

FLORIDA

TURF DIGEST

FLORIDA
TURFGRASS
ASSOCIATION

May/June 2018
VOL. 35 / NO. 4

ON TOP OF THE WORLD

Builds Water Efficiency
Into Lush Florida Landscapes

Also in This Issue:

- CEU ROUND-UP COMING TO AN EXTENSION NEAR YOU
- CATCHING UP WITH DR. TRAVIS SHADDOX



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(Continued on page 6)



President's Message

By Andrew J. Jorgensen, FTGA President

Commitment to Education

The many fertilizer ordinances that have popped up around the state over the previous years have all had an important part written into the legislation—education—not just for the homeowner but for the applicator as well. Education is the vital link between success and failure. The importance of education can also be found with the Continuing Education Units (CEUs) required by the state in renewal of pesticide and fertilizer applicator licenses.

Education is more than just a requirement. Allowing your employees to continue their education proves commitment in their personal and professional growth. Unfortunately, employers often put great emphasis and investment on recruiting and hiring an employee, then fail to keep the employee motivated and engaged for long-term success. Providing additional training and education improves employees' well-being, loyalty and on-the-job performance. It prevents employees from becoming stagnant in their current positions, forcing them to look for better opportunities elsewhere. In return, you get better-trained employees who can contribute to your business' success. Education could turn a good employee into a great employee with a high return on investment.

Continuing your own education allows your business to stay at the forefront of new and emerging trends arising from research developments, policymaking and the many new and exciting products to hit the market. It allows one-on-one interactions with the many sponsors in attendance, answering questions or soliciting feedback on product performance. Most importantly, it could lead to a money-saving or business-generating idea down the road that can have a direct effect on the bottom line. Providing professional development goals for your employees is very important and allows you to gain trust from them by maintaining goals of your own.

The Florida Turfgrass Association remains committed to providing this education for the entire green industry, not just for our members. Through the Regional Turf Seminars each spring, the CEU Round-Up in July and the Conference & Show in September, we provide ample opportunity to be your one-stop shop for all green industry related education. But we won't stop there. Coming this year to the Conference & Show will be a business track geared toward improving more than just your turf. Topics will range from basic spreadsheet creation and utilization, to more in-depth studies on human resource management. We are excited to be able to offer a variety of education, and we appreciate any ideas or feedback you may have for improvement regarding any of our educational offerings.

CEU Round-Up

With the busy growing season now upon us, we realize the need to offer opportunities for education with reduced travel and time away from the job site. The CEU Round-Up on July 25 allows you and your staff a full day of education at various UF/IFAS Extension offices throughout the state. For more information and to register, visit www.FTGA.org.

Conference & Show

We are pleased to announce that the FTGA has partnered with the Florida Golf Course Superintendent Association for the opening reception during the 66th Annual Conference & Show at the World Golf Village Renaissance St. Augustine Resort, September 17–19. The opening reception will feature Pat Jones, publisher of *Golf Course Industry* magazine, as guest speaker. Pat brings with him many years of experience in all things green industry related and is an informative and educational speaker. This is an event you don't want to miss, and it's just the beginning of what promises to be an outstanding, industry educational and networking event. 🌱

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(Continued from page 4)

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From the Executive Director

By Heather Russo, Executive Director

Filling the Gap: Finding Your Next Employee or Employer

The FTGA is continually looking for ways to help its members and turfgrass professionals. We are excited to announce the addition of a new Career Center feature to our website.

EMPLOYERS

It can be difficult to find qualified and reliable workers. In the case of unexpected absences, busy periods or skills shortage, a temporary or permanent professional may be just what your company needs, and we are here to help. I hope this new tool will make it easier to find your next employee.

Go to our website at www.ftga.org. On the top navigation toolbar, select **Career Center**, then click the **employer link to submit a job posting**. The screen illustrated here will appear.

Complete the online form and submit. Once the payment is received, the posting will be active for one month; the cost is \$50 for FTGA members and \$100 for non-FTGA members. To extend the job posting for another month, contact our office.

CANDIDATES

Find the job that fits your industry skills and knowledge. Whether you recently lost your job or are ready to start to start new, we hope this new job board will help you land the job of your dreams. It's easy as 1-2-3; type in your credentials and hit SEARCH. A list of current job postings will populate the screen.

I hope employers and candidates find this new tool useful.

