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WISCONSIN PATHOLOGY REPORT

Dual-fan nozzles and reduced water volume

Reducing the amount of water volume used in a given application can have clear benefits in application efficiency. Less water means fewer trips back to the shop to refill. However, going too low can impact the quality of disease suppression and defeat the purpose of making the application at all. An informal survey conducted this past spring found most Wisconsin golf course superintendents used a water volume between 1 and 1.5 gallons per 1000 ft². Air induction nozzles have been widely adopted by superintendents in recent years for their ability to decrease drift while maintaining adequate fungicide coverage on the plant. More recently, dual fan nozzles have been introduced with reports of increased plant coverage. Some superintendents have made claims that the dual fan nozzles allow for significantly reduced water volumes to be used because of the excellent coverage provided by the nozzle. This study will investigate the ability of both air induction and dual fan nozzles to provide adequate disease suppression at a number of different water volumes.



Left: Tee Jet Air Induction Nozzle
Right: Greenleaf Technologies Dual Fan Nozzle

Dollar spot suppression provided by strobilurin fungicides

The strobilurin (or QoI) fungicides are an important class that includes widely used products such as Heritage, Insignia, Compass, and Disarm. These products provide excellent suppression of a number of important golf course diseases including brown patch, anthracnose, and both pink and gray snow mold. However, the most prevalent disease found on Wisconsin golf courses is dollar spot, and none of the strobilurin products are labeled for dollar spot control. Some research has even suggested that dollar spot is worse on turf where Heritage is used. Though not labeled for dollar spot control, Insignia is labeled for dollar spot suppression, and has been found in some instances to significantly increase the duration of dollar spot suppression when combined with the new BASF fungicide Xzemplar (the combination of Insignia and Xzemplar is known as Lexicon). This study will attempt to examine the impact, both positive and negative, that all the strobilurin fungicides have on dollar spot control. Nearly every fungicide application made in Wisconsin during the growing season needs to have some sort of dollar spot control. If one or more of the strobilurins are indeed found to decrease dollar spot severity, it would allow superintendents more flexibility in developing their spray program. ✓

Azoxystrobin
Boscalid
Fludioxonil
Penthiopyrad
Trifloxystrobin

Table 1. Reduced-risk fungicides currently labeled for use on turfgrass from the Environmental Protection Agency website (www.epa.gov).

The Turfgrass Information File Database



www.wgcsa.com/member_login.php

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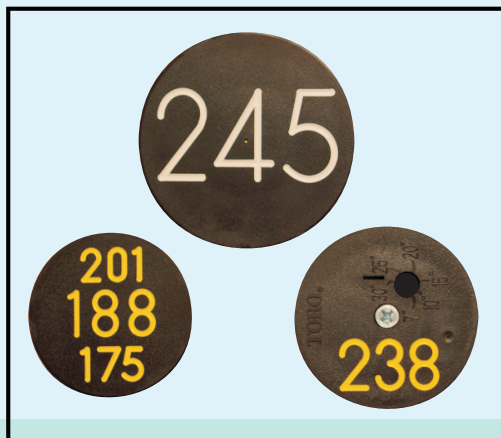
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16x26 \$3.25 each



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News and Notes From WGCSA Members

By Matt Kinnard and The DHD Team

Career Moves

Over the winter, Deer Track Golf Course near Oconomowoc, hired **Jared Stuebner** as its new superintendent. Jared returns to his home state having completed his turfgrass management degree at Rutgers University and working at several golf courses across the country.

In 2002, Jared started working at Fire Ridge Golf Club in Grafton for Stan Lushine. He said, "The admiration for my first Superintendent, Stan Lushine, directed me into the industry. I was an adolescent slacker who cared more about social activities than being a productive member of society. His direction and ability to extract the most out of every crew member was truly inspirational and transformative. Since then I have made it my goal to do the same for every crew member of mine."

Since working at Fire Ridge, Jared interned at Brookline CC on Long Island, The Oaks Club in Sarasota, Florida, and The Aspen Club in Carbondale, Colorado. He was the Assistant Superintendent at Brightwater GC, Rifle Creek GC and Lakota Canyon Ranch, all in Colorado.

