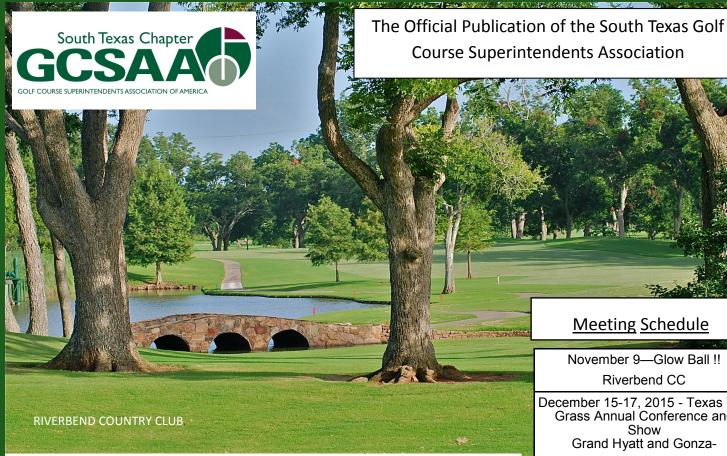
TEE TO GREEN



Fall is here!

With only 2 months left in 2015 we wind down the year with a fun fall tournament at Riverbend Country Club. Host George Cincotta, Sonny DuBose Memorial Distinguished Service Award Winner 2013, suggested we have a glow ball tournament! We will play nine holes while still light out, then have dinner and play the second nine at dark with "glow balls"! We hope everyone joins us for this fun meeting!

The last month of the year is reserved for our annual Christmas Reception and Scholarship Awards Presentation. Congratulations to all our winners (listed on page 7)! All scholarship winners and their dates are invited to join the Christmas Reception. If the student in unable to attend, the parent may pick up the award for them. This year, Kyle Brown will host the party at Bay Oaks Country Club. We have tons of raffle gifts for the ladies, one giant raffle prize for our members and of course the Top Ten Prizes to hand out. There will be a magician roaming the room for entertainment; Kyle Ryan comes with outstanding recommendations from corporate parties all over Houston. This should be something new and fun for all! Hope to see you there!

Meeting Schedule

November 9—Glow Ball !!

December 15-17, 2015 - Texas Turf Grass Annual Conference and Grand Hyatt and Gonza-

December 18—Christmas Recep-

Bay Oaks Country Club

January 13, 2016—Pesticide License Renewal at AgriExtension Office, Bear Creek

> January 26, 2016 First Meeting of the Year! Stephen F Austin GC

February 6-11, 2016 Golf Industry show –San Diego Lone Star Reception February 10th

March 8, 2016 (Tuesday)—Tour 18 **Education Meeting/Golf**

April 19, 2016 Scholarship Tournament

High Meadow Ranch GC

Register Now for Any Meeting!



President's Message: Ben Fultz

This being my last President message for my term, I would like to thank you for the opportunity to serve on the board, it has been a privilege. This year has been one of the craziest we have had in a long time. We go from floods to drought in just a few months. It seems that mother nature can not make up her mind. We go from one extreme to another. We, as Superintendents and Assistants and Mechanics always find ways to deal

with the extremes and push through.

It's that time of year where we all have member guest tournaments and club championships. With that being said we have our Glow ball meeting coming up this November and we have the Christmas party as well, at Bay Oaks country club so I hope you can get away from your busy schedules to have a little fun and camaraderie. At the Christmas Reception we will announce the Top 10 winners and they can pick one of the great prizes we have for their dedication and participation in the South Texas GCSA events. We will hand out the Scholarships to those lucky recipients and we will have a unique entertainer, Kyle Ryan. He is a well known, Houston area magician who comes with top rated reviews from some of the largest corporations in our area. I hope to see everyone at our last two events of the season. Since January is sneaking up on us very quickly, be sure to sign up early for the Annual Pesticide Renewal Class at Bear Creek Extension Office on January 13th.

Cody Spivey, the 2016 STGCSA president will kick off the 2016 year at the January 26th meeting (and bring your GM or Greens Committee Chair) at Stephen F Austin. Doug Browne and family always greet us with great hospitality and we are looking forward to starting off the year at their place again as in the past.