FTGA EDUCATION OPPORTUNITIES

Education and career development go hand-in-hand. If you want to further your career or go off in a different direction, be sure to read the section in this issue on the CEU Round-Up coming up in July. The next issue of the *Digest* will offer a preview of the FTGA Conference & Show. 🌱

The screenshot shows the 'Career Center' job posting form. At the top, there are social media share icons and an 'Edit This Page' link. Below that, a heading reads 'We want to help you find your next employee'. A section for 'Employers' lists instructions: 'To post a job opening, complete the form below.' and a bulleted list: 'Each job posting is active for one month. The FTGA does not take responsibility of automatically relisting a job posting.', 'Once the payment is received the posting will be active. (50 for FTGA members, 100 for non-FTGA members)', 'The Employer is responsible for contacting the FTGA to disable job posting.', and 'The FTGA has the right to reject any job posting that is not relevant to industry.' The form fields include: First Name, Last Name, Company, Address Line 1, City, State (ST), Zip Code, Phone Area Code, Phone, Email Address, Job Title, Salary, Beginning Pay Range, Type of Position, Education Requirement, Experience Requirement, Date Position Available, and Job Description. At the bottom, there is a reCAPTCHA 'I'm not a robot' checkbox and a 'Submit' button.



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ON TOP OF THE WORLD

Building Water Efficiency Into Lush Florida Landscapes

Editor's Note: Since 2007, On Top of the World has participated in the Florida Water StarSM requirements with every house it has built while maintaining turfgrass and Florida-Friendly plant material as part of the landscape. What a great example of FTGA members providing good stewardship of the environment.

By **Phillip Hisey**,
Commercial Landscape Superintendent,
On Top of the World Communities Inc.

The Florida Water Star program was launched ten years ago by the St. Johns River Water Management District (SJRWMD) to not only provide an opportunity for saving water indoors and outdoors in new residential and commercial construction, but also to provide recognition to program participants. The program considers showerheads, faucets, toilets, piping, landscaping and irrigation as just a few of the many components that influence water use.

On Top of the World Communities Inc. (OTOW) was instrumental in providing technical expertise in the development of the program, and we continue to partner

with Florida Water Star and both the SJRWMD and Southwest Florida Water Management District (SWFWMD). When the program began, OTOW partnered with the SJRWMD to pilot many of the Florida Water Star criteria in place today. Because the use of low-volume irrigation, Florida-Friendly Landscaping™ principles and pressure-regulated heads were already implemented at OTOW, merging with Florida Water Star was a natural fit.

While OTOW is not within the SJRWMD, our cooperation with both water management districts has led to a lasting relationship that is continuously strengthening and growing. OTOW staff sit on the Florida Water Star technical advisory committee representing builders/developers to help with continued program development and to share challenges and issues from the perspective of the builder, landscape professionals and irrigation professionals.

So what is the Florida Water Star Program?

The Florida Water Star program is a voluntary certification program for new residential and commercial construction



An average Florida Water Star homeowner can save up to \$530 on annual utility bills and up to 48,000 gallons of water each year.

and existing home renovations. The program encourages water efficiency in appliances, plumbing fixtures, irrigation systems and landscapes as well as water quality benefits from best management practices in landscapes. An average Florida Water Star homeowner can save up to \$530 on annual utility bills and up to 48,000 gallons of water each year. The program outlines standards for a broad range of homes—from a condominium with no yard to an older home on a half-acre lot with an aging irrigation system.

Florida Water Star is not about removing turfgrass and creating “Martian” landscapes with rock and cactus. The values are conservation-oriented and incorporate the Florida-Friendly Landscaping principles, as well as installing conserving fixtures and appliances under the roof. I am confident in saying that we all know the benefits we get from turfgrass and landscape plants far exceed landscapes comprised of solely rock and cactus. To name a few, we see business and economic improvement, climate control, dust filtration, erosion control, habitat for butterflies and other species as well as and oxygen generation. While with rock you use less water, you also create a heat island, nearly eliminate erosion control potential, and filtration and oxygen production are significantly reduced.

When considering the Florida Water Star program, you need

to be familiar with the prerequisites that must to be met to achieve the minimum certification of “silver.” Starting with the landscape, some of the criteria include not installing invasive exotic plants, spacing plants 2.5 feet from the home, using plants specific to the site conditions—right plant, right place and installing tree species that will create enough shade to cover 30 percent of the landscape area at maturity. The main focus of the landscape criteria is plant selection and placement to help reduce over-irrigation.

