



# This is MY Conference and Show

2014 CONFERENCE AND TRADE SHOW

NOVEMBER 17-19, 2014  
MYRTLE BEACH CONVENTION CENTER  
MYRTLE BEACH, SOUTH CAROLINA



**CAROLINAS**  
GOLF COURSE SUPERINTENDENTS ASSOCIATION



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# 2014 CONFERENCE AND TRADE SHOW PROGRAM



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## DEAR MEMBERS,

Every year our association produces a membership directory which is full of important contacts, information about your association and links to vendors which are a vital partner to our industry. What may go unnoticed are also the purposes of our association.

### Those purposes are:

- First and foremost to provide educational opportunities for the continual advancement of the profession of the Golf Course Superintendents in the Carolinas.
- To promote and disseminate research and knowledge relating to golf course management and turfgrass operations.
- To promote the image of the Golf Course Superintendent.
- To encourage cooperation among allied associations and organizations whose interests parallel or complement those of this association.
- To promote benevolence for the association's members.



W. Brian Powell, CGCS

To fulfill these purposes we will meet again for the 52nd year between November 17-19 in Myrtle Beach South Carolina at the Myrtle Beach Convention Center for our annual conference and show.

### A quick inventory of what this year's Conference and Show offers, provides insight to an even larger and more diverse show than ever before:

- 1,300 Seats for Educational Seminars expected to fill up for over 25 Seminars
- 15 New Seminars Offered for the First Time at this Conference
- 34 Conference Speakers and Instructors
- 3 Panel Discussions by Various Industry Leaders
- 385 Trade Show Booths on Display Showcasing the Latest Innovations in Golf Course Management
- Presentation of the 2014 Distinguished Service Award
- Golf Championship at Barefoot Resort
- Sporting Clays at Backwoods Quail Club
- Carolinas Night at The Beach at Revolutions and Crocodile Rocks
- 27-Hole Challenge and \$5,000 Prize

I hope you will join myself and over 2,000 attendees at this year's Conference as we add to our expertise, network, see old friends, and examine the latest in technological innovation our industry has to offer the field of golf course management.

W. Brian Powell, CGCS  
Carolinas GCSA President

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# SUMMARY OF CONFERENCE AND SHOW EVENTS



## MONDAY, NOVEMBER 17, 2014

Golf Championship at Barefoot Resort .....	11 a.m. Shotgun Start
Reception immediately following golf at the clubhouse .....	3 p.m. – 5 p.m.
Sporting Clay Event, Back Woods Quail Club, Georgetown, SC .....	12:00 noon – 3 p.m.

### Seminars \* ..... 12:30 p.m. – 4 p.m.

- Developing Comprehensive Herbicide Programs for Weed Management
- Dealing with Bugs & Crud Affecting Cool-Season Turfgrass Golf Courses
- Understanding Turfgrass Fungicides
- Management Of Ultradwarf Bermudagrass Greens
- Timely Management of Turfgrass & Ornamental Plants
- Beyond the Traditional Fertility Programs

Registration, Hall of Fame .....	11 a.m. – 6 p.m.
Exhibitor Move-In for Large Equipment .....	6 p.m. – 9 p.m.

## TUESDAY, NOVEMBER 18, 2014

Exhibitor Move-In.....	7 a.m. – 2:30 p.m.
Registration, Hall of Fame .....	7 a.m. – 6:30 p.m.

### Morning Seminars\* ..... 8 a.m. – 11:30 a.m.

- The Search for Agronomy's Holy Grail II
- Winter Management of Ultradwarf Bermudagrass Putting Greens
- Understanding Factors That Affect Pesticide Fate & Behavior
- Making Accurate Pesticide Applications
- Assistant Supts.: Improve Your Chances of Making the Step to Superintendent
- IPM Strategies for the New Warm-Season Cultivars
- Maintaining Tree Health & Managing Tree Risk on the Golf Course
- Advanced Turfgrass Water Quality
- Golf Course Drainage Issues: Problems, Solutions and Impact on Turfgrass Health

### Afternoon Seminars\* ..... 12:30 p.m. – 4 p.m.

- The Straight Truth on Bentgrass
- Dealing with Bugs & Crud Affecting Warm-Season Turfgrass Golf Courses
- Nutrition Intuition
- Turfgrass Microbiology
- Integrated Pest Management of Nematodes on Golf Course Turf
- Communicating for Success: Social Media and Beyond
- Aquatic Plant Management for Golf Course Waterbodies
- NCSU Pesticide Product Recommendations for Golf Courses
- Today's Superintendent: The Most Valuable Member of the Management Team
- A Plan Based Budget will Help You Succeed

Seminar Luncheon, Ballroom DE .....	11:30 a.m. – 12:30 p.m.
Carolinas GCSA Student Chapter Turf Bowl, Ballroom D .....	2 p.m. – 4 p.m.
Trade Show Open .....	4 p.m. – 7 p.m.
Carolinas Night at the Beach, Revolutions & Crocodile Rocks .....	7 p.m. – 10 p.m.

## WEDNESDAY, NOVEMBER 19, 2014

Registration, Hall of Fame .....	7 a.m. – 2:30 p.m.
Fellowship Breakfast, Ballroom D .....	7 a.m. – 8 a.m.
General Education Session, Ballroom E .....	8 a.m. – 9:15 a.m.
DSA Presentation, Ballroom E.....	9:15 a.m. – 9:30 a.m.
Annual Business Meeting, Ballroom E .....	9:30 a.m. – 10 a.m.
Trade Show Open .....	10 a.m. – 2:30 p.m.
Skin Cancer Screenings, Booth # 3701 .....	10:30 a.m. – 2:30 p.m.
Buffet Luncheon in Exhibit Hall.....	11:15 a.m. – 1:45 p.m.
27-Hole Challenge Prize Giveaway in Exhibit Hall.....	2:00 p.m.
Exhibitor Tear Down .....	2:30 p.m. – 12 a.m.
General Education Session, Ballroom E .....	2:30 p.m. – 5:00 p.m.

\*All seminar locations will be posted at the registration area.

# CORPORATE PARTNERS

<p>MONDAY GOLF CHAMPIONSHIP</p>	 <p>Smith Turf &amp; Irrigation TORO Golf Championship</p>	<p>WEDNESDAY FELLOWSHIP BREAKFAST</p>	  <p>CORBIN TURF &amp; ORNAMENTAL SUPPLY, INC.</p> <p>NEWLIFE Turf</p>	<p>27-HOLE CHALLENGE</p>	 <p>JOHN DEERE GOLF</p> <p>Revels Turf &amp; Tractor Greenville Turf &amp; Tractor ShowTurf</p>
<p>MONDAY AND TUESDAY SEMINAR EDUCATION</p>	 <p>syngenta</p>	<p>STUDENT TURF BOWL</p>	 <p>PRECISION LABORATORIES Results. Expect it!</p>	<p>SEMINAR REFRESHMENT BREAKS</p>	 <p>Harrell's Growing a Better World®</p>
<p>SPORTING CLAY EVENT</p>	 <p>Bayer</p>  <p>CAROLINA FRESH FARMS</p>	<p>DSA DINNER</p>	 <p>Shaw's SINCE 1950</p> <p>Knox Fertilizer Company</p>  <p>J&amp;M J.K. Morro, Inc. Soil Amendments and Liquid Fertilizer P</p>	<p>MBCC PARKING SPONSOR</p>	  <p>CARDINAL CHEMICALS Turf &amp; Ornamental</p> <p>CAROLINA FRESH FARMS</p>
<p>TUESDAY SEMINAR LUNCHEON</p>	 <p>GOLF AGRONOMICS</p>  <p>QUALI-PRO</p>	<p>WEDNESDAY GENERAL SESSION AND ON SITE COMMUNICATIONS</p>	 <p>Radics FOR GOLF</p>  <p>Vertex Standard Authorized Dealer</p>	<p>WELCOMING SPONSOR</p>	  <p>Bayer</p> <p>Green Resource</p>
<p>EXHIBIT HALL PLANT DESIGNS</p>	 <p>McPHERSONS GREENHOUSES</p>	<p>WEDNESDAY BUFFET LUNCHEON</p>	 <p>COASTAL FLORATINE INC.</p>  <p>ArmorTech</p>	<p>TECHNOLOGY STATION</p>	 <p>SUNBELT RENTALS</p>  <p>modern turf</p>  <p>Nufarm</p>
<p>TUESDAY CAROLINAS NIGHT AT THE BEACH</p>	 <p>TSP Rain Bird</p>	<p>CONFERENCE E-NEWSLETTER</p>	 <p>GOLF COURSE INDUSTRY</p>		
<p>TRASH CAN WRAPS</p>	<p>VANDEMARKSOD.com</p>				

# CONFERENCE AND SHOW GOLF CHAMPIONSHIP

Monday, November 17, 2014



## Barefoot RESORT & GOLF



### LOVE COURSE

The Love Course at Barefoot Resort is a traditional course with a Lowcountry character and incorporates Davis Love, III's Carolina golfing experiences in the design. This visually striking course features course generous landing areas and greens complexes similar to those found on Pinehurst #2 at the 1999 U.S. Open. The Love Course is a Par 72 and plays over 7,000 yards. The course will challenge the good player, yet provide playability and enjoyment for the average player.