Jared is married to his wife, Whitney, and they have two young daughters and a couple Australian Shepherds. In his spare time he mountain bikes, snowboards, and plays guitar. While in Colorado he was an avid ski mountaineer, summiting five 14,000-foot peaks and has ridden his snowboard down countless summits above 12,000 feet. Until he moved, Jared also played in a Colorado band for the past seven years. Now his focus is Deer Track. Welcome back to Wisconsin and congratulations on the new job, Jared!

I'm happy to report that **Andy Kronwall** was hired as the Superintendent at Abbey Springs Golf Course in Fontana, WI. Andy was born and raised on a dairy farm in southeast Wisconsin, tinkered with customizing and painting vans in high school but found working on a golf course the most satisfying job. He attended a local technical college studying horticulture and began working at Lake Geneva Country Club in 1980 as a general laborer for

the late Gil Gergdoll. When Gil became ill and had to retire in 1983, Andy was asked to step in as Superintendent and held that title for an incredible 30 years.

Andy outlined the progress LGCC made in the last decade, "In 2003 we started a ten year plan to renovate/update the golf course doing much of the work "in house". Our objective was to make the course challenging for all skill levels without compromising the 1895 design. We removed trees, added tees, moved bunkers, changed fairways and returned many greens to their original square shape. It was a lot of extra work, but I really enjoyed the process of taking a dated design and turning it into a gem once again. In the spring of 2013 we celebrated the completion of our course renovation with the opening of the newly gassed and re-grassed greens."

Over the winter, Abbey Springs restructured its management team and Andy received a phone call from his close friend and Abbey Springs Director of Grounds, David Smith. David asked Andy if he would join the team as golf course superintendent. The answer was an enthusiastic, yes!

Andy said, "It's funny how things work out. I am now part of a management team in the twilight of my career working with one of my closest friends." In his spare time he and his wife, Kathy, enjoy playing golf and riding their motorcycles. Congratulations Andy and much success at Abbey Springs!

Last fall, The Legend at Bergamont confirmed **Jered Kamin** as their new golf course superintendent. Jered's first taste working on a golf course was during high school and college while working at Oconomowoc Golf Club. He had attended MATC and UW-Whitewater but was still unsure of the career path he wanted to take. Oconomowoc Golf Club Superintendent, Dustin Riley, approached Jered one summer and asked if he had considered turfgrass management as a career. With some help and guidance from Dustin, Jered enrolled in the Penn State University turf program where he graduated in 2007.

Jered interned at Weston Golf Club in

Weston, MA before returning back to Wisconsin to work at The Legend at Brandybrook as the second assistant. He then moved to another Legend course, this time in Madison at The Legend at Bergamont as the first assistant. Now in his first full season as the superintendent at Bergamont, Jered is enjoying the challenges that come with being a new superintendent. He still finds time to bow hunt, ice fish and hit up a Brewer game once in a while.

Jared also recently celebrated his two year anniversary with his wife, Amanda, in May. Congratulations Jered!


Retirement

Wisconsin golf course superintendents maintain an incredibly demanding workload and schedule yet are some of the most talented and professional people of any industry. With that said it's a significant accomplishment to start and finish your career as a superintendent. What's more remarkable? Doing it at the same golf course. For 43 years, **Lenny Eibl** has been the golf course superintendent at Bristol Oaks Golf Course in Bristol (Kenosha), WI. Over the winter he decided it was time to retire.

Before he began his days on the golf course, Lenny served his country in the Vietnam War. For his service, Lenny was honored with a Purple Heart and Bronze Star.

He started his career in golf as the superintendent at Bristol Oaks in 1970. Despite the challenges every superintendent faces Lenny always had Bristol Oaks in great condition. Now, in his retirement, Lenny can spend more time with his wife, Bonnie, their four children and four grandchildren.

Having worked with Lenny over the years, there isn't a more genuine person in the industry... just one of the many reasons why he was so successful and enduring. Congratulations Lenny and wishing you an enjoyable retirement!

Please call or email me with any significant news or happenings around the state so we can spread the good news. I can be reached at matt@pro-turfsolutions.com or (262) 720-0251 



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The Chemical Company

State Of The Art Research And The Basics - A Great Year To Bring Your Staff!

