



WISCONSIN turfgrass news

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SUMMER 2015

SOMETHING FOR EVERYONE AT SUMMER FIELD DAY 2015 GREAT YEAR TO BRING YOUR STAFF



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

The UW turf professors, research staff, and WTA are excited to bring you a very informative Field Day this summer. The date is Tuesday July 28th, and the location is the O.J. Noer Turf Research Facility in Verona. The day will be divided into two educational sessions with the morning being focused more towards lawncare, landscape, sod, and sportsfield, while the afternoon is focused towards golf. Both sessions have information that may be useful even if it's not your specific profession. So come for the whole day, or if your time is limited, you have the option to pick the session that meets your needs.

Both basic and cutting-edge subjects will be presented for morning and afternoon. It will be a great year to also bring staff to brush up on the basics or to learn about new techniques. Staff members get a discount of \$10 off when registering with their supervisor.

The presentations include:

- Turfgrass Species Identification
- Methods of Treating Trees for Insects
- Improving Lawns with Compost Applications
- Backpack Sprayer Calibration
- Pollinators and Insecticides
- Weed Control in Unmowed Rough Areas
- Control of Ants for Putting Greens
- Insect Questions and Answers
- Compost Tea on Putting Greens
- Dollar Spot Prediction Model
- Reduced Risk Disease Control
- Soil Potassium Requirements
- Fine Fescue Fairway Mixes

There will be other presentations in addition to those listed above. Also, many research projects will have signs and other information displayed so that you can stop by on your own schedule as a self-guided tour.

In addition to the research and education there is a world class trade show where you can visit with experts to learn about every product, tool, or service to help you on your jobs. Other perks for attending include coffee and donuts in the morning, a great Wisconsin style lunch at noon, and time to share ideas with others from your profession throughout the day. You can also talk to the presenters over lunch or between talks if you need more in-depth discussion.

Summer Field Day is a great way to learn about the latest turf 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 new WTA website, www.wisconsin-turfgrass-association.org. You may also register and pay online from the new website. Field Day 2015 is going to be the best ever, and we hope to see you there on July 28th. ■



PRESIDENT'S MESSAGE

Great American Parks

By Paul Huggett



Spring is always a blur. I often find myself not looking at the wall calendar from March to mid-June. I generally notice I only flip the calendar page when I need a date for a government form. While flipping the page I often take a few seconds to look at the photos I missed. The calendars we hand out to customers include photos of great American parks. As we approach mid-summer and fall I hope you are able to find time to enjoy a vacation, maybe to one of those American parks.

Summer is a busy time but your WTA staff and board have been busy preparing for Summer Field Day which is set for July 28th at the OJ Noer Turfgrass Research Facility in Verona. They have also been busy creating a new WTA website, which will make registering for Field Day a snap.

The Wisconsin Sod Producers are also having a Summer Field Day that you are invited to. It will be held at DeBucks sod farm in Delavan Wisconsin on July 16th. For those of you who like big equipment there will be two different self-stacking sod harvesters that you can look over. They are loaded with incredible technology in response to grower's needs that live up to the saying "Necessity is the mother of invention."

As mentioned, the new WTA website is up and running. Please take time to check it out at www.wisconsinurfgrassassociation.org. Thanks go to Tom Schwab, Audra Anderson, and Neil Radatz for developing the new website. We hope you find it informational and useful.

Enjoy your summer and remember to stay alert and share a smile. ■

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Year behind board member name, is the expiration of their current term. January is the month the term is up.

Does the One-Third Rule Really Work?

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

One of the most basic rules of mowing turf is called the one-third (1/3) rule. This rule states that one should not remove more than one-third of the leaf tissue at any single mowing. For example, if you mow your lawn at 2 inches, you should mow it before it reaches 3 inches. If you mow at 2.5 inches, then you should mow before it reaches 3.75 inches. According to Dr. A.J. Turgeon in his Turfgrass Management textbook, if more than 1/3 of the tissue is removed, the resulting imbalance between roots and shoots results in turf growth retardation. This sounds reasonable, and as many a practitioner will tell you, following the 1/3 rule works.