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The Golf Club of Houston Golf Results

October 5, 2015

Proximity Winners

Long Drive
Bryan Pace
СТ
Stan Ludwick
СТР
Clint Falls
Long Drive
Carl Tolbert









<u>Net</u>

1st place 43

Tom Brandon Kent Knowles John Dailey Ken Stevenson

2nd place 44

Mark Baughman Carl Tolbert Brandon Cole David Gray **3rd place 45**

Joseph Haven Wade Warms Kevin White Jerry Huntsman

Gross:

1st place: 59

Kody Key Blayne Sparks Bryan Pace

2nd place 60

Chris Webster
Arturo Hernandez
Sean Wilson
Loren Moulder
3rd place 60

Bill Tanner Terry Gill Richard Kane Jeff Smith





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November 9th—Riverbend Glow Ball Tournament Registration

Bring a Toy or donate \$20 for 2 mulligans!





December 18th—Bay Oaks Christmas Reception, Scholarship

Awards and Prize Handouts! With special guest, Magician Kyle

Ryan and TONS of gifts to hand out!!!



Pest Management Practices Survey now open

GCSAA needs to know your pest management practices through the Pest Management Practices survey (no pesticide records required). This information provide much needed data in order for GCSAA to advocate on behalf of the golf course industry and superintendent profession. Without it we don't have the data supporting the facts supporting golf courses as professionally managed green-spaces.

Take the Pest Management Practices Survey now »

Survey sequence

Water Use and Conservation: Fall 2014

Nutrient Use and Management Practices: Spring 2015 Pest Management Practices: Open through Nov. 19, 2015

Energy Use and Environmental Stewardship Practices: Spring 2016 **Property Profile and Environmental Stewardship:** Fall 2016



Why conduct a second phase of surveys?

It is vital to have up-to-date data on water conservation practices, water use, nutrient use, etc. to better respond to government inquiries, proposed regulations, support research/innovation, and provide education and resources for those who professionally manage the golf facility. This also measures change in light of industry efforts within the industry and to better demonstrate golf's environmental stewardship.

What will the survey process be?

Surveys will be emailed to superintendents with valid email addresses and representing the approximate 15,000 golf facilities within the United States. The email will provide a link to the online survey. The National Golf Foundation developed the first surveys for GCSAA and will provide their services again for this second phase of surveys.

Incentives

GCSAA will provide service points for members who complete the survey and will offer other "prize drawing" incentives throughout the survey process for all superintendents who submit a completed survey. Only survey data for the United States will be reported, but members throughout the world can complete a survey. Incentives for the first survey (Water Use and Conservation) will include:

• GCSAA members will receive 0.25 service points for completing the survey.

All superintendents who complete the survey will be entered into a prize drawing. In each of the seven agronomic regions identified in the survey, three \$100 gift cards will be awarded for a total of 21 winners.

Contact information

For additional information contact Mark Johnson, associate director, environmental programs, at 800-472-7878, ext. 5161, or by email at mjohnson@gcsaa.org.



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golf industry show



GCSAA member registration will open Nov. 3, 2015. General attendee registration will open Nov. 17, 2015. Exhibitor registration will open in December.

REGISTRATION

HOTEL AND TRAVEL

Lone Star GCSA Annual Reception February 10, 2016 7-11 pm San Diego, CA







Congratulations to all our 2015 Scholarship Winners!

Jessica Anderson
Claire Barclay
Phoebe Browne
Heather Dailey
Leigh Drabing
Anna Johnston
Matthew Lyles
Zane Mrosko
Kelly Ratcliff

Abigail Schultheis



Welcome, Congrats and Welcome back!

Patrick O'Neal Supt: Woodforest GC

Bryan Pace Supt: Windrose GC

Steve Byington Supt: Westfork GC

James Mazowieski Asst. Supt: Black Hawk GC

Alex Kugelberg former Asst. at Blackhorse is now the Supt at Willow Creek GC



Click Here for All Job Postings

(Superintendent Positions,
Asst. Positions, Technician Positions, Special Supt Positions,
like ranches and
sports fields are all
listed on the website!)



Water BMP (Best Management Practice) Plan

5 Easy Steps to Getting your Plan Completed!

Free Meeting fee (\$60) for any STGCSA member that sends in their BMP Plan to the office!!

