

## Start Planning For Success In 2012

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

The 2012 WTA Winter Turfgrass EXPO will again be held at the Kalahari Resort & Convention Center in Wisconsin Dells. This central location was a success last year providing a great venue for reaching all turf managers looking to advance their education. The date is Tuesday, January 24th. In addition to EXPO there is a Wisconsinizing social gathering the evening before for those staying overnight.

A registration form is included in the newsletter or you may register and pay online at [wisconsinturfgrassassociation.org](http://wisconsinturfgrassassociation.org). What a great way to start out the new year - to gather with your peers and learn from local and national turf researcher and practitioners. Speakers will review challenges of the previous season and give tips on how to plan for success in 2012. Contact WTA administrative assistant Audra Anderson at 608-845-6536 or [ajander2@wisc.edu](mailto:ajander2@wisc.edu) if you have any questions about the program.

The conference speakers will discuss challenges that we faced during the 2011 season. The weather was challenging, especially during the hot humid summer. But for many turf managers, even worse than the weather was the thus-far poorly explained "Imprelis" herbicide catastrophe. This herbicide, even when applied correctly, had a secondary effect of damaging adjacent evergreen trees. A roundtable discussion including several lawn care and golf course managers will explain what they had to deal with after the damage was done. Additionally, Dr. Bert Cregg from the horticulture department at Michigan State University will offer his advice on post 'Imprelis' tree care.

The UW-Madison Turf Team of professors, including Drs. Williamson, Kerns, and Soldat, are going to further explain secondary effects of pesticides including insecticides, fungicides and herbicides. Pesticides are a great tool for turf managers to maintain healthy turf but there are often secondary effects from their use that the professors will delve into.

You may have heard about the new EPA WaterSense program. This is a national initiative to conserve water. This includes landscape irrigation which is estimated to waste up to 1.5 billion gallons of water every day across the country.



**Dr. Kerns addressing attendees at Winter Conference 2011.**

WaterSense irrigation can help you reduce your water consumption, save money, and maintain healthy and beautiful landscapes. To explain this, we have brought in Dr. David Kopec from the University of Arizona. Dr. Kopec will share some eye opening stories, considering the brutal drought experienced in the Southwest in 2011. He'll explain efficient WaterSense irrigation technologies and techniques used throughout the country.

Two additional talks by Drs. Jim Kerns and Chris Williamson will complete your EXPO education. Dr. Kerns will present an overview of prominent diseases that damaged turf last year and offer research based solutions for keeping grass healthier next year. Dr. Williamson will talk about a new insecticide, 'Acelepryn', that has shown great results in managing both grub and surface feeding insect pests.

There is even more to EXPO than learning from all these good speakers. You will also learn from the very knowledgeable exhibitors during the trade show. There will be time to meet with them in the morning and again after lunch. And you won't

*Continued on page 2*

## PRESIDENT'S MESSAGE

# Change May Be Needed

By Dan Biddick



Over the holiday I was reading a guy named Covey. One of the things he suggested was to "keep the end in mind."

Lets see now ... what do I have left here ...

My final age will be 88 (Dad reached 88).

My current age 60 ...

I have 28 years, 10,220 days, 245,280 hours, 14,716,800 minutes left.

I will sleep one third of this time. So let's refigure this ...

19 years, 6,935 days, 166,440 hours, 9,986,400 minutes in waking time left.

Now let's figure this for you ...

Your final age \_\_\_\_\_

Your current age \_\_\_\_\_

Years left \_\_\_\_\_, Days left \_\_\_\_\_, Hours left \_\_\_\_\_, Minutes left \_\_\_\_\_

Love what you do, love those closest to you, forgive yourself and love who you are.

If you don't, figure it out and change. ■

### Start Planning For Success In 2012 - continued

want to miss Wisconsinizing the evening before EXPO. This social gathering of attendees and exhibitors will take place on Monday, January 23rd from 6:00 to 8:00pm at the Kalahari.

A special room rate of \$102 has been reserved if you call 877-253-5466 before December 24th and mention the Turfgrass block of rooms. The \$102 price may remain the same after December 24th, depending on availability. Maybe you'll want to bring the family and enjoy the Kalahari water park. Bring them along to Wisconsinizing.