However, it's always fun to test those age old notions from time to time and that's exactly what former Badger, Dr. Bill Kreuser, and his two graduate students (including Glen Obear) did last summer at the University of Nebraska. They grew tall fescue and mowed it at either 2 or 3 inches. Then they imposed mowing frequency treatments on each height. The tall fescue was mowed either following the 1/3 rule, the 1/4 rule (mowed more frequently than the 1/3 rule), the 1/2 rule (less frequent than the 1/3 rule, or weekly (regardless of growth).

The first thing they noticed was that taller grass grows slower. The 2 inch tall fescue needed to be mowed 14 times to follow the 1/3 rule all year, while the 3 inch tall fescue required only 11 mowings when following the 1/3 rule. This is something we have also observed over the years at the O.J. Noer Facility and is counter intuitive for many homeowners. The lower you mow, the faster the grass grows to replace the missing

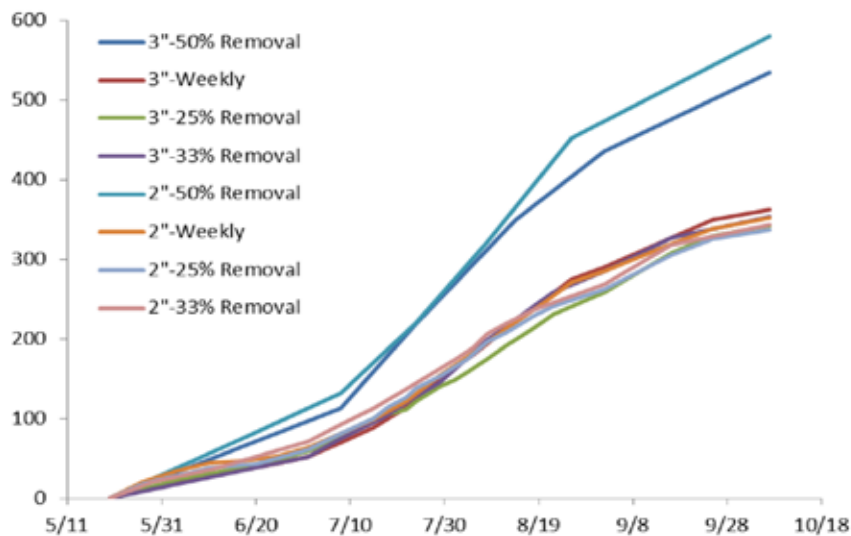


Figure 2. Mean cumulative clipping yield of the eight different mowing treatments over the course of 2014. A steeper curve indicates enhanced growth rate which occurred in late July 2014.

photosynthetic tissue – the effect is known as compensatory growth in the scientific community. So think twice about shaving your lawn down low before heading out for vacation!

But the mowing frequency had an even bigger impact. The figure below shows the amount of grass clippings collected for each of the treatments. The graph shows six lines grouped fairly closely together and two lines way above the rest. When the 1/3 rule was exceeded (mowing to remove half of the tissue) the grass grew almost twice as much as when the 1/3 rule was followed. This effect also follows under the compensatory growth effect. Removing large amounts (>1/3) of tissue at one time increases the

plants growth rate. This will have the effect of depleting carbohydrate supplies leading to shallower roots and eventually a thinner, weedier stand of turf.

