



# Home Grown

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



Dr. Paul Koch was recently selected to become the new assistant professor of Plant Pathology in Turfgrass Science at the UW-Madison in November, 2013. This is Dr. Koch's dream job, having been raised and scholastically trained in Wisconsin. Dr. Koch was raised in Grafton, Wisconsin, and attended the UW-Madison for his Bachelors, Masters, and Ph.D. He loves Badger sports and the Milwaukee Brewers, but more importantly is passionate about turfgrass management and the interactions with forces that damage healthy grass.

All this training in Wisconsin may lead you to believe that Dr. Koch is too locally focused. He has proven himself the exact opposite with his being sought after nationally and internationally for speaking engagements, research presentations, and in developing the UW-Madison Turf Diagnostic Lab (TDL) into a national resource for turf professionals.

The TDL has been a fixture at the UW-Madison for 15 years but only recently, under Dr. Koch's guidance, has the lab achieved a national focus. It has always been a great resource for diagnosing disease, weed, insect, and abiotic turf problems for Wisconsin turf professionals and homeowners. Now it gets turf samples from throughout the United States, from New Jersey to California and many states in between. The success of the lab has even led to email inquiries regarding turfgrass problems from as far away as Europe and southeast Asia.

Dr. Koch was a sought after speaker while attending school giving talks on varied subjects to many state turf associations and giving talks internationally as well. One of the first clear signs of his speaking prowess came during the 2011 Society of Agronomy Meetings in San Antonio, Texas, when he was beginning his Ph.D. He received the 'Industry Award' in the Turfgrass Science Division (C5) based on his oral presentation titled, "Using ELISA to determine the effects of temperature on the degradation of fungicides on golf course turfgrass."

Dr. Koch likewise showed his talents during the interview process for his new position. He interviewed over two days, giving his thoughts on how he will handle the combined Research, Extension and Teaching appointment. His vision was



outstanding for all three obligations and he presented them clearly and concisely with the confidence of a veteran turfgrass researcher and educator. Wisconsin will further be put on the map as a national turfgrass research powerhouse with Dr. Koch joining forces with Drs. Soldat and Williamson. You will be hearing a lot from this new professor considering his allegiance to the UW and his home state. Congratulations Dr. Koch! ■

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## PRESIDENT'S MESSAGE

# Orange Groves - Winter in June - Thanks Times 100 - Not So Subliminal Messages

By Paul Huggett



Welcome to winter and a break from the busy growing season! Things are slowing down, and there is finally time to relax and get to those winter projects, right? Every year the last temperate days of fall are such a rush. Everyone wants to beat the weather and get that one last project finished. Contractors seem to forget what winter means for sod production, as they call for another 3 semi loads of sod, not realizing the four day forecast calls for a 25 degree high. I am just as guilty of trying to cut that last frozen roll as the next person; it's a long wait until the next order in April. It sure would be nice, though, to have a little time at the end of the season to put our equipment away without having to clean it off outside in freezing temps. Some years our harvester looks like it came from a Florida orange grove the morning after overhead sprinkler frost protection - one giant orange icicle.

I have declared that on our farm, "All winter project must start in June." All my help typically leaves the end of November. It takes me a lot longer to get anything done during the snowy season. Priorities shift to family activities, meetings and satisfying the government with a form or two. Translation: winter projects will take me until July to get done. I know I could add more help during the winter months but I enjoy the shop projects and the fact that the project can sit in the shop without an emergency repair needing the shop space.

The end of October was a busy one for the WTA. We were fortunate to be involved in the UW-Madison's interview process for a new Turfgrass Plant Pathologist. Four candidates were interviewed, each one for two whole days. All of the candidates visited the OJ Noer Facility and enjoyed lunch there on their

second day. Chef Audra Anderson cooked up a great grill lunch sponsored by the Plant Pathology Department. Turfgrass Diagnostic Lab (TDL) manager Bruce Schweiger gave each candidate a tour of the facility, which manager Tom Schwab keeps in top shape. Industry representatives Scott Gilbertson, Aaron Goninen, Wayne Horman, Andy Kurth, Josh LePine, Monroe Miller, Jake Schneider and myself assisted with the interviews.

The good news about all these interviews is that the Department of Plant Pathology offered and **Dr. Paul Koch** accepted the position as UW's turf pathologist! Dr. Koch is a former TDL lab manager and is currently completing a post doctorate rust study with the Wisconsin Sod Producers. Dr. Koch has many talents and we look forward to working with him.

