



WISCONSIN TURFGRASS NEWS

VOL. XVIII, NO. 3

WINTER 2000

Turfgrass and Greenscape EXPO

January 9 and 10, 2001

By Dr. Dianne C Bowcock, Scientist, L.E.A.D. Center
University of Wisconsin-Madison

This year's Wisconsin Turfgrass and Greenscape EXPO is just a couple weeks away, and it will be extraordinary. Registration materials have recently been mailed and are also inserted with this newsletter. The dates are January 9th and 10th. The site will again be the easy-to-find Madison Marriott West, just south of Middleton on highway 12/18. Attendees consistently remark positively that the Marriott provides first-rate accommodations.

This comprehensive turfgrass educational conference has information for anyone that works with golf turf, athletic fields, sod production, landscaping, grounds maintenance, and lawn care. There are specific talks for your particular turf interest and others that are more general in scope. The presentations are divided between three categories - Golf, Lawn and Landscape, and Grounds and Sports Turf. You may attend any of the talks that are of interest to you whether they are in your profession or not.

Dr. Paul Rieke will keynote during the January 9th luncheon. Dr. Rieke is professor emeritus from the Soil Science Department of Michigan State University and will be one of the many highlights of the show when he presents on "Maintaining Healthy Soil." He has presented many times in Wisconsin to much acclaim, and will give talks at EXPO in addition to the keynote address. There will be numerous other presenters from around the United States in addition to many local experts. Please see the enclosed registration materials.



Bob Avenius from Truegreen Chemlawn had good information for the Lawn & Landscape crowd.

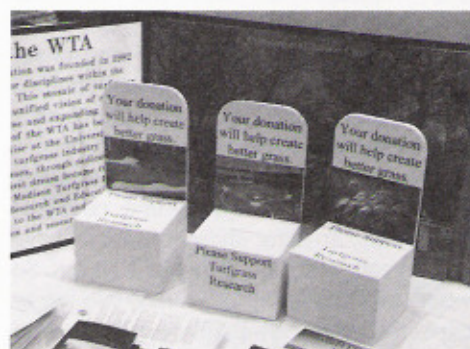


The trade show has something for everyone.

Please also note the extended trade show hours. The equipment and products trade show annually features over sixty exhibits to address turf manager's needs. Any equipment, product, service, supply or advice that you would ever need for your business is on display at this massive show. The exhibitors have a vast array of knowledge to help you do your jobs better and more efficiently.

EXPO is valuable whether you come for the presentations, trade show, or both. Meeting with friends, both old and new, is another enjoyable part of EXPO. Everyone is more relaxed at this time of year, and sharing of ideas between friends and making new friends always occurs. This is especially done during lunch breaks and during Wisconsinizing. Wisconsinizing is socializing over hors d'oeuvres and drinks with friends. It occurs in the trade show area from 4:00 to 6:00 on the first day of the show.

I hope you can join your peers and start the New Year out right by attending EXPO



The turfgrass research donation box program was introduced at EXPO 2000.

2001 on January 9th and 10th. Contact Audra Anderson, WTA administrative secretary, by phone 608-845-6536, fax 608-845-8162, or email ajander2@facstaff.wisc.edu if you have any questions about the enclosed registration form and schedule. There will be new and valuable information for you to explore whether this is your first Wisconsin Turfgrass and Greenscape EXPO or you've attended all seventeen.

The School of Turfgrass Management Gets You Up to Speed

*By Dr. John Stier, Department of Horticulture
University of Wisconsin-Madison*

The annual School of Turfgrass Management will be held from February 26th to March 2nd, 2001 at the West Madison Agriculture Research Station. That station is located two miles North of the OJ Noer Turf Research facility on the west side of Madison. This weeklong course provides practical training for all persons, men and women, associated with the turf industry. Persons new to the turf industry and those who want a refresher or additional training in turf will benefit from the class. Typical attendees' hold positions at golf courses, lawn care firms, parks, athletic fields, schools, fertilizer/chemical/seed distributors, with an occasional golf course owner or other field (e.g., environmental consul-

tants or landscape architects). The attendees' academic backgrounds range from high school diplomas to the occasional M.S. degree. Topics include turf establishment, laboratories for grass, weed, insect and disease identification, fertilizers and soils, irrigation, pesticide application and calibration training, law and regulations, and responding to environmental/pesticide concerns. A range of instructors, each specializing in a different topic, keeps the class interesting and informative. Class begins at 8:00 am on Monday and continues into the early evenings through Wednesday. Class continues on Thursday but a banquet and "graduation" ceremony is held on Thursday evening rather than a lab. The class wraps up Friday

at noon. Each registrant receives a turfgrass management manual designed for future reference for all things turf. Still at \$500, the course remains a value for those who want or need a crash-course in turf management or simply want to refresh themselves. Concerned you've been out of school a long time? Don't be: the first speaker is from the School of Education and prepares you for the weeklong learning process.

