

## Sand Hill Farm Golf Course

May 14th  
 Education, Lunch, Golf, and Skeet

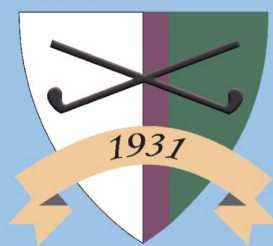
**MUSTANG CAT**

Registration is Open!



May 14, 2018 Sand Hill Farms Golf, Shooting, Education
May 22, 2018 Lone Star GCSA Texas Cup Cottonwood Creek GC, Waco
June 18, 2018 Braeburn Country Club Chapter Championship
July 23, 2018 Deerwood Country Club Member/Guest/Guest/Guest
August Scholarship Banquet Site and Date To Be Determined
September 11 Superintendent / Pro Shadowhawk Golf Club
October 8 Education Meeting Northgate
November 6 Annual Meeting and Past Presidents Meeting Kingwood Country Club

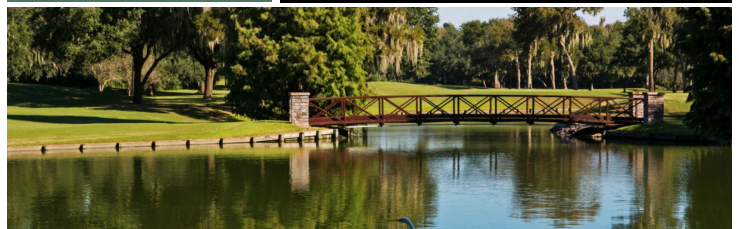
## Brae Burn



## Chapter Championship

June 18, 2018

*Save the  
 Date!*



# Presidents Message - Kyle Brown



Happy Spring, the sound of aerifiers is getting louder. I would like to start this months message with an update on our search for a new Executive Director for our association. We are fortunate that we had a number of good candidates apply for the position and are now going through the interview process. We will send out an announcement once the process is complete and we are able to name our new Executive Director. In the interim our association is fortunate to have Carol Cloud serve as our interim Director and she is doing a great job.

Be sure to sign up early for the May 14 meeting at Sand Hill Farm as golf is limited to 56 for this event. In addition to our education speaker, Rick Blasi who is speaking on adjuvants and water conditioners, Brian Johnson has a fun day of shooting, golf and putting planned for us. Our next STGCSA event is the Chapter Championship on June 18th at BraeBurn Country Club hosted by Terry Gill.

Remember if your child is applying for one of the Legacy Scholarships, transcripts are due July 1. The Board of Directors is also happy to announce that the new GIS Scholarship is being named in honor of Marian and is available. This scholarship will send two deserving STGCSA Superintendent Members to the 2019 GIS in San Diego. Look for the application and details on the webpage. Have a good Spring.

Kyle Brown  
Golf Course Superintendent  
Bay Oaks Country Club



## The South Texas GCSA is proud to announce the: 2018 STGCSA Marian Takushi Memorial GIS Scholarship

The STGCSA is sending two deserving Superintendent Members to the February 2019 Golf Industry Show in San Diego, California.



The scholarship will cover the cost of registration, round trip airfare between Houston and San Diego, 4 nights hotel stay, a \$50/day stipend and registration for one ½-day seminar.

The scholarship is intended to assist STGCSA Superintendent Members whose club does not normally pay for them to attend the conference, though all are welcome to apply.

The applicants selected will be asked to write a short article for the March 2019 Tee to Green issue recapping your experience and how you benefitted from attending the conference. If you are interested in applying please fill out the application and return to [stgcsa@stgcsa.org](mailto:stgcsa@stgcsa.org) by October 1, 2018.



[CLICK HERE TO APPLY FOR THE SCHOLARSHIP](#)



# Sand Hill Farm Golf Course

May 14th

Education, Lunch, Golf, and Skeet

# MUSTANG



## Registration is Open!



We look forward to a great event at the beautiful Sand Hill Farm Golf Course in Waller. Our host Brian Johnson has a great day planned to include skeet shooting, education, lunch, golf, and a putting contest.