I was extremely impressed with the professionalism of all involved in the interview process and grateful for their input. Thank you! I was told several times by UW personnel that other industry groups who interact with UW-Madison could look to the WTA as an excellent example of how to communicate and work together. The WTA's presence at multiple levels within the UW-Madison College of Agricultural and Life Sciences (CALS) and their history of support to CALS does not go unnoticed. *(WTA dues are a great value, Note to self: pay WTA dues before the end of the year.)*

The WTA thanks CALS Dean Kate VandenBosch for her vision of supporting areas of strength at the UW-Madison such as the turf program. Thanks also to Birl Lowery in the Deans office. To Associate Dean of Extension John Shutsky we owe a debt of gratitude for his patience and support of our industry. We also thank Plant Pathology Department Chair Caitilyn Allen

*Continued on page 3*

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for leading the charge on the Turf Pathology position, and Horticulture Department Chair Irwin Goldman for his communication and support. Additional thanks go to Soils Department Chair Bill Bland, Entomology Department Chair David Hogg and turf entomologist Chris Williamson, as well as other UW members including Eileen Nelson, Doug Soldat, Damon Smith, Doug Rouse and

Lindsay Wells. The interview committee was chaired by Plant Pathology's Dr. Patti McManus. Patti we thank for her time, follow-through, and attention to details.

Initial letters of support for this position were written by: Michael Lee, Kohler Company; Chris Brindley, UW-Stevens Point; Jake Schneider, WGCSA; Mark Lurvey WSPA; Brian Swingle WGIF; Michael Boettcher, Milwaukee Brewers; and Terry Kurth, Weed Man. Thank you for kicking things off.

I think it's important to mention those involved at the risk of missing someone. If I did miss you please call me as I want to make sure everyone's contributions are recognized.

As members and future members of the WTA, the WTA board thanks you! Without you, the turfgrass research and education infrastructure provided

through the WTA would not be possible. We would not be able to make the Turfgrass Plant Pathology professor position happen. *(Note to self: Pay WTA dues and TDL contracts before the end of the year. Those people really support the turf industry)*

2013 is quickly coming to a close. I hope it was a good year for you and your equipment as it gets put away and winter projects begin. Looking forward to 2014, we hope to see you at the WTA Turfgrass Research Day Conference and Webinar. WTA's past successes are important footsteps to build on as the WTA board is planning for continued growth as we step into the future. Contact me if you have any questions or comments at [paul@paulsturfandtree.com](mailto:paul@paulsturfandtree.com) or 608-698-3640. ■

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# Life is Fragile

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

It was just 4 months ago that WTA past president Dan Barrett attended the annual Turfgrass Summer Field Day on July 30th. He enjoyed the event like he always has, talking to friends, and even posed with 5 other past or current WTA presidents. Life was about to take a terrible turn for the worse when he was diagnosed with an incurable and aggressive form of cancer that took his life on October 17th, 2013. Life is not fair when such an active, well respected, and friendly individual is taken at such a young age.

Dan was just 52. He spent a long career managing golf courses from his early years as a high school student working at Monroe Country Club. From there he went to the UW-Madison to receive a degree in Soil Science with a Turf and Grounds Management option. While at the UW, he worked at Nakoma Country Club and worked his way up to assistant superintendent. Then in 1988 he became the superintendent of Trout Lake Country Club in Arbor Vitae, Wisconsin, where he stayed until 2003. In 2003 he became the superintendent at The Legends of Bergamont Golf Course in Oregon, Wisconsin. He was their first superintendent, growing in that golf course and working there to the very end. His boss said that every aspect of the golf course has Dan's hand on it.

Dan achieved many high honors in his turf management career. He helped start the Northern Great Lakes Golf Course Superintendents Association where he worked his way to become president. He also served a long time on the Wisconsin Turfgrass Association and served as their president. Dan was a member of other national and local turf associations and they are all better off by his dedication.

Dan is survived by his dear wife Sherri who has a lifetime of great memories with Dan. One of those memories was riding in a golf cart with Dan during their post-wedding procession. She must have known then that she was marrying a golf course guy. Dan also enjoyed the outdoors, golf, his land in the Northwoods, and his many animal pets.

Dan will be missed by everyone that ever met him. He was a true friend and caring person. It is just so sad he had to go so young. ■



Dan presiding over the WTA Summer Field Day in 2001.



Dan and Sherri with Dr. Geunhwa Jung, and Bill Vogel and the 2000 WTA Golf Fundraiser.



Dan with 5 past and current WTA presidents at Summer Field Day 2013; Wayne Horman, Dan Biddick, Paul Huggett, Dan Barrett, Chris Wendorf, and Curt Larson.

# Activity at The Turfgrass Diagnostic Lab

By Bruce Schweiger, Turfgrass Diagnostic Lab Manager, University of Wisconsin-Madison

As I sit down to write this article on Friday November 29th, the Noer Facility is covered with an inch of snow. It would appear that the season of outdoor research is over. Wait; there is one trial yet to spray. And earlier this week I shoveled off two plots to allow the sun to melt the remaining snow away. The things I do for research! This coming week we will make our last application. Then we move to the Plant Pathology Department on campus to continue working on the huge rust project you heard about this past year. By the way, that rust project spans more than one year so you can plan to hear us asking for more samples in 2014. I want to thank those that sent in rust samples in 2013 and encourage the rest of you to add your samples to our database in 2014.