The show is going to be a great way to start the New Year. The venue and great education will be just what you need to start planning for a successful 2012. ■

## WTA Winter Turfgrass and Greenscape EXPO

Mark your Calendars for a Great Educational Day

Kalahari Resort, Wisconsin Dells  
Tuesday, January 24, 2012

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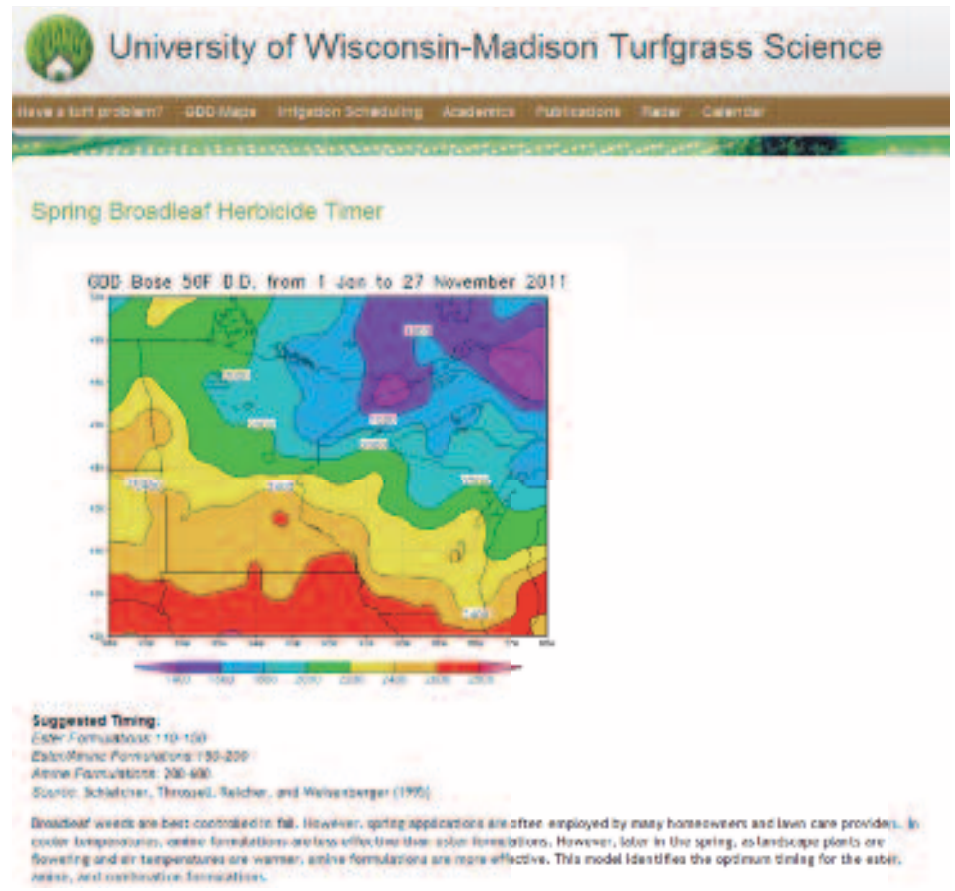
# Introducing the New UW-Madison Turf Website

By Dr. Doug Soldat, Department of Soil Science, University of Wisconsin-Madison

The University of Wisconsin-Madison has a new website for turfgrass science. Visit [www.turf.wisc.edu](http://www.turf.wisc.edu) to check it out. We hope you'll find it so useful that you'll make it your homepage and use it every day next season. Here's a look at what's new:

First, we've added many of the same growing degree day models used by the Michigan State GDD Tracker. The new website generates color-coded maps of growing degree days for Wisconsin and Minnesota so you can improve *Poa annua* seed head suppression and perfectly time your applications of herbicides and insecticides. We also added a spreadsheet that you can download to better manage your trinexapac-ethyl and paclobutrazol applications. An example of one of the growing degree day maps is shown below (Fig. 1). This model was developed a number of years ago based on research at Purdue University. The scientists found that ester formulations of herbicides are more effective early in the spring (GDD 110-150) while amine formulations are more effective later in the spring (GDD 200-600). The Spring Broadleaf Herbicide Timer will give you a map of the accumulated growing degree days and help you make the best decision regarding herbicide formulation based on the weather.

