The new Smithco Star Command System changes everything.

Start with the best spray platforms in the industry: Smithco Spray Star 3180 and 2000.

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



The Star Command System controls the on and off spraying function right at the tip. Shutoff is instantaneous.

Speed no longer matters. Spray from 2 to 10 mph.
Never overspray between passes again.
Save up to 30% on chemicals annually!



The Capstan[®] SharpShooter[®] and the SharpShooter Electronic Control allow a constant operator-set pressure at rates from 0.4 to 5.0 GPT at speeds from 2 to 10 mph.



Never overspray. "AS-APPLIED" MAP of the application is created by the GPS-guided sprayer's individual nozzles. Save up to 1/4 of your chemical budget.

This is what the future of spraying looks like.

The new Smithco Star Command System is about to change everything. And that includes lowering your annual chemical costs by up to 30%. When's the last time you bought a product with a return-on-investment like that?



全球頂級高爾夫球場精選採用的設備。

Se les confía en los mejores campos de golf del mundo.

On lui fait confiance dans les meilleurs terrains de golf du monde.

Die besten Golfplätze der Erde verlassen sich auf uns.

Trusted by the best courses on Earth.

Wairakei International Golf Course Lake Taupo, New Zealand

No matter where you are in the world, we believe the best way to understand your business is to look at it from your point of view. Seeing the course through your eyes gives the best perspective on how we can help you. That's why we have a financial company that's tied directly to the golf industry. A dedicated national network of dealers. And the most innovative lineup of equipment in the industry.

It's why we continue to ready all of our products for the future. And increase our commitment to the game of golf.

We bring these qualities to courses all over the world, along with the desire to make golf course maintenance easier while delivering quality at the highest level.

We are John Deere Golf. Trusted by the best courses on Earth.





VOL. 69 // NO. 2 GOLICOM SINCE 1927—The Resource for Superintendents // Golfdom.com

Contents/02.13 SHARP SHARP PAR

Wayne Kappelman works on the front line keeping San Francisco's Sharp Park bulletproof **BY SETH JONES**

//30 **Taking Action** How Daconil shaped Lee Kozsey's 50-year career. BY CURT HARLER



Focusing on irrigation in the golf

course and sports turf arenas, Rain Bird's Intelligent Use of Water Summit makes a splash with supers and students.

BY BETH GERACI

//35 The STMA show

The first major trade show of the vear adds more education and sees an immediate uptick in attendees, optimism and buying interest. BY SETH JONES

IMAGINE A BIG BLOCK 454 THAT GETS 100 Miles Per Gallon.

INTRODUCING THE G885 GOLF ROTOR The ultimate combination of power and performance.

Boasting the highest torque output of any golf rotor available, the G885's patented gear drive will push through anything that gets in its way. With just one rotation of the turret by hand, you can clearly feel this rotor's supreme durability. Throw in Total-Top-Serviceability, a wide range of efficient dual-trajectory nozzles, and Hunter's great reputation for customer support, the G885 becomes the must-have rotor for any golf system, anywhere.





GOLF IRRIGATION | Built on Innovation Learn more. Visit hunterindustries.com/golf

Golfdom//02.13

SUPER SCIENCE

//37

PoaCure herbicide tested on greens in Arizona

BY CLARK THROSSELL, PH.D.

//38 Glyphosate

resistance in turf: A problem on the horizon

BY JAMES T. BROSNAN, PH.D. AND GREGORY K. BREEDEN

COLUMNS

- // 8 Keeping up with the Jones Seth Jones
- // 16 At the Turn Mark Woodward
- // 18 From the Back Tees Joel Jackson
- // 20 Assistant Living Matt Neff
- // 42 The Turf Doc Karl Danneberger
- // 43 Clark Talks Turf Clark Throssell







DEPARTMENTS

 $/\!/\,12$ Golfdom Gallery

// 44 The 19th Hole

// 14 My Second Office

// 10 Starter

Golfdom.com



//IPAD APP

Want more of *Golfdom*? Of course you do! Our iPad edition is available for download now. Search for *Golfdom HD* on the App Store to see how the work of our award-winning writers, photographers and graphic designers comes to life in our iPad app.

//ONLINE EXCLUSIVES

Visit the **Golfdom Daily** (golfdom.blogspot.com) for the best promotions seen at this year's GIS.



//GOLFDOM TV

Stop by Golfdom.com to see updates from the Golf Industry Show in San Diego, Calif.



//LIKE US facebook.com/ golfdommagazine

4 // Golfdom February 2013

Trust your whole course to Quali-Pro[®].