The overall number of samples processed at the lab was down from the last two years. That was very likely due to the more moderate summer weather we experienced. The table below shows how the samples varied over the past two years. As expected the wet spring kept the number of patch disease diagnosis very even with past years. With the more favorable growing conditions the number of abiotic and weed identifications were down 63 submissions. Weed identifications for homeowners were likely down due to the use of email and pictures, allowing us to help them with just a few emails or very short telephone conversations.

The use of technology brings me to how Dr. Koch and I will be using those tools to our advantage in 2014. In the spring of 2013 I made a comment during a presentation that I was going to begin using Twitter. It took me until early summer to get this project started. As I followed the myriad of tweets I began to get a feel for the kind of things people were posting. After a few discussions with turfgrass managers, I now have a better idea of what sort of tweets can be worthwhile from the Lab. We will have a larger Twitter presence in 2014 where we can keep you up to date on activities at O.J. Noer including research findings. As 2014 unfolds look for me on twitter, [#BRUCETDLbruce](#). Thank you to those that followed me and helped me learn the power of tweets.

Over the winter months I will be working with a few golf course superintendents to arrange access to their Toro Turf-guard system. I have started to locate cooperators on the south side of Chicago, along the state line, and in Milwaukee, Madison, Appleton, Stevens Point, and Green Bay. My project will be to use the information from the Turf-Guard to track soil temperatures as they begin to rise during the spring season. I will be reporting the findings bi-weekly on the [tdl.wisc.edu](http://tdl.wisc.edu) website. This will allow turfgrass managers to track soil temperatures to better time applications for crabgrass, take-all-patch (*Gaeumannomyces graminis* var. *avenae*), Necrotic Ring Spot (*Ophiosphaerella korrae*), and Summer patch (*Magnaporthe poae*). If you have the Turf-Guard system and would be willing to be one of our cooperators please get in touch with me.

The winter brings many other opportunities to further our turfgrass knowledge. First is the Turfgrass

Research Day Conference and Webinar being held on January 14th, 2014 at the Pyle Center in Madison, Wisconsin. Details and a registration form are included in the newsletter. I want to remind all of you that this seminar will be available as a live webinar for those that can't make the trip to Madison. This may allow some of your key employees to also join in on some of the education. Additionally there is the School of Turfgrass Management which will be held on January 21-23rd in Madison. This short course is co-taught with educators from the University of Minnesota. The registration form and additional details are also included in the newsletter.

I want to thank everyone for the support I received this past season, my first as the new Director of the Turfgrass Diagnostics Lab. I look forward to your continued support and suggestions for new projects and other ways to make the TDL an even better service to you! ■

## 2012/2013 TDL Diagnoses

<u>Diagnosis</u>	<u>Professional*</u>		<u>Homeowners*</u>	
	2013	2012	2013	2012
<b>Take-All Patch</b>	<b>11</b>	(10)	<b>0</b>	(0)
<b>Abiotic</b>	<b>28</b>	(53)	<b>8</b>	(21)
<b>Microdocium Patch</b>	<b>0</b>	(1)	<b>0</b>	(0)
<b>Leaf Spots</b>	<b>4</b>	(3)	<b>2</b>	(1)
<b>Insects</b>	<b>0</b>	(0)	<b>0</b>	(0)
<b>Anthracnose (Foliar and Basal Rot)</b>	<b>15</b>	(17)	<b>0</b>	(0)
<b>Fairy Rings</b>	<b>2</b>	(8)	<b>0</b>	(0)
<b>Necrotic Ring Spot</b>	<b>1</b>	(1)	<b>7</b>	(9)
<b>Summer Patch</b>	<b>11</b>	(15)	<b>9</b>	(16)
<b>Brown Patch</b>	<b>1</b>	(1)	<b>0</b>	(0)
<b>Brown Ring Patch</b>	<b>0</b>	(2)	<b>0</b>	(0)
<b>Etiolated Tiller Syndrome/Bacterial Wilt</b>	<b>0</b>	(1)	<b>0</b>	(0)
<b>Typhula Blight</b>	<b>1</b>	(1)	<b>1</b>	(1)
<b>Weed ID</b>	<b>0</b>	(4)	<b>4</b>	(20)
<b>Dollar Spot</b>	<b>2</b>	(2)	<b>0</b>	(0)
<b>Pythium foliar blight or root rot</b>	<b>7</b>	(7)	<b>0</b>	(0)
<b>Other</b>	<b>12</b>	(5)	<b>2</b>	(1)
<b>TOTAL</b>	<b>96</b>	(131)	<b>33</b>	(70)

# When It Comes To Snow Mold, Two Fungicides Are Better Than One. But Why?

By Dr. Paul Koch, Department of Plant Pathology, University of Wisconsin-Madison

It is widely accepted that to provide complete protection on golf course turfgrass, multiple active ingredients need to be applied in the fall prior to snow cover. This isn't just anecdotal evidence either, as past fungicide trials conducted by the University of Wisconsin-Madison have clearly demonstrated that multiple active ingredients applied simultaneously provide more effective snow mold control than either one alone ([www.tdl.wisc.edu/research.php](http://www.tdl.wisc.edu/research.php)). This makes intuitive sense, the more fungicides you apply the better the control you should have.