Tee and fairways consist of GN-1, which is a hybrid turf developed by Greg Norman Turf. The approach areas consist of Tif-sport Bermuda grass. The greens surfaces are newly acquired Champion UltraDwarf and the rough areas are 419 Bermuda grass.

### NORMAN COURSE

Seven holes along the Intracoastal Waterway highlight the Norman course. Framed by the site's original vegetation, each hole enhances the beauty of its natural vistas. Combined with open green complexes and fairways running up to the sand, the Norman course presents a stunning challenge for any golfer. Norman's philosophy here is to bring into play the "bump and run" shots around the greens. Tees and fairways consist of GN-1, which is hybrid turf developed by Greg Norman Turf. The approach areas are TifDwarf and greens surfaces consist of Champion UltraDwarf Grass.

### FAZIO COURSE

Like many European courses, the Fazio course does not return to the clubhouse after nine holes. Still it is not a British linksland course, but rather a classic Lowcountry course, filled with live oaks, pines, sand, natural areas and native grasses. Waste areas and formal bunkers provide visual and strategic effect, while natural elevation changes add drama and excitement. Water features can be seen on 15 holes, yet many lakes are in out-of-play areas to ensure playability. Tees and Fairways are covered with GN-1 and approaches are TifSport Bermudagrass. Greens are Champion UltraDwarf Grass and the roughs are 419 Bermudagrass.

- 2012 "Top 15 Best You Can Play in SC" (#11) - Golfweek
- 2012 "SC Top 50 Golf Course-Grand Strand" (#16) - SC Golf Course Ratings Panel

## AWARDS AND RECEPTION

immediately following at Barefoot Resort Clubhouse

All golf championship participants are welcome to attend the STI reception following golf at: **Barefoot Resort Clubhouse**  
4980 Barefoot Resort Bridge Rd  
North Myrtle Beach, SC 29582



# GOLF CHAMPIONSHIP INFORMATION

Monday, November 17, 2014



## CONFERENCE AND SHOW GOLF CHAMPIONSHIP

In Partnership with



Golf Championship

Tee Gift Provided by: Smith Turf & Irrigation  
The Toro Company and Carolinas GCSA  
Logeod Umbrella and Portable Charger



Closest to the Hole:  
1 iPad per course

Longest Drive:  
1 iPad per course



### Hole in One

- Club Car Carryall 500 utility vehicle (1 per course) – Designated to winning individuals home course/club
- Class A, AA, SM, & C Members Only

### Championship Flights (Medal Play Only) Winner

- Closest to hole wins use of Club Car Carryall 500 utility vehicle for one year
- YETI™ Cooler
- Class A, AA, SM & C Members Only

### HOSTS:

**Barefoot Resort:** John Hughes,  
Director of Golf Course Maintenance

**Love Course:** Shane Carrick & Alan Lucas  
Golf Course Superintendents

**Norman Course:** Shane Carrick,  
Golf Course Superintendent

**Fazio Course:** Alan Lucas, Golf Course Superintendent

## MONDAY GOLF SCHEDULE

### 10 a.m. – 11 a.m. CHECK- IN

All golfers must check in at the Carolinas GCSA Registration Desk at Barefoot Resort prior to the shotgun start.

### 11 a.m. SHOTGUN START

### 4 p.m. – 6 p.m. AWARDS AND RECEPTION

Presentation immediately following golf at Barefoot Resort Clubhouse

## CHAMPIONSHIP FLIGHT A & B - MEDAL PLAY TOURNAMENT

- 1st, 2nd, 3rd place Gross & Net
- Overall Gross
- Carolinas GCSA Superintendent Member Champion

Overall Gross Carolinas GCSA Affiliate Member Champion

*(Limited to first 100 entries for purpose of flighting and speed of play)*

## SENIOR DIVISION (AGE 50 AND UP) - MEDAL PLAY ONLY

- 1st Place Gross & Net
- Will play in senior flight from senior tees

## FOUR BALL FLIGHTS A & B

- Two Person Team Event
- Number of flights based on number of entries  
*(Limited to first 50 team entries)*
- 1st, 2nd, 3rd Place Gross & Net

## CAPTAIN'S CHOICE FLIGHTS A & B

- Four Person Captains Choice Team Event  
*(Limited to first 50 paired entries)*
- 1st Place Gross & Net

# GOLF CHAMPIONSHIP GENERAL RULES



## ELIGIBILITY

Players must be registered to attend or participate in the Carolinas Golf Course Superintendents Conference & Show. Superintendents and affiliates will play in mixed foursomes. Contestants will select to play in Medal Play, Senior Medal Play, Four Ball\*, or Captains Choice\*\* Division.

*\*Four Ball teams sign up with one partner on registration form. If you would like to play in four ball, and do not have a partner, the Carolinas GCSA will assign a partner.*

*\*\*Captain's Choice teams may sign up with ONE partner on the registration form. If you would like to play Captain's Choice, you do NOT have to sign up with a partner, this is just an option.*

## TOURNAMENT FORMATS

### MEDAL PLAY

- This is a stroke play individual 18-hole golf event.
- Each contestant will play his or her own ball out on each hole and report their score.
- There will be two flights divided by handicap once field is set.

### SENIOR MEDAL PLAY

This is identical to the Medal Play with these exceptions: Only contestants over age 50 are eligible; only 1st place gross and net will be awarded in this flight.

### FOUR BALL

- This is a two person team event.
- Both players will complete the hole and then select the better of their scores to report for their score on each of the 18 holes..
- There will be two flights divided by combined team handicap once field is set.
- Each team will play alongside another team selected by the Carolinas GCSA.

### CAPTAIN'S CHOICE

- This is a four person team event.
- Two contestants will be allowed to register together, and your other two players will be paired with you by the Carolinas GCSA.
- All four players will execute their desired shot from the teeing ground, then select the best respective shot, and repeat that process until the ball is holed.
- Only one team score per hole will be counted.
- There will be two flights divided by combined team handicap once field is set.

**LOCATION:** The Tournament will be played at Barefoot Resort - Love Course, Norman Course & Fazio Course.

**GOLF ENTRY FEE:** Member - \$110 by October 19, \$135 after October 19. Non-member - \$135 by October 19, \$150 after October 19. (Per Player) Entry fee includes green fee, cart fee, prizes and reception.

**ENTRY DEADLINE:** First 300 players will be accepted. No entries will be accepted after the first 300 players or November 3, 2014, no exceptions.

**CANCELLATION POLICY:** The Carolinas GCSA must be notified of any cancellations by Monday, November 10, 2014 in order to receive a refund

## GOLF CHAMPIONSHIP COMMITTEE

- Rob Daniel, CGCS, River Towne Country Club, Mt. Pleasant, SC - Chairman
- Drew Ramsey, Cutter Creek Golf Club, Snow Hill, NC
- Scott Kennon, CGCS, Myers Park Country Club, Charlotte, NC

Any questions should be directed to Rob Daniel at 843-442-7514; or Tim Kreger, Executive Director, Carolinas GCSA at 800-476-4272.



## MICHAEL K. FABRIZIO, CGCS



Life's turning points aren't always signposted. No one could have predicted nearly 40 years in golf was ahead when he followed a high school girlfriend from Virginia to North Carolina in 1976. Her father, Bud Nelson, had taken a new job as general manager at Connestee Falls Golf Club in Brevard. Fabrizio even helped them

move. But by the time he crossed back over the VA border, he thought he'd seen the last of the family. Then his girlfriend called to say her dad could get him a job at the country club.

At the time, the future was a vague concept for the teenaged Fabrizio. As a senior, he was working part-time as an assistant foreman for Doubleday Publications earning \$7.50 an hour. That was decent money for a kid back then. The bump to \$9 an hour he was looking at on graduation was better still. Beyond that, he really had no clear plans. So even though the offer of work as a cart attendant would only pay \$2.10 an hour, there were the fringe benefits of remaining a boyfriend, so he said yes.

This summer, the Carolinas GCSA bestowed its highest honor, the Distinguished Service Award, on the man that kid-with-a-crush became - Mike Fabrizio, CGCS director of grounds and golf course maintenance for two courses at Daniel Island Club in Charleston, SC. "I am extremely humbled and honored," Fabrizio says. "The award caught me completely off guard. I guess it means I'm an old fart now!"

At 56, that's subjective. What's not in doubt is Fabrizio's worthiness. The caliber of his service over 15 years on the board of directors across two-terms, including one that saw him become president in 1994, played a significant role in the fact that today the Carolinas GCSA boasts 1,800 members and an annual operating budget close to \$1.2 million.

It was when he was president that the association made one of the most ambitious decisions in its history. Conference and Trade Show was beginning to outgrow the confines of

the hotel venues in Myrtle Beach including the Hilton and the old Radisson. The Myrtle Beach Convention Center was the logical next step but the Landscape Expo held that territory with a non-compete clause. In fact, the landscapers wanted the superintendents to come on board to make an all-inclusive show.

