



Celebrate STMA's 25th Conference & Exhibition Deep in the Heart of Texas: San Antonio 2014!

STMA TRAVELS TO SAN ANTONIO, TEXAS from January 21-25, 2014 for the association's 25th Conference & Exhibition. San Antonio is a city – the second largest in Texas – rich in American history and steeped in a unique cultural heritage. It is home to the historic Alamo, world-renowned Riverwalk, Missions National Historical Park and scenic Texas Hill Country.

A visit would not be complete without a stop at the world-famous Riverwalk, which opened a new 1.3 mile extension since STMA was there in 2007. In 2010, Travel + Leisure magazine named it one of "America's Coolest River Walks" saying "This granddaddy of river walks charms with four miles of cypress-lined cobble-and-flagstone paths along both sides of the narrow San Antonio River. Locals and visitors cool off on the horseshoe-shaped loop downtown, meandering past trendy shops and stopping at hot spots like Boudro's for guacamole prepared tableside." A number of varied shopping and cultural events abound; the downtown area surrounds the convention center.

The Alamo is, undoubtedly, one of San Antonio's highest-profile attractions and one of the most-visited historical sites in the United States. According to the San Antonio Convention and Visitors Bureau, "The Alamo (Mission San Antonio de Valero) was founded in 1718 as the first mission in San Antonio, serving as a way station

between east Texas and Mexico. In 1836, decades after the mission had closed; the Alamo became an inspiration and a motivation for liberty during the Texas Revolution. For 13 days in 1836, close to 200 Texas defenders held the Alamo from over one thousand of General Santa Anna's troops from Mexico. The most famous of the defenders, William Travis, Jim Bowie, and Davy Crockett, died fighting overwhelming odds for freedom." Additionally, contrary to public opinion, there actually is a basement in the Alamo.

For the past 25 conferences and exhibitions, STMA has provided attendees with a best-in-class experience through innovative educational sessions, networking opportunities, hands on tours of sports facilities and a singular focus on advancing the sports turf industry as a whole. As the premier not-for-profit, professional association for the men and women who manage sports fields worldwide, the association is excited at the opportunity San Antonio provides to show how our dedicated members have moved this organization to where it is now, and to share our board's vision for the next 25 years (and beyond).

We hope to see you in San Antonio, Jan. 21-24, 2014, for STMA's 25th Annual Conference & Exhibition!

Conference Highlights

Celebrate STMA's 25th Anniversary in San Antonio with all the exceptional sessions, semi-

nars, and workshops you've come to expect from the industry's premier sports field association. Explore the rich culture, cuisine and character of a city that has proven to be one of our nation's most endearing travel destinations and benefit from the ultimate learning event of the year!

STMA REGISTRATION HOURS

All at the Henry B. Gonzalez Convention Center

TUES., JAN. 21 — 6:30 am – 6:30 pm

WED., JAN. 22 — 7 am – 6:30 pm

THURS., JAN. 23 — 7 am – 6:30 pm

FRI., JAN. 24 — 7 am – 1 pm

STMA EXPOSITION HOURS

THURS., JAN. 23 — 1:30 – 7 pm (Reception)

FRI., JAN. 24 — 10 am – 1 pm (Lunch)

FULL CONFERENCE REGISTRATION

Just \$375

(Register by Dec. 15. After Dec. 15: \$450)

Includes:

- All education sessions, plus pre-conference workshops
- More than 76 hours of education
- Breakfasts and most lunches
- Receptions and Awards Banquet

General Session – New Time!

Wed., Jan. 22, 8 – 9:15 am

- STMA Past, Present and Future. Hear where we've been, where we are today and where we are going.
- Introductory Remarks – *STMA President Michael Goatley, Jr., Ph.D.*
- Brief History of STMA and the Annual Conference – *Steve Wightman*
- Where We Are Today – 2014 Conference Highlights – *Jeffrey Fowler*
- Keynote: "Skills to Survive in the Future" – *Dr. Rick Rigsby*



Dr. Rick Rigsby
Photo provided
by Lisa Nikole

Keynote Address Dr. Rick Rigsby

"Skills to Survive in the Future"

Dr. Rick Rigsby is a favorite among audiences worldwide. Born and reared in the San Francisco Bay Area, Rick graduated from college in 1978 with a degree in communications and a goal to be a network correspondent. Following a successful career as a television news reporter for a CBS affiliate in Northern California, Rick earned his Master's degree from California State University, Chico followed by his Doctorate from the University of Oregon. Graduate school was followed by two decades as a college professor – the last 14 years at Texas A&M University – where Rick also served as character coach and chaplain for the Aggies football team. In high demand among educational, business, and service organizations and a favorite among professional sports organizations including the PGA and the National Football League, Rick offers common-sense wisdom to those desiring to rise to greater levels of excellence.

STMA Academy

Tuesday, Jan. 21, 2:30 – 5 pm

Attend high level education, pre-conference, at no additional fee.

STMA Networking

Wed., Jan 22, 5:15 – 6:15 pm

Meet with your peers during this formalized networking session. Each category of membership meets separately to share issues and practical solutions.

STMA Welcome Reception & Casino Night

Wed., Jan. 22, 7 – 10 pm

A must-attend networking event. Enjoy heavy hors d'oeuvres and beverages. For those who wish to gamble, there is a separate area for Casino Night, which benefits The SAFE Foundation.

Annual Meeting & Lunch – Members Only

Thurs., Jan. 23, 12 – 1:15 pm

All members are invited to enjoy lunch, hear about STMA's progress and meet your new Board of Directors.

Annual Awards Reception & Banquet

Fri., Jan. 24, 6:30 – 10 pm

Enjoy excellent food and beverages while helping to honor STMA's award winners. Registration required. Coat and tie preferred.

Student Activities

Students are welcome and encouraged to attend all that the conference offers.