But why do multiple active ingredients provide better snow mold control? One line of thinking is that a mixture of different chemistries will be able to suppress a wider array of snow mold pathogens than just a single chemistry, hence providing better overall control. Another thought is that multiple active ingredients will provide a greater initial knockdown of snow mold fungal inoculum, which will in turn provide greater control all the way until snow melt in the spring. Still another theory is that multiple active ingredients will lead to reduced levels of fungicide degradation compared to either fungicide alone, allowing them to persist longer and provide more effective control.

The third theory, regarding altered persistence of chemical mixtures versus single active ingredients, is interesting. Research has shown that successive reapplications of certain fungicides, like iprodione, results in faster iprodione degradation in the soil because of the buildup of microbes that can use iprodione as energy (ie as food). Research has also shown, however, that reapplications of chlorothalonil have the opposite effect, where degradation of chlorothalonil in the soil is decreased following several reapplications because of the broadly inhibitory nature of chlorothalonil to all microbes that may potentially want to metabolize the chemical. Following this line of thinking, one might be able to suggest that inclusion of chlorothalonil in a snow mold tank-mixture with iprodione would increase the persistence of both fungicides due to decreased microbial activity and hence increase the level of snow mold control. Does it work? Well, let's take a look.

## The Study

As one aspect of a broader study looking at the impact of snow cover and other winter conditions on the persistence of snow mold fungicides, we investigated the impact of chlorothalonil and iprodione applied alone or as tank-mixtures on (1) gray snow mold (*Typhula incarnata*) control in the field; (2) pink snow mold (*Microdochium nivale*) control in the growth chamber; and (3) persistence on creeping bentgrass leaf blades throughout the winter months. The study was conducted at the OJ Noer Turfgrass Research and Education in Verona, Wisconsin during the winters of 2009/2010, 2010/2011, 2011/2012, and 2012/2013.

The results we found were interesting. The only winter with significant amounts of gray snow mold in the field was 2010/2011, and we observed a 40% increase in disease control with the tank-mixture compared to either fungicide applied alone following snow melt in the spring (Figure 1). In each of the 4



Figure 1. Gray snow mold (*Typhula incarnata*) on turfgrass treated with only chlorothalonil (left) versus turfgrass treated with a tank mixture of both chlorothalonil and iprodione (right) at the OJ Noer Turfgrass Research Facility in Verona, Wisconsin on March 24th, 2011.

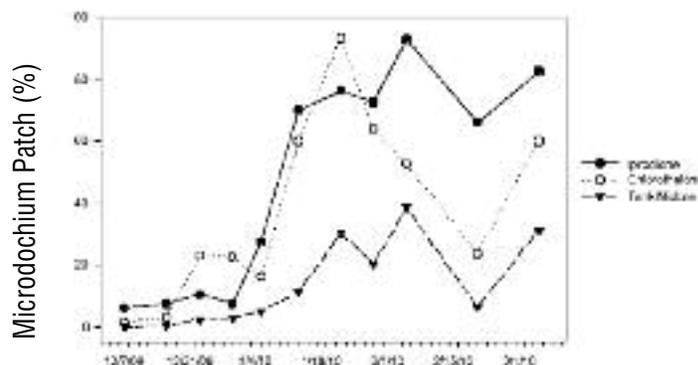


Figure 2. *Microdochium* patch (aka pink snow mold) on turfgrass treated with either iprodione, chlorothalonil, or a tank-mixture of both fungicides. Samples were treated at the OJ Noer Turfgrass Facility before being transferred to a growth chamber and inoculated with the *Microdochium* patch fungus.

winters analyzed, the tank mixture of both iprodione and chlorothalonil suppressed pink snow mold in the growth chamber for oftentimes several weeks longer than either fungicide alone. For example, in 2009/2010 pink snow mold began to develop on cores treated with only chlorothalonil or iprodione in early January, or approximately 30 days following the fungicide application. On cores treated with a tank-mixture of both fungicides, however, pink snow mold did not develop to a significant degree until February and even then not to the extent that was observed on cores treated with the single active ingredient (Figure 2).

Continued on page 7

**When It Comes To Snow Mold, Two Fungicides Are Better Than One.  
But Why? - continued**

These two observations very clearly support the claim that multiple active ingredients provide increased control of both gray snow mold and pink snow mold. However, when we investigated the persistence of both fungicides applied alone or as a tank-mixture we observed that the tank-mixture had no impact on the persistence of either fungicide compared to either fungicide applied alone (Figure 3, 4). Hence, with regards to iprodione and chlorothalonil at least, the increased level of snow mold control seen with tank-mixing these two fungicides does not seem to be due to reduced fungicide degradation.

