

©2012 Syngenta. Important: Always read and follow label instructions before buying or using Syngenta products. The instructions contain important conditions of sale, including limitations of warranty and remedy. Daconil Action is not currently registered for sale or use in all states. Please check with your state or local extension service prior to buying or using this product. Daconil[®] Daconil Action," the Alliance frame, the Purpose icon and the Syngenta logo are trademarks of a Syngenta Group Company. Syngenta Customer Center: 1-866-SYNGENT(A) (796-4368). MW 1LGG2029_SP 7/12

PROTEIN HELPS TURF DEAL WITH IT.

Turf is under constant attack by equipment, sun, wildlife and weather. Daconil Action[™] fungicide combines the power of Daconil[®] fungicide with a revolutionary "Turf Protein Booster" that helps activate production of PR proteins. The result is stronger, healthier turf that's better able to defend itself against fungus and environmental stresses.

Now, with a new lower application rate that turns six applications into eight, you get an extra month of peace-of-mind regarding what's beneath your feet. Learn more at **DaconilAction.com**.



syngenta®

Golfdom THE

ONLY 5.9% OF TODAY'S SUPERINTENDENTS ARE 60 AND OVER. SO WHAT'S YOUR PLAN?

About the cover

Inc. illustration.

Art director Carrie Parkhill Wallace created this image, with the help of an iStock International

BY JAY CHARNES



Shelter From the Storm

Having a formal response plan in place will ensure the safety of people on the course when storms threaten. **Bv Stan Awtrev**

26 Coming Back from Katrina

Metairie CC was battered by Hurricane Katrina. But a new makeover aims to return it to its proud roots. By Anthony Pioppi

columns

- 10 Reading Greens This Old Superintendent
- 12 At the Turn Don't Let Them Wear You Down
- 13 From the Back Tees Job Insecurity for Superintendents
- 14 Turf M.D. Poa Punchlines

departments

- 6 Off the Fringe BASF Summit; IUOW film competition getaway; phantom cow on the course; Eagle One sale.
- 15 Around the Web
- 30 Clark Talks Turf Clark Throssell, Ph.D., discusses creeping bentgrass greens with John Sorochan, Ph.D.
- 40 The 19th Hole with... Rick Wittenberg, General Manager, Cardinal Golf Course, Effingham, Ill.

Turfgrass Trends

This month, Golfdom's practical research digest looks at new product Daconil Action. See pages 31-38.

Online Exclusive

Visit the industry's No. 1 blog, www.golfdom.blogspot. com, to read about Clark Throssell's trips to Illinois University and Arkansas University to look at test plots and how they're performing.



"Bring the heat, Mother Nature."



I used to shrivel at the thought of disease or a dry spell. But **Insignia® SC Intrinsic™ brand fungicide** changed that. With disease control and research proven **plant health benefits** that give me a better root system, I can handle stresses like drought and moisture events, extreme temperatures, and aerification—better than ever."

Intrinsic brand fungicides don't just fight disease; they give turf the resilience to endure stress. Find out more at IntrinsicPlantHealth.com.







www.buffaloturbine.com

NHRA Ph: 716.592.2700 Fax: 716.592.2460 All Buffalo Turbine products are manufactured in the U.S.A. and feature a

www.golfdom.com Golfdo

Seven-time winner of the national Folio: Award for editorial excellence

EDITORIAL STAFF

Marty Whitford EDITORIAL DIRECTOR 216-706-3766 mwhitford@northcoastmedia.net Seth Jones EDITOR-IN-CHIEF 785-690-7047 sjones@northcoastmedia.net Beth Geraci SENIOR EDITOR 216-706-3756 bgeraci@northcoastmedia.net Carrie Parkhill Wallace ART DIRECTOR 216-706-3780 cparkhill@northcoastmedia.net Joel Jackson CONTRIBUTING EDITOR flarn@aol.com **Clark Throssell** RESEARCH EDITOR clarkthrossell@bresnan.net Anthony Williams CONTRIBUTING EDITOR anthony.williams@marriott.com John Walsh CONTRIBUTING EDITOR jwalsheditor@gmail.com Karl Danneberger SCIENCE EDITOR danneberger.1@osu.edu Mark Woodward CONTRIBUTING EDITOR markwwrd@gmail.com Mike Klemme PHOTOGRAPHY mike@golfoto.com