Enrollment is limited to the first 30 persons. For more information please contact Steve Pearson, 608-845-8873 (email: shpearso@students.wisc.edu). Enrollment deadline is Feb. 12, 2001.

Impact of Industry Mergers

*By Dr. R. Chris Williamson, Department of Entomology
University of Wisconsin-Madison*

As many of you are likely aware, over the past few years numerous agricultural chemical companies have been purchased, sold, terminated, or they have merged with one another. As consumers of their products: What does this mean for you? How will this impact you? These are extremely difficult questions to answer! For now we are amidst a small amount of uncertainty. However, as time passes, we will be better able to assess the impact of such events.

Nearly 20 years ago there were as many as 20 to 25 major agricultural chemical companies. To date these numbers have dramatically decreased to eight to ten. So what does this mean for you? As you might expect, there are both pro's and con's of fewer agricultural chemical companies. Several specific questions come to mind: 1) Will product selection be reduced?; 2) Will product cost increase?; and 3) Will there be limited or reduced technical support?

Question #1: Will product selection be reduced?

As fewer companies continue to exist, will the research, development, and marketing of new or novel products decline? It is extremely unlikely that companies will limit or reduce product development and marketing. New chemistry development is a "life-line" for survival to agricultural chemi-

cal companies, especially as "older" chemistries are eliminated as a result of the FQPA (Food Quality Protection Act of 1996). Furthermore, because of the relatively limited financial resources and fierce competition, companies must bring their "best" or most likely to succeed product forward to ensure eminence. The average cost for development of a compound, from the discovery stage until it is commercially available, is approximately 80 million dollars (not including manufacturing and marketing). Thus, companies must plan carefully and effectively.

Question #2: Will product cost increase as a result of fewer companies?

This is a tougher question to answer. If one considers the principal theory of economics 101 (i.e., supply and demand), it is presumed that fewer agricultural chemical companies would result in greater demand for a respective product(s). However, the basis for determining the cost of a particular product is not so simple or trivial. There are numerous factors that affect the cost of a product. There are factors such as supply chain variables, active and inert ingredient availability, shipping variables, as well as more stringent regulations (i.e., scrutinization) of inert ingredients (i.e., carriers, surfactants, etc.) being adopted and imple-

mented by regulatory agencies. As for the direct effect of fewer companies on the cost of products, it is probable that companies will continue to keep their pricing competitive.

Question #3: Will there be limited or reduced technical support as a result of fewer companies?

At first, one may conclude that fewer agricultural chemical companies will lead to the decline of technical support. However, exactly the opposite will most likely result. Because of intense competition, companies are placing their emphasis on "getting closer to the customer." Consequently, an increase in technical support is continuing to occur. As a result, intimate relationships are being developed and nurtured between companies and customers, thus benefiting both the consumer and the supplier.

As a whole, it is most likely that the result of fewer agricultural chemical companies will be beneficial. As a consumer, it is your responsibility to direct or place demands, expectations, and needs on the agricultural chemical companies that remain in order to ultimately benefit your profession or livelihood. Ultimately, the FQPA has and will continue to impact the availability and cost of products.

Fertilizer Requirements for Lawncare Firms

By Michael Koran, Fertilizer/Pesticide Specialist
Wisconsin Department of Agriculture,
Trade and Consumer Protection

Anyone who manufactures and distributes fertilizer in the State of Wisconsin, including commercial for-hire landscape and lawncare firms, must have a fertilizer license. This does not include homeowners and golf course superintendents that apply fertilizers on their own properties. Many firms mix and blend their unique liquid formulas specially designed for spring, summer and fall. Both mixing fertilizer ingredients together, as well as mixing fertilizers with water or other materials, is considered manufacturing, and requires a fertilizer license. Some businesses that have their own line of dry granular fertilizers must also have a fertilizer license.