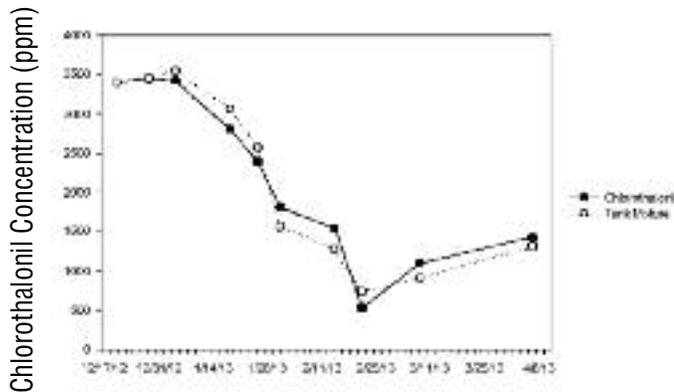


Figure 3. Chlorothalonil concentration throughout the winter of 2012/2013 from turfgrass treated with chlorothalonil alone or with a tank-mixture of chlorothalonil and iprodione.

**Conclusion**

It should be noted that these are just two active ingredients, and that investigating other fungicide combinations may yield different results. With that said, the results presented here both support the claim that multiple active ingredients increase snow mold suppression AND reject the claim that the increased suppression is due to increased fungicide persistence. What the actual reason for increased snow mold control with multiple active ingredients is remains unclear, and is an area that warrants further research.

If you have any questions, comments, or concerns about this research please don't hesitate to contact Paul Koch at 608-576-2673 or plkoch@wisc.edu. ■

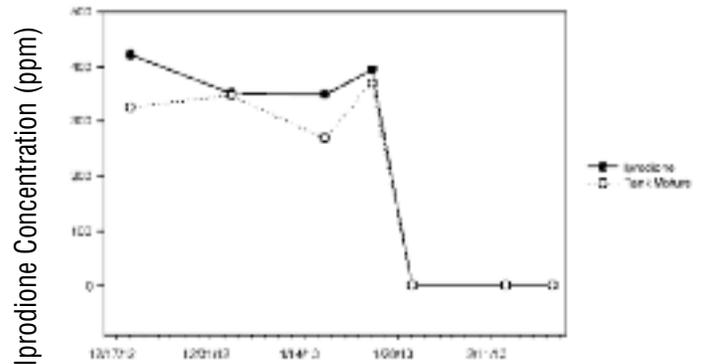


Figure 4. Iprodione concentration throughout the winter of 2012/2013 from turfgrass treated with iprodione alone or with a tank-mixture of chlorothalonil and iprodione.

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# Worth the Wait

## WTA GOLF FUNDRAISER AT MAPLE BLUFF COUNTRY CLUB

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

It's been 28 years since the WTA Golf Fundraiser last visited Maple Bluff Country Club. Superintendent Tom Harrison hosted the 4th ever WTA fundraiser there on September 30th, 1985. I still remember that fun golf event despite the cold weather and occasional snowflakes that fell. Superintendent Josh LePine made up for that weather this year when he hosted the 34th edition of the fundraiser with weather in the low 70s, slight wind, and clear blue skies.

Everything was first rate in addition to the weather. The course could not have been more enjoyable or in more fabulous shape. The greens were lightning fast, the fairways thick and tight, bunkers consistent, and everything else proved a perfect example of great course management. Josh, his crew, and everyone at Maple Bluff went all out to make our experience the very best.

There were 134 participants this year. Ten more and the course would have been maxed out. That along with more Hole Sponsors than ever before helped push the fundraising to a record of over \$13,000. The ultimate beneficiary of those funds is the turf industry. All the funds raised support 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 three years ago, proceeds have gone to the Turfgrass Research Sustainability Fund that was created to support ever more turfgrass research initiatives.

It should be mentioned that a big contributing factor to the record fundraising was Maple Bluff Country Club giving up their course for a very low fixed cost. We thank the membership for being so kind and hospitable.



Team Bremmer, Goninen, Grimm, Strain readying for battle

The list of generous Hole Sponsors should also be thanked. Here is the list of those generous sponsors:

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The day was not all about raising research money. It was full of fun events too. The main event of the day was a four person best ball golf tournament. The event winners were:

1st Place: Joel Peterson, Chad Kirchen, Tony Herrera, Brandon Correll  
Middle Place: Bob Lohmann, Todd Quinton, Matt Lohmann, Grant Rundblade  
Hardest Working Place: Tim Rebholz, Dave VonBehren, Matt Berger

Other golf winners in the Skills Events:

Closest to Hole #6	Tony Hudzinski
Closest to tree #7	Brandon Burns
Longest Drive #9	Grant Rundblade
Closest to Pin #11	Patrick Reuterman
Closest to the pin in two #16	Mike Lyons
Longest Putt #18	John Bailey

**Worth the Wait**  
**WTA GOLF FUNDRAISER AT MAPLE BLUFF COUNTRY CLUB - continued**

There were other fun events both on and off the course. The most significant was a drawing for an Apple iPad tablet with Wayne Horman 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 missed noting any donations.