Next is the irrigation criteria. There are 16 separate irrigation criteria, but most are standards that should be met by any qualified irrigation installer. Criteria such as installing a working rain sensor, using matched precipitation rates within zones, ensuring correct spray patterns to avoid overspray on concrete and even coverage. The biggest requirement that I believe catches most people is allowing only 60 percent of the irrigable area to be in high-volume irrigation (typically spray or rotor heads) or anything over 0.5 gallons per minute. This means that you need to be using drip or low-volume irrigation for landscape and shrub areas to meet the criteria or install a turfgrass that will thrive without high-volume irrigation.

To achieve Florida Water Star silver certification, the last section of the criteria is the indoor portion. Many

of these are easily accomplished for most home builders with little or no added cost. A few of these criteria include using reinforced hoses for appliance water supply lines, installing 1.28 gallon per flush toilets, installing showerheads that do not exceed 2 gallons per minute and aerators in bathroom sink faucets that do not exceed 1.5 gallons per minute. Regarding aerators and the gallons-per-minute requirement for showerheads, many manufacturers provide these options already with no additional charge. When installing showerheads, toilets and faucets, select those with the WaterSense label and the criteria will be met. Also, if homes come with a clothes washer and dishwasher, look for the Energy Star label, and they will also meet the indoor prerequisites.

As you can see, the criteria are typical of good design standards that any prudent landscape and irrigation installer should follow for optimal use and efficiency in the landscape and irrigation system. The water management districts offer some cost comparisons for installations done correctly, but in my experience the cost of installing a Florida Water Star

landscape and irrigation system pay for themselves within one to two years, depending on the size of landscape and cost of water from your purveyor.

The successful landscape designs utilized here at On Top of the World are inviting, aesthetically pleasing and provide the benefits to our residents and our ecosystem. By using the Florida-Friendly Landscape principles and the Florida Water Star program criteria we are poised to reduce our water use for many years to come. Again, water-conserving landscapes do not have to be dull rock and cactus yards with little to no color. They can be inviting, natural settings using cultivars of Florida natives and sub-cultivars that provide the aesthetic appeal that we all look for and water conservation we all need to be striving for. If you are interested in learning more about the Florida Water Star program or want to look at the criteria, visit FloridaWaterStar.com. If you are interested in



visiting On Top of the World Communities Inc., to see how we are achieving Florida Water Star certification, please reach out to me at phillip_hisey@otowfl.com. 🌱

FLORIDA-FRIENDLY LANDSCAPING QUIZ

Contrary to what some think, Florida-Friendly Landscape is not a fancy slogan for Xeriscape. It incorporates nine guiding, common-sense principles to help homeowners conserve water and reduce pollution of water resources. How well do you know the nine principles of Florida-Friendly Landscaping? Take the quiz to find out.

Test Your Florida-Friendly I.Q.

1. What is the purpose of right plant, right place?
2. How should you water for maximum water efficiency?
3. Overuse of fertilizer can be bad for your yard and (on the macro level) for the _____.
4. How many inches of mulch should you provide to help retain soil moisture, prevent erosion and suppress weeds?
5. How can you encourage wildlife to inhabit your environs?
6. In addition to overusing fertilizer, you must use them _____.
7. What provides nutrients to the soil and reduces waste disposal when reused on the landscape by recycling?
8. What can provide nutrients to the soil and reduce waste disposal when reused on the landscape?
9. Waterfront property, whether on a river, stream, pond, bay or beach, is fragile and should be carefully protected to maintain freshwater and marine _____.

(Answers on page 12)





Answer Key: FLORIDA-FRIENDLY LANDSCAPING QUIZ

1. To reduce the need for water, fertilizer, pesticides and pruning. Native plants are the best choice. Visit www.floridayards.org/fyplants/index.php to view a database of native plants by region. Visit http://fyn.ifas.ufl.edu/Plant_list/player.html for a tutorial on native plants.
2. Water only when necessary, not on a fixed schedule. If you create a landscape that thrives only on rain once established, you significantly reduce the need to water.
3. Environment. The object is a healthy lawn. Over-fertilizing encourages pests while under-fertilizing can endanger the health of a lawn.
4. Three inches of mulch is optimal. It not only retains moisture and suppresses weeds but also helps to moderate the soil temperature.
5. By providing plants, water and shelter. Use a variety of plants with an emphasis on native plants.
6. Responsibly. Follow city ordinances and use cultural deterrents—integrated pest management—to prevent pest infestation.
7. Yard clippings. Recycled yard waste (compost) adds valuable nutrients to the soil.
8. Stormwater runoff. Reduce and reuse stormwater runoff.
9. Ecosystems. Plant a maintenance-free zone of at least 10 feet between landscape and adjacent bodies of water.

