sports Turf & Landscape Tour
- @ Raymond James Stadium and Phillies Spring Training Ballpark
- 5:30 p.m. – 6:00 p.m. Young Professionals Social
- 6:00 p.m. – 7:30 p.m. Opening Reception & Golf Tournament Prizes
- 7:30 p.m. Vendor Hospitality Suites

### TUESDAY, SEPTEMBER 27

- 6:00 a.m. – 5:00 p.m. Registration
- 7:00 a.m. – 8:00 a.m. Past Presidents' Breakfast
- 7:30 a.m. – 9:00 a.m. Continental Breakfast on Trade Show floor
- 7:30 a.m. – noon Trade Show
- 12:00 p.m. – 1:30 p.m. Annual Meeting & Lunch
- 1:30 p.m. – 5:00 p.m. Educational Workshops
- 6:00 p.m. – 9:00 p.m. Corn Boil and Raffle

### WEDNESDAY, SEPTEMBER 28

- 6:00 a.m. – 2:00 p.m. Registration
- 7:00 a.m. – 8:00 a.m. Prayer Breakfast
- 8:00 a.m. – noon Educational Workshops
- 12:00 p.m. – 1:00 p.m. All-Attendee Lunch
- 1:00 p.m. – 3:00 p.m. Closing Session



## Dear Turfgrass Professional,



I am proud to invite the turfgrass industry to join the board of directors at the 2016 64th Annual FTGA Conference and Show, located this year at the Innisbrook Golf & Spa Resort, home of the Valspar PGA Tournament. We are excited to bring the Conference & Show back to the Tampa area.

Once again, we have put together an exceptional education program. Our Education Committee chair, Dr. Laurie Trenholm of the University of Florida, has managed to assemble some of the top industry researchers to provide valuable turfgrass knowledge. In addition to these speakers, we will once again be offering the USGA program, the BMP certification program as well as the CORE CUE program.

This year's golf tournament will be held on the Copperhead course on Monday, September 26. We also have one of the largest venues for our trade show, which provides the availability to bring equipment for display. Innisbrook has many amenities to offer our members—several restaurants, Packard's Steakhouse and Salamander Grille, and the Loch Ness pool, a great place for those who wish to bring their family.

If you have any questions about this year's conference, please contact the FTGA office or me. I look forward to seeing you in September.

Sincerely,

**Bill Kistler**

FTGA Vice President

Conference & Show Chairman



# Conference & Show 2016:

## *Get Off Your Grass & Grow With Education!*

It's time to **Get Off Your Grass & Grow With Education!** If you haven't marked your calendar for September 26–28, now is the time to make plans to attend the 64th Annual FTGA Conference & Show (C&S). Every year, the C&S Committee works hard to bring you the biggest and best turfgrass show in the Southeast, and this year is no exception. They've done an outstanding job once again.

With so many events taking place simultaneously, it's hard to cover the entire C&S by yourself, and it's even harder to decide what presentations and network-

ing events to attend. If you bring a colleague or two, you can cover the entire menu of events as a group and compare notes later.

The FTGA would like to extend a special thank you to Dr. Laurie Trenholm for chairing the Education Committee and once again bringing a wide variety of dynamic speaker expertise to the education portion of C&S 2016. The timely presentations cover every aspect of the green industry: soil and nutrition management, water management, pest management, golf and USGA golf, sod management, landscape management and

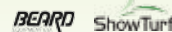
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athletic field management. The speakers will provide practical solutions for attendees to apply in the workplace. For those who want to dig a little deeper beneath the surface, C&S 2016 offers several advanced courses.

The Conference & Show is only possible thanks to our valued sponsors, especially our presenting sponsors. At the time we went to print, our presenting sponsors included Bayer Indemnify, Celebration

Bermudagrass, Harrell's, Howard Fertilizer & Chemical, John Deere Golf and its Florida distributors Beard Equipment and Showturf, and Toro and its Florida distributors Wesco Turf and Hector Turf. We appreciate your support.

And finally, a tip of the hat to the FTGA Conference & Show Committee, which has worked tirelessly on myriad details to bring you the best C&S to date.