Rick D. Blasi with Helena



Agri-Enterprises will provide some great education on adjuvants, soil, and water conditioners.

The field is limited to the first 56 golfers, so register today!

Host: Brian Johnson

8:00 - 9:45 Shooting

9:30 - 10:00 Registration

10:00 - 11:00 Guest Speaker

11:00 - 12:00 Lunch

12:00 - 2:00 Golf 9-holes

2:00 - 3:00 Putting Course 18-holes

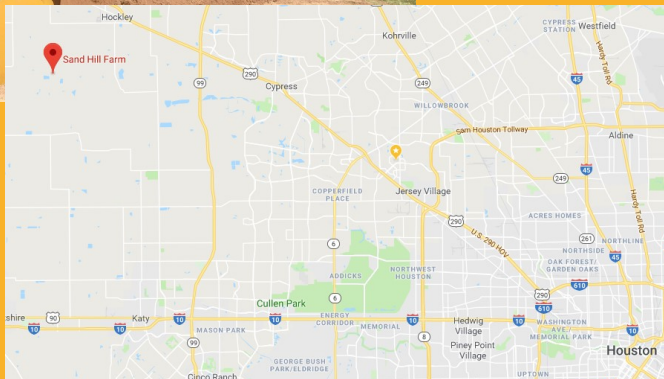
12:00 - 3:00 Shooting optional for non-golfers

Format: Individual

\$60 - Education, Lunch, Golf, Shooting

\$20 - Education and Lunch Only

**CLICK HERE  
TO  
REGISTER**





**THE TEXAS CUP \* MAY 22**  
**COTTONWOOD CREEK GOLF COURSE – WACO**

**WINFIELD<sup>®</sup>**  
**UNITED** *Title Sponsor*

**Golf Format: 2 Person Select Drive**  
**Sign up as a team or we will pair singles**

---

**Entry Fee - \$150 per team**  
**If both players are members of the LSGCSA**  
**\$200 per team**  
**If only one LSGCSA member and a guest**


---

**Optional Mulligans - \$10 per player**  
**Optional Skins Game - \$20 per team**

---

**Eligibility: A,B, and C - Current Members of the Lone Star GCSA (requires chapter membership)**

**Affiliate Members – Must be current Lone Star GCSA Members**

 **CLICK HERE TO REGISTER FOR THE TEXAS CUP!**



**WINFIELD<sup>®</sup>**  
**Helping You Win**

**Solutions. Service. Insights.**

When it comes to your course, you need a partner that's consistently above par. Count on us for the right products and the technical insights you need to help your business thrive.

**WinField - Houston**  
 4818 North Sam Houston Pkwy, Suite 100

**Scott Anderson**  
 713-248-4145

**Pat Neuendorff**  
 281-216-9290

**winfieldpro.com**



WinField is a registered trademark of Winfield Solutions, LLC.  
 ©Winfield Solutions, LLC, 2015

**TEXAS CUP 2018 – SCHEDULE OF EVENTS**

	10:30 Registration / Range Opens
	11:30 Lunch Buffet
	1:00 Golf – Shotgun Start
	Scoring and Reception Following Golf







Sue Rinehart Warren  
281.432.7263

David Johnson  
936.522.8589

[suehart@sbcglobal.net](mailto:suehart@sbcglobal.net)  
[RinehartTrucking.com](http://RinehartTrucking.com)

**Golf Course & Athletic Field Materials**  
Providing materials for Maintenance and  
Construction for over 25 years



Since 2006, the Golf Course Superintendents Association of America (GCSAA) has been conducting a groundbreaking project, the Golf Course Environmental Profile (GCEP), to develop a comprehensive environmental profile of golf courses in the United States. A first phase of the five-survey study developed a baseline of data, and the second phase, completed in 2017, was used to measure change with updated trend analysis.