Additional Resources:

- Download *The Florida Yards & Neighborhoods Handbook* at https://ffl.ifas.ufl.edu/materials/FYN_Handbook_2015_web.pdf for comprehensive information on Florida-Friendly Landscape.
- Visit the University of Florida at http://fyn.ifas.ufl.edu/professionals/BMP_overview.htm to learn about the UF-IFAS Florida-Friendly Landscaping™ program and Best Management Practices for lawn and landscape trainings.

notebook: freepik.com
green tree frog: wikipedia/commons.com



We are poised to reduce our water use for many years to come.



Communication and Trust:

*A Recipe
for Growth*





Your Success
Our Science

Zach Lane

*Bayer Area Sales Manager
in Southwest Florida*



Craig Devereaux

*Lawn Route Manager
for Turfmaster Lawn Services*



Communication and Trust:

A Recipe for Growth

At 5:30 am, Craig Devereaux, Lawn Route Manager for Turfmaster Lawn Services, opens up shop, loads up the trucks and starts his team off. On Turfmaster's first day in 1991, he was gearing up for three customers. Yep, three. Today's task? A chunk of the 15 routes reaching more than 5,000 customers around Sarasota, Florida. Growth like that doesn't happen by accident.

When Mark Hughes opened Turfmaster back in 1991, he enlisted Craig – a longtime business partner – to help lead the technical aspects of their work.

“Mark built this business on a reputation of being fair and being honest,” Craig said. “It’s about showing up when you’re supposed to, being prompt and courteous, and getting to know your customers, their dogs and their kids. It’s easy to fire a company. It’s hard to fire someone who cares.”

That same spirit is fundamental to the company’s collaboration with Bayer.

“At Bayer, it’s all about bringing things to a personal level,” said Zach Lane, Bayer Area Sales Manager in Southwest Florida. “You want to say ‘hey, man, I’m here for you’. It’s about building trust and providing a better life for our customers and their clients.”

For Zach, understanding lawn care professionals is second nature. A former turf manager of 13 years, Zach is closely attuned to the challenges of the trade.

“I’ve been there. I know the stress. I know the time commitment. And I know how important it is,” Zach said. “I’ve got a son, and he needs a place to run around, play baseball and just be a kid.”

According to Zach, Turfmaster isn’t a company that understands the value of their work – and understands that when you take care of your customers, they take care of you. Turfmaster has a similar perspective when it comes to serving its customers.

“In this business, the bottom line is if a customer’s lawn isn’t green or isn’t healthy, it’s all on you,” Craig said.

That mentality is reinforced by the tremendous growth the company has seen through referral after referral. A happy customer is the best route to another one.

The reality is that maintaining high customer satisfaction is difficult when companies are under constant pressure to perform and homeowners are quick to call a competitor. Fortunately, Craig likes a challenge.

“I like to get to a property, take a look and find out what went wrong to come up with a fast resolution,” Craig said. “Bayer is one of my go-to’s if I’ve had a problem or an issue with something – and often, they’ve come up with an answer within the same hour.”

Craig is a consistent user of Armada® fungicide, Celsius® postemergence herbicide and Topchoice® insecticide. His trust in Armada began years ago.

“We saw dramatic changes in the quality of turfgrass after using Armada,” Craig said. “It was taking care of large patch right off the bat and gave us flexibility. We go out with Armada on the assumption that we can spray for large patch, and we’re not going to have to come back for 28 days to check on it.”

In his experience, Celsius offers a similar benefit for their summer weed control program. According to Craig, Turfmaster used to only apply postemergence herbicides in the winter, because there was no product they could put down in the summer that was “halfway decent.”

“We were telling people, ‘sorry ma’am, we can’t spray your lawn. It’s too hot,’” Craig said. “It’s been great having Celsius available to us, and it just seems to do the best job out there of the herbicides we use.”