## When, where, HOW MUCH?

This year's C&S will be held September 26-28 on Florida's West Coast at the Innisbrook Golf & Spa Resort ([www.innisbrookgolfresort.com](http://www.innisbrookgolfresort.com)), home of the Valspar PGA Tournament. The resort is located at 36750 U.S. Highway 19 N, Innisbrook, Florida 34684.

The Conference & Show Committee has negotiated outstanding rates, but you must book rooms by September 13, and mention the FTGA C&S to qualify for the discounted rate.

- Executive Suite: \$109\*
- One Bedroom Suite – \$129
- Two Bedroom Suite – \$229\*

\*Limited number of rooms available

Early-bird registration fee for the entire C&S, including all networking events, is \$375 for members and \$500 for non-members. Early-bird registration ends August 31. The price increase for each category after that date is \$125, so make your reservations early to avoid the late registration premium. Other options are available and are listed on the attendee application on page 21. See the FTGA website ([www.ftga.org](http://www.ftga.org)) for more information.



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### MONDAY, SEPTEMBER 26

**Golf BMP Workshop:** This daylong workshop kicks off the C&S at 8:00 a.m. Ralph Dain of the United States Golf Association (USGA); Don Rainey, Mark Hoyer and Dr. J. Bryan Unruh from the University of Florida and Todd Lowe from the USGA will conduct the sessions.

### 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 takes place on the Copperhead Course (see sidebar) at Innisbrook Golf & Spa Resort. 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 be awarded \$300 per team.

## COPPERHEAD COURSE

The Copperhead Course is the most prestigious of Innisbrook's four courses and the most popular among guests and PGA Tour professionals. In 2013, *Golfweek* named it one of the best courses in Florida, and that was before it underwent an extensive six-month renovation to restore it to the vision of designer Larry Packard.

The par-71, championship course hosts the world's greatest golfers at the Valspar Championship tournament. Golfers of all levels enjoy its tree-lined fairways and picturesque, rolling terrain. Fox squirrels, bald eagles, alligators, blue herons and many other types of waterfowl call Copperhead home, and you're bound to spot some of them in flight and at play. More than 7,200 yards of course are surrounded by lakes and ponds—and few residences—provide the setting for golfers to play golf the way it was intended to be played.

So, make time to come and play where the pros play in one of the FTGA scrambles. You might just walk away with a prize and/or a spot on the FGCSA team at the GCSAA National tournament.

Prizes will be awarded at 6:30 p.m. during the Opening Reception around the Island Pool.

**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 “Making Precision Applications” by Joe Welch, Massey Services; “Change is Everywhere” by Paul Mitola, Florida Department of Agriculture; “Easy Ways to Identify Bad, Ugly & Uncommon Turfgrass Weeds” by Dr. Chris Marble, University of Florida; and “CORE Doesn’t Have to Be a Bore” by Dr. Laurie Trenholm, University of Florida.

**Sports Turf & Landscape Tour:** A fourth option is available for those not participating in the all-day Golf BMP Workshop, FTGA Golf Tournament or the CORE CEU Workshop. This year’s Sport Turf & Landscape Tour, led by

John Mascaro, will venture out to Raymond James Stadium. The facility is home to the NFL’s Tampa Bay Buccaneers and the NCAA’s University of South Florida Bulls. The stadium also hosts the annual Outback Bowl, concerts and Monster Jam Truck Event.

This year’s tour also includes a visit to the Bright House Field, the ballpark that hosts spring training for the Philadelphia Phillies and their Class A affiliate, the Clearwater Threshers of the Florida State League.

We urge you to register early to avoid disappointment. The tour is limited to 50 participants, and it sells out quickly!

### **Young Professionals Social:**

Tuesday evening’s festivities begin with the ever-popular Young Professionals Social, sponsored by Nufarm, at the Island Pool 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.

In case of inclement weather, the reception will move to Sterling West.

**Opening Reception:** All confer-



ence attendees are invited to join the Young Professionals around the Island Pool for the Opening Reception at 6:00 p.m. for light hors d’oeuvres, drinks and networking. In case of inclement weather, the reception will move to Sterling West.