BUSINESS STAFF

CLEVELAND HEADQUARTERS 1360 EAST 9TH ST. 10TH FLOOR, IMG CENTER CLEVELAND, OH 44114

Patrick Roberts VICE PRESIDENT SALES 216-706-3736 .lason DeSarle ASSOCIATE PUBLISHER 216-706-3758 Petra Turko SALES ASSISTANT 216-706-3768 Ryan Bockmuller MARKETING MANAGER 216-706-3772 Krystal Mayne PRODUCTION SPECIALIST 218-206-2209

jdesarle@northcoastmedia.net pturko@northcoastmedia.net rbockmuller@northcoastmedia net

proberts@northcoastmedia.net

krystal.mayne@superiormediasolutions.net Jamie Kleist PRODUCTION DIRECTOR 218-206-2107

jamie.kleist@superiormediasolutions.net

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

MARKETING/MAGAZINE SERVICES

Subscriber, Customer Service 847-763-4942

CORPORATE

Kevin Stoltman PRESIDENT & CE0 216-706-3740 kstoltman@northcoastmedia.net

Steve Galperin CORPORATE FINANCIAL CONTROLLER 216-706-3705 sgalperin@northcoastmedia.net

Pete Seltzer VP GRAPHIC DESIGN & PRODUCTION 216-706-3737 pseltzer@northcoastmedia.net



OFFICIAL PUBLICATION OF



American Society of Irrigation Consultants P.O. BOX 426 ROCHESTER, MA 02770; 508-763-8140; WWW.ASIC.ORG

Gol/dom 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 responsible for their safekeeping or return.

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 available to third parties for marketing purposes, simply call 847-763-4942 between the hours of 8:30 a.m. and 5 p.m. CT and a customer service 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 on other countries). All rexpedited service is available in countries outside the U.S. and Canada for the countries. Not service the service is available in countries outside the U.S. and Canada for the countries. The countries of the service is available in countries outside the U.S. and Canada for the countries. The countries of the service is available in countries outside the U.S. and Canada for the countries of the



an additional \$75 per year. Current issue single copies (prepaid 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 to the set of the se order shipping and handling for both current and back issue purchases. **Periodicals postage paid at** Cleveland OH 44114 and additional mailing offices.

POSTMASTER: Please send address change to GOLFDOM, PO Box 2090, Skokie, IL 60076. Printed in the U.S.A. Copyright 2012 North Coast Media, LLC. All rights reserved. No part of this publica-tion may be reproduced or transmitted 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, fax 978-750-4470. Call for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law.



GREEN LAWNGER® TURF COLORANTS Long-Lasting. Cost-Effective. Natural Looking.

For a quick and easy solution for natural-looking, yearround green turf, add Green Lawnger[®] turf colorants to your management program. University research shows that turf treated with permanent colorants absorbs more solar radiation, elevating soil and surface temperatures to help promote early spring green-up of turf grasses.

Professional turf managers and superintendents who want maximum performance from their turfgrasses use Green Lawnger turf colorants.

More green, more play, more profit.

Protect and Prepare

- Green Lawnger Instantly restores natural green color to dormant or discolored turf.
- Transition™ HC High concentrate dark turf colorant with broad application flexibility.
- Vision Pro[™] Visual spray aid ensures uniform applications of plant protection products and delivers persistent color to turf.



Scan this code using any free QR Reader app on your smartphone to see how turf colorants can work in your turf management program.



800-232-5907 • beckerunderwood.com 801 Dayton Avenue, Ames, IA 50010 Off The Fringe

BASF Summit Offers Future of Plant Health

PLANT HEALTH LABEL WILL SOON EXPAND BEYOND

FUNGICIDES. BY WILL NEPPER, CONTRIBUTING EDITOR

ASF's plant health family is about to get bigger. The 2012 BASF Agricultural Solutions Media Summit, conducted recently in Chicago, announced new additions to the company's family of Intrinsic plant health fungicides. The new products are part of BASF Specialty Products' heralded "path to sustainability" efforts, which they say address and encourage sustainability in the golf course, sports turf and lawn management industries.

BASF's Intrinsic Plant Health line, launched in 2010, utilizes pyraclostrobin as its active ingredient and carries EPA-approved plant health language on its product labels. Currently available products from the product

group are positioned to maintain disease control and plant health in turfgrass. BASF "You have to figure out how much you want to invest in the future (and) we really want to invest in the future," Jan Buberl, director of BASF's specialty

products, told *Golfdom*. "We have 10-year planning cycles. We know what key customer needs we want to address today and tomorrow. If we want to solve tomorrow's problem, we have to start working on that problem today."

defines plant health as increased growth efficiency and tolerance to stress.

BASF Specialty Products' Pillar G fungicide, which was originally launched in the fall of last year, will become an Intrinsic brand product with a plant health label later this year.