Next, we've added WIS-TURF (The Wisconsin Irrigation Scheduler for Turf). This scheduler was developed by scientists at UW-Madison for agricultural irrigation and I had the opportunity to modify and fine tune it specifically for turf. I'll be working on an instructional video which will



**Figure 1.** A screenshot of the Spring Broadleaf Herbicide Timer at [www.turf.wisc.edu](http://www.turf.wisc.edu). The website has five other similar growing degree day models that can help you maximize application efficiency.

describe how to use the new scheduler at your course, so keep an eye out for that in early spring. We have also added evapotranspiration maps to the website to help you keep track of ET on a daily basis (no weather station required!).

We also added the UW's Department of Atmospheric and Oceanic Science's NEXRAD Radar to the site. I've found this to be the fastest and most reliable of the online radar programs. There is also a calendar function so you can see what's going on in the world of turfgrass science and education.

In addition to the new features, we've maintained the collection of University of Wisconsin Research Reports (since 2003) and have a short description of the Turf and Ground Management program at UW-Madison.

Features still in the development phase include a fungicide selection tool and a collection of handy turf calculators (aerification, topdressing, fertilizer spreader calculators, etc.). We want this site to be as useful as possible to you so please share your comments and suggestions about the new site with me at [djsoldat@wisc.edu](mailto:djsoldat@wisc.edu).

# MEET THE UW-MADISON TURF PROGRAM GRADUATE STUDENT Bicarbonate and Beetles

By Glen Obear, Departments of Soil Science and Entomology, University of Wisconsin-Madison

My interest in turf management began as a summer job at Whistling Straits Golf Course in Haven, Wisconsin. During my second season on the maintenance crew, I was fortunate enough to be a part of the 2007 U.S. Senior Open. The event was a wonderful opportunity to meet other turfgrass students and professionals. It was one of the most memorable experiences of my life to be a part of the hundred-plus crew that worked to provide pristine playing conditions for the tournament. This great experience solidified my decision to study turf management and work towards becoming a golf course superintendent.

During the summer of 2008, I went to the Big Island of Hawaii, where I worked as an intern at Kukio Golf and Beach Club. Hawaii was entirely different from Wisconsin. I worked with Seashore Paspalum and effluent irrigation water, while making friends with a crew of native Hawaiians who spoke an English dialect called "Pidgin." However, I was amazed to see the similarities in golf maintenance practices and quality standards between Hawaii and Wisconsin. I was thrilled to see that golf can be a common link between two places that are so different.

Following my internship in Hawaii, I transferred from UW-Sheboygan to UW-Madison to begin studying turf management. During the summers of 2009 and 2010, I worked as an intern



with Aron Hogden at University Ridge Golf Course, where I gained valuable leadership skills and developed a strong interest in research. Aron always pushed me to try to explain why we were doing particular management practices, and instilled within me a sense of curiosity that I will have forever. After I completed my Bachelor's degree, I decided that graduate school was a perfect place for me to satisfy this curiosity.

In January of 2011, I began dual Master's degrees in Soil Science with Dr. Doug Soldat, and Entomology with Dr. Chris Williamson. In Soil Science, I am studying the effects of irrigation water quality on sand-based root zones with a project funded by the USGA. In this research, I am hoping to determine how

base cation percentage and carbonate precipitation affect hydraulic conductivity of sand-based root zones. I am also collecting full-profile samples from USGA putting greens throughout the U.S. with the help of the USGA agronomists. I will analyze these profiles for carbonate content, and hopefully provide a better understanding of the distribution of carbonate in putting greens across the U.S.

In Entomology, I am working to answer the question, "Why don't we find Japanese beetle grubs in golf course putting greens?" To explore this question, I am studying the effects of soil moisture and fungicide applications on female beetle oviposition preference and larval survival. In addition to laboratory studies, I am conducting a two-year field trial at the O.J. Noer Turfgrass Research Facility to try to determine why we rarely see Japanese beetle grubs in putting greens.