"But we wanted our event to remain golf course maintenance only and the only way we could see to do that and still continue to grow was to take them on head-on," Fabrizio says. "So we changed the dates of our show to be in direct competition and by the third year they were gone." The Carolinas GCSA Conference and Trade Show is now the largest regional event of its kind in the country.

During his second term, the board successfully negotiated a smooth transition between the association's first full-time executive director, Chuck Borman, and current leader, Tim Kreger. Successions are often fraught with difficulty but with the clear and open collaboration of all parties, Borman mentored his successor and today remains in a part-time role as finance officer.

Along the way and since, Fabrizio has established a peerless reputation as a manager of golf course terrain and the people who prepare it for play each day. He oversaw new course constructions with some of the biggest names in golf course design - Jack Nicklaus, Tom Fazio, Rees Jones, Arthur Hills. He also worked with and was close friends with another in the late Mike Strantz.

The list of those who have worked for Fabrizio who later became superintendents or went on to successful green industry careers runs into the dozens. He has been instrumental in Daniel Island Club, one of the most prestigious in the region and a three-time host of the now Web.com Tour Championship for three years, playing host to multiple Carolinas GCSA events since opening in 2000. He served on several committees for the Golf Course Superintendents Association of America in the '80s and '90s.

"I never had the privilege to work for Mike but I have had the privilege of working in the same area as him," says Carolinas GCSA director, Rob Daniel, CGCS who made the formal nomination. "The consensus amongst a lot of guys in this area is that none of us would be where we are in our careers without his help or influence."

Mike Fabrizio will receive the Distinguished Service Award at this year's Conference and Trade Show in Myrtle Beach and later will be special guest of honor at a dinner for all previous winners of the award.

# MORNING SEMINARS AND GENERAL ACTIVITIES

Monday, November 17, 2014



## SPORTING CLAY EVENT

12 noon - 3:30 p.m. **Registration Required**



8 a.m. ....**CLUB OPENS FOR PRACTICE**

11:15 a.m. - 12 noon ...**REGISTRATION**

12 noon - 1 p.m. ....**LUNCH**

1 p.m. - 3 p.m. ....**EVENT**

3 p.m. - 3:30 p.m. ....**AWARDS & PRIZES**

In Partnership with Bayer Crop Science, LP and Carolina Fresh Farms the Carolinas GCSA is pleased to offer sporting clays, the fastest growing shotgun sport in the U.S., at Back Woods Quail Club, Georgetown, SC.



**LOCATION:** Back Woods Quail Club, 647 Hemmingway Lane, Georgetown, SC 29440 Situated just off SC 51 south at the intersection of SC 24 and SC 41/51, Georgetown, SC (Approx. 1 hour from the Myrtle Beach Convention Center).

Back Woods offers 2 ten station sporting clay courses, skeet fields, two five stands and a make or break game. Visit the website at [www.backwoodsquailclub.com](http://www.backwoodsquailclub.com) or call the club at 843-546-1466 for more information.

**REGISTRATION FEE:** \$50 Includes 100 target sporting clay event; lunch and prizes. Pre-registration is required. Limited to 70 shooters.

**ELIGIBILITY:** Shooters must be registered to attend or participate in the Carolinas Golf Course Superintendents Association Conference & Show.

**GENERAL RULES:** Shooters must provide their own ammunition and hearing and eye protection (standard ear plugs and safety glasses). Ammunition, hearing and eye protection are available for purchase at the gun club. For safety reasons, no shot larger than 7 1/2 can be used at the gun club. Back Woods Quail Club will provide gun rental for those who need one.

**DIRECTIONS:** Driving directions will be provided in your confirmation letter upon registration.

**ENTRY DEADLINE:** Pre-registrations must be received by Monday, November 3, 2014.

**CANCELLATION POLICY:** The Carolinas GCSA must be notified of any cancellations by Monday, November 10, 2014 in order to receive a refund.

## OTHER ACTIVITIES

11 a.m. - 6 p.m.

### REGISTRATION FOR EARLY ARRIVALS

The Myrtle Beach Convention Center - Hall of Fame

12 noon - 3:30 p.m.

### SPORTING CLAY EVENT

Backwoods Quail Club, Georgetown, SC

3 p.m. - 5 p.m.

### AWARDS & RECEPTION

Barefoot Resort Clubhouse, North Myrtle Beach, SC

6 p.m. - 9 p.m.

### EXHIBITOR MOVE-IN FOR LARGE EQUIPMENT

## MONDAY SEMINARS

12:30 p.m. - 4 p.m.

### **A**01 Developing Comprehensive Herbicide Programs for Weed Management

**Fred H. Yelverton, Ph.D.**, Professor of Crop Science, NC State University  
**Travis Gannon, Ph.D.**, Assistant Professor of Crop Science, NC State University

Effective weed management is a continuous challenge for golf course superintendents. This seminar will include contemporary as well as traditional approaches to develop comprehensive programs for common and troublesome weeds on the golf course. This seminar will also focus on new herbicides and devising comprehensive weed management plans.

**GCSAA Ed Points: .30**

**PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

**E** Entry **I** Intermediate **A** Advanced

## **I** 02 Dealing with Bugs & Crud Affecting **NEW** Cool-Season Turfgrass Golf Courses

**Rick Brandenburg, Ph.D.**, Turfgrass Entomologist, NC State University  
**Jim Kerns, Ph.D.**, Turfgrass Plant Pathologist, NC State University

This half-day course will address the site specific problems associated with insect and disease management on cool-season grasses. Cost effective strategies to manage these pests change rapidly as new turf cultivars and cultural management strategies are employed, new pest problems emerge, and new products are registered. This course focuses on rapidly bringing turf managers up to speed on the latest pest information, new concepts for pest management, and the adoption and use of new pesticides. Included in the course will be identification and diagnosis of traditional insect and disease problems as well as new and emerging pest problems, discussions of the impact of environmental and cultural practices on pest abundance, and concepts for the development and use integrated pest management strategies.

 **GCSAA Ed Points: .30**  **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **E** 03 Understanding Turfgrass Fungicides

**Rick Latin, Ph.D.**, Professor of Turfgrass Pathology, Purdue University

This seminar deals with how and why fungicides work (or why, in some cases, they do not work). We will discuss how fungicides move within turf plants, how different fungicides target pathogenic fungi, and how disease pressure influences fungicide performance. Other topics include fungicide resistance and depletion of fungicides from turf. For each topic, we will review current research and discuss why this is important in terms fungicide selection and application scheduling. Although most turf fungicide research involves cool season grasses, concepts also apply to chemical control of diseases on bermudagrass. We will use real world examples to address the principles of fungicide action. The idea is that if you understand how and why fungicides work, then you will be able to make disease control decisions from a more informed perspective. Furthermore, I believe a more comprehensive knowledge of fungicides will help prepare you to communicate disease control issues with golf patrons, greens committees, and the general public. This is not a review of the efficacy of all fungicides against turf diseases, but specific concerns can be addressed in the general discussion. I use a novel presentation technology that facilitates discussion of important topics and allows all of us to interact (anonymously).

 **GCSAA Ed Points: .30**  **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **A** 04 Management of Ultradwarf Bermudagrass Greens

**Bruce Martin, Ph.D.**, Professor of Turfgrass Pathology, Clemson University  
**Bert McCarty, Ph.D.**, Professor of Turfgrass Science, Clemson University

This seminar will involve the participants in a discussion and presentation of ultradwarf bermudagrass greens management from a historical point of view to modern methods of management. Successes and failures will be discussed and participants will be provided with research based guidelines as well as experience-based suggestions for management of the greens and their disease and nematode pests.

 **GCSAA Ed Points: .30**  **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-2.5 hrs. GA-1 hrs. TN-3 hrs.

## **I** 05 Timely Management of Turfgrass & Ornamental Plants

**JC Chong, Ph.D.**, Associate Professor of Entomology, Clemson University

For many superintendents, one of their ever expanding responsibilities is to manage pest problems on landscape ornamental plants around the course. This workshop aims to provide attendees with information on the identification, life history and management of common insect and mite pests of landscape ornamental plants, on fairways and on greens. These pests include scale insects, caterpillars, lace bug, kudzu bug, ground-nesting bees and wasps, mites and other miscellaneous pests. The attendees will learn about proper identification of infestation or symptoms, life history events that are important to management, and the latest management cultural and insecticide approach that could save time, labor and money.

 **GCSAA Ed Points: .30**  **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **A** 06 Beyond the Traditional Fertility **NEW** Programs

**Grady Miller, Ph.D.**, Professor and Extension Turf Specialist, NC State University  
**Haibo Liu, Ph.D.**, Professor of Turf Science & Management, Clemson University

This seminar is designed different from any other traditional turf fertilization program in that it will try to integrate non-traditional fertilization program such as foliar fertilization with other practices necessary into the overall fertilizer program to maintain and enhance turf quality. This will include practices such as use of bio-stimulants or bio-nutrients, plant hormones, PGR, and wetting agents into this seminar. Information will be provided on application and utilization of various products and how they impact fertility management plans.