Student Networking Session

Wed., Jan. 22, 5:15 – 6:15 pm

Student Educational Track

Thurs., Jan. 23, 8 am – 12 pm

Creating a New Career Path

Abby McNeal, CSFM – Wake Forest University Athletics

Managing and Molding Tomorrow's Field Managers Today

Michael Boettcher – Milwaukee Brewers Baseball Club

Internships and How to Get the Most Out of Them

Zach Severns – Architectural Design, Inc.

STMA Annual Meeting and Lunch

Thurs., Jan. 23, 12 – 1:15 pm

Students have this time open to attend.

SUPPORT SAFE



PARTICIPATE & DONATE!

Last year's activities raised \$30,800. This year's goal: \$40,000

STMA's charity, SAFE, will be holding many activities to raise funds for scholarship, education, outreach, and research.

NEW THIS YEAR – 5K RUN OR WALK!

Fri., Jan. 24, 3 pm.

Please see page 18 for more information.

SAFE GOLF SCRAMBLE

Tues., Jan. 21, 9 am – 4 pm

Please see page 18 for more information.

SAFE CASINO NIGHT

Wed., Jan. 22, 8:30 pm

Gamble for a good cause! Set within the Welcome Reception, Casino Night is a fee-based event that supports the SAFE Foundation. There is no charge to attend the

Welcome Reception. Register early and receive extra chips! See registration form. Walk-ups welcome. When you cash out, you are eligible to win prizes.

SILENT AUCTION

Thurs., Jan. 23, 1:30 – 6:30 pm & Fri., Jan 24, 10 am – 12:30 pm

Held during the exposition. Take home some great bargains. New items daily!

LIVE AUCTION

Fri., Jan. 24, 6:30 – 7 pm

Get some great technology, travel and gift items for unbelievable prices!

RAFFLES

Buy raffle tickets throughout the conference for a chance to win exciting items. The drawing will take place at the beginning of the Awards Banquet (need not be present to win).

SCHEDULE AT A GLANCE

TUES., JAN. 21

6:30 – 8:30 am	Continental Breakfast
6:30 am – 6:30 pm	Registration Open
7 am – 5 pm	Full Day Seminar on Wheels
9:00 am – 4 pm	SAFE Golf Tournament
2:30 – 5 pm	STMA Academy: 400+ level education (included in full conference price)
3:30 – 7:30 pm	STMA Certification Exam
6 – 9 pm	Chapter Officer Training (includes dinner)

WED., JAN. 22

7 – 8 am	Continental Breakfast
7 am – 6:30 pm	Registration Open
8 – 9:15 am	General Session: STMA Past, Present and Future. Keynote Address: "Skills to Survive in the Future" – Dr. Rick Rigsby, Educator & Former Broadcaster
9:30 am – 12 pm	Conference Education
12 – 2 pm	Break
12 – 2 pm	Women's Forum Lunch New Time!
2 – 5 pm	Conference Education
5:15 – 6:15 pm	Conference Networking Sessions
6:30 – 7 pm	First-Timers Reception
7 – 10 pm	Welcome Reception & Casino Night

THURS., JAN. 23

6:45 – 7:45 am	Certification Breakfast
7 – 8 am	Continental Breakfast
7 am – 6:30 pm	Registration Open
8 am – 12 pm	Conference Education & Student Track
12 – 1:15 pm	Annual Meeting & Lunch
1:30 – 6:30 pm	SAFE Silent Auction on the trade show floor
1:30 – 7 pm	STMA Exhibition and Reception
2 – 6 pm	Committee meetings on the trade show floor

FRI., JAN. 24

7 – 8 am	Continental Breakfast
7 – 8 am	Past President's Breakfast
7 am – 1 pm	Registration Open
8 – 10:30 am	Student Challenge
8:30 – 10 am	Conference Education
9 – 10 am	Commercial Member Meeting
10 am – 12:30 pm	Silent Auction on the trade show floor
10 am – 1 pm	Exhibition Open with Lunch, Innovative Sessions
12 – 1 pm	Student Luncheon
1 – 5 pm	Half Day Seminar on Wheels
1:15 – 3 pm	Conference Education
2 – 3 pm	Riverwalk Horticultural Tour via barge (1st departure)
2:30 – 3:30 pm	Riverwalk Horticultural Tour via barge (2nd departure)
3 – 5 pm	SAFE 5K Run/Walk
6:30 – 10 pm	STMA Reception, Live Auction and Awards Banquet

SAT., JAN. 25

8 am – 12 pm	STMA Certification Exam
8 am – 1 pm	ASBA Certification Exam



STMA Student Challenge

Fri., Jan., 24, 8 – 10:30 am

Participants receive FREE conference registration by competing in the Challenge. Undergraduates from two- and four-year institutions are eligible to compete in teams of up to four people. Graduate students are not eligible. Win \$4,000 for your school! Preregistration is required and can only be completed online.

Student Luncheon

Fri., Jan., 24, 12 – 1 pm

Network with CSFMs and other industry professionals during the luncheon provided on the trade show floor. The winners of the Student Challenge will be announced following the lunch.

Conference Tracks

Agronomic

Tues., Jan. 21

2:30 – 5 pm

STMA 400 – Evaluation and Preparation of Fields for Heavy Use
Grady L. Miller, Ph.D.

Wed., Jan. 22

9:30 – 10:45 am

STMA 102 – Making the Impossible Possible: Seed to Playing in 35 Days
Julie Adamski, Ryan Bjorn

11 am – 12 pm

STMA 108 – Aerification Today... Methods and Styles to Help Improve Playing Conditions
Michael Hileman

2 – 3:15 pm

STMA 113 – Changing Perceptions, Pushing Limits: Grass Fields Will Take More
Jerad Minnick

Thurs., Jan. 23

9:15 – 10:15 am

STMA 206 – Keeping It Green While Being Green: Cutting-Edge Environmental Fertilization
Bryan G. Hopkins, Ph.D.

9:15 – 10:15 am

STMA 207 – Bermudagrass Management
John Cisar, Ph.D.