Negate[™] is a new post-emergent herbicide that gives you efficient, cost-effective control of grassy and broadleaf weeds on your course.

NEGATE

37WG

Introducing Negate", the grass and broadleaf weed control that's proven to go the distance.

It's a fact: Negate utilizes ALS inhibitor technology to provide fast and complete post-emergent control of major weeds on courses with Bermudagrass and Zoysiagrass. With Negate you can efficiently and cost-effectively control 35 troublesome weeds like poa, ryegrass and most other broadleaf weeds, leaving your course stronger and healthier.

Find out how Negate can eliminate your weed problems and add value to your course. Visit us at www.quali-pro.com/negate or call 800-242-5562.





© 2013 Quali-Pro. Quali-Pro is a registered trademark of MANA. Always read and follow label directions.



The Award-winning images of John R. Johnson have captivated golfers throughout the world for years, from the iconic Successories images he photographed to numerous books, calendars and magazine covers.



GOLF INDUSTRY COMPANIES

Call to gain stock access to over 400,00 images for your promotions.



GOLF COURSES & PRIVATE CLUBS

Call to schedule a comprehensive photo shoot for marketing, PR and web applications, featuring our 24/7 online archives.

FRAMED PRINT & CANVAS MURALS FOR HOME & OFFICE

golfphotos.com

YOUR SOURCE FOR EXCEPTIONAL GOLF PHOTOGRAPHY 206-324-2442 • INFO@GOLFPHOTOS.COM

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 coun-

tries outside the U.S. and Canada for 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 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 2013 North Coast Media, LLC. All rights reserved. No part of this publication 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.

6 // Golfdom February 2013

Golfdom

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

IOI Editorial excenence

EDITORIAL STAFF

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

SENIOR EDITOR Beth Geraci 216-706-3756 / bgeraci@northcoastmedia.net

ART DIRECTOR Carrie Parkhill Wallace 216-706-3780 / cparkhill@northcoastmedia.net

CONTRIBUTING EDITORS

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

BUSINESS STAFF

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

VICE PRESIDENT, SALES Patrick Roberts 216-706-3736 / proberts@northcoastmedia.net

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

MARKETING MANAGER Ryan Bockmuller 216-706-3772 / rbockmuller@northcoastmedia.net

MANAGER, PRODUCTION SERVICES Chris Anderson 216-978-5341 / canderson@northcoastmedia.net

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

MARKETING/MAGAZINE SERVICES

REPRINTS & PERMISSIONS Nick Iademarco 877-652-5295 / niademarco@wrightsmedia.com

SUBSCRIBER, CUSTOMER SERVICE / 847-763-4942



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

VP OF FINANCE & OPERATIONS Steve Galperin 216-706-3705 / sgalperin@northcoastmedia.net

VP OF GRAPHIC DESIGN & PRODUCTION Pete Seltzer

216-706-3737 / pseltzer@northcoastmedia.net EDITORIAL DIRECTOR Marty Whitford 216-706-3766 / mwhitford@northcoastmedia.net



OFFICIAL PUBLICATION OF American Society of Irrigation Consultants P.O. Box 246, Rochester, MA 02770 508-763-8140; www.ASIC.org



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 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.

DON'T JUST MANAGE POA. ELIMINATE IT.

Introducing a product that doesn't just manage or suppress Poa, it actually eliminates it. XONERATE° herbicide from Arysta LifeScience is a major breakthrough in turf management; giving you control of *Poa annua* that's 90% effective — more than any current product on the market. For the whole story, talk to an Arysta LifeScience representative or visit www.eliminatepoa.com.



Always read and follow label directions. XONERATE and the XONERATE logo are registered trademarks of Arysta LifeScience North America, LLC. Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Anysta LifeScience Corporation. ©2012 Arysta LifeScience North America, LLC. XON-013



Arysta LifeScience Arysta LifeScience trademarks of Ary

Keeping up with **The Jones**



"They were in a life or death situation, and they chose life. And not just the life of the red-legged frog, but the life of a golf course."

ARE YOU GONNA DRINK THAT?

SETH JONES, Editor-in-Chief

The life of a golf course

was there at the wrong time to go inside the pro shop, that's OK.

he pro shop at Sharp Park Golf Course in San Francisco is about as big as my 6-year-old's bedroom. And there's a locked metal gate instead of a regular door. As soon as I saw this, I started walking away. Pro shop's closed, no problem. But then a woman came hustling out of the bar and asked me if I needed something. "Not really," I said. I'm the kind of person who doesn't like to make extra work for people. If I

But she insisted. Before I could protest, she was sliding open the gate and flipping on the lights, inviting me to take a look around.