He is particularly impressed with Topchoice – which is guaranteed* to control fire ants for up to one year with a single application.

“Topchoice has been very good to us. When I get a complaint, my first thought isn’t about the product... it’s that the technician didn’t do the application right,” Craig said. “We’re putting down approximately 2.5 tons of Topchoice a year. That’s a lot of acreage... when you do it correctly, the callbacks on it are very, very minimal.”

From Zach’s perspective, these kinds of results – and relationships – are exactly what Bayer is dedicated to delivering.

“My job is to work hand-in-hand with customers to provide them with the solutions they need for their businesses to be successful,” Zach said. “It’s not just the products. It’s the service, too.”

Craig would agree.

“Bayer has been very, very good to us. They stand behind their products, and they’re there for us,” Craig said. “And when it comes to our customers, communication is big – saying, ‘hey, this is what we did, this is what to expect, make sure to water this in and watch out for the coming dry spell.’”

Open communication and mutual trust are critical components to any relationship.

In Craig’s words, “That’s the history of Turfmaster Lawn Services.”

“Bayer has been very, very good to us. They stand behind their products, and they’re there for us.”

– Craig Devereaux



By the Numbers

Turfmaster

Founded: 1991
Sarasota, Florida

15
Lawn routes

Over 5,000
Customers

25
Employees

90%
Residential customers

27
Years in business

Bayer

Founded: 1863
Barmen, Germany

20
Dedicated area sales managers

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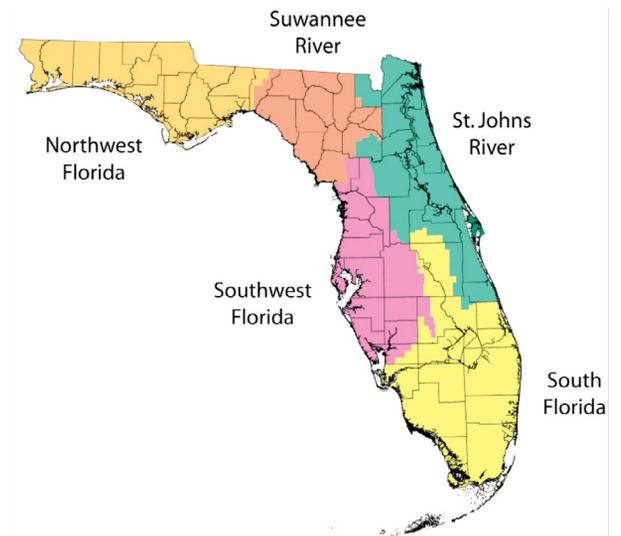
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FLORIDA WATER MANAGEMENT DISTRICTS



FLORIDA'S FIVE WATER MANAGEMENT DISTRICTS are charged with overseeing the water supply, water quality, flood protection and floodplain management, and natural systems. Regulations control water consumption, well construction and environmental resource permitting. To find your water management district, look for your county below and visit its website for news and more information.

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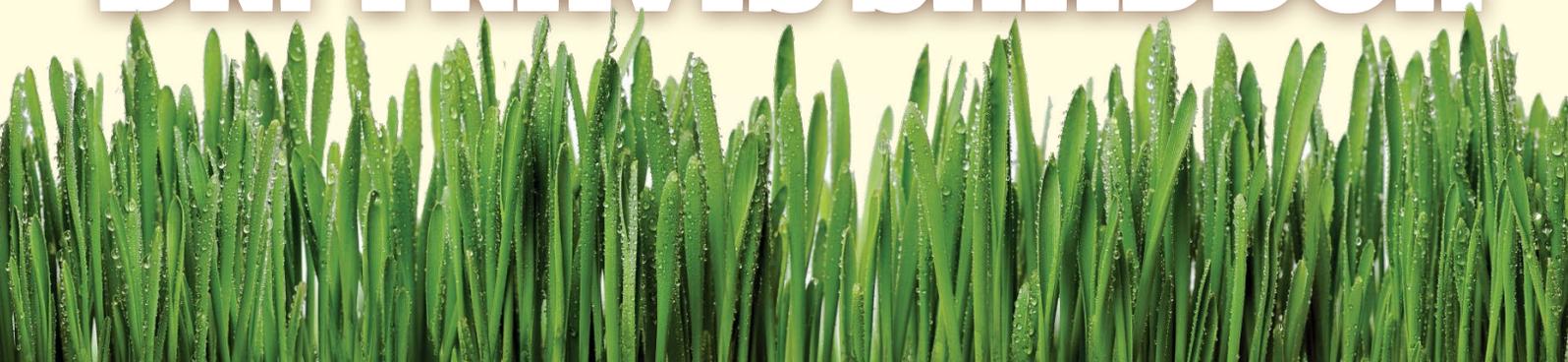
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CATCHING UP WITH...