9:15 – 10:15 am

STMA 208 – Cool-Season Turfgrasses for Sports Fields
Brad Park

Fri., Jan. 24

8:30 – 10 am

STMA 300 – Managing High Use Fields
Thomas J. Serensits

8:30 – 10 am

STMA 301 – Teaching the Basics of Soil Physical and Chemical Properties: The Analogy Lecture
Elizabeth Guertal, Ph.D.

Pest Control

Tues., Jan. 21

2:30 – 5 pm

STMA 401 – What Are Your Weeds Telling You?
Jim Brosnan, Ph.D., Gerald Henry, Ph.D.

Wed., Jan. 22

9:30 – 10:45 am

STMA 100 – Improving Plant Performance with Plant Protection Products
John Cisar, Ph.D.

9:30 – 10:45 am

STMA 104 – Safe Playing Fields: IPM, Legislation, and the Sports Turf Manager
Rich Watson

11 am – 12 pm

STMA 106 – Establishing Pest Thresholds on School Grounds
Don Savard, CSFM, CGM

2 – 3:15 pm

STMA 112 – Insect Control Update for Sport Fields – Current & Future Programs
David Shetlar, Ph.D.

STMA CONFERENCE AND EXHIBITION SPONSORS

STMA and SAFE greatly appreciate the support and commitment of our conference sponsors. Please take a moment and thank these companies in the exhibition!



3:30 – 5 pm

STMA 118 – Advanced Turf Disease Management: Maximizing Pesticide Applications to Improve Product Performance
Mike Fidanza, Ph.D.

Thurs., Jan. 23

8 – 9 am

STMA 204 – Managing Sports Fields without Conventional Pesticides
Eric M. Lyons, Ph.D.

Fri., Jan. 24

8:30 – 10 am

STMA 303 – Preventative, IPM, and Organic Management Systems for Schools and Municipalities
Brad Park

Safety

Tues., Jan. 21

2:30 – 5 pm

STMA 402 – Playability and Safety of Bermudagrass Sports Fields
Phillipe C. F. Aldahir, Eric Kleypas

Wed., Jan. 22

3:30 – 5 pm

STMA 119 – Bermudagrass Selection and Management for Athletic Field Performance and Safety in the Transition Zone
Adam Thoms, John Sorochan, Ph.D.

Thurs., Jan. 23

8 – 9 am

STMA 203 – Sports Field Performance Testing: G-Max and Beyond
Ross Kurcab, CSFM

10:45 am – 12 pm

STMA 216 – Sustainability – Player Safety – Performance Testing Are Critical and Integrated Issues for Sport Fields
Gerald Henry, Ph.D., Chase Straw

Facility Management

Tues., Jan. 21

2:30 – 5 pm

STMA 403 – Understanding Our Changing Weather and Climate
Brad Jakubowski

Wed., Jan. 22

9:30 – 10:45 am

STMA 101 – Why Research Matters to Field Managers
Grady L. Miller, Ph.D.

2 – 3:15 pm

STMA 115 – Shop/Tools/Tricks of the Trade to Improve Your Operation
Luke Yoder

3:30 – 5 pm

STMA 123 – Maintaining High School Athletic Fields on a Limited Budget
Bruce Whitehead, CMAA; Hugh McReynolds, CAA

Thurs., Jan. 23

9:15 – 10:15 am

STMA 210 – Liability and Your Facility
Patrick D. McGuinness

10:45 am – 12 pm

STMA 214 – Infield Maintenance at Overbrook HS: Working With What We Have
Rich Watson

Fri., Jan. 24

8:30 – 10 am

STMA 304 – Turfgrass Mathematics 101
Barry Stewart, Ph.D.

1:15 – 3 pm

STMA 309 – John Mascaro's Photo Quiz Comes Alive
John Mascaro

Water

Tues., Jan. 21

2:30 – 5 pm

STMA 404 – Developing and Implementing

Best Management Practices for Sports Field Water Conservation

Kenny Pauley, Kent Dickerson

Wed., Jan. 22

3:30 – 5 pm

STMA 121 – Understanding the Basics of Irrigation Design, Installation, and Troubleshooting
Lynda Wightman

Thurs., Jan. 23

10:45 am – 12 pm

STMA 217 – Sports Fields as a Stormwater Best Management Practice
Rich Moffitt

Fri., Jan. 24

8:30 – 10 am

STMA 302 – Water Quality and Soil Conditions
Nick Christians, Ph.D.

Professional Development

Wed., Jan. 22

9:30 – 10:45 am

STMA 103 – Bridging the Generation Gap in the Turf Industry
Joel Rieker, Tim VanLoo, CSFM

2 – 3:15 pm

STMA 114 – The Lost Art of Communications
Jeffrey Fowler, Evan Fowler

3:30 – 5 pm

STMA 122 – Reading the Tells – Learning How to Read Body Language
Jerry Balistreri

Thurs., Jan. 23

8 – 9 am

STMA 200 – The CSFM Process Demystified
Tim VanLoo, CSFM

10:45 am – 12 pm

STMA 212 – 2013 Field of the Year Winners 2013 FOY Winners



10 am

STMA 305 – Traffic/Wear Tolerance of Kentucky Bluegrass and Perennial Ryegrass Cultivars
Melodee Fraser, Ph.D.

10:30 am

STMA 306 – Technology Tools and Innovations for Groundskeepers
Michael D'Ascanio

11 am

STMA 307 – Overseeding Species: Best Choices for Success
Kathleen Dodson, Ph.D.

11:30 am

STMA 308 – The Use of Grow Lights to Grow Grass Inside Stadiums
Luis Lauretti; Nico Van Vuuren

Construction/Renovation

Wed., Jan. 22

11 am – 12 pm

STMA 109 – Complete Baseball Field Renovation
Keith Winter

2 – 3:15 pm

STMA 116 – Trials and Tribulations of Building a New Sports Field Complex
Roger Havlak

Thurs., Jan. 23

9:15 – 10:15 am

STMA 209 – Arizona Stadium: 2 Years, 2 Renovations
Matt Anderson, CSFM

9:15 – 10:15 am

STMA 211 – Managing Turf in the MLS
Robert Heggie

10:45 am – 12 pm

STMA 213 – Renovation Practices at Real Madrid and Manchester United FC – Part 2
Simon Gumbrell

CEUs

CEUs and Pesticide Recertification Credits

Many organizations recognize the caliber of STMA education and are awarding CEUs! CEUs have been approved by ASBA, NRPA, TTA, TNLA, IA, NIAAA, GCSAA, TCEQ, and PLANET. CEUs are pending for Texas Pesticide Recertification Credits.