I am thrilled to have the opportunity to work on two projects in different disciplines - I get to learn twice as much, work with twice as many people, and have twice the amount of fun. I have been working on these projects for one year, and I am looking forward to reporting our findings when the experiments are completed. Please email me with questions or conversation anytime at [obear@wisc.edu](mailto:obear@wisc.edu). ■



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# Koch Wins One for Wisconsin

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



Paul Koch, PhD student in Dr. Jim Kerns lab at the University of Wisconsin-Madison, recently received an 'Industry Award' at the Turfgrass Science Division (C5) of the American Society of Agronomy Annual Meetings. The meetings were held in San Antonio, Texas from October 17-19, 2011. The award was presented to Paul based on his oral presentation titled 'Using ELISA to determine the effect of temperature on the degradation of the fungicides chlorothalonil and

iprodione on golf course turfgrass." The presentation summarized his research exploring the effects of temperature on fungicide degradation in turfgrass, showing that air temperature does have a significant effect on fungicide degradation and may partially explain disease breakthroughs during hot summer weather. On behalf of the Wisconsin turfgrass industry, we would like to congratulate Paul for earning this significant award. ■

## Beyond Disease Diagnosis

By Paul Koch, Turfgrass Diagnostic Lab, University of Wisconsin-Madison

When I started managing the Turfgrass Diagnostic Lab in the fall of 2005, many people still called the lab the Turfgrass Disease Diagnostic Lab (TDDL). When the lab was created by the Wisconsin Turfgrass Association and Dr. Doug Maxwell in the mid 90's that would have been a correct term, but much has changed in the past 15 years. Under Dr. Geunhwa Jung and Steve Abler, the lab dropped the 'disease' from the title and changed the name to the name you know and love today. The name wasn't changed to signify that diseases were no longer important to the lab, but rather to relate the broadened nature of the TDL's services.

The TDL does not only diagnose disease samples. While suspected disease infection continues to make up the majority of the samples submitted to the lab, especially those submitted from golf course superintendents, the lab takes in all turfgrass samples no matter what the suspected problem might be. Have a troublesome weed growing in your sod field, fairway, or client's lawn? We identify both grassy and broadleaf weeds. Have a suspected grub infestation? We identify troublesome insect pests as well. Have a suspected cultural problem, such as soil compaction, traffic, or pesticide damage? We will analyze the sample the best we can and work with the turf manager to find the most likely cause of the damage. Oftentimes discussing the situation with the turfgrass manager will lead to a breakthrough about what practice might be causing the observed symptoms.

In addition to all sorts of turfgrass diagnostics, the TDL also conducts one of the largest turfgrass fungicide testing programs in the entire country. Standard and experimental fungicides from companies both large and small are included in over 10 disease trials every year. Fungicide efficacy against summer diseases such as dollar spot, brown patch, and Pythium blight are tested as well as snow mold diseases such as gray and pink snow mold. Treatments in each trial can range from 8 treatments all the way up to 90 treatments. Companies that test may be looking for internal information on how an experimental product performs in the field, or they may be

looking to market a product's efficacy to you through inclusion of their product's results in our research reports. These research reports are an invaluable tool to turfgrass managers as they provide unbiased research results in Wisconsin, allowing Wisconsin turfgrass managers to see how they perform in a local climate. All of the research the TDL conducts is published on the Turfgrass Diagnostic Lab's Research webpage ([www.tdl.wisc.edu/research.php](http://www.tdl.wisc.edu/research.php)).

Recent years have provided significant regulatory changes with regard to some widely used turfgrass products, and the TDL has worked to keep turfgrass managers and even homeowners up to date. Through the TDL's website, the most recent developments in both the pentachloronitrobenzene (PCNB) stop-sale order ([www.tdl.wisc.edu/PCNB.php](http://www.tdl.wisc.edu/PCNB.php)) and the widespread evergreen damage due to Dupont's Imprelis herbicide ([www.tdl.wisc.edu/ImprelisInformation.php](http://www.tdl.wisc.edu/ImprelisInformation.php)) have been disseminated out to the turfgrass community. As future situations develop that are important to the turfgrass community in Wisconsin and the Midwest, the TDL will be keeping you abreast of the most recent developments in the 'News' box of the TDL's webpage.