Step 1: Click Here to see a sample BMP

Step 2: <u>Download This Spreadsheet</u> to calculate your actual irrigation based on your site specific weather data (ET, Rainfall, Evaporation, etc.), acreage, irrigation system and alternative water sources. Fill in and modify the data in the YELLOW shaded areas in each tab based on your individual facility and the calculations will be done for you. Helpful websites for useful data are listed.

Step 3: Use <u>This Reference Guide</u> to find helpful websites to collect data and other useful information.

Sept 4: <u>Use this BMP Template</u> to complete your plan.

Step 5: Email you completed plan to lsgcsa@lsgcsa.org

Need More Information? Click Here!



WOTUS Rule Stopped Nationwide

2015-10-09 | Chava McKeel, GCSAA - October 2015

On Friday, October 9, the U.S. Court of Appeals for the 6th Circuit has stayed the implementation of the EPA and Army Corps' of Engineers Clean Water Rule (otherwise known as "WOTUS"). The effect of the decision is to put the rule on hold nationwide.

As we <u>have noted previously</u>, legal activity has occurred simultaneously at the district and appellate court level on the validity of the WOTUS rule. The decision by the 6th Circuit does not change that. It does however stop – at least temporarily - any further implementation of the WOTUS rule until a final decision on its merits. In this latest filing, 18 states including OH, MI, TN, OK, TX, LA, MS, GA, WV, AL, FL, IN, KS, KY, NC, SC, UT and WI petitioned the 6th Circuit for a nationwide stay of the rule, citing the need to preserve the status quo as the merits of the rule are decided. In their petition the states contend:

- 1) The Rule's treatment of tributaries, "adjacent waters", and waters having a "significant nexus" to navigable waters is at odds with the Supreme Court ruling in *Rapanos*, where the Court vacated the Sixth Circuit's upholding of wetlands regulation by the Army Corps of Engineers.
- 2) It is far from clear that the new Rule's distance limitations are harmonious with the instruction.
- 3) The rulemaking process by which the distance limitations were adopted is facially suspect.
- 4) The proposed rule did not include any proposed distance limitations in its use of terms like "adjacent waters" and significant nexus.

In deciding on granting the stay, the Court concluded "the petitioners have demonstrated a substantial possibility of success on the merits of the case". (Page 4 of decision) The order offered the following reasons for issuing the nationwide stay:

- (1) the likelihood that the party seeking the stay will prevail on the merits of the appeal;
- (2) the likelihood that the moving party will be irreparably harmed absent a stay;
- (3) the prospect that others will be harmed if the court grants the stay; and
- (4) the public interest in granting the stay.

The 6th Circuit ultimately made its decision on this fact:

"What is of greater concern to us, in balancing the harms, is the burden—potentially visited nationwide on governmental bodies, state and federal, as well as private parties—and the impact on the public in general, implicated by the Rule's effective redrawing of jurisdictional lines over certain of the nation's waters. Given that the definitions of "navigable waters" and "waters of the United States" have been clouded by uncertainty, in spite of or exacerbated by) a series of Supreme Court decisions over the last thirty years, we appreciate the need for the new Rule. In one sense, the clarification that the new Rule strives to achieve is long overdue. We also accept that respondent agencies have conscientiously endeavored, within their technical expertise and experience, and based on reliable peer-reviewed science, to promulgate new standards to protect water quality that conform to the Supreme Court's guidance. Yet, the sheer breadth of the ripple effects caused by the Rule's definitional changes counsels strongly in favor of maintaining the status quo for the time being." (Page 5-6 of decision)

The GCSAA will continue to monitor the legal developments impacting the Clean Water Rule and update our members on gcsaa.org. We will also continue to push for passage of legislation in Congress to stop the rule. Please use our <u>S. 1140 action alert</u> to help support this effort.

Here is a copy of the <u>nationwide order</u>.

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Lone Star Luncheon Wednesday December 16th at 11:30 am

From the October 2015 issue of GCM magazine:

Influence of temperature on fungicide persistence

When fungicides fail, could it be the temperature's fault?

Paul L. Koch, Ph.D., and James P. Kerns, Ph.D.

