Dollar spot is relentless. But when you're prepared, you can cross that worry right off your list. New **Xzemplar**TM **fungicide** with the active ingredient fluxapyroxad gives you consistent, longer-lasting protection against this tough disease. It's fast-acting, with preventative and curative properties that keep dollar spot at bay. Trust **Xzemplar fungicide** to put you in control of the game.

For more information please visit betterturf.basf.us



The Chemical Company

Always read and follow label directions.

Xzemplar is a trademark of BASF. © 2014 BASF Corporation.
All rights reserved.













Say hello to the next generation in broad-spectrum disease control and advanced plant health. With benefits like enhanced photosynthesis and root growth, **Lexicon™ Intrinsic™ brand fungicide** helps you – and your greens – stand up to turf challenges. Because when the stakes are this high, failure is not an option.

For more information please visit betterturf.basf.us



The Smithco Star Command Spray System saved us major time and chemistry at my last course...so when I moved to Quail Hollow, my first purchase was another Star Command.

Q

Chris Deariso; Quail Hollow Club, Charlotte, NC

3 integrated modules make the hard-to-believe happen.

- Spray at speeds from 2 to 10 mph at a wide range of application rates. Automatically.
- Never overspray again. Monitor shows an "As-Applied" map of the application.
- Save up to 30% on chemicals and one-third on labor annually.

Start with the finest sprayers made, factory-fitted with the Smithco/Capstan® SharpShooter,® Blended Pulse Technology and GPS enabled Raven Envizio Pro.

Then start enjoying all this: application rates from 0.4 gallons per 1000 sq. feet (GPT) to as much as 5 GPT at operating speeds from 2 to 10 mph and at any pressure necessary. AUTOMATICALLY.

You'll see an "As-Applied" map of all this on your monitor as it's taking place. Each nozzle automatically and instantly shuts off over areas that have already been sprayed and back on over unsprayed areas.







Follow us on Twitter @BayerGolf



The **BackedbyBayer** app is available for download at the iTunes store.

Interface® is a versatile plant health solution that works throughout the year.

When turf disease problems arise, treating them has been the norm. Now you can control disease but also get stronger, healthier turf. Interface is a versatile option that delivers broad-spectrum control of diseases like dollar spot, snow mold, brown patch and leaf spot and also strengthens turf. Interface with *StressGard™* Formulation Technology is fully supported with labeled plant health claims for even greater assurance. It can be applied throughout the year, especially as part of a DMI rotation or with an existing PGR program. Learn more at **BackedbyBayer.com/Interface**.

1% of StressGard[™] product sales will support Healthy Turf Healthy Tomorrow. backedbybayer.com/healthy-turf



Golfdom//04.14







COLUMNS

- // 6 Keeping up with The Jones—Seth Jones
- // 12 From the Back Tees—Joel Jackson
- $/\!/\,14$ At the Turn—Mark Woodward
- $/\!/\,16$ Assistant Living—Matt Neff
- // 38 The Turf Doc—Karl Danneberger
- // 39 Clark Talks Turf—Clark Throssell

DEPARTMENTS

- $/\!/8$ Starter
- $/\!/\,10$ Golfdom Gallery
- $/\!/40$ Professional Grade
- //44 The 19th Hole





SUPER SCIENCE

- // 33 Creeping bentgrass vs. annual bluegrass during cold deacclimation
- // 34 Factors affecting fungicide performance, Part 2 of 3: Disease pressure and fungicide resistance



<u>QUALI-PRO</u>

Innovation you can apply.

ADVERTORIAL

BEHIND THE SCENES: STANDARD GOLF

Walking the Green Line

Whenever we sell a product from our Green Line, we feel like it's a win-win-win.

A win for the course (purchasing a product that will pretty much last forever); a win for us in that we got another sale (business is good!); and a win for the environment (our Green Line is made from 100-percent recycled material.)

Now more than ever, people want to be environmentally friendly. Our Green Line, featuring such products as benches, signage, markers, boxes and trash containers, enables golf courses another way to be environmentally friendly.

For a complete list of the many Green Line products we offer, give us a call at 866-743-9773, or visit us online at www.standardgolf.com.

It's great to be environmentally friendly, especially when that also means you're getting a superior product.