 **GCSAA Ed Points: .30**

# CAROLINAS NIGHT AT THE BEACH



**TUESDAY, NOVEMBER 18, 2014**

**7 P.M. – 10 P.M.**

**Broadway at the Beach  
Revolutions & Crocodile Rocks**

Registration Required

\$20 per person prior to October 19

\$40 per person cash only on-site

All attendees will gain free admission to Revolutions or Crocodile Rocks on Friday or Saturday night, November 15 and 16 by mentioning you are with the Carolinas GCSA Conference & Show

*In Partnership with  
Tri-State Pump & Control*



*Please drink responsibly*



# TUESDAY GENERAL ACTIVITIES

Tuesday, November 18, 2014



## TUESDAY SEMINAR LUNCHEON MENU

- Tossed Salad Bacon and Cheddar Cheese with Ranch Dressing
- Mustard Potato Salad
- Buttermilk Fried Chicken
- Sliced Baked Glazed Ham
- Cheddar Cheese Macaroni
- Squash Medley
- Cornmeal Fried Okra
- Corn Bread Muffins & Assorted Rolls
- Brownies & Peach Cobbler
- Sweet Tea



7 a.m. – 6:30 p.m.

## REGISTRATION

*Hall of Fame*

7 a.m. – 2:30 p.m.

## EXHIBITOR MOVE-IN

11:30 a.m. – 12:30 p.m.

## LUNCHEON

*Ballroom DE*

*Luncheon for 2 Tuesday Half-Day Seminar Attendees*

Presented in Partnership with  
**Golf Agronomics and Quali-Pro**

2 p.m. – 4 p.m.

## CAROLINAS GCSA STUDENT TURF BOWL

*Ballroom D*

Presented in Partnership with  
**Precision Labs**

4 p.m. – 7 p.m.

## TRADE SHOW OPEN

*Exhibit Hall*

7 p.m. – 10 p.m.

## CAROLINAS NIGHT AT THE BEACH

*Revolutions and Crocodile Rocks*

Presented in Partnership with  
**Tri-State Pump & Control**



Horry-Georgetown's winning team of Daniel Smith, Sam Adams, Bradley Stokes and Dan Wooley, with Bo Barefoot, of Precision Labs.



All refreshment breaks provided in partnership with Harrell's, Inc.



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BRANDT is a leading supplier of plant nutrition, protection and adjuvant solutions for turf, ornamentals and agriculture. From best-in-class foliar nutrition to green grade fertilizers, bio-pesticides and super strength pond dyes, BRANDT has the portfolio to keep courses looking and performing their best.

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# TUESDAY MORNING SEMINARS

Tuesday, November 18, 2014 • 8 a.m. - 11:30 a.m.



## **E** 07 The Search for Agronomy's Holy Grail **NEW** - Part II

Hear ye, hear ye, hear ye! Gather one and all as Galahad of the Carolinas, Bo Barefoot, moderates discussions among the Knights of the 2014 Turfgrass Roundtable in the latest quest for Agronomy's Holy Grail. This year's roundtable welcomes Doug Soldat, Ph.D., from the far away realm of Wisconsin, whose work has vanquished many foes in the fields of turfgrass nutrient management, water resources, soil testing and irrigation. Come armed with your own questions for this half-day seminar where you joust directly with some of the bravest and brightest in the business from Clemson University and North Carolina State University. Those who fail to attend do so at their own peril.

### Knights of this year's Turfgrass Roundtable

**Bruce Martin, Ph.D.**, Professor of Turfgrass Pathology, Clemson University  
**Grady Miller, Ph.D.**, Professor & Extension Specialist, Turfgrass Science, NC State University

**Rick Brandenburg, Ph.D.**, Professor of Turf Entomology, NC State University

**Fred Yelverton, Ph.D.**, Professor of Crop Science, NC State University  
**Doug Soldat, Ph.D.**, Associate Professor of Soil Science, University of Wisconsin



## **A** 08 Winter Management of Ultradwarf Bermudagrass Putting Greens

**Michael Goatley, Ph.D.**, Professor of Crop and Soil Environmental Science, Virginia Tech

**Patrick O'Brien**, Director, SE Region, USGA Green Section

**Chris Hartwiger**, Director, Course Consulting Service, USGA Green Section

Winter management of ultradwarf bermudagrasses is an art and science. This seminar will reveal how superintendents prepare ultradwarf putting greens for winter, manage them for playability, and protect them against cold weather.



## **I** 09 Understanding Factors that Affect **NEW** Pesticide Fate and Behavior

**Travis Gannon, Ph.D.**, Assistant Professor of Crop Science, NC State University

Pesticides are commonly used to manage weeds, insects, and diseases on the golf course. Occasionally, pesticides move off-target damaging non-target plants or may not be efficacious. In other scenarios, herbicides may cause adverse injury to the desired turf. Understanding the biological and chemical attributes of pesticides and how they behave after application may increase pest control while minimizing off-target movement and injury. Seminar discussions will focus on specific examples of off-target injury and failed herbicide applications. Overall, participants will have a better understanding of pesticide fate and behavior and will be able to devise best management practices to minimize off-target pesticide injury and maximize pest control.



## **E** 10 Making Accurate Pesticide **NEW** Applications

**Scott Bretthauer, Ph.D.**, Extension Specialist, Pesticide Safety Education, University of Illinois

This half-day seminar will cover topics related to making safe and accurate pesticide applications. These topics will include the importance of spray droplet size, nozzle selection and operation, the impact of adjuvants, how weather influences drift, and drift reduction strategies.



### **Pesticide Recertification Credits**

### **Aquatic Recertification Credits**

Sign up forms will be in the classrooms for pesticide or aquatic recertification credits in North Carolina, South Carolina, Tennessee, and Georgia. The forms will be available to sign after the speakers have presented the appropriate topics.

### **GCSAA Education Points**

GCSAA Education Points are applicable towards entry or renewal of Class A and CGCS member status.

**E** Entry **I** Intermediate **A** Advanced

## **E 11** Assistant Superintendents: How to **NEW** Improve Your Chances of Making the Step to Superintendent

**Chris Carson**, Golf Course Superintendent, Echo Lake Country Club,  
Westfield, NJ

Chris Carson has been teaching professional development at the Rutgers Professional Turfgrass School for over 10 years. He will discuss how to compete against other qualified assistants for interviews, how to win the interview, and the many ways you can prepare yourself for success in the golf business. In addition to career, resume and portfolio building, Chris will also touch on a number of subtle ways you can improve your chances for success including:

- Nine things you must have to become a superintendent
- Making a great first impression
- Dressing for the Interview
- Two things you must do following the interview

 GCSAA Ed Points: .30

## **E 12** IPM Strategies for New Warm- **NEW** Season Cultivars

**Charles Peacock, Ph.D.**, Professor of Crop Science, NC State University

Over the last 15 years new cultivars of warm-season grasses have been released by both public and private breeding programs. This seminar will provide information on performance characteristics of these new grasses, their agronomic requirements and how they differ and how to develop IPM strategies for dealing with pest problems.

 GCSAA Ed Points: .30

 PESTICIDE CREDITS  
SC-2 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **E 13** Maintaining Tree Health & Managing **NEW** Tree Risk on the Golf Course

**Glen R. Stanosz, Ph.D.**, Dept. of Forest and Wildlife Ecology,  
University of Wisconsin-Madison

Healthy trees can contribute greatly to the challenges and aesthetics of a golf course. But in the "grass-centric" world of golf, tree health can be taken for granted. This seminar will introduce attendees to the various categories of tree diseases, the symptoms and signs used in tree diagnosis, and the implications of various diseases for tree health. Examples of the principles and practices employed in tree disease prevention and management will be presented. Because defective trees can pose risks to people, property and play, the procedures for assessing and managing tree risk will be described.

 GCSAA Ed Points: .30

## **A 14** Advanced Turfgrass Water Quality **NEW**

**Michael T. Huck**, Principal, Irrigation & Turfgrass Services,  
San Juan Capistrano, CA

Alternative water sources for turf irrigation are becoming commonplace on golf courses, sports fields and other landscape uses. These water sources, typically of poorer quality, create challenging management decisions for golf course superintendents. This advanced level workshop will concentrate on water quality parameters, chemical constituents and their influence upon each other and the turfgrass growing environment. Chemical equations, formulas and tables used in the process of evaluating water quality will be presented. The impact of irrigation water quality on pest activity, pesticide efficacy, soil conditions and cultural management programs will also be examined. Attendees are strongly encouraged to bring laboratory water quality & soil reports from their own golf courses for evaluation and group discussion.

 GCSAA Ed Points: .30

## **I 15** Golf Course Drainage Issues: **NEW** Problems, Solutions and Impact on Turfgrass Health

**Darin S. Bevard**, Director, Mid-Atlantic Region, USGA Green Section  
**Troy Fink**, CGCS, Country Club of Virginia, Richmond, VA

The importance of drainage in everyday turfgrass maintenance is generally understood, but often overlooked. This seminar will reiterate the importance of drainage on all areas of the golf course and how poor drainage impacts turfgrass health and quality. Examples of drainage problems and how to address them will also be covered.

 GCSAA Ed Points: .30

# TUESDAY AFTERNOON SEMINARS

Tuesday, November 18, 2014 • 12:30 p.m. - 4:00 p.m.