Finally, the TDL also offers 'contract' services to paying members. Because the TDL receives no support from the state or University of Wisconsin, the contract members provide a level of critical support to keep the lab functioning year after year. In addition to supporting the lab, contract members get a complimentary full report with each sample submission (a \$50 value) and biweekly email updates throughout the growing season detailing what the TDL has been seeing and potential problems to look out for in the coming weeks. The email updates were initiated in 2008, and have become a popular fixture for TDL contract members. One area superintendent even remarked, "I would pay my contract for the email updates alone!" Contract memberships have fluctuated slightly in the past several years, but the level of support remains strong

*Continued on page 6*

despite the weak economy. I would like to offer my sincere thanks to the 2011 TDL contract members for their support of the TDL in a time of declining maintenance budgets. For more information on becoming a contract member with the Turfgrass Diagnostic Lab, please either contact me at 608-845-2535 or plkoch@wisc.edu or visit the Contract Membership page at the TDL website ([www.tdl.wisc.edu/contract](http://www.tdl.wisc.edu/contract)).

The TDL has grown well beyond just being a disease diagnostic lab, and in the coming years new avenues of growth and service to the industry will be explored and implemented. The TDL was designed as a service to the Wisconsin turfgrass industry, and the best interests of the state's turfgrass managers will always be at the forefront of the lab's duties. If you have any ideas on how the TDL can better serve you and your operation, please don't hesitate to contact the lab and offer up your ideas. ■

### Thank you to the 2011 TDL contract members!!!

Names in **bold** are \$1000 contract members

Abbey Springs CC

Blackhawk CC

Big Foot CC

Brown County GC

Eagle River GC

Fox Valley GC

Hayward Golf & Tennis

Koshkonong Mounds GC

Lake Geneva CC

Milwaukee Brewers

New Berlin Hills

**North Shore CC**

Olds Seed Solutions

Paul's Turf and Tree Nursery

Racine CC

Rhineland CC

Sentryworld GC

**Spring Valley Turf**

**Syngenta**

Tripoli CC

Two Oaks North GC

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Westmoor CC

Wistl Sod Farm

Agrium Advanced

Blue Mounds CC

**Blackwolf Run**

Bulls Eye CC

Eau Claire CC

Frontier FS Coop

**Horst Distributing**

La Crosse CC

Lurvey Farms

Milwaukee CC

New Richmond GC

North Shore GC

Oneida Golf & CC

**Pine Hills CC**

Reedsburg CC

Rolling Meadows GC

Silver Bay CC

Stano Landscaping

**The Bruce Company**

Tuckaway CC

University Ridge GC

Weed Man Lawn Care

Whispering Pines GC

Zimmerman Kettle Hills

Antigo Bass Lake

Bristlecone Pines GC

Blue Mounds Golf and CC

Chenequa CC

Edgewood GC

Green Bay Packers

House on the Rock Resort

Lake Arrowhead GC

Maple Bluff CC

Minocqua CC

North Hills CC

Oconomowoc CC

Oshkosh CC

Portage CC

**Reinders**

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South Hills CC

Summit Seed

The Legend at Bristlecone

Twin River Turf

Volkening Consulting

West Bend CC

**Whistling Straits GC**

# How to Distinguish a Disease from an Abiotic Stress

By Dr. Jim Kerns, Department of Plant Pathology, University of Wisconsin-Madison

Winter is here with spring just around the corner and so is turf management. With the stresses of turf management comes dead grass. It can be very difficult once turfgrass dies to determine the cause. Diseases are frequently blamed for wide spread damage to home-lawns, golf courses, and athletic fields, yet over 70% of samples that are submitted to the TDL are diagnosed as abiotic problems. The problem is many turf problems appear very similar from a distance (Figure 1). Furthermore, many turfgrass diseases appear similar from a distance (Figure 2).

What tools do you need to distinguish a disease from an abiotic stress? First of all, you need to know what a disease is. A disease is a change in structure and/or function of plant induced by the continuous irritation of a causal agent or pathogen that results in the production of symptoms. From my training, I do not agree with the phrase non-infectious disease. In other words, a disease has to be caused by an infectious agent such as a fungus, bacterium, nematode, or a virus. By subscribing to that school of thought, I think it is much easier to troubleshoot turfgrass problems.