For most superintendents, fungal diseases are the primary pest at their facilities. Despite frequent fungicide applications, certain turfgrass diseases such as dollar spot and anthracnose are still commonly observed, especially during hot and humid conditions. Dr. Rick Latin from Purdue University has identified three primary factors that affect fungicide performance in a turfgrass system (7). The first factor is disease pressure, which encompasses several factors relating to the aggressiveness of the pathogen, amount of pathogen inoculum and the susceptibility of the host. The second factor is fungicide deposition, which relates to the fungicide application itself and includes application rates, reapplication intervals and coverage. The third factor is the depletion of fungicides and fungicide protection, which, to date, has been difficult to quantify and is rarely considered by superintendents, technical representatives or diagnosticians when investigating a fungicide failure.

Temperature is a critical environmental factor for the initiation of turfgrass disease. However, temperature may affect not only the activity of the pathogen and the host, but also the persistence of fungicides applied to protect the turf. Of the six processes affecting fungicide depletion on turfgrass, four — volatilization, plant uptake, biotic degradation and abiotic degradation — are directly or indirectly influenced by temperature (9). Research from turfgrass and non-turfgrass systems alike has presented conflicting results on the impact of temperature on fungicide persistence. Increased depletion of chlorothalonil, triadimefon and iprodione was observed at higher temperatures on potato foliage as well as in agricultural soils (1,11,13). Conversely, other research has shown little or no effect of temperature on the degradation of fungicides from peanut, tomato and creeping bentgrass leaves (3,4,10).



Despite numerous fungicide applications —10 or more in some cases
— fungal diseases such as dollar spot can still be problematic.

Photos by Paul Koch



Turfgrass plugs were removed from all test plots and placed in growth chambers at three different temperatures to determine the effect of temperature on fungicide degredation.

Continued on page 12

These conflicting reports make it difficult to determine the primary agents of fungicide depletion and whether that depletion is influenced by temperature. During the growing season, the most common fungicide reapplication strategy is based on the fungicide manufacturer's label recommendations, often at intervals ranging from seven to 28 days, depending on the fungicide's phytomobility (7). However, these recommendations do not vary based on environmental conditions such as temperature. Measuring the disappearance of fungicides at varying temperatures may show varied depletion rates, and may explain why reducing the reapplication interval and increasing the application rate is an effective means for managing disease during hot and humid conditions. Conversely, if fungicide depletion is reduced at lower temperatures, then reapplication intervals may be able to be extended beyond the interval recommended on the fungicide label.

The primary objective of this experiment was to measure the concentration of the fungicides chlorothalonil and iprodione at 50 F (10 C), 68 F (20 C) and 86 F (30 C) at weekly intervals for four to five weeks following application. We hypothesized that depletion of both fungicides would be greater at higher temperatures.

Materials and methods

Fungicide concentration was measured using SmartAssay ELISA kits from Horiba Ltd. in Kyoto, Japan.

Fungicides were applied to Penncross creeping bentgrass (Agrostis stolonifera) maintained at 0.5 inch (1.3 centimeters) at the O.J. Noer Turfgrass Research Facility in Madison, Wis. The four fungicide treatments were a non-treated control, iprodione (Chipco 26GT, Bayer), chlorothalonil (Daconil WeatherStik, Syngenta), and a tank mixture of both fungicides; the three temperature treatments were 50 F, 68 F and 86 F. The experimental design was a randomized complete block with four replications, and fungicides were applied on June 22, 2010; June 14, 2011; and Aug. 2, 2011. Daconil WeatherStik was applied at a rate of 5.5 fluid ounces/1,000 square feet (1.59 milliliters/square meter) and Chipco 26GT was applied at a rate of 4.0 fluid ounces/1,000 square feet (1.27 milliliters/square meter). All fungicides were applied in 2.0 gallons of water/1,000 square feet (981.49 milliliters/square meter) and at a nozzle pressure of 40 p.s.i using a CO2-pressurized boom sprayer equipped with two XR Teejet 8004 VS nozzles.

Approximately one hour after application, 18 2-inch (5-centimeter) diameter cores were taken from each 3-foot × 10-foot plot. An equal number of cores from each plot was then placed in each of three growth chambers (50 F, 68 F or 86 F) on the University of Wisconsin-Madison campus. Temperature was held constant in each growth chamber, and the root zone of each core was kept in 0.5 inch (1.7 centimeters) of water to keep plants hydrated. Each core was then kept in its respective growth chamber for zero, seven, 14 or 21 days in 2010. Click here to see graphs and charts





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