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 \$75. For more information, contact Michael Rabone at 727-942-5279.





**TUESDAY, SEPTEMBER 27**

*Day two of the Conference & Show promises non-stop action from sunup to sundown.*

**Past Presidents' Breakfast:** The day kicks off early for FTGA's past presidents as they gather for the Past Presidents' Breakfast at 7:00 a.m. This invitation-only event honors the dedication of our past presidents who have shown that they understand the theme "Get Off the Grass & Grow Your Education!" They're as committed as ever, and we pause to honor them with a special breakfast in their name.



**Trade Show:** Join us for continental breakfast on Trade Show floor from 7:30 a.m.–9:00 a.m. The Trade Show runs from 7:30 a.m. until noon. This year, we have increased the number of booths to accommodate 90 exhibitors. Each exhibitor has the option to bring equipment onto the Trade Show floor, so be sure to attend to see the exhibits and to talk with the vendors.

## DR. JOHN STIER, KEYNOTE SPEAKER AND GUEST PRESENTER



John Stier, Ph.D., is a professor and assistant dean for the College of Agricultural Sciences and Natural Resources at the University of Tennessee-Knoxville. He earned his B.S. and master's degrees at The Ohio State University and his Ph.D. at Michigan State University. Stier's re-

search revolves around various environmental issues and management of turfgrass, shade and cold stress, herbicides and weed management.

His excellence in agronomy and in the turfgrass industry have been well documented through the numerous awards he has received, including: the Biotechnology Literacy Project Boot Camp Invited Speaker, University of California-Davis; the Martin & Ruth Massengale Lectureship from the Crop Science Society of America; the Robert G. and Hazel T. Spitze Land Grant Faculty Award for excellence in teaching, research, and service, College of Agricultural & Life Sciences and School of Human Ecology, University of Wisconsin-Madison; the Pound Extension Award, UW-College of Agricultural and Life Sciences; and the Excellence in Research Award, Seed Research of Oregon. Stier has been recognized by the U.S. Environmental Protection Agency for the integrated pest management program he developed while at the University of Wisconsin-Madison, most recently as chair of the Department of Horticulture. In addition to participation in many state and regional turfgrass conferences around the United States, Stier has lectured in Argentina and Germany on shaded turf.

Beyond his expertise in the turfgrass industry, Stier has a strong national and global perspective on many of the issues we face in Florida. He currently serves as vice-chair of the Environmental Quality Section of the Agronomy Society of America. For three years, he served on the board of directors of USAID-SANREM CRSP, which stands for the U.S. Agency for International Development, Sustainable Agriculture and Natural Resource Management, Collaborative Research and Support Programs. These programs are an important component for addressing global food security. And Stier has been an administrative advisor to the North Central Extension & Research Activity (NCERA), which is a committee of the USDA that was organized to help plant scientists understand how to use controlled environmental technology effectively and consistently.

**Annual Meeting & Lunch:** Once a year, FTGA members gather at the C&S Annual Meeting & Lunch to discuss the business of the FTGA. The board will provide information on finances, review the 2015 annual minutes, elect new officers and recognize our Wreath of Grass recipient. The Wreath of Grass is FTGA's highest honor and pays tribute to individuals who have given outstanding service to the association and to the turfgrass industry.

Dr. John Stier, University of Tennessee-Knoxville, will serve as our keynote speaker. (See sidebar on page 15.)

**Tuesday Afternoon Turfgrass Management Education:** Tuesday afternoon's program begins at 1:30 p.m. and runs until 5:00 p.m. Golf presentations will be conducted by Drs. J. Bryan Unruh, Phil Harmon and Travis Shaddox from the University of Florida as well as Dr. Lee Berndt of Environmental Turf.

Four Soil & Nutrition Management talks will be presented on various topics by Drs. Rao Mylavarapu, Heather Enloe and Travis Shaddox from the University of Florida and our visiting expert, Dr. John Stier, from the University of Tennessee-Knoxville.

The Water Management sessions will feature presentations by Dr. Lee Berndt of Environmental Turf, Kurt Thompson of Massey Services, Dr. Kati Migliaccio of

the University of Florida and Jeff Snyder of Mainscape.