By **Tom Schwab**, Manager, O.J. Noer Turfgrass Research and Education Facility, University of Wisconsin-Madison

Most of you have been to the WTA Summer Field Day many, many times. This year's Field Day is a great opportunity to bring your staff who may have never experienced this great educational event. The UW turf professors and staff have lots of innovative research to share with you. There will additionally be plenty for your staff to brush up on, including sprayer and spreader calibration, weed control, grass selection and so much more. The morning education will be geared more towards the basics, while the afternoon will be focused on some of the most up-to-date research findings coming from your UW turf research program. Whether you're a veteran or new turf manager, you will have loads to learn at this year's Field Day.

Here is a list of some of the presentations that are scheduled for Field Day:

- Factors Affecting Weed Control
- Sprayer & Spreader Calibration
- Grass Selection in Seed Science
- Japanese Beetle Life Cycle
- Managing Rust on Lawns
- Tree & Shrub Ornamental Applications
- Reduced Water Volume Disease Control
- Recovery From the Harsh Winter
- Reduced Risk Disease Control
- Soil Testing for Potassium
- Cooling Turf with Fans & Syringing

Please see the registration form for specific times of these presentations. Many other research projects will have signs and information displayed on plots so that you can visit them on your own schedule as a self guided tour. The professors and research

staff will have time between talks to discuss any specific questions you bring to them. Catch them between talks or over lunch and they will be happy to work with you to give you the answers you need.

Field Day 2014 is on Tuesday, July 29th at the OJ Noer Turfgrass Research Facility in Verona. The registration form is included in the newsletter. Also note, the pricing structure has been changed for 2014 to allow you to bring more staff from your organization. Staff can register for a \$10 discounted price after the first registrant. What do you get for registration? First and foremost – great education. But a close second – donuts and coffee in the morning, a great lunch at noon, and a wonderful opportunity to share ideas and camaraderie with peers throughout the day.

One other benefit is the ever popular Field Day Tradeshow. There will be over 30 companies at this year's trade show. Helpful vendors will display and give details about their equipment, products and services to help you manage your landscapes better. Several equipment vendors allow test drives of their machines so you can compare performance between the different makes.

Summer Field Day is a great way to learn about the latest research coming from the UW-Madison, to compare the newest commercial offerings from the trade show, and to visit with colleagues over a great lunch. You will surely leave Field Day with many ideas to put into practice back home. Contact Audra Anderson, WTA administrative assistant, at 608-845-6536 or ajander2@wisc.edu if you have any questions.

Your Field Day brochure is included in this newsletter or may be downloaded from the WTA website, www.wisconsinturfgrassassociation.org. You may also register and pay online from the website. Field Day 2014 is going to be the best ever, and we hope to see you there on July 29th. ✓

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Wisconsin Turfgrass Summer Field Day

Tuesday, July 29th 2014



at the O.J. Noer Turfgrass Research and Education Facility in Verona, WI



The O.J. Noer Facility in Verona is where you need to be on July 29th to learn all the latest turf management innovations coming out of the UW Madison. **Morning talks will focus on lawn-care, sports, & general turf tips, and afternoon will focus on golf turf management solutions.**

What you will learn: Factors affecting weed control, Calibration of spreaders and sprayers, Seed selection, Japanese beetle life cycle, Managing rust disease, Tree and shrub applications, Recovery from harsh winters, Reduced risk disease control, Soil testing for potassium, Cooling your turf with fans and syringing, and so much more.



Fun and education for all. There will be turf tips and research findings for anyone working in lawn care, sports field management, sod production, and golf course management. Great lunch and camaraderie are included.



The trade show will have a huge variety of equipment and turf supplies / services to help you improve your maintenance program. Get expert advice from the many helpful exhibitors.

Registration Form and additional details on back or go to www.wisconsinturfgrassassociation.org to register and pay online

Questions - Contact Audra Anderson, WTA administrative assistant, at (608) 845-6536 or ajander2@wisc.edu

Field Day Schedule

8:00 – 9:00	Attendee Registration
9:00 – 9:30	Welcome Session
9:30 – 11:00	Lawn Care & General Turf
11:00 – 1:30	Trade Show Only Time
12:00 – 1:15	Lunch
1:30 – 3:00	Golf Turf
All Day	Trade Show