Here are five ways golf courses have shown improvement in the past decade, as documented in the GCEP:

- Energy use: Annual median energy use at U.S. golf facilities has decreased 8.3 percent, this was primarily the result of a 31.4 percent decrease in consumption of electricity since 2008.
- Nutrient use: U.S. golf courses have significantly decreased overall nutrient use since 2006, including a 34 percent reduction in nitrogen, a 53 percent reduction in phosphate and a 42 percent reduction in potash.
- Pest management: Golf courses have increased their reliance on non-pesticide pest control practices such as cultural control, plant growth regulators and biological control.
- Land use: The amount of maintained turfgrass on an average 18-hole golf course has decreased from 99 to 95 acres, with 46 percent of average 18-hole courses having increased natural area acreage.
- Water use: Use of recycled water increased by 32.7 percent. Recycled water now counts for 25 percent of all water used on golf courses, thereby reducing the use of surface, ground and potable water sources.




## This is Helena Houston & We've Got You Covered!

**Colt Phillips**  
phillipsCB@helenachemical.com  
832-596-8532

**Eric Glover**  
glovere@helenachemical.com  
409-766-0828

**Chris Webster**  
websterc@helenachemical.com  
281-785-2095






Helena, CoRoN, KickStand, Reservoir and People...Products...Knowledge... are registered trademarks of Helena Holding Company. Renova is a registered trademark of Valagro. Always read and follow label directions.  
© 2015 Helena Holding Company.

People... Products... Knowledge®..

## Career: Tell your teamwork stories

Try these tactics to demonstrate teamwork skills throughout your résumé and career documents to catch an employer's eye. Mar 2018 | Carol D. Rau, PHR



Golf industry hiring managers consistently rank teamwork high among the desirable attributes they're looking for when recruiting professionals at all levels. However, unlike qualifications that can be easily verified — such as education and agronomic experience — demonstrating teamwork is a bit more nuanced.

If hiring managers want their next superintendent, equipment manager or assistant superintendent to possess teamwork skills, how can you be sure you're conveying these when conducting a job search? In this month's column, we'll take a closer look at the meaning of "teamwork" and ways you can incorporate it into your career message and documents to set yourself apart from a crowded pool of candidates.

### Speak to the common goal

Definitions of teamwork always mention having a common goal, purpose or objective. I believe simply framing your work and accomplishments through the lens of how they've impacted your current golf facility's mission (goals, purpose and objectives) is an effective way to demonstrate teamwork.

For example, one superintendent I worked with explained that several times throughout the summer, he and his crew would take the time to set up the golf course with fairway tees and easy hole locations for beginner and junior golf events. He was willing to take these additional steps to support a club-wide goal of targeting young families to grow membership and engagement. The superintendent's extra effort played a key role in helping the club gain new members, so we included this story in his résumé and interview comments. Through this, he was able to communicate not only that he takes care of all levels of golfers, but that he can be flexible and collaborative to help achieve overall club objectives.

[Click here to read the entire article](#)

## PUMPING STATION SALES & SERVICE



PUMPS, MOTORS  
& CONTROLS, INC.



PO Box 841383, Pearland, TX 77584

Office: 281-485-4670 Fax: 281-485-5020

Sales: 281-772-0362 Service: 832-256-8983

<http://www.pmc-service.com> [info@pmc-service.com](mailto:info@pmc-service.com)

*Intelligent Use of Our Natural Resources*



- Inspections
- Intake Screens
- Wet Wells
- Foot Valves
- Floating Intakes
- Silt Removal
- Welding & Fabrication
- Pump Repair Shop
- Parts & Service
- Pump & Motor
- Control Valves
- PLC's & HMI's
- VFD Controls
- Conv. Controls
- Upgrades
- Retrofits
- Remote Monitoring







Keep in touch  
with our GCSAA  
Field Staff  
Representative

**JOHN WALKER**

South Central regional representative

Before joining the GCSAA staff, John Walker was a superintendent, 30-year GCSAA member and past GCSAA board director.