The Pest Management session includes four talks by Drs. Phil Harmon, Ramon Leon, Billy Crow and Chris Marble from the University of Florida.

**Corn Boil & Raffle:** After a long day of exhibits, the Annual Meeting and education, it's time to kick back and relax at the C&S's premier social event. We'll meet in the Inverness

Foyer from 6:00 p.m.–9:00 p.m. for a Low Country Seafood Boil including Gulf shrimp, cola-marinated flank steak with a shallot and root beer jus, farmers market salad, roasted sweet potato salad, shredded carrots and golden raisins, corn on the cob, rolls and cornbread, and strawberry shortcake for dessert! Wine and beer is on the house, so get ready to enjoy an outstanding meal, network and catch up with friends you haven't seen in a while.

### 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 will be simplified. We're holding just two fundraising events: a "BIG" ticket item raffle (which we're keeping as a surprise) 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 Research and Scholarship Fund-raiser sidebar.)

### WEDNESDAY, SEPTEMBER 28

**Prayer Breakfast:** Day three kicks off with our Annual Prayer Breakfast at 7:00 a.m. with a keynote address by Pastor Elmer Vogelsang. An educator, pastor, athlete, administrator, chaplain, fund-raiser, coach, broadcaster, and preacher, Pastor Vogelsang is a modern Renaissance man.

After his first career as a teacher, coach and school principal, Vogelsang responded to a calling to the ministry and attended the New Orleans Baptist Theological Seminary to prepare for a second career as a pastor and preacher. He served as pastor of Immanuel Baptist Church in Vero Beach. He also served as fulltime chaplain with the Indian River County Sheriff's Department before retiring with his wife Nancy to North Carolina.

Today, Pastor Vogelsang remains active in the Church and helps area churches as a preacher when needed.

**Wednesday Morning Workshops:** Attendees can choose to

attend presentations from any of four tracks.

The USGA Golf track features sessions by Todd Lowe and Steve Kammerer from the USGA; John Miller, LPGA Agronomist; and Dr. Travis Shaddox from the University of Florida.

The Sod Management track features speakers from the University of Florida: Drs. Kevin Kenworthy, Laura Warner, J. Bryan Unruh and Jason Kruse.

Drs. Tim Broschat, Phil Harmon, J. Bryan Unruh from the University of Florida and Dr. Stephanie Bledsoe from Main-scape will speak on Landscape Management.

The Athletic Field Track sessions will be presented by Drs. Jason Kruse and Travis Shaddox from the University of Florida and Dr. John Stier from the University of Tennessee-Knoxville.

**All-Attendee Lunch:** The highlight of Wednesday's all-attendee lunch will be an Industry Round Table, with representatives from each of the turfgrass segments participating in the discussion. This year's scholarship winners will be announced at the lunch.

**Closing Session:** As we wind down C&S 2016, Dr. Bryan Unruh from the University of Florida and Dr. John Stier, our visiting speaker from the University of Tennessee-Knoxville, will close the conference in a general closing session. Attendees will have experienced another great job by the C&S Committee, once again exceeding expectations.

Be sure to check the next issue, the Conference & Show Program, for more details on C&S 2016. We look forward to seeing you in September.



# Great CEU Round-Up

## Locations, Sessions and Presenters

**T**here's still time to register for the Great CEU Round-Up hosted by UF/IFAS and FTGA. Attendees can earn up to six hard-to-attain CEU credits across 17 different license categories. The Round-Up will be held Wednesday, July 27, from 9:00 a.m.–4:00 p.m. EDT at 25 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 22 to qualify for the early registration discount. To register online or download registration forms, visit [www.ftga.org/ceu-round-up](http://www.ftga.org/ceu-round-up).

*Note:* Pre-registration closes July 22, and on-site pricing applies beginning July 23, so mark your calendar to register early.

- 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

Walk-ins are welcome the day of the event at the participating IFAS Extension offices.

Cancellations must be made five business days before the Round-Up and are subject to a 25 percent cancellation fee. Refunds will not be issued for those who register but do not attend.