Now that we have an understanding of a disease, we can talk about how diseases work. First and foremost when diseases progress, they start small and gradually increase in size and severity over time. Now some diseases like dollar spot may appear to develop overnight. Yet with very accurate scouting, you would notice very small lesions early in the morning. Second, diseases typically have a gradual transition between healthy and dead turf. So when there is a definite line of demarcation between healthy and dead turf, it is likely not a disease (Figure 3). Third, diseases do not appear in regular patterns. The classic example is to see declining turf in a straight line (Figure 4). Diseases do not occur in straight lines in normal turfgrass settings! Fourth in mixed turfgrass stands, diseases will only affect one species. Therefore if you have a sports field or home-lawn established with Kentucky bluegrass and you have some creeping bentgrass contamination and

*Continued on page 8*



**Figure 1.** Pictures of four distinct turf problems caused by four distinct problems. Note the similarity in symptoms and none of these are induced by a pathogen.



**Figure 2.** Three different diseases on tall fescue, can you tell the difference? The upper left corner is brown patch, the picture on the right is Pythium blight, and the picture on the lower left is gray leaf spot.

both species are dead, it's likely not a disease (Figure 5). Finally, turfgrass weeds are quite tolerant of turfgrass diseases. Thus, if an area of turf that is infested with crabgrass is dying (i.e. crabgrass and turf) then it is not a disease.

This may sound simple and it is! I think many turfgrass managers are so scared of diseases that they lose rationality when turf declines rapidly. Plus, turfgrass managers are under intense pressure to maintain high quality turf with minimal inputs. The latter is no easy task! However, to help diagnose problems the Turfgrass Diagnostic Laboratory (TDL) is an excellent resource. Moreover, the soil-testing lab at UW-Madison is another excellent resource. Yet if the budget does not allow for diagnostic services, there are some techniques you can do to diagnose turfgrass problems. When turf starts to decline, outline the area with paint. If the area gradually gets

*Continued on page 9*



**Figure 3.** Herbicide injury of a warm-season turf used for a home lawn. Note the distinct line between healthy and dead turf.

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bigger, then it may be a disease. If it does not get bigger, then you can eliminate a disease. Another trick is incubation. Fungi induce ninety-nine percent of turfgrass diseases; therefore you can incubate a declining area overnight in Tupperware containing a wet paper towel. If a prolific amount of mycelium (white, cottony material) pops out of the canopy or soil, then

you may have a disease. That being said, if you suspect a disease it is best to have an exact diagnosis before selecting a corrective action. Although I highly recommend using the TDL, I also advocate trying the methods above to see if you can distinguish between abiotic stress and turfgrass disease. Nothing ventured nothing gained! ■



Figure 4. Diseases do not occur in straight lines like the turf decline in this photo



Figure 5. This is a disease called southern blight on a golf course fairway in California. Note that the Kentucky bluegrass is diseased and the perennial ryegrass is healthy in the middle of the patch. If this were not a disease then, the perennial ryegrass would be dead too.

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# Almost Too Nice a Day for Golf

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

Dustin Riley and his crew went all out to host a most enjoyable WTA Golf Fundraiser this past October 3rd at Oconomowoc Golf Club. The weather couldn't have been more perfect with temps at 80°, no wind, and sunny skies. And the weather wasn't the only thing perfect about the day. Oconomowoc Golf Club was in perfect condition: fast greens, tight fairways, consistent traps, and everything else. Despite lots of rain in September, Dustin and his staff found time to ready the course to championship conditions for the WTA.

The Fundraiser was enjoyed by 95 golfers at this year's event. The other beneficiary of the day was the Wisconsin Turfgrass Research Sustainability Fund at the University of Wisconsin-Madison. Over the WTA Golf Fundraiser's long history, proceeds have gone directly to support turf research and more recently to fund the Wisconsin Distinguished Graduate Fellowships in Turfgrass Research. Beginning last year, proceeds have gone to the Turfgrass Research Sustainability Fund that was created to support ever more turfgrass research initiatives.

The golf fundraiser generated nearly \$7,500 this year thanks to the Oconomowoc GC members donating the use of their club for an unbelievably low fixed cost. The participants and golf hole sponsors likewise contributed to making the day a financial success. The generous golf hole sponsors are listed here:

Agrium Advanced Technologies  
Agrotain International  
Bayer  
DHD Turf & Tree Products  
Maple Bluff Country Club  
Midwest Turf Products  
National Golf Graphics  
North Shore Golf Club - Menasha  
North Shore Golf Club - Menasha - Grounds Crew  
Oneida Golf and Country Club  
Pendelton Turf Supply  
Premier Golf and Utility Vehicles  
Randy Witt  
Reinders  
SAS Management  
Sue Kershasky  
Syngenta  
TDL  
The Soldat Family