DR. TRAVIS SHADDOX



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The University of Florida leads the way in evidence-based turfgrass management, and Dr. Travis Shaddox has played a role in the transition to this medically based model. He may be relatively new to the University of Florida horticulture faculty, but he's a disruptor, one who thinks outside the box if he even acknowledges there is a box. That's the kind of change that disruptors such as Bill Gates and Elon Musk have brought to their respective fields—monumental changes that affect our everyday world.

FTGA: *What, exactly, is evidence-based science, and how did it come to turfgrass management?*

Dr. Shaddox: My wife is an oral surgeon, and one night at dinner, we were talking about evidence-based medicine. In order to remain accredited to issue dental licenses, the University of Florida College of Dentistry is required to follow an evidence-based model. That's when the light bulb went off, and I thought, "Why couldn't we apply an evidence-based approach to turfgrass management?"

Evidence-based practices are based on solid science and pre-defined guidelines. They rely upon a sequence of agreed-upon protocols that are the standard of care in the medical world. The model is built upon a three-legged stool consisting of 1) the best-available evidence, 2) clinical (field) experience and 3) the end user's preference.

Perhaps the concept is more easily understood using a medical example. If a patient has cancer, multiple treatments may be available. Suppose chemotherapy is the top choice,

but the patient adamantly opposes it. Then, the doctor moves down the list of accepted treatments until the patient (end user) settles on one of them.

The same applies in turfgrass science. By choosing an evidence-based solution that is practical and cost-effective for the end user instead of imposing only the best available solution, you still achieve results, and the customer (end user) is happy.

In the past few years, the University of Florida has become one of the leaders in evidence-based turfgrass management, and the model makes sense. It still leads to a science-based solution, but it has the added benefit of customer satisfaction. It is a win/win.

FTGA: *What emerging trends do you see in turfgrass nutrients, trends that have emerged since the Urban Warm-Season Turfgrass Fertilization and Irrigation Best Management Practices to Minimize Nutrient Leaching Project?*

Dr. Shaddox: We see a few trends forming. Some are still in the formative stages and are not conclusive.

For years, we have investigated potential negative consequences of turfgrass in our landscapes and the overwhelming amount of evidence indicates that healthy turfgrass managed according to the University of Florida, Institute of Food and Agricultural Sciences (UF/IFAS) recommendations results in little to no environmental risk. Moving forward, UF/IFAS research will be investigating the benefits that turfgrass provides to our landscapes. For

example, when comparing fallow plots (soil with no turfgrass) to plots with fertilized turfgrass, we might expect more N and P leaching to occur from the fertilized, turfgrass plots. We initiated a study last year and, preliminarily, we are finding that fertilized turfgrass is resulting in less N and P leaching than that which occurs from bare soil. In other words, fertilized turfgrass is leaching less N and P than that which occurs naturally.

Other studies are underway on Bermudagrass to determine the minimum level of N required to achieve acceptable results—not optimal results, but acceptable results. For example, a championship golf course and a residential lawn don't have the same aesthetic requirements, so the minimum acceptable level of fertilization differs. Furthermore, seasonal requirements may vary, and poor soil vs. good soil would also factor in when assessing minimum acceptable standards.

Lastly, soil and tissue testing are going to drastically change in the near future. Currently, soil test interpretations are not based upon turfgrass response to applied elements and, therefore, using soil tests to manage nutrient applications to turfgrass is essentially useless (except when adjusting pH or remediating Na or bicarbonate effected soils). I know that may not sit well with some people, but UF/IFAS is not the only institution making this statement and the movement within the scientific community is growing. The direction that science is leading us is to determine the minimum amount of nutrients in the soil that also results in acceptable turfgrass. Turfgrass managers should attempt to maintain

soil nutrients slightly above that level. This level has been referred to as sufficiency level of available nutrients or, more recently, the minimum levels of sustainable nutrition.