### The Great CEU Round-Up Locations

**Brevard County**  
3695 Lake Dr.  
Cocoa 32926

**Broward County**  
3205 College Ave.  
Davie 33314

**Charlotte County**  
25550 Harbor View Rd. #3  
Port Charlotte 33980

**Collier County**  
14700 Immokalee Rd.  
Naples 34120

**Columbia County**  
971 West Duval St., #170  
Lake City 32055

**Duval County**  
1010 North McDuff Ave.  
Jacksonville 32254

**Flagler County**  
150 Sawgrass Rd.  
Bunnell 32110

**Gadsden County**  
2140 West Jefferson St.  
Quincy 32351

**Highlands County**  
4509 West George Blvd.  
Sebring 33875

**Hillsborough County**  
5339 County Road 579  
Seffner 33584

**Holmes County**  
1179 East Highway 90  
Bonifay 32425

**Indian River County**  
2199 South Rock Rd.  
Ft. Pierce 34945

**Jackson County**  
2741 Penn Ave., #3  
Marianna 32448

**Jefferson County**  
2729 West Washington  
Monticello 32344

**Lake County**  
1951 Woodlea Rd.  
Tavares 32778

**Leon County**  
615 Paul Russell Rd.  
Tallahassee 32301

**Manatee County**  
1303 17th Street West  
Palmetto 34221

**Marion County**  
2232 NE Jacksonville Rd.  
Ocala 34470

**Martin County**  
2614 SE Dixie Highway  
Stuart 34996

**Miami-Dade County**  
18710 SW 288th St.  
Homestead 33030

**Palm Beach County**  
559 North Military Trail  
Exhibit Hall A  
West Palm Beach 33415

**Pinellas County**  
12520 Ulmerton Rd.  
Largo 33774

**Putnam County**  
111 Yelvington Rd., Suite 1  
East Palatka 32131

**Santa Rosa County**  
5259 Booker Lane  
Jay 32565

**Walton County**  
732 North 9th St. West  
DeFuniak Springs 32433

### The Great CEU Round-Up Sessions

#### 9:00–9:50 a.m.

#### ***Pesticides, Pollinators and Politics in Turf & Ornamentals—Dr. Adam Dale***

Over the past three years, social and political pressures on insect pest management have increased substantially. Catalyzed by a series of unfortunate events, the use of neonicotinoids to control insect pests of turfgrass and ornamental plants has been put in the spotlight. Following the creation of new product labels and legislation on their use, landscape managers must be knowledgeable about how to comply with them. In addition, several studies have highlighted the effect of neonicotinoids on pollinators and management strategies to mitigate these effects. This presentation will

touch on multiple aspects of insecticide use and beneficial insects, with emphasis on how it will affect insect pest managers in turfgrass and ornamental systems.

#### 10:00–10:50 a.m.

#### ***Integrating Biological Controls and Herbicides—Dr. Jim Cuda***

This 50-minute unit should qualify for CEUs 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. Basic concepts of IPM will also be presented.



**11:00–11:50 a.m.*****When Upland Invasive Plant Control Meets Water: Herbicide Label Interpretations, Application Techniques and Troublesome Species—******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.

**1:00–1:50 p.m.*****Pesticide Spill Management and Cleanup—Paul Mitola***

Discussion will focus on procedures for preventing pesticide spills from occurring. In the event of an accident, cleanup procedures will be presented. We will also review how federal and Florida laws are regulated and enforced for pesticide spills and their cleanup.

**2:00–2:50 p.m.*****Aquatic Weed Identification—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 ever to 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 including any biocontrol agents, effects of mechanical control, etc.

**3:00–3:50 p.m.*****Herbicide Injury From Off-Target Application—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.

insect behavioral ecology on turfgrass, woody ornamentals and shade trees in the urban landscape. His extension work focuses on different segments of the green industry, including residential landscapes, golf courses, athletic fields, parks, sod farms, urban tree plantings and woody ornamental nurseries. Dr. Dale earned his Ph.D. from

North Carolina State University.