Who doesn't love a win-win-win?





EDITORIAL

EDITOR-IN-CHIEF Seth Iones 785-690-7047 / sjones@northcoastmedia.net

ASSOCIATE EDITOR Molly Gase 216-363-7928 / mgase@northcoas

DIGITAL EDITOR Joelle Harms

ART DIRECTOR Pete Seltzer 216-706-3737 / pseltzer@northcoastmedia.net

CONTRIBUTING EDITORS

Karl Danneberger (Science), Joel Jackson, Clark Throssell (Research), John Walsh, Anthony Williams, Mark Woodward

BUSINESS

CLEVELAND HEADQUARTERS 1360 EAST 9TH ST, SUITE 1070, CLEVELAND, OH 44114

PUBLISHER Patrick Roberts

ASSOCIATE PUBLISHER Bill Roddy 216-706-3758 / broddy@northcoastmedia.net

NATIONAL ACCOUNT MANAGER Chris Lavelle 216-363-7923 / clavelle@northcoastmedia.ne

NATIONAL ACCOUNT MANAGER Craig MacGregor 216-706-3787 / cmacgregor@norts

> SALES ASSISTANT Petra Turko 216-706-3768 / pturko@northcoastmedia.net

мдя., GOLFDOM SUMMIT Ryan Bockmuller 216-706-3772 / rbockmuller@northcoast

MARKETING MANAGER Michelle Mitchell

MGR., PRODUCTION SERVICES Rhonda Sande

SR. AUDIENCE DEVELOPMENT MANAGER Antoinette Sanchez-Perkins 216-706-3750 / asanchez-perkins@northcoastmedia.net

DIGITAL OPERATIONS MGR. Bethany Chambers 216-706-3771 / bchambers@northcoastmedia.net

DIGITAL MEDIA MGR. Rick Uldricks 216-706-3796 / ruldricks@northcoastmedia.ne

WEB DEVELOPER Jesse Malcmacher

MARKETING/MAGAZINE SERVICES

REPRINTS & PERMISSIONS Nick Iademarco 877-652-5295 / niademarco@wrigh

> SUBSCRIBER, CUSTOMER SERVICE 847-763-4942 / golfdom@halldata.com

CORPORATE

PRESIDENT & CEO Kevin Stoltman

VP OF FINANCE & OPERATIONS Steve Galperin

VP OF GRAPHIC DESIGN & PRODUCTION Pete Seltzer EDITORIAL DIRECTOR Marty Whitford

Golfdom does not verify any claims or other information appearing in any of the advertisements contained in the publication, and cannot take any responsibility for any losses or other damages incurred by readers in reliance on such content. Golfdom welcomes unsolicited articles, manuscripts, photographs, illustrations and other materials but cannot be held

North Coast Media LLC provides certain customer contact data (such as customers' names, addresses, phone numbers

and e-mail addresses) to third parties who wish to promote relevant products, services and other opportunities which may be of interest to you. If you do not want North Coast Media LLC to make your contact information a representative will assist you in removing your name from North Coast Media LLC's lists.

GOLFDOM (ISSN 1526-4270) is published monthly by North Coast Media LLC, IMG Center, 1360 East 9th Street, 10th Floor, Cleveland, OH 44114, Subscription rates: One year \$48, two years \$69 (U.S. and possessions), one year \$70, two years \$101 (Canada and Mexico) and one year \$105, two years \$152 (all other countries). Air expedited service is available in countries outside the U.S. and Canada for an additional \$75 per year. Current issue single copies (repeald only) \$5 (U.S. and possessions) \$7 (Canada and Mexico) and \$8 (all other countries). Back issues (if available, prepaid only) \$10 (U.S. and possessions), \$14 (Canada and Mexico) and \$16 (all other countries) add \$6.50 per order shipping and handling for both current and back issue purchases. **Periodicals postage paid at** Cleveland OH 44101-9603 and additional mailing offices.