## **E** 16 The Straight Truth on Bentgrass

**NEW**

**William Anderson, CGCS, Agronomist, Carolinas Golf Association**  
**Butch Sheffield, CGCS, North Ridge Country Club**  
**Ray Avery, Director of Golf Course Operations, The Club at Longview**  
**Moderator: Bruce Martin, Ph.D., Professor of Turfgrass Pathology, Clemson University**

Smart golf course superintendents know when to ask for help but there are smarter ones still who know it's not just a matter of when but also who you ask. Here is your chance to do that and learn from three of the greatest bentgrass growers of the past 30 years in the Carolinas. Ray Avery, from The Club at Longview; Butch Sheffield, CGCS from North Ridge Country Club; and Bill Anderson, CGCS recently-retired from Carmel Country Club; have not only survived but thrived growing bentgrass in markets where the heat is on year round. Clemson University's Dr. Bruce Martin will bring his wealth of scientific knowledge and first-hand experience from thousands of course visits to moderate what is certain to be a can't miss event for any bentgrass superintendent.

 **GCSAA Ed Points: .30**  **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **I** 17 Dealing with Bugs & Crud Affecting Warm-Season Turfgrass Golf Courses

**Rick Brandenburg, Ph.D., Turfgrass Entomologist, NC State University**  
**Jim Kerns, Ph.D., Turfgrass Plant Pathologist, NC State University**

This half-day course will address the site specific problems associated with insect and disease management on warm-season grasses. Cost effective strategies to manage these pests change rapidly as new turf cultivars and cultural management strategies are employed, new pest problems emerge, and new products are registered. This course focuses on rapidly bringing turf managers up to speed on the latest pest information, new concepts for pest management, and the adoption and use of new pesticides. Included in the course will be identification and diagnosis of traditional insect and disease problems as well as new and emerging pest problems, discussions of the impact of environmental and cultural practices on pest abundance, and concepts for the development and use integrated pest management strategies.

 **GCSAA Ed Points: .30**  **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **I** 18 Nutrition Intuition

**Michael Goatley, Ph.D., Professor of Crop & Soil Environmental Science, Virginia Tech**

Outside of mowing turfgrasses, there is nothing more intensive than the fertility programs we employ on our putting greens, particularly regarding N fertilization. This seminar will describe ways to optimize plant nutrient response by considering how nutrients enter the plant, how they are translocated within the plant, and the internal energy dynamics required in the transport and assimilation of the nutrient. Are there forms of nutrients that will better deliver a desired plant response? We will also discuss the pros and cons of foliar and spoon feeding strategies as they relate to both plant response and ongoing environmental initiatives.

 **GCSAA Ed Points: .30**

## **I** 19 Turfgrass Microbiology

**NEW**

**Doug Soldat, Ph.D., Associate Professor, Dept. of Soil Science, University of Wisconsin-Madison**

Did you know there are more bacterial cells in your body than your own cells? We can't see microorganisms, but they have an enormous impact on just about everything on Earth. Your turf is no different. Every year, the amount of interest and products aimed at managing your microbes grows. With so many options, what should you do? In this seminar, we will introduce you to the fundamentals of turfgrass microbiology, teach you about the limitations of our methods for measuring them, and then summarize the state of the science on what we can (and can't) do to manage microbes in a beneficial way. Finally, we will end with an optimistic vision for the future of soil microbial management.

 **GCSAA Ed Points: .30**

## **I** 20 Integrated Pest Management of Nematodes on Golf Course Turf

**William (Billy) T. Crow, Ph.D., Associate Professor of Nematology, University of Florida**

Knowledge of nematode biology, turf susceptibility, and the strengths and weaknesses of current nematode management options will be used to develop integrated pest management strategies specific for your course. Attendees will learn the basics of nematode biology to better predict when there will be a problem; and how to collect and submit nematode samples to a diagnostic lab and interpret lab results.

 **GCSAA Ed Points: .30**  **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

**E** Entry **I** Intermediate **A** Advanced

## **E 21** Communicating for Success: Social **NEW** Media and Beyond

**Pat Jones**, Editorial Director & Publisher, *Golf Course Industry Magazine*  
**Darren Davis**, CGCS, *Olde Florida Golf Club and GCSAA Board of Directors*

Award-winning communicators Darren Davis, CGCS and Pat Jones team up to share specific and practical strategies and techniques to enhance your image within your facility, improve your overall communications skills and take your use of social media to the next level.

 **GCSAA Ed Points: .30**

## **E 22** Aquatic Plant Management for Golf Course Waterbodies

**Rob Richardson, Ph.D.**, Assistant Professor, *Aquatic & Non-cropland Weed Mgt. NC State University*

**Jack M. Whetstone**, Extension Aquaculture Specialist, *Clemson University (Retired)*

Does your signature hole have water? Good management of aquatic resources is integral to whole course management. This seminar will give superintendents a complete overview of how to manage their aquatic resources including water quality, aquatic plant identification and integrated best management practices for control of the major aquatic weed problems. Specific instruction on the newest aquatic herbicides and use of aquatic herbicides in irrigation sources will be emphasized. How to manage turf areas and the use of buffers to reduce aquatic weed problems will be included in the course.

 **GCSAA Ed Points: .30**

 **AQUATICS CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **I 23** NCSU Pesticide Product Recommendations for Golf Courses Overview

**Matt Martin**, Turfgrass Specialist, *Department of Crop Science NC State University*

This workshop will provide information on effective disease, insect and weed management strategies for golf courses in the Southeastern US. Information presented will include the latest NC State University research-based information and recommendations on current and up-coming fungicides, herbicides, and insecticides. This seminar will explore pest biology and ecology and how to use this information to develop cost effective and environmentally sound pest management programming as well as cultural management practices for effective weed, insect and disease management on golf courses.

 **GCSAA Ed Points: .30**

 **PESTICIDE CREDITS**  
SC-3.5 hrs. NC-3.5 hrs. GA-3 hrs. TN-3 hrs.

## **A 24** Today's Superintendent: The **NEW** Most Valuable Member of the Management Team!

**Barbara Jodoin, CEO**, *Capital Financing Alliance, Houston, TX*

Today's Superintendent is truly the most valuable, talented member of any management team. The golf course maintenance department typically commands the largest percentage of budget dollars, the greatest percentage of capital investment annually and the largest staff across all club departments. This session provides a unique vision for the role of this department and its leadership that will enhance success within the department and broaden its influence across the club.

### **Today's Superintendent:**

Leader • Educator • Agronomist • Decision Maker  
Environmentalist • Role Model

 **GCSAA Ed Points: .30**

## **E 25** A Plan-Based Budget Will Help You Succeed!

**Chris Carson**, *Golf Course Superintendent, Echo Lake Country Club, Westfield, NJ*

A plan-based budget can demonstrate your facility's needs to your golf course's leadership team. A well thought out budget can also help you get the materials and labor needed to succeed. This class will touch on many important aspects of budget development, and while it is not a step-by-step budget preparation course, in this seminar you will learn to:

- Develop your master plan
- Assign budget figures to each aspect of the plan
- Sell the plan to your board or management team
- Understand what's in the minds of the decision-makers at your club, and how to overcome real or perceived concerns.
- Lay the groundwork for long term needs at your course

 **GCSAA Ed Points: .30**

# WEDNESDAY EVENTS AND EDUCATION SESSION I

Wednesday, November 19, 2014



## REGISTRATION

7 a.m. - 2:30 p.m.

## FELLOWSHIP BREAKFAST

7 a.m. - 8 a.m.

Ballroom D

In Partnership with



### Breakfast Menu

Chilled Orange Juice • Coffee, Decaf & Hot Tea  
Sliced Seasonal Fruit • Fluffy Scrambled Eggs  
Applewood Smoked Bacon • Southern Style Grits  
Biscuits and Sausage Gravy



### FEATURED SPEAKER

**Jason (J.R.) McCroskey**, *Wild Dunes Resort, Isle of Palms, SC*

J.R. is currently superintendent at the Harbor Course at Wild Dunes Resort in Charleston, SC, where he has been for 2.5 years. Previously, he was superintendent at the Harbor Club, Greensboro, GA for 6 years and second assistant at

Colleton River Club - Dye Course; and Reynolds Plantation - The Oconee and Great Waters Courses. He is a 2001 graduate of Clemson University and currently serves on the Coastal Plains GCSA Board of Directors.

J.R. is an active member of First Baptist Church, Mount Pleasant, SC where he serves as a leader in the Young Adult Ministry. He also serves on the Mission Counsel as the church liaison for a non-profit called Water Missions International which provides clean drinking water in third world countries and disaster areas.

## BUFFET LUNCHEON

11:15 a.m. - 1:45 p.m.

Exhibit Hall

In Partnership with



### Buffet Luncheon Menu

Classic Caesar Salad • Chicken Parmesan  
Sausage Lasagna • Penne Pasta with Mushroom Alfredo  
Roasted Zucchini and Summer Squash with Olive Oil  
Rolls & Garlic Bread Sticks • Sweet Tea

## GENERAL EDUCATION SESSION I

### BALLROOM E

Presiding - Adam Charles, Director, Carolinas GCSA

8 a.m. - 8:05 a.m.