***Dr. Jim Cuda: Integrating Biological Controls and Herbicides***

Dr. Cuda is professor of entomology and nematology at UF/IFAS in Gainesville and a consultant to UF's Center for Aquatic and Invasive Plants. His research deals with key elements of



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## The Great CEU Round-Up Speaker Bios

**Dr. Adam Dale: Pesticides, Pollinators and Politics in Turf & Ornamentals**

Dr. Dale is an assistant professor in the UF/IFAS Department of Entomology and Nematology. His research area encompasses insect pest management and

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: When Upland Invasive Plant Control Meets Water: Herbicide Label Interpretations, Application Techniques and**

### **Troublesome Species**

Dr. 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.

### **Mr. Paul Mitola: Pesticide Spill Management and Cleanup**

Mr. Mitola is a pesticide use inspector for FDACS' Bureau of Inspection and Incident Response. He specializes in compliance assistance and participates as an instructor for UF/IFAS' Pest Management University, which trains professional applicators. His expertise resides in pesticide spill management and cleanup. Prior to his employment with FDACS, he was a professional applicator working in the urban structural industry.

### **Dr. Lyn Gettys: Aquatic Weed Identification**

Dr. Gettys is an assistant professor at the UF/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: Herbicide Injury From Off-Target Application**

Dr. Dittmar is assistant professor of horticulture at UF/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. 🌱



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# C&S Attendee Registration Form

Register by 8/31/16

One Attendee per Form:

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Business Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Don't pay non-member prices, become an FTGA member today!

## ATTENDEE FULL REGISTRATION – PACKAGE #1

	Early Bird (until 8/31/16)	On-Site (effective 9/1/16)
<input type="checkbox"/> FTGA Member	\$375	\$500
<input type="checkbox"/> Non-FTGA Member	\$500	\$625

For accurate headcount, please check all the events (below) that you will attend:

- Includes:
- |  |  |
|--|--|
| <input type="checkbox"/> Golf BMP's, Core CEU<br>Education or Sports Turf Tour | <input type="checkbox"/> Tuesday Afternoon Education   |
| <input type="checkbox"/> Opening Reception                                     | <input type="checkbox"/> Corn Boil & Raffle            |
| <input type="checkbox"/> Tuesday Continental Breakfast                         | <input type="checkbox"/> Wednesday Prayer Breakfast    |
| <input type="checkbox"/> Trade Show  | <input type="checkbox"/> Wednesday Morning Education   |
| <input type="checkbox"/> Annual Meeting Lunch                                  | <input type="checkbox"/> Wednesday All-Attendee Lunch  |
|  | <input type="checkbox"/> Wednesday Afternoon Education |
- À la carte value is \$585.

## MONDAY REGISTRATION – PACKAGE #2

	Early Bird (until 8/31/16)	On-Site (effective 9/1/16)
<input type="checkbox"/> FTGA Member	\$50	\$75
<input type="checkbox"/> Non-FTGA Member	\$75	\$90

For accurate headcount, please check all the events (below) that you will attend:

- Includes:
- |  |  |
|--|--|
| <input type="checkbox"/> Golf BMP's, Core CEU<br>Education or Sports Turf Tour | <input type="checkbox"/> Opening Reception |
|--|--|
- À la carte value is \$85.

## TUESDAY REGISTRATION – PACKAGE #3

	Early Bird (until 8/31/16)	On-Site (effective 9/1/16)
<input type="checkbox"/> FTGA Member	\$225	\$275
<input type="checkbox"/> Non-FTGA Member	\$275	\$325

For accurate headcount, please check all the events (below) that you will attend:

- Includes:
- |  |  |
|--|--|
| <input type="checkbox"/> Tuesday Continental Breakfast | <input type="checkbox"/> Tuesday Afternoon Education |
| <input type="checkbox"/> Trade Show                    | <input type="checkbox"/> Corn Boil & Raffle          |
| <input type="checkbox"/> Annual Meeting Lunch          |  |
- À la carte value is \$280.

## WEDNESDAY REGISTRATION – PACKAGE #4

	Early Bird (until 8/31/16)	On-Site (effective 9/1/16)
<input type="checkbox"/> FTGA Member	\$150	\$200
<input type="checkbox"/> Non-FTGA Member	\$200	\$250

For accurate headcount, please check all the events (below) that you will attend:

- Includes:
- |  |  |
|--|--|
| <input type="checkbox"/> Prayer Breakfast  | <input type="checkbox"/> All-Attendee Lunch  |
| <input type="checkbox"/> Morning Education | <input type="checkbox"/> Afternoon Education |
- À la carte value is \$220.