So it appears the 1/3 rule is strongly rooted in reality. However, the explanation in the textbook is backwards. The resulting imbalance between roots and shoots does not retard growth – but rather accelerated it which will eventually lead to a suite of negative impacts. The best thing you can do for a lawn is to mow high (3 inches or higher) and follow that 1/3 rule like it's the law! You can read the full research report here:

<http://turf.unl.edu/research/2014research/OptimalMowingHeightFrequency.pdf>



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MEET THE UW-MADISON TURF PROGRAM GRADUATE STUDENT Brutus Buckeye Meets Bucky Badger

By Ron Townsend, Department of Plant Pathology, University of Wisconsin-Madison & Chicago District Golf Association

My first job in turfgrass was working as a research assistant at The Ohio State University in the Department of Plant Pathology. It was here that I became a turf nerd. I loved every minute evaluating different fungicides and identifying turfgrass pathogens. I began school shortly after working for the turfgrass pathology team, majoring in turfgrass science and minoring in plant pathology. My goal was to become a golf course superintendent and I prepared myself by working and interning on different golf courses in Central Ohio. Upon graduation I accepted a position as a second assistant superintendent at a country club on the north shore of Chicago. Being outside and working at a beautiful golf course during the summer was amazing, yet I felt that something was missing. I still had a focus on learning and felt that my hunger for scientific development was not being fulfilled. I realized that I missed the research aspect of turf, and when I was offered an opportunity to work with the Chicago District Golf Association (CDGA) specializing in research, I took it.



plant pathology. Taking this into consideration, Dr. Nangle suggested that I make contact with Dr. Koch. I met Dr. Koch at the conference in Long Beach and we began discussing the possibility of a master's project. After meeting with Dr. Koch we agreed on a project and we have been working diligently on the details in preparation for this season.

My M.S. research is focusing on *Sclerotinia homoeocarpa* which causes dollar spot on turf. The objective of the research is to determine the effect nitrogen applications have on dollar spot severity and production of oxalic acid by *S. homoeocarpa* by looking at both the rate and nitrogen source. Using the spoon-feeding technique that many golf

course superintendents use when managing putting greens, we are interested in finding a rate in which dollar spot severity is suppressed. Another part of my research is looking at different nitrogen sources and the effect they have on the production of oxalic acid by the pathogen. Further research will include examining foliar pH and whether we can dictate foliar pH to reduce dollar spot severity. I'm excited to start my education with Dr. Koch and couldn't be more excited to be at the University of Wisconsin-Madison. ■

I began working for the association in March of 2014 coordinating trials across Chicagoland. Dr. Ed Nangle and I make up part of the turfgrass team where we provide a range of services to golf course superintendents in the association. Dr. Nangle does most of the diagnostic work while I focus on maintaining and putting out research trials. This past year we conducted over twenty research trials focusing on fungicides, herbicides, fertilizers, and bio-stimulants. Since I started working for the association I had the opportunity to attend the American Society of Agronomy conference in Long Beach California this past November. This is where I was formally introduced to Dr. Paul Koch.

Dr. Nangle began discussing the opportunity for me to further my education by pursuing a master's degree. This was something that I was interested in, but I wasn't sure where I wanted to go or what I wanted to focus on. Since I had a background in plant pathology this made the most sense for me to focus on a master's degree in

PROFESSIONS

Follow Your Passions, Not Your Peers

By Dustin Bernau, Jasperson Sod Inc.

Editors Note:

'Professions' is a new column for the WTA Newsletter featuring UW-Madison turf graduates about the path they have chosen for their careers. In the early years of the turf program, the majority of students got their degree and then went out to decide what golf course they would work on. Golf is still a great and rewarding profession, but many graduates are tending to test the waters in other turf professions. Some are buying golf courses, owning lawn care franchises, managing sod farms, running sports complexes, and going into academia or consulting. We will hear about their stories here.

Early Years

In high school, I thought hard about what I wanted to do for a living. I remember my family telling me "follow your passions and do something you love." During the last semester of high school, I narrowed my career ideas down to two very specific occupations --- Something in the field of Wildlife Conservation/DNR, or something with turfgrass. I knew I loved all things outdoors, especially hunting and fishing, but I also knew I loved home lawn and landscape work. That was about the extent of it though.