Welcome - Brian Powell, CGCS, President, Carolinas GCSA



8:05 a.m. - 8:25 a.m.

**NC State University - Turfgrass Research Updates**  
**Breeding for Combined Shade and Cold Tolerance in**  
**Bermudagrass**

Susana R. Milla-Lewis, Ph.D., Asst. Professor of Turfgrass  
Breeding & Genetics

**Update on Pythium Root Rot and Mini-Ring Management**  
Jim Kerns, Ph.D., Turfgrass Plant Pathologist

8:25 a.m. - 8:45 a.m.

**Clemson University - Turfgrass Research Update**  
**Doveweed Biology, Ecology and Control**

Jeff Atkinson, Graduate Student, Department of Horticulture

8:45 a.m. - 9:15 a.m.

**USGA Southeast Region**  
**Highlights of the 2014 Golf Season**

Chris Hartwiger, Director, Course Consulting Service, USGA  
Green Section

Pat O'Brien, Director SE Region, USGA Green Section

9:15 a.m. - 9:30 a.m.

### DISTINGUISHED SERVICE AWARD

Presentation to Michael K. Fabrizio, CGCS, Daniel Island Club

9:30 a.m. - 10:00 a.m.

### ANNUAL BUSINESS MEETING

Presiding - Brian Powell, CGCS, President, Carolinas GCSA

10 a.m. - 2:30 p.m.

**TRADE SHOW OPEN** - Exhibit Hall

10:30 a.m. - 2:30 p.m.

**SKIN CANCER SCREENINGS** - Free Screenings at Booth #3701  
Provided by Grand Strand Dermatology,  
Sign-up sheet located at Registration Desk.

11:15 a.m. - 1:45 p.m.

**BUFFET LUNCHEON** - Exhibit Hall

2:00 p.m.

**27 - HOLE CHALLENGE PRIZE GIVEAWAY** - Exhibit Hall

# WEDNESDAY EDUCATION SESSION II

Wednesday, November 19, 2014



Free Giveaways during General Session Must Be Present to Win

Ballroom E • Presiding – David Lee, Secretary/Treasurer, Carolinas GCSA

## GCSAA #ATYOURSERVICE

2:30 p.m. – 3:30 p.m.

Your national association's commitment to delivering services to your doorstep has never been greater. The introduction of field staff representatives across the country is proof of that. But GCSAA is also on other doorsteps that matter – from those of allied golf industry associations to those of lawmakers in Washington, DC where decisions are made that affect what you do. In this hour-long session featuring the largest line-up of GCSAA representatives ever to attend the Carolinas GCSA Conference and Show, you will learn just how your national association is at your service.

### SOUTHEAST REGIONAL UPDATE - THE FIRST YEAR

**Ron Wright, CGCS, Field Staff Southeast Regional Representative**

### GOVERNMENT RELATIONS UPDATE - ISSUES & OPPORTUNITIES

**Chava McKeel, Associate Director, Government Relations**

**Darren Davis, CGCS, GCSAA Board of Directors**

### GOING FORWARD

**Rhett Evans, Chief Executive Officer**



## SUCCESS BEYOND THE Xs AND Os

3:30 p.m. – 5:00 p.m.

Success starts with supreme golf course conditions but it doesn't end there. More and more, modern day superintendents need to be experts in fields beyond the grass. Five men who have mastered those challenges over time while maintaining their passion for the profession will share lessons learned from both triumph and tribulation. Hear the ins and outs of how getting to the top and staying there is much more than merely taking care of the turfgrass Xs and Os. This panel offers a breadth of personalities from a range of geographic and facility circumstances. We know that no one has all the answers but this group gets close.

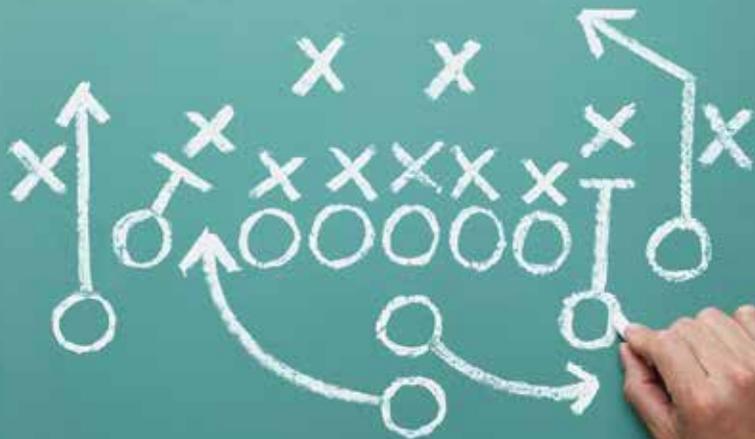
**Rhett Baker, Golf Course Superintendent**  
*Palmetto Golf Club*

**Tim Davis, Golf Course Superintendent**  
*Cabarrus Country Club*

**Peter Gerdon, Golf Course Superintendent**  
*Grandfather Golf and Country Club*

**Chuck Green, Director of Golf Maintenance**  
*Sage Valley Country Club*

**Doug Lowe, CGCS, Director of Golf & Grounds Maintenance, Greensboro Country Club**



**Reminder** – Pick up your 27-Hole Challenge scorecards in the exhibit hall at the 27-Hole Challenge Booth during trade show hours.

# 27-HOLE CHALLENGE

## HOW TO PLAY

- 27-Hole Challenge participants must be current Carolinas GCSA Class A or SM members. Participants in the Next Generation 27-Hole Challenge must be current Carolinas GCSA Class C (assistant superintendent) members.
- 27-Hole Challenge scorecards may be picked up at the 27-Hole Challenge booth #3720 in the exhibit hall during normal trade show hours.
- The event will consist of 27 exhibiting company booths. A hole flag will mark each booth and participants must have their score card stamped at each of the designated booths.
- 27-Hole Challenge booths will be located at various sites throughout the exhibit area and will be designated on the exhibit hall directory, which will be provided on-site.
- Cards must be stamped at each designated booth on either Tuesday or Wednesday during normal trade show hours. All cards must be turned in to the 27-Hole Challenge booth by 1:45 p.m. on Wednesday, November 19.
- All participant scorecards that contain all 27 stamps will be entered in the drawing for prizes.
- Drawing for prizes will be held at the conclusion of the Trade Show on Wednesday afternoon.
- 27-Hole Challenge participants must be present at the Trade Show reception area at 2:00 p.m. on Wednesday afternoon when the winners are announced in order to be eligible for the prizes.



**JOHN DEERE**  
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# Grand Prize \$5,000 Cash

The Carolinas GCSA is proud to present the 27-Hole Challenge event to member superintendents. Complete the 27-Hole tour of the trade show floor and get to know the industry partners who help make this outstanding event possible.

*(Winner is responsible for any applicable taxes)*



**2<sup>nd</sup> thru 7<sup>th</sup> Prizes iPad** (Valued at \$700\*)

**8<sup>th</sup> thru 11<sup>th</sup> Prizes Scotty Cameron Putter** (Valued at \$279)

**12<sup>th</sup> thru 16<sup>th</sup> Prizes Carolinas GCSA Logoed ENGEL Cooler**  
(Valued at \$259)

## Carolinas GCSA Assistant Superintendent Member Drawing



**1<sup>st</sup> Prize iPad** (Valued at \$700\*)

**2<sup>nd</sup> Prize Scotty Cameron Putter** (Valued at \$279)

**3<sup>rd</sup> Prize Carolinas GCSA Logoed ENGEL Cooler**  
(Valued at \$259)

(\*Estimated value of the Apple iPad with 3G Wi-Fi Internet card. Prize does not include AT&T data plan for iPad.)

# 2014 SUPERINTENDENT IMAGE CAMPAIGN



The Carolinas GCSA greatly appreciates the support of the following companies in promoting awareness and appreciation of the role of golf course superintendents.