Certain information must be supplied with any fertilizer sold or distributed in Wisconsin. Lawncare firms must also comply with labeling requirements when servicing homeowners. In most cases, a written invoice or statement with the following information can be provided at the time of application:

1. Lawncare firm's name and address
2. Customer's name and address
3. Date of sale (application date)
4. Fertilizer brand name or product name
5. Fertilizer grade
6. Guaranteed analysis
7. Net weight (or total gallons and weight per gallon)

Following is an example of acceptable labeling for a lawncare firm that applies dry granular products.

Mike's Lawn Care Service 2101 Industrial Park Drive Fitchburg, WI 53713 Phone: 608/555-1212		Brand Name & Grade: Shurfine Lawn Food 25-3-3 Manufactured by: XYZ Coop, Madison, WI	
		Guaranteed Analysis	
		Total Nitrogen (N)	25%
		20% Urea Nitrogen	
		5% Water Insoluble Nitrogen	
		Available Phosphorus (P ₂ O ₅)	3%
		Soluble Potash (K ₂ O)	3%
		Total Amount Applied: 25 Lbs. at 0.5 lbs. N/1,000 sq. ft.	
Customer Name:	John Smith	Service Amt.	\$45.00
Customer Address:	123 Birch St., Madison, WI 53705	Tax	\$2.48
Date of Service:	December 19, 2000	Total	\$47.48
<i>Thank you for letting us service your lawn. Copy of Fertilizer Labels Available Upon Request.</i>			

Following is an example of acceptable labeling for a lawncare firm that applies liquid bulk formulations.

Mike's Lawn Care Service 2101 Industrial Park Drive Fitchburg, WI 53713 Phone: 608/555-1212		Brand Name & Grade: Spring Treatment 0.6-0-0.2	
		Guaranteed Analysis	
		Total Nitrogen (N)	0.6%
		0.6% Urea Nitrogen	
		Available Phosphorus (P ₂ O ₅)	0%
		Soluble Potash (K ₂ O)	0.2%
		Net Weight: 120 gals (8.5lbs/gal) at 0.5 lbs. N/1,000 sq. ft.	
Customer Name:	John Smith	Service Amt.	\$45.00
Customer Address:	123 Birch St., Madison, WI 53705	Tax	\$2.48
Date of Service:	December 19, 2000	Total	\$47.48
<i>Thank you for letting us service your lawn. Copy of Fertilizer Labels Available Upon Request.</i>			

The guaranteed analysis must include the percentage of ammoniacal, nitrate, water insoluble and other forms of nitrogen which makeup the total nitrogen guarantee.

In addition to a license, low analysis fertilizers must have an individual fertil-

izer permit. By law, any fertilizer with N, P and K totals of *less than* 24 total units must have a permit.

Contact Mike Koran from the WDATCP at (608) 224-4541 for further information regarding fertilizer regulations for lawncare firms.

Wisconsin To Be Represented At STMA Conference

By Dr. John Stier, Department of Horticulture
University of Wisconsin-Madison

Andrew Hollman, an undergraduate student at the University of Wisconsin-Madison, has won a scholarship from the national Sports Turf Managers Association. Andy will receive the award at the STMA national conference in Tampa, Florida. A senior in college, Andy is double-majoring in Horticulture and Molecular Genetics. He has worked as a student research assistant in the turf pro-

gram at UW-Madison for the past two years. Andy is the second UW-Madison student to win this award in the past three years. The first recipient was Raechal Sager, now head groundskeeper for the West Michigan Whitecaps. Andrew will start graduate school at UW-Madison in fall 2001 and continue his studies in turfgrass science.

The Wisconsin Turfgrass News

is the official publication of the Wisconsin Turfgrass Association, edited by Tom Schwab.

O. J. Noer Turfgrass Research
and Education Facility

Fundraising for The Fellowship

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

The most successful Wisconsin Turfgrass Association fundraising golf tournament just occurred on October 10, 2000. Mike Lee from the new Irish Course at Whistling Straits hosted the event. The level of success was measured in several ways. Well over \$15,000 was raised, which is easily a record for WTA golf, was one of the measures. The participants having a most memorable round of golf was another measure that was definitely reached. The dollars raised will go to the newly formed Wisconsin Distinguished Fellowship in Turfgrass Research program. This Fellowship program when completed will provide a masters or doctoral student to each discipline of turfgrass research at the University of Wisconsin-Madison. This will result in even more brainpower working on Wisconsin's turf quandaries than previously available.