- AAT.....Windshirt, case of RoundUp QuickPro
- ASGCA .....Book
- Blackwolf Run .....6 Shirts, 2 sweatshirts, hats, flags, 2 jackets
- Brown County GC .....Foursome of golf with carts
- Bruce Schweiger .....Bike
- Bruce Worzella.....Golf shirt
- Burris .....3 Windshirts
- Dan Quast .....Golf Bag
- Dow .....Pen, jacket, outside thermometer, toddy cloths
- Evergreen Golf Course .....Foursome of golf with carts
- Fox Valley GC .....Foursome of golf with carts
- Horseshoe Bay GC .....Foursome of golf with carts
- Jerry and Sue Kershasky .....Badger tickets
- John Deere Landscapes .....Snow shovel, Carhartt sweatshirt
- John Turner.....Windshirt
- Jon Hegge ....Badger tickets with parking pass - Penn State game
- Kerry Anderson .....Hat, Shirt
- Kevin Knudtson.....Geneva National pullover and golf shirt
- Koch Agronomic Svcs .....Dozen Titleist balls
- Laser Link Golf .....Yardage gun
- Lawsonia .....Foursome with carts
- Lohmann Companies .....6 shirts and 10 hats
- Marc Davison .....2 golf shirts
- Mark Kienert.....Hats, towels and dozen golf balls
- Mike Werth .....\$25 Cabellas gift card and 12 pack Spotted Cow
- Monroe Country Club .....Foursome of golf with carts
- Monroe Miller .....Toy Mower
- New Berlin Hills.....Foursome of golf
- Oconomowoc CC .....Golf towel, hat, dozen Srixon balls
- Olson Toon Landscaping ....Autographed (Al Toon) football helmet
- Pendelton Turf .....\$100 gift card to Gander Mountain, case of Spotted Cow
- Peter Meyer .....2 bottles of wine
- Phil Spitz .....Shirt and windshirt
- Randy Lusher .....2 golf shirts, and a windshirt
- Reinders.....Windshirt and shirt
- Scott White .....2 Shirts
- South Hill CC .....Foursome of golf with carts
- Stoughton CC .....Foursome of golf with carts
- Strawberry Creek .....4 shirts and 6 hats
- The Bridges .....Dozen Titleist limited edition balls
- Tod Blankenship .....2 x Foursomes of golf with carts
- UMAXX .....Golf balls and shirt
- Watertronics .....\$100 Visa gift card
- Waupaca Sand .....Blue Ray DVD
- Wayne Horman .....Hats
- WTA .....300 beers, 150 waters

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 Maple Bluff Country Club members and staff. The WTA was very fortunate to have everyone pull together to make this event a resounding success. It truly was worth the wait. ■



Team Burris being carried by the purple man.



Brother Chuck attempting to keep his ball dry.



Mike Moschkau spending a day at the beach.

*More photos on page 10*



**Danny Quast**  
**920-210-8616**

**Matt Kinnard**  
**920-210-9059**

**Mike Kozlowski**  
**920-296-7914**

**"Committed to your success!"**



Mark Livingston tries to get er back in play.



Beth Duschack putting on a clinic for her foursome



All smiles from team Riley, VanH, Bartosh, and Brandenburg.



Representing Lawn Care, team Kurth can play some mean golf.



Thanks for the wonderful golf course conditions team Maple Bluff.



Marathon man Jake discusses business with WTA president Paul Huggett.



Our host Josh LePine, in red, chatting with another WTA Golf Fundraiser host Chad Grimm.

# WTA Turfgrass Research Day Conference and Webinar

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

Last year the UW Turf Team and the WTA held the first annual Turfgrass Research Day Conference and Webinar on the UW-Madison Campus. The event shined a light on the tremendous amount of turfgrass work that is conducted at UW-Madison (thanks in no small part to the support of the WTA), and introduced you to many of our graduate students who too often work in the shadows of their advisors. The focus of this annual event is to provide relevant and cutting edge information to help you do your job better. Improvements in technology allow us to provide this content online via webinar, so if you can't make it to Madison on January 14th, you can log in to your computer and watch from the comfort of your office.

This year, we have put together a particularly strong educational program for you. We are elated to announce that Dr. Geunwha Jung from the University of Massachusetts will be paying a return-visit and giving an update on his excellent work on fungicide resistance. I'm sure it will be a special moment for Dr. Jung to

watch his former student Dr. Paul Koch make his first presentation as an Assistant Professor at the UW-Madison. Dr. Koch was recently offered the position vacated by Dr. Jim Kerns, and we couldn't be happier about it. Dr. Koch will be discussing rust control and management, a disease that has been increasing in severity around Wisconsin and the Midwest in the last few years.