POSTMASTER: Please send address change to GOLFDOM, PO Box 2090, Skokie, IL 60076. Printed in the U.S.A. Copyright 2014 North Coast Media, LtC. All rights reserved. No part of this publication may be reproduced or transmit-ted in any form by any means, electronic or mechanical including by photocopy, recording, or information storage and retrieval without permission in writing from the publisher. Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients is granted by North Coast Media, LLC for libraries and other users registered with the Copyright Clearance Center, 222 Rosewood Dr, Danvers, MA 01923, phone 978-750-8400, rax 978-750-470. Call for copyrigh beyond that permitted by Sections 107 or 108 of the LUS. Copyright Law.











Make Blindside® Herbicide Part of Your Postemergence Battle Plan

Arm yourself with Blindside® herbicide from FMC Professional Solutions and get faster postemergence control or suppression of over 70 broadleaf weeds and sedges. Blindside takes on resilient weeds like dollarweed, doveweed and buttonweed,* delivering visible control days and even weeks sooner than the competition. Blindside is highly selective and approved for most types of warm-season turfgrass,** including St. Augustinegrass, for targeted control of your toughest weed adversaries.

For more information, contact your FMC Market Specialist or local FMC distributor.









fmcprosolutions.com





"I'll admit I ignored the email from GCSAA that contained the announcement that Ihms was, like too many superintendents these days, recently unemployed. I realized I missed something important when my phone started blowing up."

SETH JONES, Editor-in-Chief

GCSAA's field staff and its president? Oh, my!

do not consider myself to be a GCSAA watchdog. ¶ My goal is to be a good editor of this magazine. I want to have the most compelling magazine in the industry, from our feature stories and columns to our research and departments. I want you to read this magazine cover to cover every month.

But because my last place of employment was 1421 Research Park Drive — GCSAA headquarters in Lawrence, Kan. — I'm occasionally asked if I like to be a thorn in the side of my old employer, and watch over their every move.

The answer would be no. The GCSAA is an important part of our industry, but it is still a part of the industry, and not larger than the industry itself.

And yet our two lead stories this month do focus on the association: a cover story on the field staff program and a Q&A with its current president, Keith Ihms.

First, the topic of the field staff.

I thought I would write this story three years ago. When I left GCSAA in December 2010, this program was a huge concern of mine. Why? Because for two years, I worried I'd lose my job to make room for the new field staff person headquartered in Somewhere, America.

Don't ever expect anyone to have a rationale impression of a person, place or thing when it threatens to take food off his or her table. With a young family, I hated the field staff program. Layoffs were common at the time, but meanwhile they're hiring someone to work out of their home in Florida?

The program is responsible for at least a little of my gray hair. I think even the field staffers themselves will forgive me for resenting the program five years ago.

Since then, I've traveled

extensively for *Golfdom*, visiting chapter events across the country. I'd met most of the field staff by the time I started writing this story. I'd even become friends with a few of the guys.

I'll let the cover story speak for itself. But I am interested in watching this program evolve... Because win or lose, this is an important, substantial investment to GCSAA and its members.

Next topic: my Q&A with Keith Ihms.

I'll admit I initially ignored the email from GCSAA that contained the announcement that Ihms was, like too many superintendents these days, recently unemployed. I was on deadline at the time, and too busy to click to see what was new.

I realized I missed something important when my phone — both office and cell — started blowing up. "What do you know?" *Uh*, *about what?* "Check your email, moron."

I've known Keith Ihms since I was a kid... we first met when he hosted a stop on the turf tour at GCSAA's conference and show (not yet dubbed the Golf Industry Show) when it was in Dallas in 2001.

While we don't have a secret handshake (yet), Keith has always been friendly and courteous to me. So did I want to call him and ask him, man-to-man, the nature of why he lost his job? Of course not. I do have a soul. But I also have a job. And I felt my job required I ask him.

Ihms was gracious enough to take my call. Hell, as you'll see in the Q&A, he thanked me at the end of our conversation, even though he was doing me the favor. Total class.

We posted a portion of this Q&A on our website in mid-March. After one day, it was already among the top 10 most read stories posted on Golfdom.com for the year.

Golfdom's readers care about the president of their association. And they care about significant investments made by GCSAA, such as the field staff.

Am I a GCSAA watchdog? No. But if it's newsworthy to our readers, then it is important to us.

Email Jones at: sjones@northcoastmedia.net.