The day was not all about raising research money. It was full of fun events too. The event of the day was a four person best ball tournament. The 1st place team was not new to the winner's circle and this year carded an 8 under par 65 for the day. Congratulations go to team National Golf Graphics - Peter Meyer, Jim O'Toole, Dan Wubbels, and Bill Rabuck. Other golf event winners include:

Longest Drive in Fairway #3 - Dan Adams  
Closest to pin with tee shot #6 - Dr. Jim Kerns

Longest putt made #9 - Scott Gilbertson  
Closest to pin in 2 #10 - Peter Meyer  
Closest to pin with tee shot #12 - Joel Peterson  
Longest putt made #17 - Kevin Knudtson

There were other fun events both on and off the course. The most significant was a drawing for an Ipad II with Craig Filley from Nakoma Golf Club taking home the prize. Additionally there was a door prize giveaway where every participant took home something, many prizes being worth more than the registration fee. The door prize donors and gifts are listed here. I'm sorry if I've missed noting one of your donations.

Al Nees	Cooler full of refreshments, 2 bottles of wine, signed print
Bill Rogers	Foursome of golf with carts to Evergreen GC
Bob Lohmann	3 Golf Creations Jackets, 3 caps
Bruce Schweiger	Bike, 3 golf clubs, candy
Chad Grimm	Foursome of golf with carts to Blackhawk CC
Chuck Schwab	Buck Knife
Craig Filley	Wind shirt
Dan Barrett	foursome of golf with carts to Bergamont GC
Dan Quast	Golf bag
Drew Putzer	Foursome of golf with carts to Monroe CC
Ed Witkowski	3x 12pack of beer + \$50 gift card each
Evansville GC	Foursome of golf to Evansville GC
Gary Huenerburg	2 jackets, 2 brief cases, 2 shirts
Horst Distributing	2 shirts
Jeff Millies	Quart Jack Daniels
Joel Peterson	Foursome of golf with carts to New Berlin Hills CC
John Turner	2 Golf Shirts
Jon Hegge	Two Badger vs Purdue football tickets
Larry Lennert	2 Gander Mountain gift certificates
Matt Kregel	Foursome of golf with carts to the Club at Strawberry Creek
Mike Kactro	Twosome of golf to Washington County GC
Mike Lyons	Foursome of golf to Lawsonia GC
Milorganite	6 shirts and hats
Monroe Miller	Golf book
Nick Strain	2 Home Depot gift cards
Peter Meyer	Golf balls, towels, golf bag
Phil Spitz	2 wind shirts, long sleeve golf shirt
Randy Lusher	5 logo shirts
Rob Johnson	Blue ray player
Shawn Hilliard	2 shirts, 2 hats
Stoughton CC	Two foursomes of golf plus carts to Stoughton CC
Terry Kurth	8 hats
Wayne Horman	4 hats

The day could not have been so successful without everyone's help including all the participants, door prize donors, hole sponsors, volunteers, and especially the golf course staff and Oconomowoc Golf Club members. The WTA is so fortunate to having everyone pull together to make the day perfect. ■

Photos on page 11



Our host Dustin Riley poses with perennial WTA supporter John Turner



Team Blackhawk Jake Schneider, Chad Grimm, Omar Zaldivar, and Reid Maier can't wait to hit the links



Marc Storby, David Legg, and Alan Nees pose before getting back to work



Bob Nolan sends one down the fairway



Hired gun Rod Johnson joins team Reinders Scott Gilbertson, Steve Abler, and Dave Berg



The scenery throughout the golf course matched the beautiful weather



Steve and Tim Schmidt join event host Dustin Riley and WSTMA president Jeff Millies for some low scoring