College

After being accepted to UW-Madison, I started looking at all my options and I was leaning toward majoring in a program that would help me get in with the DNR. I was encouraged to enroll in a Freshman Interest Group, in which the first semester's classes were chosen for me ahead of time. When I found myself taking classes, like one in particular in which the whole class consisted of learning all about monkeys, I knew something wasn't right.

I then looked further into a turfgrass related major. I immediately got plugged into the Badger Turf and Grounds Club and fell in love with the idea of working on a golf course. I became a Soil Science major that next semester and started working weekends on the grounds crew at University Ridge Golf Course. Throughout my four years as a student at UW-Madison, I worked in the lab helping two grad students on their projects, and interned at University Ridge



and Erin Hills Golf Courses.

Most of my colleagues had the same goal as me, to become a golf course superintendent. We believed it was the best industry/career to get into. It also just made sense to me; I loved my internships, I was doing what I loved, I was utilizing my skills, and I was being challenged and always learning.

The Real World

After graduating, I took an assistant superintendent position at a 27-hole golf course in New Jersey. Not two months after I started working there, I got a call from Dr. Doug Soldat telling me about an opportunity to work on a sod farm near my home town. At that point, I was beyond appreciative to get that call, but honestly was torn about leaving golf.

This is where I get real with you. Sometimes we are given opportunities that come at the most surprising and often the most confusing times in our lives. Sometimes these opportunities seem not to make sense... Well, for me this was one of those opportunities. I felt that it was bad timing and decided not to interview for that reason. I remember telling Dr. Soldat, "Thanks, but I love my job here and don't see

myself leaving." I also knew nothing about operations on a sod farm and my peers had painted a bad image of working on one.

In the following month, my view on the opportunity changed. I asked God to provide guidance. I started praying about it and I earnestly sought wisdom from past employers, my parents, my brothers, colleagues and professors. After a week or so of thinking more about it, I decided to interview. I flew home in September that year, interviewed, had peace about the taking the job and the rest is history.

On the Farm

I have worked for Jasperson Sod Farm, Inc. for a little over two years now and it has proven to be a great fit for me. I am naturally a country boy and working on the farm has truly become a dream come true. I'm following my passion and I love what I do.

Responsibilities/Requirements

My title is Farm Manager and what I do is help manage 1300 acres of sod and row crops. Most of my work involves maintaining the turfgrass on the farm but I do have some involvement with the

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PROFESSIONS - Follow Your Passions, Not Your Peers - continued

cash crops, which I also thoroughly enjoy! Short job description includes:

- Responsible for setting the mowing schedules and organizing the mowing crew on a daily basis
- Make all chemical applications on the sod fields and some applications on cash crops
- Help with fertilizer plans and applications
- Make a chemical budget and facilitate the chemical directives
- Help with irrigation and all other day-to-day operations
- Facilitate soils sampling
- Attend meetings and industry shows
- Help maintain healthy employee relations
- Help track sales and be eager and willing to learn all aspects of the business

Equipment

Spraying is done with a 105 hp New Holland tractor (with cab) using a Hardi pull behind sprayer. The sprayer has 3 booms for a total spray width of 60 feet. The sprayer has a chemical induction

unit which is attached to the side of the sprayer. This unit acts as a large measuring cup (up to 5 gallons) and then sucks any chemical into the main tank. This fortunately allows for minimal chemical exposure.

Tractors used for chemical and fertilizer applications are set up to run off of GPS. We use Ag Leader products which give us the freedom to monitor our spray and fertilizer application patterns on a computer screen which is mounted inside of the cab. In addition, the sprayer booms are set up with Auto-Swath which is a mechanism that automatically shuts off nozzles to eliminate chemical overlap or spraying outside the boundaries of our fields.

Experiments

I am fortunate to assist a few of my college professors from Madison on several of their sod and environmental investigations. We have experimented with new grasses, analyzing their growth patterns and unique characteristics, along with other studies.