JWalker@gcsaa.org Tel. 713-557-0279

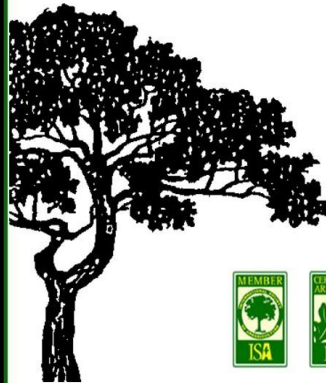
[CLICK HERE TO VISIT THE SOUTH CENTRAL REGION PAGE](#)



**HOW DO YOU TAKE YOUR GCM MAGAZINE?**



GCMOnline.com



**ARBOR CARE, INC.**  
(Tree Care Specialists)

**John Dailey**  
President  
713-694-8898

Fax: 713-694-8895  
336 McFarland Rd.  
Houston, TX 77060

www.arborcarehouston.com



*Millions of Branches to Serve You*



**Turf Materials Inc.**

*Quality Materials To Make Your Golf Courses The Best They Can Be*



**KEITH WATSON**  
keith@turfmaterials.com  
281-642-4729

- Champion Select Topdressing Sand
- Houston Choice White Bunker Sand
- Premier White (crushed) Bunker Sand
- Pro Choice White Bunker Sand
- Custom Blending - Greensmix

Divot Mix

Decomposed Granite

Pea Gravel

Crushed Limestone



**469.264.7393**

www.turfmaterials.com



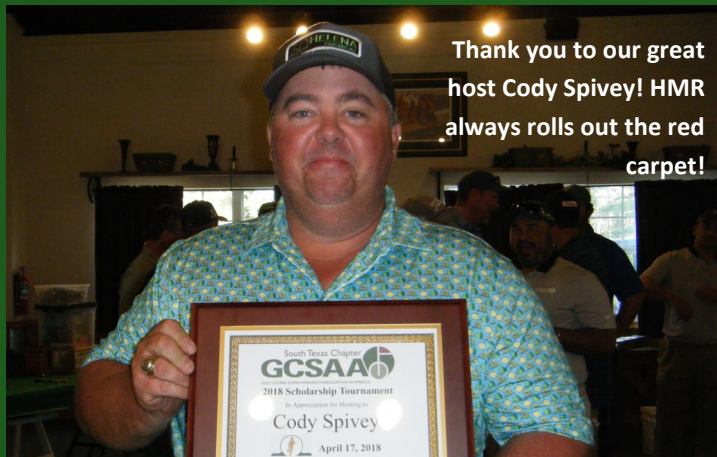
P.O. Box 2213  
Rockwall, TX  
75087



# A great day at High Meadow Ranch!



Thank you to Cody Spivey for hosting us at High Meadow Ranch Golf Club for the Annual STGCSA Scholarship Tournament. The final tally is being calculated, but it looks like we have raised over \$25,000 for the scholarship fund! Thank you to all the participants and donators! We had a great day for golf and our excellent auctioneer was our favorite Bill Freeman who does a great job every year of getting in our pockets. And all for a great cause! Thank you Bill.



Thank you to our great host Cody Spivey! HMR always rolls out the red carpet!



**P  
M  
T  
S**

**“Service and Solutions when you need them!”**

- Pumps
- Motors
- Controls

Office: (830)632-5504  
 GM/ Owner  
 Ric Martinez : (512)743-7867  
 Sales & Service  
 Jr Martinez: (512)743-7869  
 Rangel Martinez: (512)402-4173

[WWW.PMTSERVICE.COM](http://WWW.PMTSERVICE.COM)



**PumpStationProfessionals**  
 Partner

**MCII**  
 Authorized Service Center

**FLOWNET**

**RAIN-BIRD**  
 AUTHORIZED SERVICE PROVIDER

**PSN**  
 PUMP SERVICE NETWORK

Available on  
**BuyBoard**  
 Cooperative Purchasing



# TOURNAMENT RESULTS

1st Gross

57 - Mike Archer, Kyle Scott, Joey Taylor, Walt Wilson

2nd Gross

57 - Ben Dickerson, Cody Skarpa, Jason Barrington, Steve Gilley

3rd Gross

58 - Kevin Hill, Jeremy Ice, Ryan Rosecrans, Seth Johnson

4th Gross

59 - Mark Haven, Joseph Haven, Wally Mathews, Mr. White

1st Net

43.5 - Adam Buys, Carl Tolbert, Richard Oaks, Knight Doggett

2nd Net

45 - Chris Lineberger, Joe Lobb, Ed Schultheis

3rd Net

46.75 - Dennis Klene, Clay Nicholson, Ryan Miley, Jayson Zahradnik

4th Net

47.25 - Bill Freeman, Taylor Cabler, Chris Lepore

Random Draw - Non Winners

Brian Cloud, Kyle Cloud, Johnny Walker, Pat Neuendorff  
Chris Mrosko, Steve Vaughn, Alan Plagens, Brian Sladek