Other guest speakers include Dr. Jim Brosnan from the University of Tennessee and Dr. Ed Nangle from the Chicago District Golf Association. Dr. Brosnan is an up and coming weed scientist who will have something for everyone (golf, sportsturf, lawncare, sod production) in his presentation about new herbicides for weed control in cool-season turf. Dr. Ed Nangle was recently hired by the Chicago District Golf Association to replace Dr. Derek Settle, who's been a regular at the WTA Summer Field Day the past several years. Dr. Nangle earned a Ph.D. from The Ohio State University, and will be discussing the negative impacts of growing grass in

the shade and its associated management strategies.

In addition to the distinguished lineup of guest speakers, you'll also hear the latest and greatest from the UW-Madison Turf Team. This includes an Emerald Ash Borer control update from Dr. Chris Williamson based on a long-term study he just concluded. Additionally, new Turfgrass Diagnostic Lab manager Bruce Schweiger will provide a look at the years behind and ahead, and two outstanding grad students, Renee Rioux and Mark Garrison, will provide summaries of their respective work on dollar spot and the carbon footprint of turf maintenance.

It's hard to predict what Mother Nature has in store for us on January 14th, but you can bet that the WTA Turfgrass Research Day Conference and Webinar will be well worth the price of admission. The registration form is included with this article. Contact Audra at 608-845-6536 or [ajander2@wisc.edu](mailto:ajander2@wisc.edu) if you have any questions. We hope to see you there! ■



# CALENDAR OF EVENTS

Jan 8-10	Northern Green Expo .....	Minneapolis, MN
<b>Jan 14</b>	<b>WTA Turfgrass Research Day .....</b>	<b>Pyle Center, Madison / and Webinar</b>
Jan 21-23	School of Turfgrass Management.....	UW-Madison
Jan 21-24	STMA Annual Conference and Exhibition .....	San Antonio, TX
Jan 27	Pesticide Applicator Training (Turf and Landscape 3.0) .....	American Family Center, Madison
Feb 2-7	GCSAA Educational Conference and Golf Industry Show .....	Orlando, FL
Feb 5	GIS WI Hospitality Room .....	Brickhouse Tap, Orlando, FL
Feb 5-7	iLandscape Show .....	Schaumburg, IL
Feb 5	WGCSA Hospitality Room at GIS .....	Orlando, FL
Feb 17	WGCSA Assistants Seminar .....	Whispering Springs, Fond du Lac
Feb 18	Pesticide Applicator Training (Turf and Landscape 3.0).....	Carroll University, Waukesha
Feb 24-28	TPI Midwinter Conference .....	Orlando, FL
Feb 27	Pesticide Applicator Training (Turf and Landscape 3.0) .....	Clarion Hotel, Green Bay
Mar 3	WGCSA Spring Business Meeting .....	Ramada, Fond du Lac
Mar 4	NGLGCSA Educational Conference .....	Wausau
Mar 10	Pesticide Applicator Training (Turf and Landscape 3.0) .....	American Family Center, Madison
Mar 13	Pesticide Applicator Training (Turf and Landscape 3.0) .....	Ramada, Eau Claire
Mar 25	Pesticide Applicator Training (Turf and Landscape 3.0).....	Carroll University, Waukesha
Apr 3	Pesticide Applicator Training (Turf and Landscape 3.0).....	Carroll University, Waukesha
Apr 22	WGCSA Monthly Meeting .....	Strawberry Creek, Kenosha
May 12	WGCSA Monthly Meeting .....	West Bend CC, West Bend
May 28	WGCSA Monthly Meeting, Super/Pro.....	Fox Valley GC, Kaukauna
June 23	WGCSA Monthly Meeting, Tournament .....	Brown Deer GC, Milwaukee
<b>Jul 29</b>	<b>WTA Summer Field Day .....</b>	<b>O.J. Noer Facility, Verona</b>
Aug 11	WGCSA/NGLGCSA Joint Meeting .....	Brown County GC, Green Bay
Sept 15	Wee One Fundraiser .....	Pine Hills CC, Sheboygan
<b>TBD</b>	<b>WTA Golf Fundraiser .....</b>	<b>TBD</b>
Oct 4	WGCSA Couples Outing/Party .....	Wild Rock GC, WI Dells
Dec 9,10	Wisconsin golf Turf Symposium .....	American Club, Kohler

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 to include it in the next calendar.