Dan Feeney takes a big swing on this Soldat Family sponsored hole



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# CALENDAR OF EVENTS

Jan 4-6	Northern Green EXPO .....	Minneapolis, MN
Jan 10-14	STMA Conference and Exhibition .....	Long Beach, CA
Jan 16-18	School of Turfgrass Management .....	Theodore Wirth GC, Minneapolis, MN
Jan 25-27	School of Turfgrass Management .....	Midwest Golf House, Lemont, IL
Jan 18-20	Mid-Am Horticultural Trade Show .....	Chicago, IL
Jan 23	Pesticide Applicator Training (Turf & Landscape 3.0) .....	Wisconsin Dells, Kalahari Resort
<b>Jan 24</b>	<b>Wisconsin Turfgrass Association Winter EXPO .....</b>	<b>Wisconsin Dells, Kalahari Resort</b>
Jan 30-Feb 3	TPI Midwinter Conference .....	Scottsdale, AZ
Feb 8	NGLGCSA Educational Symposium .....	Wausau
Feb 15	WGCSA Assistant Superintendents Meeting .....	Whispering Springs GC, Fond du Lac
Feb 23	Pesticide Applicator Training (Turf & Landscape 3.0) .....	Waukesha: Carroll University
Feb 27-Mar 2	Golf Industry Show .....	Las Vegas, NV
Feb 29	Wisconsin Room at Golf Industry Show .....	Las Vegas, El Segundo Sol on the Strip
Mar 1-4	PLANET Green Industry Great Escape (Executive Forum) .....	Bahamas
Mar 7	Pesticide Applicator Training (Turf & Landscape 3.0) .....	Eau Claire, America's Best Value Inn
Mar 8	Pesticide Applicator Training (Turf & Landscape 3.0) .....	Green Bay, Clarion Hotel
Mar 12	WGCSA Spring Business/Education Meeting .....	Fond du Lac
Mar 22	Pesticide Applicator Training (Turf & Landscape 3.0) .....	Madison American Family, Center
Mar 29	Pesticide Applicator Training (Turf & Landscape 3.0) .....	Waukesha: Carroll University
Apr 2	Pesticide Applicator Training (Turf & Landscape 3.0) .....	Waukesha: Carroll University
April 23	WGCSA Monthly Meeting .....	Geneva National GC, Lake Geneva
May 14	WGCSA Monthly Meeting .....	Trappers Turn GC, Wisconsin Dells
May 30	WGCSA Monthly Meeting - Super/Pro .....	TBD
June 25	WGCSA Monthly Meeting, Tournament .....	Oshkosh CC, Oshkosh
<b>July 31</b>	<b>WTA Summer Field Day .....</b>	<b>Verona, O.J. Noer Facility</b>
Aug ?	WGCSA Monthly Meeting (possible with NGLGCSA) .....	TBD
Sept 17	Wee One Foundation Golf Fundraiser .....	Pine Hills CC, Sheboygan
<b>Oct ?</b>	<b>WTA Golf Fundraiser .....</b>	<b>TBD</b>
Oct 5,6	WGCSA Couples Weekend .....	Edgewood GC, Big Bend
Nov or Dec ?	Wisconsin Golf Turf Symposium .....	TBD

WTA Members — If you have an important date you'd like to share with other members, Call 608-845-6895 or email [tgschwab@wisc.edu](mailto:tgschwab@wisc.edu) to include it in the next calendar.

## Contact Telephone Numbers

GIS	Golf Industry Show .....	800-472-7878
Mid-Am	Mid-America Horticultural Trade Show .....	<a href="http://www.midam.org">www.midam.org</a>
NGLGCSA	Northern Great Lakes Golf Course Superintendents Assoc. ....	<a href="http://www.nglturf.org">www.nglturf.org</a>
Northern	Northern Green Expo .....	888-886-6652
PAT	Pesticide Applicator Training (Turf and landscape 3.0) .....	608-262-7588
PLANET	Professional Landcare Network .....	<a href="http://www.landcarenetwork.org">www.landcarenetwork.org</a>
School	School of Turfgrass Management .....	608-263-3631
STMA	Sports Turf Managers Association Conference .....	800-323-3875
Symposium	Wisconsin Golf Turf Symposium .....	800-287-9645
TPI	Turf Producers International .....	800-405-8873
Wee One	Wee One Foundation Golf Outing .....	630-457-7276
WGCSA	Wisconsin Golf Course Superintendents Association .....	920-643-4888
WGIF	Wisconsin Green Industry Federation Annual Convention .....	414-529-4705
WSTMA	Wisconsin Sports Turf Manager Association .....	608-845-6895
<b>WTA</b>	<b>Wisconsin Turfgrass Association .....</b>	<b>608-845-6536</b>