Proximities

#1 CTP 2nd shot Tobias Herrera

#2 Long Drive Kyle Scott

#3 CTP 2nd shot Knight Doggett

#4 Long Drive Carl Tolbert

#5 CTP Par 3 Steve Gilley

#5 CTP Par 3 Pro only Garrett Driver

#6 CTP 2nd shot Jason Barrington (holed out)

#7 CTP 2nd shot Tanner Light

#8 CTP 2nd shot Terrell Gallman

#8 CTP 2nd shot Pro only Joey Perez

#9 CTP Par 3 Terry Gill

#10 Long Drive Ed Martinez

#11 CTP 2nd shot Brandon Zerface

#12 CTP 2nd shot Carl Tolbert

#13 Long Drive Jon Snider

#13 Long Drive Pro only Jamie Christianson

#14 CTP 2nd shot Kevin Hill

#15 CTP 2nd shot Mike McCleary

#16 CTP Par 3 Seth Johnson

#17 CTP 2nd shot Jared Bonar

#18 CTP 2nd shot Junior Schuette





National Golf Day attendees gathered in the Rayburn House Office Building. The day's agenda included more than 200 congressional meetings.

# WE ARE GOLF

## National Golf Day 2018 rewind

A robust GCSAA presence joined the We Are Golf coalition to represent and advocate for the golf industry in Washington, D.C.

May 01, 2018 | GCM staff

During the 11th annual National Golf Day on April 25, golf industry leaders participated in a record-high 230 meetings with members of Congress representing 40 states to discuss the game's economic, social and environmental contributions.

Conversations with senators, representatives, the executive branch and federal agencies' directors coincided with Tuesday's release of the new U.S. Golf Economy Report, which showed \$84.1 billion in activity was directly driven by golf in 2016, a 22 percent increase from \$68.8 billion in the 2011 report. The industry supported \$191.9 billion in total annual activity, including 1.89 million jobs and \$58.7 billion in wages and benefits. Demonstrating golfers' and businesses' commitments to charity, \$3.94 billion was raised in 2016 through tournaments and other golf activities.

The fourth report since 2000 to measure golf's impact, the 2016 research encompassed golf course operations, tourism, real estate, supplies, tournaments, associations, charitable events, capital investment and other commercial segments.

Produced by We Are Golf — a coalition of the game's leading associations and industry partners — National Golf Day brought together heads of golf organizations and companies from throughout the United States.



Volunteers for the April 24 Community Service Project tied to National Golf Day numbered 175, and they collectively tackled 18 beautification and preservation projects on the National Mall.

tion, the administrator of We Are Golf. "Meeting with many powerful lawmakers and influencers helps educate people about golf's numerous benefits, grow participation, and preserve the game's legacy for future generations."

The We Are Golf agenda centers on golf course owners and operators receiving tax relief from natural disasters, labor policies, physical fitness legislation, tax reform, and environmental sustainability and conservation.

CONTINUED ON NEXT PAGE

# GCM

POWERED BY GCSAA

**BOWLIN CONSULTING**  
 Planning • Design • Mapping

**Stovy L. Bowlin, PhD**  
 TCEQ Licensed Texas Irrigator #LI10009265  
 IA Certified Irrigation Designer  
 IA Certified Golf Irrigation Auditor  
 (C) 512-560-0010 stovy@bowlinconsulting.com

#### Collaborating to Bring You Turnkey Irrigation Design & Consulting Services

New Construction & Renovation Projects;  
 AutoCad Design; GPS Mapping; As-Built Drawings; Central Control Programming; Interactive Maps; Irrigation System Audits; Government Permitting; Water Demand and Water Use Analysis; Staff Training