6 // Golfdom April 2014 Golfdom.com

MOW YOUR FAIRWAYS NEW LF510™ DIESEL POWERED BY Kubata.

The new Jacobsen LF510™ large area reel mower offers affordability from the start, simplified maintenance and a reliable Kubota diesel Tier 4 final engine – making it easy to afford, use and maintain through its entire life. The LF510's clean and consistent quality-of-cut is provided by the new TrueSet™ cutting units with Classic XP™ reels that boast an industry-leading 425-lbs. of holding power. See your local Jacobsen dealer for more information.







DAMAGE CONTROL

It's been one heck of a winter. Record cold, the polar vortex and large amounts of ice have created a challenge for superintendents as they prepare for course openings. But what is waiting under the ice?

A recent USGA webinar on winter injury brought together a panel of experts, including Bob Vavrek (senior agronomist, North-Central Region), Bud White (director, Mid-Continent Region), Jim Skorulski (senior agronomist, Northeast Region), Patrick O'Brien (director, Southeast Region) and Darin Bevard (director, Mid-Atlantic Region).

Each of the experts chimed in about the main concerns superintendents will face as winter finally ends.

"It's probably been the most difficult winter in perhaps 20 to 30 years. We still don't know... how much damage we are going to get. There is some confirmed injury to greens in the Detroit area. I've sampled and seen some damage to Poa annua in the Chicago area and other reports are coming in about damage," says Vavrek.

The bizarre winter weather not only

hit those in the north, but also in Texas where White saw an extreme flux in temperature day to day.

"We've had such extreme swings. We have had five different times where the temperature has dropped 40 degrees or more from one afternoon to the (next) morning. Almost all of those times the bermudagrass was starting to green up some," says White.

To say that this winter has been unusual seems to be an understatement. "I think for the U.S. as a whole they say this is the coldest six-month period since 1912," says Brevard.

The question now is, what will superintendents face this spring? The panel discussed practices such as the use of blankets on greens that could reduce winter injury. However, now it seems that turf managers will have to wait to see what the damage is. "The combination of the cold temperatures and the ice coverage, I think it's going to be a one-two punch for many golf courses," says Vavrek.

The webinar is still available online. To view it, visit https://www4.gotomeeting.com/register/589258767.

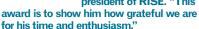
//HONORABLE MENTION

FMC'S WENDELL CODNER HONORED BY RISE

Wendell Codner of FMC Corp. was recently honored with the "Committee Chairman's Service Award" by Responsible Industry for a Sound Environment (RISE). During his eight-year tenure as a member of the programs and membership committee, Codner has helped recruit new members, plan the RISE annual meeting and

communicate the organization's message to policy makers, businesses and consumers.

"Volunteering is vital to our association and Wendell has been a great leader to the committee," says Aaron Hobbs, president of RISE. "This



Codner has been with FMC for nearly 30 years. He has held numerous positions, including national sales manager for the **Professional Solutions and Agricultural** divisons and marketing manager for Professional Solutions. Currently, he is the business manager of Consumer Solutions for FMC Professional Solutions.



//JURY'S IN

Wendell Codner

LEGAL VICTORY

After a long legal battle, it was announced that LidoChem has won their lawsuit against Stoller Enterprises. Stoller Enterprises Inc., Jerry Stoller and David Alexander were found guilty of violating the Lanham Act by intentionally spreading falsehoods about LidoChem Inc. and its Performance Nutrition products and tortuously interfering with business relationships by a jury trial in the Michigan.

The jury awarded LidoChem \$12 million in damages. LidoChem Inc., through its Performance Nutrition division, supplies patented fertilizers, chelated micronutrients, soil amendments and related products nationwide.

"We are pleased that our good name and reputation have been cleared with the ruling in this case that goes back several years," says Don J. Pucillo, president of LidoChem. "We are eager to serve our valued agricultural customers throughout the region."

8 // **Golfdom** April 2013

Starter

Penn Staters talk winter injury on Golfdom TV

Golfdom TV recently caught up with two Penn State turf experts on the golf course, Dr. Mike Fidanza and Dr. John Kaminski. Though it was warm on the course in Florida, the conversation turned to winter injury concerns. "I think this is the toughest

winter I've seen ever," says Kaminski.