Special Professional Development Sessions Dedicated To Students:

Thurs., Jan. 23

8 – 9 am

STMA 218 – Creating a New Career Path
Abby McNeal, CSFM

9:15 – 10:15 am

STMA 219 – Managing and Molding Tomorrow's Field Managers Today
Michael Boettcher

10:45 am – 12 pm

STMA 220 – Internships and How to Get the Most Out of Them
Zach Sevens

Synthetic

Wed., Jan. 22

11 am – 12 pm

STMA 107 – Replacing your Synthetic Infill Playing Surface
Darian Daily

2 – 3:15 pm

STMA 117 – Synthetic In-Fill: Compaction and Advancement in Relief Options
Jason Sentell, Chad Price, CSFM, CFB

Thurs., Jan. 23

8 – 9 am

STMA 205 – Reuse, Repurpose – Where's my synthetic going?
Chuck Klafka

Industry Developments

Wed., Jan. 22

11 am – 12 pm

STMA 110 – New Trends and Technology in Sports Turf
Representatives from STMA Commercial Companies

3:30 – 5 pm

STMA 120 – Latest Trends in European Turfgrass
Massimiliano Del Viva, Marco Volterrani, Alessandro De Luca

Thurs., Jan. 23

8 – 9 am

STMA 201 – Traffic Tolerance and Turf Recovery: It Just Doesn't Happen
John Rector, Joseph K. Wipff, Ph.D.

8 – 9 am

STMA 202 – Using Soil Moisture & Temperature Sensors as a Part of an Integrated Approach to Managing Athletic Fields
Amy Fouty, CSFM

10:45 am – 12 pm

STMA 215 – Crumb Rubber Research and Real World Applications to Improve Athletic Fields
John Sorochan, Ph.D., Tim Vanini, Ph.D.

Fri., Jan. 24

10 am – 12 pm

Innovative Sessions:

OPTIONAL EVENTS

Seminar on Wheels Tour

Tues., Jan. 21

Full day tour, 7 am – 5 pm

The tour begins at the STAR soccer complex, a 13-field natural grass complex located in the former Longhorn Quarry. STAR is home to the San Antonio Scorpions, a new professional soccer team playing in the North American Soccer League (NASL). Tour stops also include Texas State's Jim Wacker Football Field in Bobcat Stadium, which recently had a \$20 million renovation, and its softball and baseball fields. The baseball field has a special infield mix that reduces the need for tarping. Participants will stop next at the Park West Athletics Complex that holds a new International Association of Athletics Federations (IAAF) track and Fédération Internationale de Football Association (FIFA) soccer field at the University of Texas—San Antonio. These facilities opened in August, each seat 1,000 people, and were built through a unique partnership with the university, the City of San Antonio, and Bexar County. The

final stop is at Oak Hills Country Club, one of the oldest private country clubs in the country, to tour the renowned tennis centre. It has a rare combination of three court surfaces including grass, clay and hard surface. Transportation and lunch included. Pre-registration and additional fee required.

Seminar on Wheels Tour

Fri., Jan. 24

Half day tour, 1 – 5 pm

Participants will see the baseball, softball, soccer, football and intramural fields at Trinity University. These fields are in an urban setting and are closely located by each other. Trinity has no practice fields. The next stop is The Park at St. Mary's University, a new sports complex that has baseball, softball and soccer. The new 2200-seat baseball stadium, renamed Dickson Stadium for its benefactor, is built on the steel structure of the previous stadium. The final stop is at Nelson Wolff Stadium, the oldest ballpark in the Texas League and home to the Mis-

sions, a AA Minor League Baseball team. Many high schools and colleges play at Nelson Wolff including the UTSA Roadrunners. Transportation provided. Pre-registration and additional fee required.

Riverwalk Horticultural Tour

Fri., Jan. 24

Two Departures: 2 – 3 pm and 2:30 – 3:30 pm

Board a barge and take a tour of the world-famous Riverwalk. Hear how all of the plant materials are managed in a 100 percent organic program from the horticulturists for the Riverwalk. Pre-registration and additional fee required. Each tour is limited to 25 people, so sign up early.

CSFM Testing

Tues., Jan. 21, 3:30 – 7:30 pm &

Sat., Jan. 25, 8 am – 12 pm

Pre-qualification and pre-registration by Dec. 15 is required for those who wish to take the exam. If you test on Tuesday and do not pass all of the sections, you may be able to retest on those sections on Saturday. To find out if you qualify for the certification program, call STMA at 800-323-3875.

New this Year!

Join STMA As A New Member, Get Conference Registration Free

If you are not an STMA national* member, you are eligible to receive a free conference registration to be used within three (3) years of joining STMA! This is an excellent way to experience conference education, peer-to-peer networking and access to the latest technology – the top three reasons members join STMA.

Go to www.stma.org or call STMA at **800.323.3875** for more information.

*Must not have been a national member since 2000. Affiliate and student memberships are not eligible.



New This Year – 5K RUN or Walk!

Fri., Jan. 24, 3 pm.

Join your peers in this inaugural event! For your entry fee of \$35, you get a great 5K course, an event managed by professionals and a high quality shirt that will definitely become a keepsake. Start training now to take top honors and to help SAFE achieve its goals. Pre-registration is required.