The concept of maintaining nutrients above a minimum threshold brings me to my last topic—tissue testing. An exciting development is a new tissue testing method that only UF is using. It involves the development of reference ranges, again a medical reference that uses the exact same methodology to determine the nutritional ranges of healthy human beings. As one approaches the lower percentile of a healthy population, that variable becomes concerning. By sampling 'Palmetto' St. Augustinegrass thousands of times, we have developed

a reference range that we know came from healthy turfgrass. In other words, we know that no additional nutrients are required. When comparing the reference range to existing ranges in textbooks, many nutrients are lower, much lower than all other currently acceptable recommendations.



Finally, the *Florida Turf Digest* wishes to announce that Dr. Travis Shaddox has accepted a research and

extension position at the University of Kentucky. He begins his new post July 1. We extend best wishes in his new position.



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Wildlife Photo Feature

Olde Florida Golf Club, where the deer roam freely on the driving range.

Photo courtesy of Darren Davis, CGCS.



WELCOME NEW MEMBERS!

We extend a hearty welcome to our new members, and we look forward to seeing you at one the FTGA events. In the meantime, we hope you enjoy the Florida Turf Digest and other member benefits.

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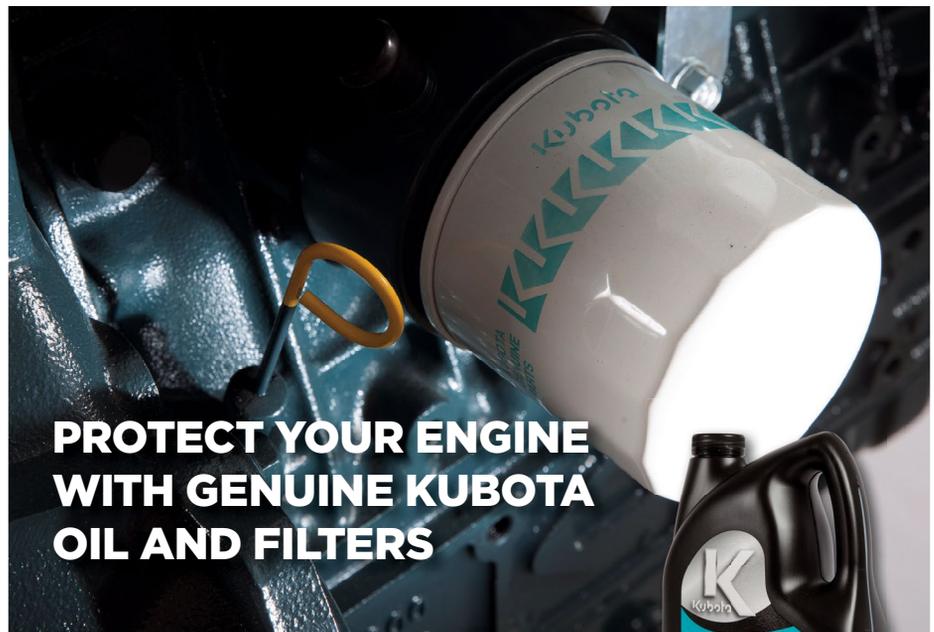
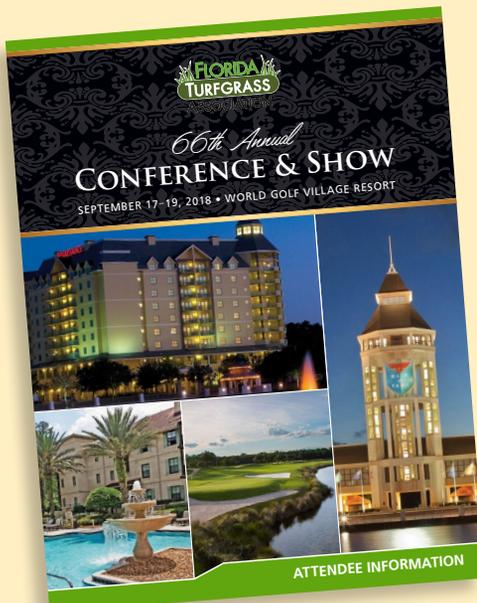
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The University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) and the FTGA will present the CEU Round-Up July 25, 2018, from 8:30 a.m. – 4:00 p.m. EDT at multiple locations across the state. For industry professionals looking for the simplest way to earn *hard-to-attain* CEUs, the Round-Up offers attendees the opportunity to earn up to six CEUs across 14 different license categories. 14 different license categories, FNGLA and GCSAA CEUs.