With such a harsh winter, the two Ph.D.s each discussed what superintendents may face as the ice clears. "Everyone's pretty scared about it right now. I think anybody with *Poa* is probably going to have some issues...I think it's going to be okay, but there's going to be a few people that are going to be hit pretty hard," says Kaminski.

Fidanaza says it will be interesting to see how this winter will impact the



cold tolerant bermudagrasses that are beginning to be seen in the Mid-Atlantic region and the transition zone. "Coming through the winter, areas that are covered in snow and potentially ice, we'll keep an eye on these. See how cold tolerant they really are," says Fidanaza.

To view the two short videos and hear what these experts have to say on winter injury, visit **golfdom.com/video**.



SEAN HOOLEHAN, CGCS

SUPERINTENDENT, WILDHORSE RESORT & CASINO, PENDLETON, ORE.

On one of the challenges the GCSAA field staff must overcome:

"The program has done well, but they have to find a new name. Are they regional managers? Regional association specialists? Introducing them just doesn't sound right."







EMAILS @ TEXTS # TWEETS

In response to a blog post on the Golfdom Daily (www.golfdom.com/blog) dated March 10th, 2014, announcing the sad news that former GCSAA student services recruiter Lanie Griffin passed away at the age of 60...

Seth, thank you for letting us know this sad news. Lanie was always so gracious. I had the pleasure of working with her on the GCSAA Diversity Committee for several years. She led by example. Lanie was truly one of the quiet, unsung leaders in the golf industry. My prayers for her family.

P.S. I could visualize her as I read your lovely remembrance of Lanie....

Jan Bel Jan, ASGCA Jan Bel Jan Golf Course Design, Inc. Jupiter, Fla.

Seth, I just wanted to write and say great choice on the Herb Graffis Businessperson of the Year award winner ("Jimmy the Kid," February 2014) this year. I can only hope to one day leave the kind of legacy Jim (Rattigan) has to a club where I work.

Tyler Otero, superintendent North Jersey Country Club Wayne, N.J.

Seth, these last few weeks have been pretty special. I think every person I've ever met in this business has reached out to congratulate me on winning the Graffis Award. Thank you again for this honor.

Jim Rattigan, general manager/ superintendent Schuylkill CC, Orwigsburg, Pa.

//GOLFDOM WISDOM

On the day you cancel a \$10,000 golf tournament, it's best to eat lunch somewhere besides the clubhouse. #golfdomwisdom

Golfdom.com April 2013 Golfdom // 9

Golfdon Callery Control of the Contr

T-Rex in effect! We typically reserve this top spot for a photo of wildlife on the course, but this month we go with Rex, the drunken dinosaur we ran into at the New England Regional Turfgrass Foundation Show.

Is there a doctor in the house?
The recent Di Giorgio wedding
was a beautiful event, thanks to
Damon's beautiful bride Karina. But we
feel sorry for whomever Fieldstone GC's
super seated with Dr. Mike Fidanza
(Penn State), Dr. Rick Brandenburg (N.C.
State University) and Dr. Lane Tredway
(Syngenta Crop Protection). Annual bluegrass weevil just isn't common wedding
reception banter, you know?

Bachelor party, minus the bachelor Fidanza manages to get in two photos in one issue (who does he think he is, Seth Jones?) along with fellow PSU prof John Kaminski, Ph.D. (with iPhone in hand, natch) and Quali-Pro's Jerry Corbett (center), out on the course in Florida.

T-Rex stalker Look closely... that T-Rex lurks in the background of this pic with North Coast Media's Chris Lavelle, Dartmouth College's Mike Wade, Turfco's Chris Francis and Ryan Green, Crystal Lake GC, Haverhill, Mass. taken following the NERTF show in Providence, R.I. You buy one beer for some old dinosaur you think is in the industry and then he won't leave...

Field staff or shuffle-board champs? GCSAA field staffers Brian Cloud, Jeff Jensen, Chase Rogan and David Phipps got the full tour of Golfdom EIC Seth Jones' "second office" — Rick's Place in Lawrence, Kan. Turns out the guys know their way around a chapter meeting as well as a shuffleboard table.







LARRY GATES (2) / SETH JONES (3 AND 8)