ASBA Testing

Sat., Jan. 25, 8 am – 1 pm

The American Sports Builders Association (ASBA) offers three certifications for field builders and will be offering these tests during the STMA Conference. To find out if you qualify to test, go to www.sportsbuilders.org. The deadline to apply to test is Dec. 15. Those testing must register for the STMA conference, purchasing a one-day package at a minimum. Questions? Contact ASBA, 866-501-2722.

Chapter Officers Training – for Chapter Board Members

Tues., Jan. 21, 6 – 9 pm (Dinner provided)

Chapter board members are invited to attend a chapter networking and brainstorming session to address the challenges of strengthening your chapter with a focus on how to fundraise and your role as a volunteer leader. Preregistration is required.

SAFE Golf Scramble

Tues., Jan. 21, 9 am – 4 pm



The SAFE Golf Tournament will be held at The Republic Golf Club, 10 minutes from the STMA host hotel. The course routing follows Salado Creek as it winds through heavily wooded areas, making each hole completely secluded. The terrain is mostly flat and has player-friendly features such as wide fairways with generous landing areas and open approaches. Republic has four sets of tees that allow players to adjust the game to their skill level. Transportation, lunch, hole-in-one and other prizes are included. Rental clubs are available. Pre-registration is required.

NEW TIME!

Women's Forum Lunch

Wed., Jan. 22, 12 – 2 pm

Celebrating its seventh year, all women at the conference are invited to participate in a facilitated discussion and enjoy lunch.

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www.aquasmartglobal.com
- Aquatrols** 390
Paulsboro NJ
 Products that help to improve and maintain your root zone environment.
www.aquatrols.com
- Arysta Life Science** 279
Easton MD
 Basic manufacturer of Disarm Fungicides, Aloft Insecticide, Endorse Fungicide and Xonerate.
www.arystalifescience.com
- Bannerman LTD** 409
Rexdale Ontario Canada
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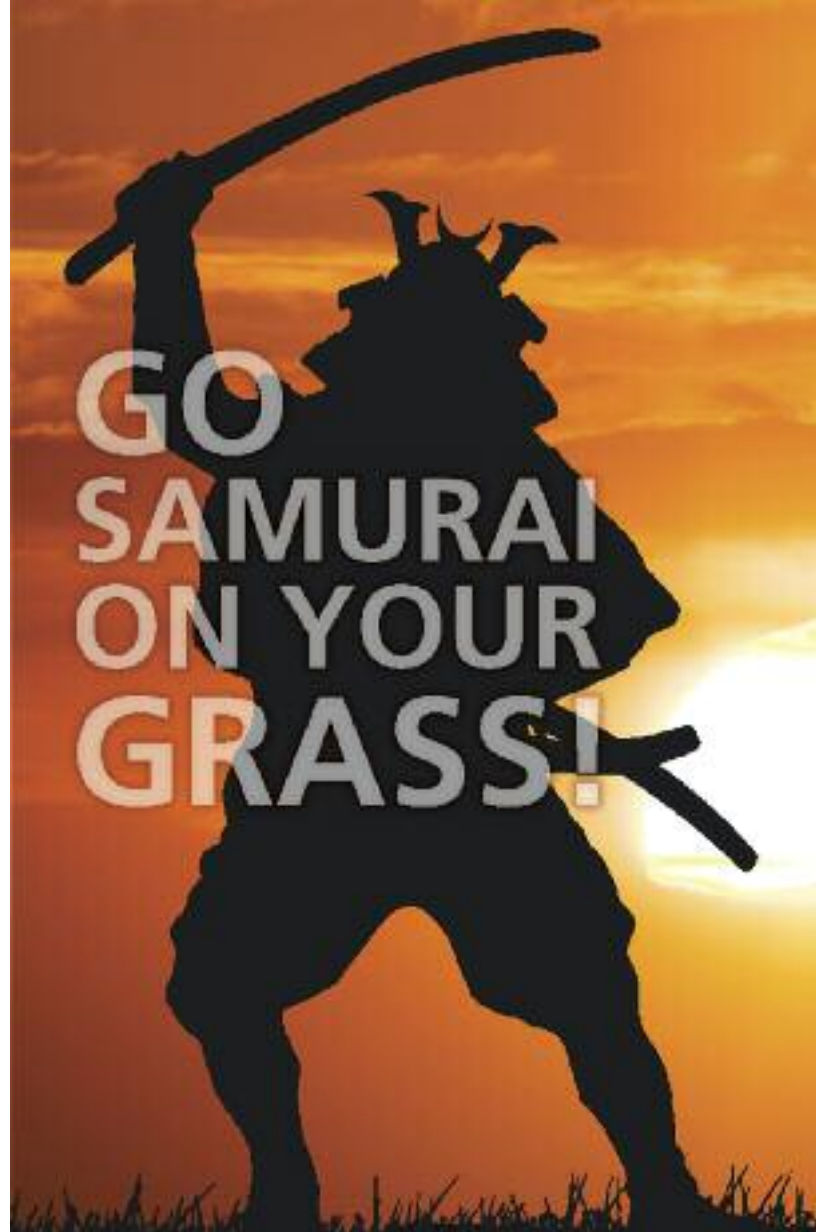
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Our faculty, including Corey Russell who teaches at HGTC along with his primary responsibilities as Grounds Manager for the Myrtle Beach Pelicans, worked hard to expand our turf program in the sports turf arena. HGTC has long been a well-known golf course management program, so going to Daytona Beach became a litmus test for how far we have come as a sports turf program. Our team came out of the student challenge test cautiously optimistic. When the scores were posted and HGTC finished first it felt as if we had won an NCAA title! We will again compete at the local turf competitions in the hope we can return to the STMA convention in San Antonio. The entire HGTC team, faculty included, was amazed at the convention setup, professionalism, and trade show.

On the heels on returning to Conway, SC our students started making the transition to our brand new educational facility. The new classrooms and labs, including collaborative learning areas, are part of a campus-wide modernization program. The transition to the new facility has challenged and invigorated students and faculty alike.