WTA must raise \$250,000 for each graduate student that will then be matched by the Wisconsin Alumni Research Fund. Part of the investment interest from that \$500,000 will fund graduate students in perpetuity, which in today's dollars is approximately \$26,000 per year. The first fellowship, which you read about in the last issue of the Grass Roots, is fully funded and the second one is moving along very well.

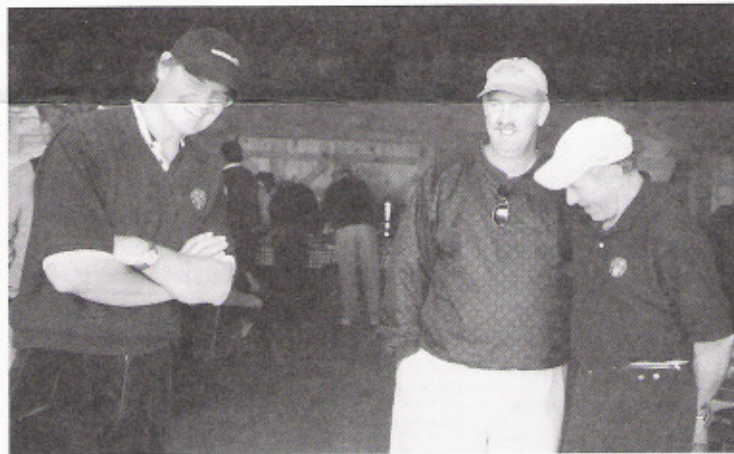
The second one is well on the way due to events like this that are so well attended. One hundred and eight golfers and a handful of others participated in the event. I don't know if this was a

record attendance for WTA golf, because some past events drew great crowds, but thanks to Mike Lee the costs were kept to the very minimum. Bottom line - more money went to the cause. The other reasons for the success were Mike was the perfect host, the event was well organized, the weather could not have been more perfect, and the course!!!!!! The course was, how shall I say, like nothing you've ever seen. It was challenging, beautiful, scenic, diverse, different, and above all fun. You must see this course with your own eyes to believe it. It had everything - sand traps were everywhere yet well placed, water hazards were strategic and beautiful, greens were fast and challenging, and the natural beauty of the landscape along Lake Michigan was indescribably scenic.

The combination of an exceptional golf course, great weather (mid 60

degrees, blue skies, slight wind), and nice people made for another kind of fellowship also - the kind described as sharing a common interest with friends. Everyone was in such a good mood and was ready for an outing like this. It was a well-earned reward for working hard and sacrificing time away from family as we do in the summer.

Although Mike Lee earned our gratitude, there are a few others that need to be thanked for the success. Jeff Gregos put lots of effort into making up the brochures and constructing the hole sponsor signs, Audra Anderson did tons of registration organizing, Bruce Schweiger and others publicized the event, and many companies and individuals generously donated door prizes for after the event. The door prize table was so nicely stocked that every participant took home an exceptional present. Here



Great times were had by all.



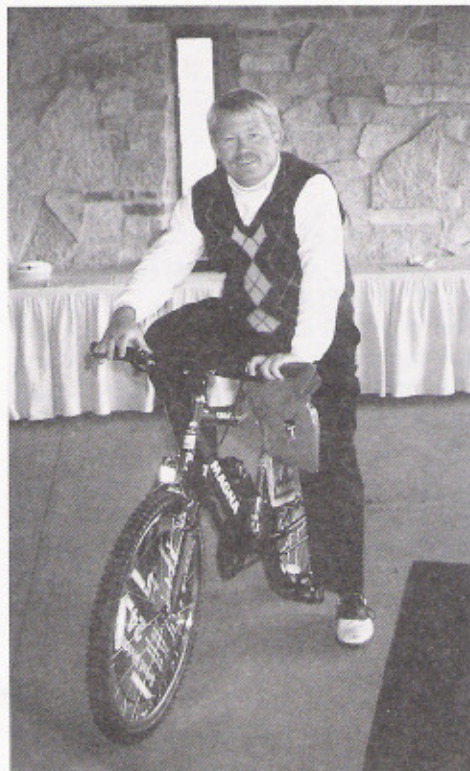
Superb landscapes greeted golfers at every turn.

is the list of door prizes and donors to show you who helped and how many gifts there were. I'm sure there were even a few other people that put prizes on the table whose names I missed.