If you want an \$80 golf shirt, you're at the wrong place. Their hat selection is kind of like the Ford Model T — any color you want, as long as it's white.

As I was paying for my Sharp Park hat (yeah, I chose white), the woman asked me, "Are you the writer from *Golfdom*?" I told her I was. "Thanks for coming out here," she said.

It's not unusual for me to get a warm welcome from

the guys in the maintenance facility. But at Sharp Park, I got the red carpet treatment from the bartender, the cook, the starter, the golfers. These people were genuinely happy to see a reporter out on the golf course with a keen interest in the work of their maintenance crew.

Good on you, Sharp Park. We didn't choose Wayne Kappelman as the winner of our 2013 Herb Graffis Businessperson of the Year because his course is all organic. We didn't choose him because he's had environmentalists accusing him and his staff of everything from the Great Chicago Fire to Seattle losing the SuperSonics.

We chose Kappelman because he and his team believe in the life of a golf course. They believe that 50,000 golf rounds a year can't be wrong. They believe that employing some 60 people in Pacifica, Calif., is a good thing.

One of my favorite movie quotes comes from Tim Robbins in "The Shawshank Redemption" when he tells Morgan Freeman that you either "get busy living or get busy dying." At Sharp Park, despite their opposition, they've been busy living. They were in a life or death situation, and they chose life. And not just the life of the red-legged frog, but the life of a golf course.

When I first arrived at Sharp Park, I grabbed a seat at the bar and had a late breakfast. The buzz was that one of the regulars got "the call." A 49ers season ticket holder, there were two tickets to the Super Bowl available if he wanted them.

I bought the regulars a round of drinks as I tabbed out, and was suddenly a friend of the gang. I chatted briefly before excusing myself in order to keep my meeting time with Wayne.

The next morning I was back in the bar, and the gang was back again too. It was quickly announced that the guy who bought a round of drinks yesterday was back, and hey, how are you today?

I couldn't have been any better. I was on a great assignment, and I was seeing firsthand what makes this game great — the people. People like Kappelman, like Lisa Wayne, like the regulars sitting at the bar, like the employee eager to open the pro shop doors (or gate) for a stranger.

I've been to some of the best pro shops in the nation. Sharp Park's pro shop would get eaten in one bite compared to some of these places. And yet it's one of the most memorable pro shops I've seen.

Just like this was a memorable trip. I want to thank the people at Sharp Park for being so welcoming, and I want to congratulate Wayne Kappelman for his hard work, and for being named the 2013 Herb Graffis Businessperson of the Year.

Email Jones at: sjones@northcoastmedia.net.

GRAADDAUBRAADDAUALONEDON'TGET REMEMBERED



BRAND YOUR COURSE



BRAND YOUR TEES!

with Green Line Tee Signs

- Full-color, custom logos.
- Engraved with colored resin. Or, inlaid with full-color decals.
- Durable, fade-resistant Green Line products.
- Includes hole number, layout and distance designation.
- No limits on color for logos/layouts.

BRAND YOUR GREENS!

Simply send your logo or special event design. We can produce it.

- Photo-quality reproduction through state-ofthe-art dye-sublimation.
- Brilliant, unlimited full-color reproduction that's more versatile, more economical.
- For maximum flag life, customize with our 250 denier polyester quad-stitched flags.

NOBODY DOES MORE OF IT. AND NOBODY DOES IT BETTER, FASTER AND EASIER THAN STANDARD GOLF.





WITH NEW CUSTOMIZED **PRODUCTS FROM STANDARD GOLF**

reade Creek

BRAND YOUR EVENTS!

- Personalize every hole for just \$13.33 each.
- Ideal for all your course events. (Men's/women's) leagues, member/guests, tournaments, corporate outings.)
- Excellent revenue source for charity fundraisers.
- Available on white polyester only.
- Designed for use in events. Limited 30-day warranty.



NO ART CHARGES!

5.55

PER FLAG

Call today to see how you can provide your logos or graphics and avoid art charges.

BRAND IT ALL!

inta Fe

Benches, fixtures, signage, range items, practice green markers/flags. And if you can't find it, let us know and we'll see if we can make it.



Engraved



🛐 | 🚾 | www.standardgolf.com | 1-866-743-9773 | 48-Hour Shipping on in-Stock items





SPECIAL EVENT CUPS

ST2000 SMART-FIT[™] CUP

CROWN ALUMINUM TEE MARKER

NEW CUSTOM EVENT FLAGS

THINK PINK!