Now that we have settled in, we looked at how we could best use the generous prize money to aid and inspire our students. We decided to purchase two different types of field painting machines. While the science of turfgrass is something we feel we teach well, the art of sports turf management is an evolving target. Part of that art is to prepare sports fields for these important game day functions that garner so much attention. By purchasing a "high end machine" as well as a model found in more "modest" facilities, we felt that no matter where our graduates go...they will be prepared.

At HGTC we have always tried to educate in the classroom and in the field. Being surrounded by golf courses and sports field complexes allows the students to put their classroom training to work in a job application of their choosing. A strength of our program has always been the excellent climate for year round turf experience. Most of our students work in the turfgrass industry while in school, allowing

them to learn in the classroom and visualize that knowledge at work. By allowing the students to operate these machines we believe the students will be better suited to assisting their employers while in school and upon graduation. People ask for our graduates every year because they say HGTC students are "shovel ready," meaning that HGTC grads show up and get to work without needing their hands held. The ability to operate these painting machines without "game day pressure" should only add to the students' confidence levels.

As HGTC graduates enter the workplace in Sports Turf, Parks and Recreation, and Ground Management, industry experience will be crucial to their success. The hands-on education that the STMA Student Challenge afforded our students will serve them well. By this I don't just mean the prize money. The opportunity for the students to network with industry professionals and observe specialized equipment at the trade show heightened the desire and dedication of each student that came with our team. All of us at Horry Georgetown Technical College are grateful to the STMA for striving to grow the next generation.-Ashley G. Wilkinson, professor, Golf and Sports Turf Management.



» CONFERENCE PROGRAM

» OPTIONAL ACTIVITIES

» EXHIBITOR LIST

» STUDENT CHALLENGE

UNIVERSITY OF MARYLAND

As the winning 4-year school at the 2013 STMA Student Challenge, the University of Maryland used the \$4,000 award from SAFE to enhance student instruction for the lab component of PLSC 402 (Sports Turf Management).

Currently the University of Maryland offers a two-year academic certificate and a baccalaureate program in Turfgrass Management. The two-year program added a Sports Turf Management option in 2009. The major emphasis of the award was to develop two additional laboratory activities that centered on assessing sports field quality and safety. Equipment such as the Field Scout TDR moisture meter, infrared ther-

The commitment of SAFE to promote safe, playable, and sustainable athletic fields by awarding such grants has enhanced our sports turf educational program...

▼ **STUDENTS GATHERING VARIOUS PIECES OF MEASURING EQUIPMENT** such as the Field Scout moisture meters to determine soil moisture content of the practice football field.



mometers, soil temperature probes, sand sieves, a Kestrel pocket weather station, and soil textural analysis equipment such as hydrometers and bouyoucos cylinders were purchased from the funds provided by SAFE. Also other equipment was purchased using the leverage of the SAFE award to acquire a Clegg Impact Soil

Tester, soil infiltration equipment, and soil probes.

The commitment of SAFE to promote safe, playable, and sustainable athletic fields by awarding such grants has enhanced our sports turf educational program at the University of Maryland and we are extremely thankful for their support. ■

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TempLine removable synthetic turf paint

TempLine water based paints are easy to apply and remove, with outstanding brightness, opacity, play durability and weather resistance in between. TempLine paint is available in three grades, depending on your need for extended durability versus short term utility and ease of removal. All three grades come ready to use in a broad range of colors formulated to dry fast and stay flexible without binding together turf fibers or infill granules. TempLine paints are valued for the brightness and durability they provide without creating heavy build-up.

Eco Chemical, Inc.



Streamliner dryline marker

The Streamliner is simply the best dryline marker in the business. With its variable flow control, field testing has proven the Streamliner is the best for the quality of the chalk line while using less chalk than its competition. A heavy-duty steel frame, pneumatic tires, rugged molded plastic hopper, flexible brush agitator, accurate string-line guides, and a one-button retractable handle for easy storage set the Streamliner apart. Available in 2-, 3-, and 4-wheel models with optional Double-Play aerosol paint attachment.

Beacon Athletics

App measures relative greenness

The FieldScout GreenIndex+ Turf app allows users to measure turf health via relative greenness using a smartphone camera. The app quickly and conveniently captures images from a smartphone, calculates the DGCI (Dark Green Color Index), and correlates to visual ratings. Users can customize the visual rating calculation for different species of grass and specific plots of land. Measurements can be compared to identify variability or trends in turf health across sports fields and golf courses, providing valuable data for decisions regarding fertilization and irrigation. All data is logged and geo-referenced, and can be emailed to a personal computer for further analysis.

Spectrum Technologies



Hunter announces I-Core 3.0 Solar Sync

The controller now has built-in compatibility with the Hunter Solar-Sync climate sensor, allowing automatic self-adjustment for changing weather conditions. The new version of the I-Core controller features a Solar Sync dial position, and allows all sensor setup functions from the main control panel. The controller also permits a Solar Sync Delay feature, allowing the installer to specify a number of days before the controller switches to automatic adjustment mode. Version 3 I-Core controllers need only add a Solar Sync Sensor, or the increasingly popular wireless version of the sensor, to take full advantage of automated water saving technology. Each of the controller's 4 irrigation programs may be set to use the weather adjustment, or to run individually without automatic adjustment for special applications.

Hunter Industries



Pro-Stripe Extreme White marking paint

Whitlam Paint offers a wide range of athletic field marking paint including Pro-Stripe Extreme White. Our exclusive formula is environmentally friendly, has higher solids and a low VOC content. It also contains Optiwhite optical brighteners for better reflectance under UV stadium lights and sunlight. Making it the brightest and most durable field paint we manufacture. Dilution rates vary up to 3:1 for better savings. Extreme White can actually stimulate root growth and development allowing grass to remain vibrant and healthy.

Whitlam Paint Company



Got geese?

Do you have geese at your facility? If yes, then it's important that you know about our line of www.geeseproblemsolved.com products that can and will solve your geese problem. Solar powered, maintenance free, easy to install, no harm to geese or your environment. Guaranteed to work or your money back. We also provide a no cost/no obligation "Placement Survey" to assure the right product and placement. Shipping is free.