**LARSON**  
 GOLF SERVICES, LLC

**Robert K. Larson**  
 (C) 903-244-8297 rlarson@larsongolfservices.com

**Kyle R. Larson**  
 TCEQ Licensed Texas Irrigator #LI10022226  
 TCEQ On-Site Sewage Facilities Installer I  
 IA Certified Golf Irrigation Auditor  
 (C) 830-275-3247 klarson@larsongolfservices.com

**Larson Golf Services Offers Comprehensive Golf Construction Services**  
 USGA Greens Construction; Laser Guided Tee & Bunker Shaping & Construction; Total Golf Course Renovations; GPS As-Built & Mapping; Irrigation Repairs & Maintenance; Lake & Tank Construction



“Golf is a lifetime sport. It teaches values to the young and helps the seasoned golfer stay physically fit. Nebraska boasts some of the most diverse and beautiful golf destinations in the world,” says U.S. Sen. Deb Fischer from Nebraska. “On National Golf Day, we celebrate our love of the game and renew our commitment to ensure Americans can continue playing for generations to come.”

Golf ambassador and social media influencer Paige Spiranac joined the We Are Golf contingent to promote the health and wellness aspects of playing. An 18-hole round equates to a 4- to 5-mile walk and up to 2,000 calories burned.

Highlight exhibits in the Rayburn House Office Building foyer included golf lessons and swing analysis for Congress members and staff from Michael Breed, former PGA Teacher of the Year and SiriusXM PGA Tour Radio host, and Deb Vangellow, LPGA teaching professional. A closest-to-the-pin contest and Srixon/Cleveland Golf “Republicans vs. Democrats Putting Challenge” created spirited competition with support from aboutGolf, GolfTEC, Titleist and other industry brands.

The second annual Community Service Project held the previous day featured 175 participants focused on beautifying and preserving the National Mall in Washington, D.C. Golf industry leaders volunteered to lay sod, rake, edge, overseed, aerate, brush walkways and spruce gravel pathways across 18 projects from the Capitol Building to the Washington Monument. The four hours of “roll-up-your-sleeves” work saved the National Park Service nearly four months of labor.

**Thank you Tim Phillips for representing the South Texas GCSA at National Golf Day!  
Great job!**



Check out the new Texas Turfgrass Association website

[Texasturf.com](http://Texasturf.com)

We'd love your feedback!

*Authorized full line distributors of the world's most innovative brands.*



**Brookside  
Equipment Sales, Inc.**

Golf Sales, Parts & Service  
**281-373-1087**



[JohnDeereGolf@BrooksideUSA.com](mailto:JohnDeereGolf@BrooksideUSA.com)  
[www.BrooksideUSA.com](http://www.BrooksideUSA.com)



Chris Mrosko **713.898.6252** [Chris@ameriturf.com](mailto:Chris@ameriturf.com)  
Brent Ratcliff **713.819.1988** [Brent@ameriturf.com](mailto:Brent@ameriturf.com)  
Office **(877) 441-8873** | [www.ameriturf.com](http://www.ameriturf.com)

## RANDQUIST NAMED GCSAA CHIEF OPERATING OFFICER

Golf industry veteran assumes COO position May 29.

Bringing decades of influence and experience in the golf industry, Robert M. Randquist, CGCS, has been named chief operating officer for the Golf Course Superintendents Association of America (GCSAA).

Randquist comes to GCSAA after 20 years serving as director of golf course and grounds at Boca Rio Golf Club in Boca Raton, Fla., where in the last year he oversaw the renovation of its Robert von Hagge-designed course. The leadership at Boca Rio has always been highly supportive of Randquist's involvement with GCSAA as well as his new opportunity.

Prior to Boca Rio, he spent two decades as superintendent at Southern Hills Country Club in Tulsa, Okla., where he hosted the 1982 and 1994 PGA Championships and helped secure the 2001 U.S. Open.