## Gold Club

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Fax (704) 688-7238

bgemberling@arboguard.com

### **Cardinal Chemicals, Inc.**

**Terry J. Kallam**

*Sales and Marketing Manager*

P.O. Box 368

Kinston, NC 28502

Phone (252) 523-1181 Ext. 3127

Mobile (252) 559-0329

tjkallam@tri-card.com

### **Coastal Floratine, Inc.**

**Jeffrey A. Fitcher, President/Owner**

P. O. Box 30267

Myrtle Beach, SC 29588

Phone (843) 215-6652

Fax (843) 215-0593

jeff@coastalfloratine.com

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sales@csturfproducts.com

### **Geoponics Corp.**

**Robin Wicker, President**

3415 Radio Road #105

Naples, FL 34104

Phone (239) 261-6500

Fax (239) 692-8653

rwicker@geoponicscorp.com

### **Green Resource**

**Jonathan B. Annas, Owner**

**Robert G. Herring, Director, Sales & Marketing**

P O Box 429

5204 Highgreen Court

Colfax, NC 27235

Phone (336) 669-3236

Phone (336) 215-5368

Fax (336) 245-4586

jannas@green-resource.com

rherring@green-resource.com

### **Greenville Turf and Tractor**

**Lon Fleming, President**

701 Sandy Springs Road

Piedmont, SC 29673

Phone (864) 527-1050

flemingo@aol.com

### **JK Morro, Inc.**

**Thomas P. Porter, Owner**

124 Palos Verde Drive

Mooresville, NC 28117

Phone (704) 928-9839

Fax (704) 660-0371

tporter@jkmorro.com

### **Revels Turf and Tractor**

**Turner Revels, President**

2217 North Main Street

Fuquay Varina, NC 27526

Phone (919) 552-5697

Toll Free (800) 849-5469

Fax (919) 557-3749

revelscharlest@revelstractor.com

### **Smith Turf & Irrigation**

**Steve Smith, President**

**Brent Miller, Sales Manager**

Todd Armstrong, Sales Manager

P.O. Box 669388

Charlotte, NC 28266

Phone (704) 393-8873

steve.smith@smithturf.com

brent.miller@smithturf.com

todd.armstrong@smithturf.com

### **Syngenta**

**Larry Feller, Sales Rep.**

5155 River Road

Smyrna, SC 29743

Phone (843) 693-2187

larry.feller@syngenta.com

**Steve Dorer, CGCS, Sales Rep.**

2000 Parliament Place

Apex, NC 27502

Phone (919) 943-0360

stephen.dorer@syngenta.com

### **Tri-State Pump & Control, Inc.**

**Al Wilson, Owner/President**

1162 Chastain Road

Liberty, SC 29657

Phone (864) 843-8100

Fax (864) 843-6373

awilson@tspumps.com

## Silver Club

---

### **BASF Corporation**

**Willie H. Pennington, Sales Specialist**

4117 Ridgebrook Bluffs Drive

Raleigh, NC 27603

Phone (919) 740-4790

Fax (919) 779-2359

willie.pennington@basf.com

### **E-Z-Go/Cushman**

**Adam G. Harris, Sales Rep.**

3005 Hambridge Ct.

Apex, NC 27502

Phone (919) 600-4311

Fax (706) 826-1174

aharris@textron.com

### **John Deere Landscapes**

**Charles Wood**

*Agronomic Sales Representative*

214 Transco Road

Mooresville, NC 28117

Phone (828) 817-6219

cwood@johndeerelandscapes.com

### **The Andersons Turf & Specialty Group**

**Ray Saseen, Territory Sales Manager**

4561 Lucerne Lane

Lilburn, GA 30047

Phone (404) 580-3564

Fax (770) 972-1512

Ray\_saseen@andersoninc.com

# HOTEL ACCOMMODATIONS



## HEADQUARTERS HOTEL

Sheraton Myrtle Beach  
Convention Center Hotel

2101 North Oak Street  
Myrtle Beach, SC 29577

Call 1-888-627-8203 for reservations

Use Group ID# 3539 or ask for the Carolinas Golf Course Superintendents block for any call-in reservations.

### BOOK ONLINE:

<https://www.starwoodmeeting.com/Book/CarolinanGolf2014>

### RATES:

\$105 1 King or 2 Doubles + 16.27% taxes/facilities fees

\$124 Club Level, 1 King or 2 Doubles + 16.27% taxes/facilities fees

\$5 Parking Fee Per Day Per Vehicle

*Cancellation Policy: 3 Days Prior to Arrival*



## NEW THIS YEAR

### CAROLINAS GCSA CONFERENCE AND SHOW MOBILE APP

Conference and Show attendees will be able to download a FREE interactive mobile app to enhance your show experience. The mobile app will be available for both iOS and Android devices.

#### Key Features:

- Interactive tradeshow floor map to begin planning your both visits, complete with contact and location information.
- Downloads providing digital information from both exhibitors and seminar instructors.
- LIVE polls - you will be able to provide answers and see results directly from the app.
- Social Media including photo galleries and videos.

We are excited to bring a new level of value and engagement at the 2014 Carolinas GCSA Conference and Show.





## **BADGES AND ADMITTANCE**

Official Carolinas GCSA badge must be worn at all Conference and Show events. Badge is included in credential mailing.

## **CANCELLATION POLICY**

Conference and Show cancellation requests must be in writing and received by Monday, November 10, 2014 to receive a refund. A \$25 administrative fee will be charged for all full and/or partial cancellations. After this date, NO refunds will be made. Fax to 864-843-1149 or Mail to: Carolinas GCSA, PO Box 210 Liberty, SC 29657. Special refund note: If your credentials have been mailed at the time of your cancellation, you must return them to the Carolinas GCSA before any refund will be issued.

## **CREDENTIAL MAILING**

Credential mailing will begin in October 2014. Credentials for registrations received after November 10, 2014, 4:30 PM EST, must be picked up on-site at the registration desk at the Myrtle Beach Convention Center.

## **NO SMOKING POLICY**

All official Carolinas GCSA Conference and Show events will be smoke-free.

## **RECOMMENDED DRESS**

The dress requirements for all Conference and Show events should either be golf casual or business casual.

- Golf Casual is defined as a nice pair of slacks and a collared or mock neck golf shirt.
- Business Casual is defined as a nice pair of slacks with a collared or mock neck shirt and a blazer or sport coat.
- Under no circumstances should denim jeans or caps worn at Conference and Show events.

## **CAROLINAS NIGHT AT THE BEACH AT REVOLUTIONS/CROCODILE ROCKS**

All attendees will gain free admission to Revolutions or Crocodile Rocks on **Friday, Nov. 14th and Saturday, Nov. 15th**, by mentioning you are with the Carolinas GCSA Conference and Show.

## **MYRTLE BEACH CONVENTION CENTER**

Address of the Myrtle Beach Convention Center:  
2101 North Oak Street, Myrtle Beach, SC 29577

## **REGISTRATION**

There are three easy ways to register in advance for the Conference and Show. Forms must be received by **October 19, 2014**:

1. **Online** at [www.carolinascgcsa.org](http://www.carolinascgcsa.org) for immediate processing and first available seating.
2. **Fax** completed registration form with credit card payment information to 864-843-1149.
3. **Mail** completed registration form with payment to:  
Carolinan GCSA, PO Box 210, Liberty, SC 29657

## **ADVANCED REGISTRATION BENEFITS**

Register in advance by **October 19, 2014** and you will receive these great advantages prior to the event:

- A reduced price for conference and show registrations
- Your badge and credentials will be mailed to you so you can go straight to seminars, educational programs and the trade show. No waiting in lines.

## **ON-SITE REGISTRATION**

Registration will be open the following times at the Myrtle Beach Convention Center:

- Monday, Nov. 17, 11 a.m. – 6 p.m.
- Tuesday, Nov. 18, 7 a.m. – 6:30 p.m.
- Wednesday, Nov. 19, 7 a.m. – 2:30 p.m.

## **COMPLIMENTARY FULL CONFERENCE REGISTRATION**

Complimentary registration will be offered to Carolinas GCSA Honorary members, Educators, and Golf Course Owners. Golf Course Owners should submit your registration form along with your Carolinas GCSA member superintendent.

## **SEMINAR SELECTIONS**

Seminar descriptions can be found on pages 10 – 19. Seminars are NOT included with the full conference package. Class sizes are limited so register early. Trade show pass is NOT included with seminar registration.

## **FULL CONFERENCE PACKAGE**

Your full conference package includes:

- General Education Session for Wednesday
- Trade Show Pass for Tuesday and Wednesday
- Wednesday Lunch

## **FAMILY REGISTRATION**

Complimentary registration is offered to spouses/significant others and children of Carolinas GCSA members. Guests will have access to the trade show Tuesday and Wednesday

# PESTICIDE CREDITS AND GCSAA EDUCATION POINTS



ID #	SEMINAR		South Carolina	North Carolina	Georgia	Tennessee	GCSAA Ed.Points.
<b>MONDAY</b>		<b>12:30-4 PM</b>					
1	Developing Comprehensive Herbicide Prgm	1/2 day	3.5	3.5	3	3	0.3
2	Dealing with Bugs & Crud Cool Season Turf	1/2 day	3.5	3.5	3	3	0.3
3	Understanding Turfgrass Fungicides	1/2 day	3.5	3.5	3	3	0.3
4	Mgt. of Ultradwarf Bermudagrass Greens	1/2 day	3.5	2.5	1	3	0.3
5	Mgt. of Turfgrass & Ornamental Plants	1/2 day	3.5	3.5	3	3	0.3
6	Beyond Traditional Fertility Programs	1/2 day	0	0	0	0	0.3
<b>TUESDAY MORNING</b>		<b>8-11:30 AM</b>					
7	The Search for Agronomy's Holy Grail II	1/2 day	3.5	2.5	1	3	0.3
8	Winter Management of Ultradwarf	1/2 day	3.5	1.5	3	3	0.3
9	Factors Affect Pesticide Fate & Behavior	1/2 day	3.5	3.5	3	3	0.3
10	Making Accurate Pesticide Applications	1/2 day	3.5	3.5	3	3	0.3
11	Assistant Supts: Making the Step to Supt.	1/2 day	0	0	0	0	0.3
12	IPM Strategies New Warm-Season Cultivars	1/2 day	2	3.5	3	3	0.3
13	Maintaining Tree Health & Managing Risk	1/2 day	0	0	0	0	0.3
14	Advanced Turfgrass Water Quality	1/2 day	0	0	0	0	0.3
15	Golf Course Drainage Issues	1/2 day	0	0	0	0	0.3
<b>TUESDAY AFTERNOON</b>		<b>12:30 - 4 PM</b>					
16	The Straight Truth on Bentgrass	1/2 day	3.5	3.5	3	3	0.3
17	Dealing with Bugs & Crud Warm Season	1/2 day	3.5	3.5	3	3	0.3
18	Nutrition Intuition	1/2 day	0	0	0	0	0.3
19	Turfgrass Microbiology	1/2 day	0	0	0	0	0.3
20	Integrated Pest Management of Nematodes	1/2 day	3.5	3.5	3	3	0.3
21	Communicating for Success: Social Media	1/2 day	0	0	0	0	0.3
22	Aquatic Plant Management GC Waterbodies	1/2 day	3.5*	3.5*	3*	3*	0.3
23	NCSU Pesticide Product Recommendations	1/2 day	3.5	3.5	3	3	0.3
24	Today's Superintendent: Most Valuable	1/2 day	0	0	0	0	0.3
25	Plan Based Budget will Help You Succeed	1/2 day	0	0	0	0	0.3