Geese Problem Solved



A-Turf Titan has 12-year warranty

A-Turf Titan is the ultimate synthetic turf surfacing system, featuring the best combination of A-Turf's blended Mono & XP fiber design, creating an amazingly plush, natural looking surface with outstanding performance, durability attributes and backed by an industry-leading 12-year warranty. When installed with a resilient ShockPad (with a 25-plus-year life cycle), Titan has the industry's best safety rating, resulting in less severe and fewer concussions from surface impact, throughout the system's life. Featuring optimal footing, true ball roll and ideal shock absorption, A-Turf Titan can be engineered for optimal play of a specific sport or multiple sports played on one field.

A-Turf



New Smithco Super Liner

The new SMITHCO SUPER LINER offers precision lining, ease-of-operation and superior agitation and features front- and side-mounted marking boxes for straight or circular lining and a 16 hp Vanguard engine. Hypro-diaphragm pump provides pressure ranging from 0 to 150 PSI. Easy operation hydraulic wheel motors for smooth transitions for starting and stopping and hand control for constant speed.

Smithco

Sports field assessments

Evaluate field conditions. Demonstrate fields meet industry standards. Be Proactive. Use Turf Diagnostics for your sports turf testing. We specialize in site investigations of synthetic turf fields. Testing includes Gmax field hardness, turf and infill depths measurements, and seam and inlay observations. We also perform laboratory analyses of base stone used in field construction to help ensure stability and drainage. Our accredited laboratory is the heart of our natural turf testing capabilities. We perform soil drainage assessments, compaction evaluations, rootzone mix design, and baseball/softball skin testing. All testing is performed to current ASTM standards.

Turf Diagnostics

Shear Strength Tester

Turf-Tec International introduces the new Turf-Tec Shear Strength Tester/shear vane apparatus. This is a specially designed tool to test the stability of natural grass athletic field turfgrass root systems. In addition, the Turf-Tec Shear Strength Tester can also test the types and depth of cleats that will perform best in your particular turfgrass root system and environment. Knowing the shear strength and correct cleats to play in will not only insure proper footing during play and may also create a safer playing environment for athletes.

Turf-Tec International

All seasons Ultraplex 4-0-3 +2% Fe

Ultraplex 4-0-3 +2% Fe & micros is a sophisticated combination product containing Grigg Brothers exclusive Elicitor Technology and is designed for use in all seasons. Ultraplex now conveniently includes the following six components: effective natural biostimulants, amino and organic acids; sea plant extract; water buffering agent; macro nutrients (N & K); fully organic chelated micronutrient package including Iron (Fe), Magnesium (Mg), Manganese (Mn), Zinc (Zn), Copper (Cu), and Boron (B); natural, non-ionic and organic surfactant for improved leaf coverage and absorption. Many years of research data highlight the many uses and value of Ultraplex®.

Grigg Brothers

NewRider 1700 HP

The NewRider 1700 is the economical ride-on high pressure airless striping machine for marking athletic fields. The NewRider 1700 is designed to quickly spray straighter, brighter looking lines and the 25-gallon paint tank will stripe numerous fields without having to be refilled. Additionally, the fully adjustable spray pump saves money by spraying just the turf and not the dirt with any paint. The on-board purge tank eliminates clogging of spray tips and makes clean-up a snap. This model features a hydrostatic drive and a 10.5 hp OHC engine with electric start, and removable gun with 25' hose for stencils.

Newstripe, Inc.

Revolution soil surfactant

Revolution is a unique soil surfactant technology that is scientifically proven to balance air and water in the rootzone. Revolution's patented formulation allows water to move in a thin continuous film through the soil profile, perfectly balancing air-to-water ratios and increasing the performance of turf under stress. By maximizing the growing environment, Revolution allows your turf to function more efficiently and perform at consistently higher levels. Users often report significant reductions in costs related to irrigation and other expensive inputs. Revolution reduces the impacts of daily stresses on turf health and promotes faster recovery when stresses do occur.

Aquatrols

EVERGREEN turf blankets keep practice fields 'Game Shape'

EVERGREEN Radiant turf blankets from Covermaster Inc. have protected the length of the field between the hash marks of the San Diego Chargers' practice fields since 2011 with great success. So much so, that they ordered additional blankets to cover both their natural turf fields on an alternating schedule. While one field is covered, the other is used for practice. That way both fields will remain very playable and allows practice to continue on good quality fields well into the playoffs. Additionally, the Chargers rely on Covermaster's TARPmate rollers and the unique TARP MACHINE for easy handling of the covers with a limited crew.

COVERMASTER Inc.

Pro Mound packing clay

Fortify your mound and batters' boxes with Pro Mound packing clay. Pro Mound alleviates common wear problems by forming a solid subsurface under the mound and batter's boxes, keeping them resilient and easy to manage, season after season. Made from a unique blue gumbo clay, Pro Mound is highly durable and remains firmly intact while reducing maintenance and providing solid footing for athletes. The packing clay allows pitchers and batters to "dig in" and establish footing without leaving large holes. Pro Mound is easy to install and requires only a shovel, rake, tamp and water. Approximately forty 50lb. bags (1 pallet) of Pro Mound are needed to resurface and maintain the mound, batters' and catcher's boxes.

Pro's Choice

Water removing machine

The BowDry is a water removing machine that can remove water from and sport field as well as indoor playing surfaces, tennis courts and/or pool decks. The thick foam roller absorbs water and then it is pressed off and sheeted into a 16-gallon holding tank at the rear of the machine. The holding tank and rear of the machine is supported by four large wheels so, even full, the BowDry never loses its outstanding maneuverability. The BowDry removes the water from any surface and transports it to the drain. BowDry is fast, quiet and efficient.

Seago International, Inc.