No stranger to GCSAA and its members, Randquist served as the association's president in 2011. He has been a GCSAA member for 41 years and became a certified golf course superintendent in 1985. Randquist served on the USGA Green Section Committee for 27 years and has been honored by the USGA with its Ike Grainger Award, which recognizes 25 years of volunteer service.

"Bob has always been an active member and wonderful advocate for GCSAA, and I am very excited for him to join our team," GCSAA Chief Executive Officer Rhett Evans said. "His leadership skills, coupled with his strategic thinking and proven ability to deliver results, make him the right person to help execute our strategic priorities. His wealth of experience across the golf industry will be a valuable asset as we continue to accelerate the delivery of our programs and services to our membership. I'm looking forward to a successful partnership as he oversees the day-to-day operations while I represent GCSAA on a more external front."

In his senior leadership role, Randquist will be responsible for managing a broad and complex array of functions and facilitate multiple projects to meet the objectives of the association. While he will represent GCSAA and maintain relationships with industry and allied partners, his main focus will be on internal stakeholders and being an integral part of the headquarters' culture. [CLICK HERE TO READ FULL ARTICLE](#)



"Authorized Marketer"  
Customer-Focused Solutions  
**CHEVRON LUBRICANTS**

Automotive Commercial Industrial DEF Fuel

3310 Alice Street  
Houston TX 77021

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

Contact: Carl Tolbert

713.320.5947 (P)

281.789.4291 (F)

[Carl.Tolbert@RelaDyne.com](mailto:Carl.Tolbert@RelaDyne.com)



Quality Petroleum  
Products Since 1958



# ASGCA names new president

By Golfdom Staff | May 1, 2018

Jeff Blume, ASGCA, was elected president of the American Society of Golf Course Architects (ASGCA) at the organization’s recent 72nd Annual Meeting in his hometown of Houston.

Blume is a Landscape Architecture graduate of Texas A&M University. He first joined the firm of ASGCA Past President Jeff Brauer, GolfScapes, where he rose to the position of project architect. Blume then moved to the firm of Robert von Hagge, serving as project architect for assignments in the United States, Japan, Mexico and the Caribbean.



After five years, with von Hagge, Blume formed his own design firm, Jeffrey D. Blume, Ltd. Blume and his company have, among numerous projects, designed the Grand Pines Golf Club at Bentwater, in Montgomery, Texas, and led renovation projects at a number of courses including Golf Digest Best New courses recipients The Golf Club at Texas A&M in College Station, Texas, and Boiling Springs Golf Club in Woodward, Oklahoma.



**Jeff Blume, ASGCA**

“ASGCA is truly unique among professional societies, and reflects the traditions and values of the game we serve,” Blume said. “We are a group of competitors that battle for commissions and attention on a daily basis, but collaborate, assist and mentor those with whom we compete. The camaraderie that we all share as a result of our common love for this great game binds us together.”



As he focuses on his upcoming time as ASGCA president, Blume plans to draw attention to the positive economic results being seen by those who invest in golf facilities of all sizes and shapes.

“The state of the game is strong, and we should all be committed to reminding folks of this whenever we have the opportunity,” he said. “Golf is a sound financial investment that carries with it many social, environmental and physical benefits.

“Golf course owners and operators are taking steps each day to reduce costs and improve revenues, often with the assistance of ASGCA members. This investment benefits communities in a number of ways, as seen by golf’s \$84 billion annual impact on the U.S. economy. And through it all, golf remains an affordable means of recreation for 24 million people each year, at just \$38 per round, on average.”

Additional Blume projects include the renovation of Sugar Creek Country Club in Sugar Land, Texas, and Lake Charles Country Club in Lake Charles, La., and original course designs that include: The Farm D’Allie Golf Club, Lafayette, La.; Sterling Country Club, Houston; Elkins Lake Ravines Course, Huntsville, Texas; Tasco Golf Club (La Paloma Course), Amarillo, Texas; and Wendeng Golf Club in Shandong Province, Peoples Republic of China.

Blume will serve as ASGCA President through May 2019.