The event will be simulcast from the University of Florida, Gainesville to IFAS Extension offices across the state.

IFAS/FTGA CEU ROUND-UP 2018

Agenda and Courses

TIME (EDT)	TOPIC	SPEAKER
8:30–9:00	Registration and introduction	
9:00–9:50	Water: The Smallest Factor that Makes the Greatest Difference	Dr. Fred Fishel
10:00–10:50	Biological Control of Cogongrass: Progress & Perspectives	Dr. Jim Cuda
11:00–11:50	Pesticide Spill Management & Cleanup	Mr. Paul Mitola
11:50– 1:00	Lunch (provided)	
1:00–1:50	IPM in Aquatics, Natural Areas & Right of Way	Dr. Lyn Gettys
2:00–2:50	Old World Climbing Fern Management: New Tools to Tackle This Troublesome Fern	Dr. Stephen Enloe
3:00–3:50	Invasive Pathways for Invasive Aquatic Species: Case Studies From Florida	Dr. Lyn Gettys
3:50–4:00	Closing and CEU Distribution	

CATEGORY	AVAILABLE CEUS
Limited Lawn & Ornamental	1
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487 CORE	2
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Ag Tree Crop Pest Control	3
Aquatic Pest Control	4
Demonstration & Research	4
482 CORE	2
Natural Areas Weed Mgmt.	4
Ornamental & Turf Pest Control	3
Regulatory Pest Control	4
Right-of-Way Pest Control	2
Maximum Approved FDACS CEUs	6





REGISTRATION

Register early to take advantage of the lower-cost, pre-registration prices (see below). **Note:** Pre-registration ends Friday, July 20, 2018. Beginning Saturday, July 21, 2018, on-site charges apply.

Visit the FTGA website at www.ftga.org to download a list of participating locations, or contact your local Extension Office and ask them to offer the CEU Round-Up 2018.

To register online or download additional registration forms, visit www.ftga.org. To register by fax, fill out the form at the end of the article and fax it to (863) 688-9610 or scan it and email it to Marcia@FTGA.org.

Note: off-site registration closes July 20, 2018, and on-site pricing applies beginning July 21, 2018.

- **UF/IFAS Employees:** \$15.00 pre-registration | \$25.00 on-site
- **Municipal Employees:** \$30.00 pre-registration | \$45.00 on-site
- **Industry Professionals:** \$50.00 pre-registration | \$75.00 on-site

CANCELLATIONS

Cancellations must be made 10 business days prior to event (by July 15) and are subjected to a 25% cancellation fee. Cancellations made less than **nine** calendar days (July 16) prior to the event will not be provided a refund; only employee substitutions will be granted. Refunds will not be granted for **not** attending.

CEU ROUND-UP LOCATIONS

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2728 East 14th St. | Panama City

Charlotte County

25550 Harbor View Rd., #3 | Port Charlotte

Collier County

2800 N Horseshoe Dr., Rooms 609-610 | Naples

Hillsborough County

5339 County Rd. | Seffner

Holmes County

1169 East Hwy. 90 | Bonifay

Indian River County

IRC Administration Bldg. B
1800 27th St., Room B-501 | Vero Beach

Indian River Research & Education

2199 South Rock Rd. | Ft. Pierce

Jackson County

2741 Pennsylvania Ave., #3 | Marianna

Jay Community Center

5259 Booker Ln. | Jay

Lake County

1951 Woodlea Rd. | Tavares

Leon County Public Works Dept.

1st Floor Gathering Room
2280 Miccosukee Rd. | Tallahassee

Manatee County

1303 17th St. West | Palmetto

Marion County

2232 NE Jacksonville Rd. | Ocala

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Exhibit Hall A
559 N Military Trail | West Palm Beach

Plant Science Research & Education Cntr

2556 W Hwy 318 | Citra

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732 N 9th St. | DeFuniak Springs

REGISTRATION FORM ON PAGE 28

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MUNICIPAL EMPLOYEES

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INDUSTRY PROFESSIONAL

\$50 pre-registration | \$75 on-site

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CONTACT INFORMATION

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EMAIL Marcia@FTGA.org

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