New Jacobsen TurfCat out-front mower

In 2014, Jacobsen will update its legendary TurfCat out-front mower. The new mower will feature a Tier IV final Kubota engine, foldable ROPS, and less maintenance thanks to new hydraulic deck drives (gone are the belt and pulley drives). The TurfCat is popular with sports field managers because it's the only mower that offers a 60" flail deck, which discharges grass and debris down into the turf, significantly reducing the danger of thrown projectiles and providing a more attractive after-cut appearance. In addition to the fine-cut flail, the TurfCat offers five other deck configurations, including 60-inch, 63-inch and 72-inch hydraulic-drive rotary decks. Other attachments include a brush, plow, snow blower and debris blower.

Jacobsen



Athletic field materials from Game Time Sports Systems

It Ain't Just Dirt" ... Louisville Slugger/Game Time Sports Systems offers quality athletic field materials that help create a uniform appearance and enhance the playability on all fields. These products are all safe for the environment. From the best quality field conditioners, to the right tools, Game Time can provide you with all the resources to make your fields the field of dreams. Game Time Sports Systems offers a full line of products.

Game Time Sports Systems



Toro Sand Pro 2040Z infield groomer

The new Toro Sand Pro 2040Z is the industry's first zero-turn infield groomer. With a unique design that enhances maneuverability and productivity, the SP2040Z is powered by a 12.2 hp Kawasaki gas engine, and is outfitted with a specially designed nail drag/flex groomer attachment. The nimble SP2040Z will save you valuable time in your workday, improving infield surface playability and consistency.

The Toro Company



New Pro League Champion Brown infield conditioner

New Pro League Champion Brown, a superior infield conditioner with a rich brown color, joins Natural, Red, and Heritage Red in the Pro League line up. Champion Brown, like the other colored Pro League conditioners, features an improved coloring process and a color-fast dye for long-lasting field aesthetics. The patented Pro League particle size ensures the ultimate fielding and sliding surface to keep skinned infields safe and playable. Pro League absorbs its weight in water to prevent puddles on the infield and provide sure footing. That absorbed moisture will later release to keep the infield from becoming hard and cracked.

Profile Products



Double-sided home plate

Professional size and quality home plate weighing 40 lbs. and made of 3" of solid rubber. Its double-sided design allows for an extended life of the product which reduces equipment and labor costs. New 2013 product, currently being tested with various professional baseball teams and universities. Introductory price \$225

Bulldog Field Equipment Booth



Aerate, topdress, amend in one pass

DryJect/Maximus are the only machines in the world that aerate, topdress, and amend in one pass. DryJect is a revolutionary service which, when added to your maintenance program, can reduce the need for core aeration and greatly amplify the benefits of sand amendments by distributing them into the ground more completely. DryJect/Maximus high-pressure, water-based injection system blasts aeration holes through the rootzone to fracture the soil, while it's patented vacuum technology simultaneously fills holes with amendment. Relieve compaction, increase water filtration, reach the root zone with oxygen and amend your soil all at the same time, leaving the surface smooth and playable.

DryJect Inc.



Harper TV30 self propelled sweeper/vacuum

Equipped with a 44HP Kubota turbo charged diesel engine & a 3.25 cubic yard hopper, the TV30 offers unmatched performance and maneuverability, making for quick and efficient cleanup. The patented dust control, re-circulating air system makes the operation of the unit clean and quiet as well as causing minimal disturbance to bystanders and the operator. A variety of attachments make the TV30 effective on many types of surfaces; turf, artificial, hard surface, while picking up most any type of debris; clippings, leaves, goose droppings, litter, or aeration cores. The hopper lifts to a height of 6ft 3in to dump directly into a cart or waste dumpster, eliminating the need to handle the material twice.

Harper Industries



Vipol Matrix Mesh by Aer-Flo, Inc.

Just over 7 years ago, Aer-Flo, Inc. introduced Vipol Matrix Mesh to the sports turf industry. Our BP Zone Turf and Bench Zone Sideline Turf Protectors, as well as Tuffy Windscreens are made with our exclusive Vipol Matrix Mesh. Vipol is the strongest, longest lasting mesh in the industry! Found at virtually all levels of turf management, NCAA baseball and football (to include all football and/or baseball teams with natural fields in the SEC), 15 NFL fields and numerous Major and Minor League Baseball fields. We have over 21 colors to choose from. Custom sizes and shapes available. Add Chroma-Bond imprinting for that "home field" touch!

Aer-Flo, Inc.



Fastest Verti-Drains yet

The Redexim Verti-Drain 2220 and 2216 (also called the Bullet) are the fastest Verti-Drains yet. The Bullet gives you the ability to aerate both fast and deep, penetrating 9 inches into the soil at speeds up to 3.5 mph. With the hydraulic option on the Bullet depth adjustments can be made easily from the tractor chair by adjusting the front and rear rollers. Additionally the three point hitch on the Bullet is offset which makes the machine more efficient by reducing the chance of tracking over previous passes. The Bullet is a tough and fast Verti-Drain that is setting a new standard in the aeration industry.

Redexim North America

Continued on page 45

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2 **Which of the following best describes your title?** (check *ONLY ONE*)
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 B MANAGER/SUPERINTENDENT — Superintendent, Landscape/Ground Maintenance Manager, Foreman, Supervisor
 C GOVERNMENT OFFICIAL — Government Commissioner, Agent, Other Government Official
 D SPECIALIST — Architect, Designer, Consultant, Agronomist, Horticulturist, Certified Specialist
 F COACH E Other (please specify) _____

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 Y Yes N No

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Transform any space into a multi-purpose event venue with ArmorDeck, Signature Systems Group's premium modular turf protection flooring. These self-aligning panels install

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Signature Systems Group, LLC



REV new humic compound from Dakota

REV PTF6000, from Dakota, is an all-natural, organic humic compound that dramatically improves plant health while increasing the longevity of fertilizer and fungicide performance. REV assists in disease suppression and enhanced soil biology as well.

REV easily tank mixes with most products and can be used in conjunction with granular applications for longer lasting results. REV has been proven to decrease turf operating costs by 30% or more. REV uses the world's highest quality all natural materials and compounds in its formulations.

Dakota