The last reason for the great success of this outing was from all of you participants who registered for the fundraiser. You did enjoy some nice golf but in so doing raised a large sum of money to help the turf industry of Wisconsin for the future.



Each attendee took home a prize from this bountiful table.



Door Prize list for the Wisconsin Distinguished Graduate Fellowship in Turfgrass Research Golf Outing

Aventis	bike, boom box, tool set, 2 x coolers & thermos cups
Bayer	binoculars, flashlight, camp chair & stove, cooler, thermos, game
Beacon Ballfields	electric screw driver, thermos
Bruce Co	charcoal grill
Caddy Shack Golf Shop	umbrella, head covers, visors
Cherokee CC	Wisconsin jacket
Dr. Neil Peterson	remote control car
Edelweiss CC	golf shirt
Geunhwa Jung	golf cap, football, toy truck
Grand Geneva CC	free golf for a foursome with carts
Greensmix	gourmet treats basket
Hanleys	blower
Horseshoe Bay GC	2 x one free round of golf - cart included, golf shirt
Horst	2 x Caddy Shack gopher stuffed animals
Jacklin	wind shirt
Janesville CC	golf hats
John Stier	golf shirt
Johnson and Associates	2 x saws
JW Turf	John Deere toy tractor
Lawsonia Links GC	free golf for a foursome, carts not included
Lesco (Wasser)	3 CD changer stereo system
Lesco (Madison)	pruner
LL Olds Seed Company	7 x Swiss army knives
Matt Stasiak	sleeve of golf balls
Miller & Associates	duffle bag
Novartis	\$200 worth of Irish Course gift certificates
Old Hickory CC	golf shirt
Oshkosh CC	Cleveland S Wedge
Pendleton Turf Supply	prizes
Plum Lake CC	Calloway putter
Progreen Plus	golf bag
Racine CC	2 x golf shirts
Reinders	2 x color TVs, stereo system
Rettlers	2 x golf shirts
Riverside CC	free golf for a foursome with carts
Spring Valley	snowboarding for 2 including lessons, rentals, & tickets, binoculars
The Andersons	4 x golf shirts
Tom Schwab	golf shirt
Town Country Club	free golf for a foursome with carts
Trout Lake CC	3 x dozen golf balls, golf towels
United Horticultural Supply	\$100 worth of Irish Course gift certificates
University Ridge GC	shirt, hat
UW Athletic Department	golf shirt
Windy Acres GC	2 x golf hats, dozen golf balls
Wisconsin Turf	golf shirt, wind shirt, jacket
Zeneca	\$200 worth of Irish Course gift certificates

The hole sponsor list is also shown below.

The Graduate Fellowship Program is rewarded for their support.

Hole Sponsor list for the Wisconsin Distinguished Graduate Fellowship in Turfgrass Research Golf Outing

Advanced Drainage Systems	Miller & Associates - Sauk Prairie
Bayer	Milwaukee Lawn Sprinkler Corp
Bruce Company - Golf Course Construction	Pendleton Turf Supply
Bruce Company - Golf Course Maintenance	Reinders
Doug & Martha Maxwell	Stephen Pearson
Geunhwa Jung	Sue Kershasky
Jeff Gregos	The Andersons
John Stier	Tom & Dianne Schwab
LL Olds Seed Company	United Horticultural Supply
Lohmann Golf Designs	Wayne Kussow
Long Island Farm	Wisconsin Turf Equipment
Maple Bluff CC	

The Food Quality Protection Act Bares Its Teeth: Turf Pesticide Labels Cancelled

*By Dr. John Stier, Department of Horticulture
University of Wisconsin-Madison*

In the last few months the turf industry has lost or suffered restricted uses of two commonly used insecticides: chlorpyrifos (Dursban) and diazinon due to the Food Quality Protection Act (FQPA) of 1996. Citing children's health concerns, the Environmental Protection Agency (EPA) and the manufacturers of such products agreed to cancel and/or more severely limit their availability. Diazinon, long since banned for use on golf courses, has now had all of its turf, garden, and indoor uses cancelled effective Dec. 31, 2004. During the next four years Syngenta, the manufacturer of diazinon, has agreed to phase out production. Manufacture of diazinon products for outdoor, non-agricultural use will cease June 2003 with sales to retailers ending in August 2003. After Dec. 31, 2004, remaining product can be sold back to the registrants. This agreement also removes one-third of the remaining agricultural uses and classifies the rest as "Restricted Use". The four year phase-out process allowed by the EPA indicates

agreement that diazinon does not pose unreasonable risk to people or the environment when used properly. The fact diazinon is being cancelled anyway does not bode well for the future of many standard turf pesticides.