In conclusion, I want to stress the importance of stopping to assess your strengths and passions. When you identify them, run with them full-heartedly! No matter what you do, be willing to try something new. You never know until you try. ■

CHECK US OUT THE ALL NEW WTA WEBSITE www.wisconsinturfgrassassociation.org

By Audra Anderson, WTA Administrative Assistant

Do you know what year the WTA was created? Do you know who was on the first board of directors? Do you know how many Graduate Fellowships or other accomplishments that the WTA has funded? Do you know when and where the 2015 WTA Golf Outing will be hosted? These are just a few of the things you can learn on the new WTA website.

Last month the website went live with a completely new format. The original version had become outdated and lacked some of the features that people have come to expect on websites. While it was useful, we decided it needed a facelift. When you take a look at the website, please let us know your thoughts on the content and usefulness of this improved version.

The new version allows you to register both you and your staff for WTA events in one transaction. It emails a verification letting you know when and how many people you registered. There are links to websites that you use on a regular basis. It is also mobile friendly so you can

view the complete website on your phone or other mobile device.

By early fall, there will be a member-only section for current WTA members. We wanted to release the first version of the website, with no member's-only section, so you can start using the website as soon as possible. There are more logistics concerns with a member's-only section, thus we wanted to get it right before it's released this fall. The member's-only area will have the membership directory and directory editing capability. You will also have access to an archive of 25 years of newsletters. It's fun to take a step back in time to see how Wisconsin turfgrass research has evolved. The instructions to get onto Noernet will also be in the member's section.

The best reason to check out the new website is to register for the WTA Summer Field Day which will be held on July 28th. You can read about Field Day in the newsletter. It is going to be a great event this year and you won't want to miss it. We hope you enjoy the website and find it very user friendly and informative. ■



Conference Lives Up To Expectations

2015 WTA TURFGRASS RESEARCH DAY / CONFERENCE AND WEBINAR

By Tom Schwab, OJ Noer Turfgrass Research and Education Facility, University of Wisconsin-Madison

The annual WTA Winter Conference offered great turf education to start out the New Year. The conference was held on the UW-Madison campus on January 6th to an appreciative crowd of onsite attendees and webinar participants. There were 52 registrants and 18 students/staff/researchers that ventured to the UW-Madison campus to attend the live conference. An online webinar was added as an option two years ago for those who preferred to listen in from the comfort of their work computers. The webinar added another 33 participants. Participation would have been even better if the weather didn't throw another curve at us in the form of two inches of fresh snow and sub-zero temperatures that forced several attendees to stay home. Those attendees will be able to view the presentations at a later date via the archived conference tapes. For information on how to access the archive, contact Audra Anderson at ajander2@wisc.edu or 608-845-6536.

Dr. Doug Soldat started the conference with a moment of silence for the late Dr. James R. Love who passed away on February 25, 2014. Dr. Love started the UW-Madison turf program in 1961 and meant so much to many of us. Next came the presentation of student scholarships. Dr. Love would have been proud of the following recipients that represent the future of the turf industry. Tyler Gerrits was the recipient of the first scholarship, which was named after Dr. Love. Kristin Witkowski was the recipient of the next, which was named in honor of another turf legend and former president of the WTA, James Huggett. Two other WTA scholarships went to Sabrina Ruis and Lisa Reedich. Lastly the Charles O. Newlin scholarship went to Luke McGhee.

The first speaker of the conference was Dr. Cale Bigelow from Purdue University. He talked about management programs to suppress annual bluegrass in existing bentgrass turf. He stated there are some very nice annual bluegrass turfs on golf courses, but most always creeping bentgrass provides a more reliable,

persistent, seasonally consistent, and lower expense turf to manage. His suggestions for trying to increase the percentage of bentgrass on a playing surface includes changing cultural practices and environments, like watering and fertilizing somewhat less, decreasing compaction, and increasing sunlight by decreasing shade. He also prefers slowly rather than rapidly lowering annual bluegrass percentages, which can be accomplished through proper use of plant growth regulators. When starting a reduction program, you must decide what percentage of annual bluegrass you can live with and commit to a dedicated several year plan.