## À La Carte Options:

	Early Bird (until 8/31/16)	On-Site (effective 9/1/16)
<input type="checkbox"/> Golf Tournament & Opening Reception	\$125	\$150
<input type="checkbox"/> Corn Boil & Raffle	\$100	\$125

## Education Options (based on your package choice – Refer to pages 4 & 5):

- Choose One (1): ☐ Golf BMP ☐ Core CEU ☐ Sports Turf Tour
- Choose One (1) Tuesday Session: ☐ #1 ☐ #2 ☐ #3 ☐ #4
- Choose One (1) Wednesday Session: ☐ #1 ☐ #2 ☐ #3 ☐ #4

## Golf Registration:

	Handicap	Scramble	Individual
Player 1 _____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Player 2 _____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Player 3 _____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Player 4 _____	_____	<input type="checkbox"/>	<input type="checkbox"/>

## CALCULATION INFORMATION

Package # \_\_\_\_\_ Total \$ \_\_\_\_\_  
À La Carte Options Total \$ \_\_\_\_\_  
**GRAND TOTAL** \$ \_\_\_\_\_

## PAYMENT INFORMATION

Check # \_\_\_\_\_ OR ☐ Visa ☐ MasterCard ☐ AmEx ☐ Discover  
Credit Card # \_\_\_\_\_  
Exp. Date \_\_\_\_\_ Security Code \_\_\_\_\_  
Billing Address \_\_\_\_\_ Zip \_\_\_\_\_

## SUBMIT REGISTRATION FORM AND PAYMENT TO:

Florida Turfgrass Association  
411 E. Orange Street, Suite 205, Lakeland, FL 33801

## CONTACT INFORMATION:

Heather Russo | Heather@FTGA.org  
863.688.9413 | Fax 863.688.9610 | [www.ftga.org](http://www.ftga.org)

Phone registrations  
are not permitted.

## Cancellation Policy

Cancellations made after 8/31/16 are subject to a 25% cancellation fee.  
Refunds will not be granted for not attending.

# FTGA Marketplace

## **Rounds 4 Research April Auction raises \$164,000 for turfgrass studies** *National program has raised more than \$565,000 since 2012.*

The 2016 Rounds 4 Research fundraising program to support turfgrass studies, managed by the Environmental Institute for Golf (EIFG), sold more than 800 rounds and yielded more than \$164,000 in its April online auction. The EIFG is the philanthropic organization of the Golf Course Superintendents Association of America (GCSAA).



The Carolinas Golf Course Superintendents Association, with more than \$44,000 raised, was the leader among more than 50 fundraising partners that donated rounds to support turfgrass research at the local level. The Georgia GCSA was next with \$13,000 raised for its association.

The top bid was \$4,600 for four rounds of golf offered by Sage Valley Golf Club in Graniteville, South Carolina. Other high bids went for \$2,325 for four players at East Lake Golf Club outside of Atlanta, and more than \$1,800 apiece for two stay-and-play packages for four players at the French Lick Golf Resort in French Lick, Indiana.

"This was a great opportunity that I couldn't pass up," said Sean Moore, who owns 12 Five Guys restaurants in South Carolina. "I have heard nothing but great things about Sage Valley, and now I have an opportunity to play. I have three friends already set

to round out the group; now we just need to find a time that works."

"We are pleased with the success of our Rounds 4 Research program and the good that we know it can do for turfgrass research," said Rhett Evans, GCSAA chief executive officer. "This is a terrific program that gives golfers everywhere a chance to play their favorite courses and benefit the long-term health of the game."

The national campaign is supported by a \$50,000 donation from The Toro Co. The program has raised more than \$565,000 since launching in 2012.

## **UF/IFAS study: Mow less along highways; preserve pollinators**

Mowing less frequently along Florida's highways boosts pollinator and wildflower biodiversity and would likely save money on gasoline and manpower, new University of Florida research shows.