## Contact Telephone Numbers

GCSAA/GIS	Golf Industry Show .....	800-472-7878
Landscape	Landscape Show.....	ilandscapeshow.com
NGLGCSA	Northern Great Lakes Golf Course Superintendents Assoc. ....	www.nglturf.org
Northern	Northern Green Expo.....	888-886-6652
PAT	Pesticide Applicator Training (Turf and Landscape 3.0) .....	608-262-7588
PLANET	Professional Landcare Network Green Industry Conference .....	www.landcarenetwork.org
School	School of Turfgrass Management.....	608-263-3631
STMA	Sports Turf Managers association Conference .....	800-323-3875
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.....	414-529-4705
WSPA	Wisconsin Sod Producers Association .....	262-895-6820
<b>WTA</b>	<b>Wisconsin Turfgrass Association .....</b>	<b>608-845-6536</b>

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or visit us at:

[wisconsinturfgrassassociation.org](http://wisconsinturfgrassassociation.org)

# School of Turfgrass Management

January 21<sup>st</sup> - January 23<sup>rd</sup>, 2014 (8am - 6pm)  
Madison, WI—Dane County Extension Office  
5201 Fen Oak Dr, Ste 138, Madison WI 53718-8827

Providing Knowledge & Technical Expertise in the Art & Science of Turfgrass Management

## About the School

The School of Turfgrass Management provides three days of intensive, in-depth training in the biology, ecology, and cultural management of turfgrass. Technical information will be presented in lecture settings on the basic applications of turfgrass management applicable to golf course management, lawn care, athletic field management, and sod production. The knowledge will be integrated into hands-on case studies where attendees will work together to solve problems related to the lecture material.

## The Goal

This School is designed to provide a basic foundation of turfgrass training for individuals with no formal education in turfgrass management or for those who desire a refresher.

## Who Should Attend

Turfgrass managers and horticulturalists of all skill levels will benefit from the information presented in this school.

## Registration

For complete registration information, please visit:

[www.turf.wisc.edu](http://www.turf.wisc.edu)



[www.turf.umn.edu](http://www.turf.umn.edu)



## Instructors

Without question, the strength of the School of Turfgrass Management lies within the depth and experience of the turfgrass faculty. This program allows for extensive interaction with researchers and educators having national and international recognition.

**Doug Soldat, Ph.D.**  
Department of Soil Science  
University of Wisconsin-Madison

**Brian Horgan, Ph.D.**  
Department of Horticultural Science  
University of Minnesota—Twin Cities

**Chris Williamson, Ph.D.**  
Department of Entomology  
University of Wisconsin-Madison

**Paul Koch, Ph.D.**  
Department of Plant Pathology  
University of Wisconsin-Madison

**Bruce Schweiger**  
Department of Plant Pathology  
University of Wisconsin-Madison

**Sam Bauer**  
Extension  
University of Minnesota—Twin Cities

## Deadline is January 3<sup>rd</sup>, 2014

Registration is limited, so we encourage you to register early. Persons who register after the school is filled will be placed on a mailing list for the next session offered.

## For questions about the school, please contact:

Doug Soldat, 608-263-3631, [djsoldat@wisc.edu](mailto:djsoldat@wisc.edu)  
Sam Bauer, 763-767-3837, [sjbauer@umn.edu](mailto:sjbauer@umn.edu)



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# School of Turfgrass Management

January 21<sup>st</sup> - January 23<sup>rd</sup>, 2014  
Madison, WI  
Dane County Extension Office



## Registration

School of Turfgrass Management (\$775.00 per person)	Price
<input type="checkbox"/> _____ Attendee #1 (Name & Email Address)	\$775.00
<input type="checkbox"/> _____ Attendee #2 (Name & Email Address)	\$
<input type="checkbox"/> _____ Attendee #3 (Name & Email Address)	\$
<input type="checkbox"/> _____ Attendee #4 (Name & Email Address)	\$
<input type="checkbox"/> _____ Attendee #5 (Name & Email Address)	\$

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_  
Email \_\_\_\_\_

Method of Payment: Total: \$  
 Check (enclosed)  
 Credit Card

Credit Card # \_\_\_\_\_ Exp. date \_\_\_\_\_  
Signature \_\_\_\_\_

Upon receipt of your registration you will receive confirmation with additional information on area hotels and maps to the Dane County Extension Office. Your fee includes:

- Certificate of completion
- Comprehensive reference materials
- Field pest and turf identification guides and diagnostic tools
- Continuing education credits (GCSAA and state, if applicable)
- Refreshments and snacks

*\*Lunches and lodging not included\**

Enclose a fee of \$775.00 per person payable to **Wisconsin Turfgrass Association** and mail to:

Wisconsin Turfgrass Association  
Attn: Audra Anderson  
2502 County Hwy M  
Verona, WI 53593

Questions? Contact Doug at 608-263-3631 or [disoldat@wisc.edu](mailto:disoldat@wisc.edu)  
or Sam at 763-767-3518 or [sjbauer@umn.edu](mailto:sjbauer@umn.edu)



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[www.wisconsinturfgrassassociation.org](http://www.wisconsinturfgrassassociation.org)