The newly hired UW-Madison Insect Diagnostic Lab manager, P.J. Liesch, was next to present. He talked about the insect trends that occurred in 2014 and what to expect for 2015. 2014 really witnessed no major insect outbreaks with its cold winter, cool wet spring, and moderate summer temperature. P.J. talked about the origins and potential damage that many insect pests can cause to our landscapes. Those pests include chinch bugs, sod webworms, cutworms, emerald ash borer, gypsy moth, tent caterpillar, fall webworm, and gypsy moth, which may be the worst for Wisconsin's landscapes because it does damage both as larvae and adult. You may contact P.J. for any questions by email at pliesch@wisc.edu, Twitter @WiBugGuy, or through the diagnostic lab website at www.labs.russell.wisc.edu/insectlab/.

Dr. Paul Koch was next to present. His topic was, "Reduced Risk Disease Control: How To Do It and Why It's Important". Dr. Koch first described that pesticide risk includes two parameters: how toxic a compound is, and how much are you exposed to the compound. He evaluated four different fungicide programs to see if reduced risk plans work at curing disease and are cost effective. Reduced risk products are determined by an EPA environmental impact quotient. That quotient rates products according to human health

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Attendees at the Pyle Center, UW-Madison Campus

Conference Lives Up To Expectations - continued

concerns, non-target organism's impact, potential for groundwater contamination, rates of product needed, and compatibility with integrated pest management practices. Dr. Koch's conclusion was that those concerns are all important for both us and the future of the industry.

The rest of the morning session included three other presentations. Dr. Bigelow presented on "What's New in Bentgrass Cultivars", Superintendent of Des Moines Golf & Country Club, Rick Tegtmeier, presented on Using Technology in Maintenance Operations, and Bruce Schweiger presented a 2014 review of the UW-Madison Turfgrass Diagnostic Lab.

Next came a wonderful lunch and time to catch up with fellow participants. Starting right after lunch, Dr. Chris Williamson presented a very current topic of "The Association of Insecticides to Bee Decline". More specifically, he talked about a relatively newer class of insecticide, neonicotinoids (neonics), and how they affect pollinator insects. There is no question that they can be lethal to pollinators when applied improperly. The label states to not apply to plants when they are in bloom and attracting pollinators. He stated the three ways to use neonics so they don't effect pollinators are to read and follow label instructions, mow weed blooms before applying the insecticide, and to consider granular formulations. He stated that at this time the USDA's position is that neonics are NOT considered to be a primary cause of colony collapse disorder, although neonics may suppress bees' immune systems which could make them more susceptible to some bee diseases. The bottom line to Dr. Williamson's talk was that the role of neonics in causing bee decline is being intensely debated and researched without a clear answer at this point.

Next came a presentation by Dr. Doug Soldat, who gave results

from several of his 2013 and 2014 research projects at O.J. Noer. He discussed the testing of Aneu, a new plant growth regulator from NuFarm, on bentgrass putting greens and testing of a new herbicide called Defender from Dow. Other projects he talked about were testing of different polymer coated ureas as compared to more frequent application of non-coated urea, testing of other nitrogen additives as a group, and lastly how to use soil tests for potassium in developing stronger turf.

The last talk of the day was from Jerry Kershasky, former superintendent of both University Ridge Golf Course and Westmoor Country Club and current sales representative for Reinders. Jerry talked about 'Do's and Don'ts of A SHORT TURN-AROUND Putting Green Restoration'. He added SHORT TURN-AROUND to his title because the amount of time that most superintendents are given to renovate old greens is short. It's typically from late August to the following June before the greens have to be ready for golfers again. Identifying the reasons for the old greens failure is paramount to ever starting a greens renovation program. At University Ridge, Jerry found shade and air movement issues, internal and surface drainage issues, rootzone material and layering issues, golf course politics and financial issues, and more. Jerry credits the dedicated staff at University Ridge with the successful renovation of all the putting greens. They did as much as they could given the time period, course politics, and original design of the course.