University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) researchers are studying how to preserve pollinators and wildflowers along the state's roadsides. Pollinators visit flowers, searching for food in the forms of nectar and pollen. During flower visits, pollinators may deposit pollen from a different flower. The plant uses the pollen to produce a fruit or seed. Many plants cannot reproduce without pollen carried to them by foraging pollinators.

The best-known pollinators are bees, but UF/IFAS researchers are studying butterflies as roadside pollinators. Among their other benefits, butterflies serve as indicator organ-



isms. "They signal when environmental changes are affecting ecosystems before the effects are apparent to humans or many other organisms," said Dr. Jaret Daniels, a UF/IFAS associate professor of entomology.

"Florida Department of Transportation (FDOT) officials supported UF scientists in the study and appreciate the results because they want to create an environment that fosters biodiversity and conserves critical ecosystem services like pollination," Daniels said. "People sometimes complain to the FDOT when roadsides become overgrown with grass and flowers; thus, the department must mow to maintain aesthetics and clear an area for safety."

A March 2014 UF/IFAS report concluded that the FDOT could reduce right-of-way vegetation management costs by 30 percent by implementing sustainable management practices such as reduced mowing.

"Our new study will provide mowing recommendations for the FDOT," said Daniels, the faculty adviser for Dale Halbritter, a former UF/IFAS entomology master's student and current doctoral candidate, who led the research. "FDOT is committed to biodiversity conservation and ecological services that roadsides can offer. They additionally have a strong commitment to pollinator and monarch



butterfly conservation.”

“Mowing less frequently has the potential to accomplish the FDOT’s objectives and enhance the abundance of floral resources,” Daniels said. “More research is needed to determine the long-term impacts of different mowing regimens on Florida resources and pollinators in Florida.”

For the study, researchers counted live and dead butterflies along roadways in Alachua County in the spring, summer and fall of 2011, during various FDOT mowing intervals. “Although the study was conducted in Alachua County, its findings are applicable to other southeastern states,” Daniels said.

They found butterfly mortality was reduced along roadways that were mowed less frequently.

The study by Daniels and Halbritter is published in the journal Florida Entomologist. The article can be found at [journals.fcla.edu/flaent/article/view/85018](http://journals.fcla.edu/flaent/article/view/85018).

**Ocala Golf Club named June’s Florida Historic Golf Trail Course of the Month**

Secretary of State Ken Detzner announced that Ocala Golf Club has been chosen as the featured course on the Florida Historic Golf Trail for the month of June. The Ocala Golf Club is located in the City of Ocala in Marion County.

“We are pleased to feature the historic Ocala Golf Club as a partner on the Florida Historic Golf Trail,” said Secretary Detzner. “The City of Ocala has a long history and strong ties to the

development of golf in Florida, dating back to the early 20th century.”

Ocala had a 9-hole golf course in the early 1900s known as the Ocala Heights Golf Club. The early popularity of golf in Ocala generated citizen support for the development of a second golf course on the east side of town. Construction began in 1930 for a course designed and built under the personal supervision of E. Ellsworth Giles, golf architect from Pittsburgh. Giles promoted himself not only as an architect but also as a builder of golf courses and an authority in selecting land for golf links. The Ocala Highlands Golf Course and Hotel formally opened in 1931. In the mid-1940s, the City of Ocala purchased the golf course and built a new clubhouse.

In 2009, the municipal golf course re-opened for play following an extensive renovation by golf course architect Michael Beebe. The renovation, consisting of new greens, tees, bunkers, irrigation, cart paths and selective tree removal, re-captured the classical look and strategic principles that had been lost over the years. The club also re-introduced short grass around the greens to add interest to the short game.

Today, the Ocala Golf Club includes an 18-hole, par-72 golf course featuring five sets of tees playing from 4,200 to 6,500 yards. The Emerald Dwarf Bermuda Greens provide a tight putting surface with very little grain. Short grass collection areas and white sand bunkers allow for a variety of shot options around the greens. There is no doubt that strategy is a key component of the game at Ocala Golf Club. 🌳

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**Sod Solutions .....20**  
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