Welcome the ladies to your course with a complete line of customized flags, flagsticks, tee markers, cups, special event cups, and more! Now available exclusively from Standard Golf. A PORTION OF THE PROCEEDS GOES TO THE FIGHT AGAINST BREAST CANCER



Real people. Real service. Total customer satisfaction.

A HIGHER STANDARD OF SERVICE

Now you have two resources: your preferred Standard Golf Distributor and your SG Express order specialists.

- Talk to experienced, knowledgeable specialists ready to answer your product questions and personally manage your custom orders.
- Visit with art directors who personally walk you through your customized orders.
- Check out our intuitive e-commerce site that allows you to place and track orders online.

LET'S GET STARTED. CALL TODAY!

1. CALL SG EXPRESS (866-743-9773) or ...

2. ORDER ONLINE. Need help? Call and we will walk you through the process.







Pump up your weed control. Get twice the preemergent power by tank mixing **Tower® herbicide** and **Pendulum® AquaCap™ herbicide**. **Tower herbicide**, a broad-spectrum preemergent with dimethenamid-p, controls small-seeded broadleaf weeds, grassy weeds, and annual sedges. **Pendulum AquaCap herbicide** encapsulates a water-based formulation of pendimethalin for unbeatable control of more than 45 types of weeds and grasses.

betterturf.basf.us





TV actor Lorenzo Lamas (left) and agronomist Chase Rogan share a laugh on the set of Spike TV's "The Joe Schmo Show." "(Agronomy) was something they'd never heard of before, but they thought it was pretty cool and different," Rogan says of the cast.

JOE SCHMO IS A TURFIE

BY SETH JONES // Editor-in-Chief

The van rolls up to a house where a fugitive lives, and Chase Rogan sighs. "They could use some turf consulting," he deadpans.

Rogan, star of the Spike Network reality series The Joe Schmo Show (airing Tuesdays at 10/9 p.m. CST), is the owner and head agronomist for Pittsburgh-based Pure Turf Consulting and a regional expert for ePar USA. Having received his masters in agronomy in 2011, his company is just starting out, just like his fame as a reality TV star.

"I was out having drinks with my in-laws a couple weeks ago, and a guy asked me, 'Are you Joe Schmo?" Rogan says. "My Twitter following has definitely increased."

The premise of the show is unique: It's a reality show that's fake. Well, more fake than the others. On this show, only one person is participating with the belief that the show is legit (known as the "Joe," in this case, Rogan). All the other participants are actors in on the set-up. The pretense is that the winner of this show will win \$100,000 and a chance to become a professional bounty hunter.

So did Rogan win the \$100,000 on the fake show?

"Sorry, I can't comment on that," he says.

But does he still want to be a bounty hunter?

"...No. I'm not sure how much I'm allowed to say," he says. "But I was there to win \$100,000."

Though we'll have to wait to see how the show ends, Rogan does hope the show can help his turf business.

"I hope it has a big impact on my career. I'm hoping people will see it and at least want to talk to me so I can continue to broaden my network," he says. "I'm all about meeting new people and I hope this opens some doors."

// GROWING THE FAMILY NUFARM ACQUIRES CLEARY CHEMICAL

Nufarm last month acquired Dayton, N.J.-based Cleary Chemical Corp., a marketer of fungicides, insecticides and plant growth regulators for the turf and ornamental horticulture industries.

Nufarm stated its acquisition of Cleary, an \$11 million company, will further strengthen its product offering as the third-largest plant protection provider in the T&O market.

"We are excited about the synergy and opportunity this move will bring," stated Darryl Matthews, general manager for Nufarm in North America.

According to Nufarm, "Cleary's extensive portfolio of fungicide brands will boost Nufarm's market presence and make it an even more attractive supplier for golf and greenhouse/nursery customers."

Under the agreement, Nufarm will continue to offer the Cleary line of products under the Cleary name, and customers seeking Cleary merchandise or information should continue to contact their Cleary representatives.

//WHAT A DEAL

FMC LAUNCHES WINTER HERBICIDE PROMOTION

Superintendents can save when they stock up on select herbicides from FMC Professional Solutions from now until March 15.

Purchase one of seven herbicide products and earn sizable rebates, plus bonuses, based on purchasing levels. Eligible products include Quicksilver, SquareOne, Dismiss, Blindside and more. Rebates vary depending on product and container size.

FMC also has just launched a special Talstar Professional promotion, aptly called "Buy 3 Get the 4th Free." The promotion runs now through Nov. 30 and applies to 1-gallon and three-fourths-gallon jugs of the liquid insecticide.

For full details on both of these promotions, visit fmcprosolutions.com.