Intrinsic-brand Xemium fungicide — registered for crop use earlier this year — is slated to be formulated for turf

and ornamental use in 2014 as



Lexicon Intrinsic brand fungicide, with claims of continuous disease protection, proven plant health benefits and increased tolerance to stress, such as moisture and temperature extremes.

Because sustainability was a central focus of the Chicago conference,

Tom Hill, the company's communications manager, provided BASF's definition of sustainability.

"We want to balance economic success with environmental protection and social responsibility," Hill said.

The BASF Agricultural Solutions Media Summit, held every two years, draws industry media outlets and product end users for up-

dates on BASF Specialty Products and related research. This year's event was held at Chicago's Trump International Hotel and Tower.

The 2012 BASF Agricultural Solutions Media Summit included talks from some of BASF's top brass, including Harold Lauke, president of BASF biological and effect systems research; Markus Heldt, president of BASF crop protection; and Peter Eckes, president of BASF plant science.

Markus Heldt

Peter Eckes

THE GOLD STANDARD NOW AVAILABLE IN GREEN.



When it comes to course appearance, there is no trophy for second place. That's why we developed Reserve[®] Fungicide. Reserve delivers superior, broad-spectrum disease control without turf thinning that other fungicides can cause. Reserve prevents algae growth and controls just about everything under the sun including dollar spot, brown patch, snow mold and anthracnose. And thanks to Reserve's *StressGard*[™] formulation technology, it helps manage course stress, maintains turf roots and improves turf density. Of course Reserve is Backed by Bayer,[™] which means all of our research and support is at your fingertips to help you create the healthiest, thickest, greenest turf possible. Because when it comes to your course, good enough isn't good enough. To learn more, go to www.BackedbyBayer.com/Reserve.





Bayer CropScience LP, Environmental Science Division, 2 TW Alexander Drive, Research Triangle Park, NC 27709. 1-800-331-2867. www.BackedbyBayer.com. Bayer, the Bayer Cross, and Reserve are registered trademarks of Bayer. StressGard and Backed by Bayer are trademarks of Bayer. Not all products are registered in all states. Always read and follow label instructions carefully. ©2012 Bayer CropScience LP.



Off The Fringe

We Want to Take You to the Movies

Rain Bird and *Golfdom* partner to take two to Los Angeles for IUOW film screenings

hether you're a fan of the old classics ("Citizen Kane," "Casablanca," "Doctor Zhivago") or something more modern ("Old School," anyone?), Rain Bird and *Golfdom* want to take two lucky readers on an all-expensespaid trip to Los Angeles in October.

Green Industry professionals can enter their names into the drawing at www.golfdom.com/IUOW. We'll select one winner (plus a guest of their choice) to join the *Golfdom* team at the Intelligent Use of Water film competition, hosted by Rain Bird, at the Paley Center for Media in beautiful Beverly Hills, Calif.

"In the past, we've asked readers to both make their own films, and then vote in the competition. This year, the folks at Rain Bird had a great suggestion — that it'd be more fun to just take someone with us," says Seth Jones, *Golfdom* editor-in-chief. "We don't care what your movie tastes are... we just want someone who thinks it'd be fun to hang out in L.A. for a couple of days and attend a movie screening to come join us."



To learn more about Rain Bird's Intelligent Use of Water film competition — which awards \$15,000 in prize money for the best films about water conservation — visit www.iuow.com. To enter into the sweepstakes for the trip, visit www.golfdom.com/IUOW.

Phantom Cow Calls Golf Course Home

erhaps this cow was a golfer in a previous life. Or maybe even a superintendent. Whatever it was, it's one tough cow. After surviving a serious truck accident on I-70 in northeast Kansas,

the cow escaped to nearby Sunflower Hills Golf Course in Bonner Springs, Kan., where Mike Yadrich is the superintendent. (The accident happened in early April, and took the life of the truck driver.) Now the cow calls the course home, hiding on the outskirts of the property.

Attempts have been made to capture the animal, all unsuccessful so far. The Bonner Springs Police Department, the Wyandotte County park rang-

> ers and the maintenance staff teamed up on one occasion, but Bessie bolted. Now a pen has been set up to lure the cow, but the bovine hasn't bitten.

The good news is, the cow seems to respect the golf course, staying off the greens.

"I think it's scared of the greens," Jeff Johnson, course professional, told the *Kansas City Star.* "It takes a couple of steps and then it backs off."

A cow that respects golf greens? It's entirely possible that this cow has more golf etiquette than some human hackers we know.

Eagle One Sold to Golf Supply House

Eagle One Golf Products of Anaheim, Calif., has been purchased by Canadian company Golf Supply House.