\*Aquatic Credits

# CAROLINAS GCSA CONFERENCE AND TRADE SHOW • NOVEMBER 17-19, 2014

## REGISTRATION FORM

## REGISTRATION DEADLINE: OCTOBER 19, 2014

### ■ HOW TO REGISTER (One person per form please. May duplicate.)

There are three easy ways to register:

- **ONLINE** at [www.carolinasgcsa.org](http://www.carolinasgcsa.org)
- **FAX** completed registration form with credit card payment information to 864-843-1149
- **MAIL** completed registration form with check, money order or credit card information to:  
Carolinas GCSA, PO Box 210, Liberty, SC 29657

### ■ MAIN REGISTRATION INFORMATION

CGCSA Member # \_\_\_\_\_ Job Title \_\_\_\_\_

First Name \_\_\_\_\_ M.I. \_\_\_\_\_ Last Name \_\_\_\_\_

Home Address: PO Box or Street Address \_\_\_\_\_

City \_\_\_\_\_ SC \_\_\_\_\_ Zip \_\_\_\_\_

Club/Company Name \_\_\_\_\_

Club/Company Address: PO Box or Street Address \_\_\_\_\_

City \_\_\_\_\_ SC \_\_\_\_\_ Zip \_\_\_\_\_

Company Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email address \_\_\_\_\_

Preferred Mailing Address:  Home or  Club/Co.

### ■ BADGE INFORMATION Please print the following information as you wish it to appear on your badge.

Name \_\_\_\_\_

Club/Company Name \_\_\_\_\_

City, State \_\_\_\_\_

### ■ SPOUSE REGISTRATION As it is to appear on badge (No additional charge. Includes Trade Show, Wednesday Fellowship Breakfast and Wednesday Lunch.)

Spouse Name \_\_\_\_\_

### ■ REGISTRATION OPTIONS (Please circle all selections.)

	Advanced Fee Prior to Oct 19		Standard Fee After Oct 19	
	Member	Non-Member	Member	Non-Member
<input type="checkbox"/> Full Conference Package <i>(Includes: General Education, Trade Show, Wed. Lunch, Excludes Seminars)</i>	180	205	195	220

<input type="checkbox"/> Full Student Package <i>(Includes: General Education, Trade Show, Wed. Lunch, Excludes Seminars)</i>	55	80	70	95
--	----	----	----	----

### MONDAY

#### Golf - Choose one format

<input type="checkbox"/> Medal Play Handicap: _____	110	135	125	150
--	-----	-----	-----	-----

<input type="checkbox"/> Senior Medal Play <i>(Over 50)</i> Handicap: _____	110	135	125	150
---	-----	-----	-----	-----

<input type="checkbox"/> Four Ball Partner: _____ Handicap: _____	110	135	125	150
---	-----	-----	-----	-----

<input type="checkbox"/> Captains Choice Partner: _____ Handicap: _____	110	135	125	150
---	-----	-----	-----	-----

<input type="checkbox"/> Sporting Clay	50	75	65	90
--	----	----	----	----

### TUESDAY

<input type="checkbox"/> 2-Day Trade Show Pass	95	120	110	135
--	----	-----	-----	-----

<input type="checkbox"/> Carolinas Night	20	20	40	40
--	----	----	----	----

### WEDNESDAY

<input type="checkbox"/> Fellowship Breakfast	0	0	0	0
---	---	---	---	---

### ■ SEMINARS SELECTIONS Write in Seminar ID# (see page 26)

Seminar ID#	Advanced		Standard	
	Mem.	Non-Mem.	Mem.	Non-Mem.
Monday (12:30-4:00) _____	55	80	70	95
Tuesday (8-11:30) _____	55	80	70	95
Tuesday (12:30-4:00) _____	55	80	70	95

### ■ FEES SUMMARY Total Fees: \_\_\_\_\_

### ■ PAYMENT INFORMATION

Option 1: Check (Make Payable to CGCSA)

Option 2: Credit Card

Visa  Mastercard  Discover  American Express

\_\_\_\_\_ / \_\_\_\_\_  
Credit Card Number Exp. Security Code

\_\_\_\_\_

\_\_\_\_\_



**Carolinas Golf Course Superintendents Association**  
**P.O. Box 210**  
**Liberty, SC 29657-0210**  
**800-476-4272 / 864-843-1149 (Fax)**  
[www.carolinasgcsa.org](http://www.carolinasgcsa.org)

For Office Use Only	
Class	_____
Member #	_____
Amount Pd.	_____
Entered	_____
Note	_____

## Membership Application

Last Name		First Name		Middle Name		Preferred Name	
Club or Company Name				Date of Birth			
Home Mailing Information				Club or Company Mailing Information			
Home Mailing Address				Club or Company Mailing Address			
City		State		Zip		City	
State		Zip		City		State	
Home Phone		Home Fax		Work Phone		Work Fax	
Job Title				Mobile Phone		Club/Co. Phone	
Preferred Mailing Location:				Work E-Mail			
Home		Club/Co.					

GCSAA Class & Number: \_\_\_\_\_ Applicant Signature \_\_\_\_\_

The Carolinas GCSA is an Affiliate Chapter of the Golf Course Superintendents Association of America (GCSAA) and all Class A or SM Member Applicants must also be a member of GCSAA. Years in Current Position: \_\_\_\_\_

Employment History Prior to Current Position

From: Mo. & Yr.	To: Mo. & Yr.	Title	Place of Employment

See reverse for an explanation of classifications. Membership dues are good for the initial twelve months after which renewal will be on an annual basis.  
 Dues: Class A \$180; Class SM \$180; Class C \$90; Class AF \$180; Class AS \$90; Student \$30; Class AF1 \$440; Class AF2 \$880; Class AF3 \$1,300

I hereby apply for membership in the Carolinas Golf Course Superintendents Association and herewith attach my dues of \$\_\_\_\_\_ for one year. I understand that this application will be reviewed by a representative of the board of directors and if rejected for any reason, my dues remittance will be refunded. If accepted for membership I agree to observe and abide by the Constitution and By-laws of the association. I also affirm that I have read, understand and will abide by the association Code of Ethics on the reverse side of this application.

Credit Card # (We accept Visa, MasterCard & Discover) \_\_\_\_\_ \*If paying by credit, provide 3 digit v-code located on back of card in signature strip

Name on Credit Card \_\_\_\_\_ Attester Signature \_\_\_\_\_

Expiration Date \_\_\_\_\_ Attester Printed Name \_\_\_\_\_

CGCSA or GCSAA Class & Member # \_\_\_\_\_

North and South Carolina Applicants must have their application signed by a Class AA, A or SM member of the Carolinas Golf Course Superintendents Association. Out of state applicants must have their application signed by a Class AA, A or SM member of the Golf Course Superintendents Association of America.

# Early Order Program

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Colfax, NC 27235  
(336) 855-6363

### CHARLOTTE

10404 Granite Street, Ste K  
Charlotte, NC 28273  
(704) 927-3100

### COASTAL

2407 Ocean Hwy, West  
Shallotte, NC 28459  
(910) 754-8474

### TRIANGLE

1218 Management Way  
Garner, NC 27529  
(919) 779-4727

### WINSTON

191 Budd Blvd  
Winston-Salem, NC 27103  
(336) 793-9230

[www.Green-Resource.com](http://www.Green-Resource.com)

# Green Resource





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From Myrtle Beach to the Blue Ridge Mountains to Hilton Head and everywhere in the Carolinas, your local John Deere Golf distributors are proud to be part of the Carolina's GCSA Conference and Show. Stop by our booth to find out why John Deere is trusted by the best courses on Earth.



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[www.RevelsTractor.com](http://www.RevelsTractor.com)

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[www.GreenvilleTurf.com](http://www.GreenvilleTurf.com)

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