WTA Turfgrass Research Day met all expectations despite the weather. The planning committee of Drs. Soldat and Koch, Aaron Goninen, Audra Anderson, and Bruce Schweiger should be commended. The generous sponsors that helped bring you Turfgrass Research Day 2015 should also be thanked. Please show these sponsors, listed here, your gratitude for supporting quality education. And thank you speakers, both near and far, for all your efforts. ■



Bruce Schweiger, UW-Madison Turfgrass Diagnostic Lab



Dr. Cale Bigelow, Purdue University



Dr. Chris Williamson, UW-Madison Department of Entomology



Dr. Doug Soldat, UW-Madison Department of Soil Science



Jerry Kershasky, Reinders



Retiring WTA Ambassador Monroe Miller is thanked for his years of service by WTA Research Day coordinator Aaron Goninen

THANK YOU to our 2015 Turfgrass Research Day Sponsors

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Wisconsin Turfgrass Summer Field Day

Tuesday, July 28th 2015



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 28th to learn all the latest turf management innovations coming out of the UW Madison. **Morning talks will focus on lawn care, sports, & general landscape issues. Afternoon talks will focus on golf turf solutions.**



What you will learn: Turfgrass species identification, methods for treating trees for insects, improving lawns with compost, backpack sprayer calibration, pollinators and insecticides, weed control in unmowed rough areas, control of ants on putting greens and insect Q&A, dollar spot prediction model, reduced risk disease control, and 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 & get free admission to Field Day. Contact Audra for details ajander2@wisc.edu or 608-845-6536

Lawn Care / General Turf 9:30 – 11:00

- Turfgrass Species Identification
- Methods for Treating Trees for Insects
- Improving Lawns with Compost
- Backpack Sprayer Calibration
- Pollinators and Insecticides

Afternoon Golf Turf 1:30 – 3:00

- Weed Control in Unmowed Rough Areas
- Control of Ants on Putting Greens
- Insect Q&A
- Compost Tea for Putting Greens
- Dollar Spot Prediction Model
- Reduced Risk Disease Control
- Soil Potassium Requirements
- Fine Fescue Fairway Mixes



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 0.7 mile to Pleasant View Road roundabout
- Exit roundabout going South on Pleasant View Rd
- Continue 2.5 miles to O.J. Noer Facility

Check out the New WTA Website
wisconsinturfgrassassociation.org
 Easy to Register

cut here and return with payment

Registration

Mail registration form and check payable to **WTA** by July 21st 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 21st. Add \$5 after July 21st 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) - - - - -	\$150	=	
GRAND TOTAL			=

CALENDAR OF EVENTS

June 22	WGCSA Tournament Meeting	Autumn Ridge GC, Valders
July 9-11	TPI Live Show and Tell	Portland, Oregon
July 22	WGCSA 9-Hole Golf / Footgolf, and Couples Picnic	Rolling Meadows, Fond du Lac
Jul 28	WTA Summer Field Day	O.J. Noer Facility, Verona
Aug 18	WGCSA/NGLGCSA Combined Meeting	SentryWorld GC, Stevens Point
Sept 21	Wee One Fundraiser	Pine Hills CC, Sheboygan
Oct 5	WTA Golf Fundraiser	Blue Mound Golf and Country Club
Oct 6	NGLGCSA Crew Outing	Greenwood Hills CC, Wausau
Nov TBD	WGCSA Couples Dinner	Lombardi's Steakhouse, Appleton
Dec 2,3	WGCSA 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	GCSAA Educational Conference and Golf Industry Show.....	800-472-7878
Green	Green Industry and Equipment EXPO	www.landcarenetwork.org
NGLGCSA	Northern Great Lakes Golf Course Superintendents Assoc.	www.nglturf.org
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
WSTMA	Wisconsin Sports Turf Managers Association	920-643-4494
WTA	Wisconsin Turfgrass Association	608-845-6536