Eagle One Golf Products has served the U.S. golf industry nationally for more than 20 years. It has a welldeveloped manufacturing capability in several key product segments, including recycled plastic golf course furnishings, golf course signage and golf flags. It also distributes a broad line of other golf course equipment and supplies.

"We're thrilled to have the opportunity to acquire Eagle One Golf," said Paul Cherrie, president of Golf Supply House. "This acquisition will allow us to increase the depth and breadth of our product offerings to better serve the North American golf market."

Golf Supply House plans to continue to operate the Eagle One Golf office and production facility in Anaheim, as well as its Eastern Distribution Center in Charleston, S.C. Terms of the transaction were not disclosed.

201

GRIGG BROS.

The best foliars for

Proven Foliar[™]

Delivering only the highest performance foliars for managing Summer Stress with the research to back it up.

Proven • Tested • Trusted

For your peace of mind this summer, choose Grigg Brothers® Proven Foliar[™] products. Science based Nutritional IPM[™] strategies for comprehensive turf health.

Visit our website to learn more:

www.griggbros.com

Reading Greens

EDITOR'S COMMENTARY

t's a small team that we have here at *Golfdom*. Beth Geraci is our senior editor, and Carrie Parkhill Wallace is our art director. The three of us make up the magazine's full-time editorial staff. We round out the rest of the crew with a team of expert freelancers from around the country. That includes our writers, columnists and photographers.

Considering our small full-time crew, it's unusual for both me and Beth to spend a lot of time with one of our writers. Usually one of us handles a story from beginning to end, and then we both look it over before ink hits paper, paper hits mailboxes.

That was not the case with this month's cover story. In fact, this story, penned by former superintendent Jay Charnes, has been in the works for over a year and included two trips to Louisville, Ky., three visits to two sod farms, one backyard barbecue and even one trip to church.

Jay first emailed me about wanting to do a story about the situation he found himself in (read: *soon-to-be unemployed*) in February of 2011. Some 18 months later, we're proud of the story he crafted for our magazine.

In June of 2011, Beth was invited to attend an industry event (which included a NAS-CAR race — it's hard work we do here) in Louisville. I gave Jay a call and asked him if he would be willing to meet with Beth and show her a golf course or two.

She got the VIP tour of Louisville golf courses, including a visit to Roger Meier at Valhalla Golf Club, which will host the 2014 PGA Championship. Her Sunday in Louisville started out with a trip to church with Mr. and Mrs. Charnes and ended with a backyard barbecue at the home of Mark Wilson, CGCS, who is well known in our industry as the host superintendent of the 2008 Ryder Cup matches. Beth got much more from her trip than I ever imagined, and we were both thrilled that the magazine made a few new friends in Kentucky.

Fast forward to March, 2012. I was invited to be the keynote speaker at the Kentuckiana GCSA meeting. A normal person would have

This Old Superintendent

BY SETH JONES



THIS STORY HAS BEEN IN THE WORKS FOR OVER A YEAR AND INCLUDED TWO TRIPS TO LOUISVILLE, THREE VISITS TO TWO SOD FARMS AND EVEN ONE TRIP TO CHURCH. reached out in advance, telling Jay I'd be in town for the day. Instead I just showed up and hoped he'd be there.

At the end of my talk, I walked to the back of the room. I asked the gentlemen standing next to me, "Hey, do you know Jay Charnes? Is he here?" Turns out Jay was sitting down right next to me. (In fact, I almost asked Jay himself if he knew Jay, and if he was there. I wonder how Jay — who has a quick wit would have answered?)

I introduced myself and thanked Jay for showing Beth such a great tour a year earlier. The next thing I knew, I was on the Jay Charnes tour myself. But Jay knew better than to try to take me to church — my tour ended at the local Buffalo Wild Wings for a few cold ones with some of the guys from the Kentuckiana GCSA.

Jay's story, "The 5.9%," about the slim number of superintendents who work into their 60s, starts on page 16. Just as our relationship with Jay has evolved over 18 months, so has this story. The first draft was dark. The next draft was more analytical. The final draft is what you can read here, and I'm happy that it includes a hopeful ending in the sidebar about Jay and Mark's new business, Superintendent's Choice Sod.

I'm also happy that our small *Golfdom* team has had the chance to get to know Jay over the last 18 months, and now calls him a friend. In his story, Jay asks the question, "What happens to old superintendents?" I think the answer to that question is different for everyone. But I know one thing: we're better off for having crossed paths with this old superintendent.

E-mail Jones (who swears he isn't as old as he looks) at sjones@northcoastmedia.net.