## Don't Let Hard Water Make Weeds Hard To Control

APRIL 6, 2018 By John Daniels, agronomist, Central Region

Hard water – caused by the presence of dissolved cations such as calcium, magnesium and iron – affects about 85 percent of the country and has been shown to reduce the efficacy of glyphosate and other weak acid herbicides. The positively charged cations in hard water bind with the negatively charged glyphosate molecules, resulting in less-effective weed control.

Fortunately, there is a simple, inexpensive remedy. When ammonium sulfate is added to hard water, it breaks down into ammonium and sulfate. The negatively charged sulfate binds to the positively charged cations in hard water. Consequently, conditioning



Adding ammonium sulfate to the spray solution can improve herbicide performance for those dealing with hard water.

hard water with ammonium sulfate in a sprayer before adding glyphosate can improve herbicide uptake and efficacy.

Test your water to determine if and how much ammonium sulfate is needed. Water with a hardness of 200 ppm or more should be treated with ammonium sulfate. As a general rule of thumb, a readily available 51-pound bag of ammonium sulfate per 300 gallons of water is enough to combat issues with hard water.

In addition to hard water, other factors such as pH, turbidity and even water temperature can affect the performance of pesticides. You can learn more about this important but often overlooked issue by reading, *The Influence of Spray Water Quality on Herbicide Efficacy*.



### Important Chapter News and Deadlines

[2018 Membership Renewals Due](#)

[2018 Marian Takushi GIS Scholarship](#)

[2018 Advertising and Sponsorship Opportunities](#)



1-800-621-5994

Visit our website @ [www.gailsflags.com](http://www.gailsflags.com)

Houston Area

**Brent Ratcliff**  
713 - 819 - 1988  
[brentratcliff@comcast.net](mailto:brentratcliff@comcast.net)

**Chris Mrosko**  
713 - 898 - 6252  
[cmrosko@cebridge.net](mailto:cmrosko@cebridge.net)



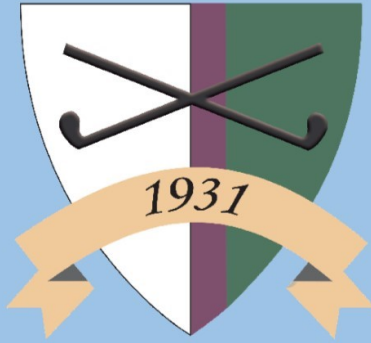
**Kiln Dried Sand and Aggregates**

Vince Gallegos  
1083 Kleimann Lane – Columbus, TX  
Office: 800-460-8210 Cell: 281-224-7433  
[vgallegos@quikrete.com](mailto:vgallegos@quikrete.com)





Brae Burn



# Chapter Championship

June 18, 2018



## Our Host

Terry Gill - Former South Texas GCSA President



### TEXAS SPORTS SANDS

# Exclusive Products. Superior Service. Outstanding Results.



- **Economical, on-site custom blending for small and large volumes**
  - Higher quality blend than bucket blending
  - Portable and efficient operation even in tight spaces
- **Aerification and ultradwarf topdressing sands**  
*(meets USGA specs)*
- **High penetrometer bunker sands, including:**
  - Exclusive supplier for Bunker White (crushed marble) and Arkansas White (crushed quartz)
  - Tour Blend
  - Pro Blend



**Request a Consultation & Quote**  
**972.276.5989 TexasSportsSands.com**

### BWI PROVIDES

- THE BEST SELECTION OF PROFESSIONAL PRODUCTS
- EXCELLENT CUSTOMER SERVICE
- COMPETITIVE PRICES



Custom Blend Fertilizers • Nutrients • Algaecides  
Insecticides • Applicators • Watering Equipment  
Soil Conditioners • Fungicides • Herbicides  
Custom Applications

BWI Schulenburg  
800.460.9713

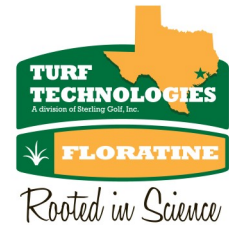


## 2018 BWI EXPO

Information Coming Soon



*PLATINUM 2018 SPONSORS*



*Two Tournament Sponsors 2018*