Registration Includes

- Donuts & coffee at registration
- Morning and afternoon turf education
- Wisconsin style cookout for lunch
- All day Trade Show
- Become a new WTA member and receive free admission to Field Day 2014. Contact Audra for details ajander2@wisc.edu or 608-845-6536

Lawn Care / General Turf 9:30 – 11:00

- Factors Affecting Weed Control
- Sprayer & Spreader Calibration
- Grass Selection in Seed Science
- Japanese Beetle Life Cycle
- Managing Rust on Lawns
- Tree & Shrub Ornamental Applications

Afternoon Golf Turf 1:30 – 3:00

- Reduced Water Volume Disease Control
- Recovery From the Harsh Winter
- Reduced Risk Disease Control
- Soil Testing for Potassium
- Cooling Turf with Fans & Syringing



O.J. Noer Facility Directions
3101 North County Road M
Verona, WI 53593 tel - 608-845-6536

- From Madison Beltline US-12 & 18
- Take Mineral Point Road exit
- Go West on Mineral Point Road 7 tenths of a mile to Pleasant View Road roundabout
- Exit roundabout onto South Pleasant View Road
- Continue 2.5 miles to O.J. Noer Facility



cut here and return with payment

Registration

Mail registration form and check payable to **WTA** by **July 22nd** to **O.J. Noer Turfgrass Facility / 2502 Highway M / Verona / WI / 53593**. Or register online at www.wisconsinturfgrassassociation.org. **Prices are for pre-registration if postmarked by July 22nd. Add \$5 after July 22nd and for on-site registration.**

Name of all employees _____

Company _____ email _____

Mailing address _____

City/State/Zip Code _____ phone _____

WTA member ----- \$35 = _____

Additional employees from same WTA member organization ----- \$25 each x # emps _____ = _____

Or Not a WTA member ----- \$40 = _____

Additional employees from same Non-WTA member organization - - \$30 each x # emps _____ = _____

WTA membership (New member, get one free registration) - - - - - \$125 = _____

GRAND TOTAL = _____

April Meeting At The Club At Strawberry Creek

By Scott Bushman, Golf Course Superintendent, Fox Valley Golf Club

The WGCSA held the first golf and education meeting for the 2014 season at The Club at Strawberry Creek on Tuesday April 22. The hosts for the event were Matt Kregel golf course superintendent and Jeremy Dahl assistant golf course superintendent. The Club at Strawberry Creek is a Rick Jacobson design golf course that opened in 2006. The property was originally the Thompsen Strawberry farm. It was a 150 acres of self pick strawberry fields. The owners of the strawberry fields decided to downsize and a group of investors had been looking at this property. Four main investors decided to purchase the property and build a golf course. One of the investors is Jay Hilgenberg a retired all pro from the Chicago Bears. The golf course and the housing development is 385 acres in size with

the golf course consisting of 180 acres of that total. The golf course has a total of 52 acres of bentgrass, 44 of that acreage is fairways.

The day started with a presentation by Dr. Doug Soldat titled Sodium Bicarbonate and Iron buildup in USGA putting greens, should you be concerned? Doug presented the results of some of the studies done on the layering that can form at or near the gravel layers under USGA putting greens. The samples were obtained from golf courses throughout the U.S. Many tests were performed to determine the affects of Sodium Bicarbonate and Iron buildup. Doug talked a lot about the pH levels and how that has a big impact on the results of the studies. Optimum pH levels should be between 6.0 and 6.5.



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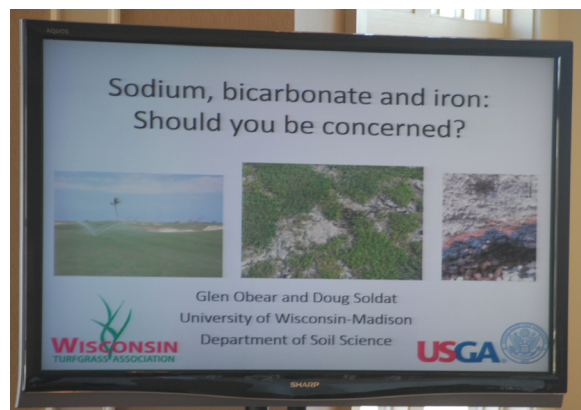
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Dr. Doug Soldat gave a talk titled Sodium, Bicarbonate and Iron: Should You Be Concerned?