Dursban is another casualty of FQPA. Despite a good track record, on June 7, 2000, manufacturers of chlorpyrifos and the EPA agreed to a voluntary cancellation for most turf uses with limitations on remaining uses. This agreement affects 253 products. All residential uses (except ant and roach baits, fire ant drenches, and mosquito control) are cancelled. All outdoor non-residential sites are cancelled except for golf courses, road medians, industrial plant sites, non-structural wood treatments, and fire ant drenches. On golf courses and other remaining turf sites, the maximum application rate will be limited to 1 lb a.i. per acre. These uses will also be labeled as Restricted Use or packaged in large containers so as to prevent homeowner use.

Even more startling is the fact that fall-

out from FQPA is just now starting to occur. Despite the purpose of FQPA to protect children, many companies are likely to agree to cancel turf and ornamental uses in order to reduce the total amount of product used in the U.S. As profitable as these uses are, the overall profits realized from other uses are much greater. Be aware: the EPA has three groups of "lists" of pesticides according to their real or supposed health effects. Diazinon and Dursban were on List #1. Other compounds on this list are chlorothalonil (Daconil products), iprodione (Chipco 26GT), PCNB, mancozeb, triadimefon (Bayleton), benomyl, vinclozolin, bensulide, and triclopyr. The EPA will be scrutinizing these and other commonly used turf pesticides hard in the near future. To keep updated, check future issues of the WTA and WSTMA newsletters, the GrassRoots, or the following websites:

- 1) <http://www.ecologic-ipm.com/aisched.html>,
- 2) <http://www.epa.gov/oppeadl/fqpa/toleran.htm>.

Coming Soon!

New UW-Madison Turfgrass Website

*By Stephen Pearson, Department of Horticulture
University of Wisconsin-Madison*

In this, the information age, you can find *anything* on the world-wide-web. However, if you have ever tried to find detailed information about the turfgrass research and education program at the University of Wisconsin-Madison, you probably haven't had much luck. Well, that's about to change. We are in the process of designing a web site to serve several purposes. First, it will provide a source to find answers to frequently asked questions about the turfgrass research and education program at UW. This will include short biographies and contact information on the people who

make up the turfgrass program; professors, graduate students, researchers, and other staff. We plan to include information on important upcoming events (field days, etc.), links to related web sites, and news from O.J. Noer Facility. The second function we hope this web site will serve, is a source for research reports. Access to all the present research reports, including data and results will be available with a few clicks of the mouse. People will be able to access the report(s) of their choice and either read it on-line or print it out on paper. The research reports will also

be available on the soon-to-be-operating WTA web site. Finally, we hope this web site will also serve the students in the turfgrass program at the UW. A section of the web site will be used to post syllabi and information on the turfgrass classes for students to view.

This web site is still in its design and construction phase, so things are subjects to change. We are looking forward to having this tool available to you soon. We expect the site will be up and running by the end of this January. We'll keep you posted. Until then, happy surfing!

CALENDAR OF EVENTS

Jan 9,10	Wisconsin Turfgrass & Greenscape EXPO	Marriott Madison West
Jan 10	WNA Winter Workshop	Edgewater Hotel, Madison
Jan 17-19	Mid-Am Trade Show	Navy Pier, Chicago
Jan 17-21	STMA National Convention	Tampa, Florida
Jan 24,25	Conex-Landscape Expo 2001	Midwest Express Center, Milwaukee
Jan 26	Wintergreen Conference	Gateway technical College, Kenosha
Jan 26	Professional Landscaper Conference	Green Bay and Fond du Lac
Jan 28-30	Wisconsin Arborist Association Conference	Green Bay
Feb 7-9	TPI Midwinter Conference and Exposition	Albuquerque, New Mexico
Feb 9-11	Madison Garden Expo	Madison
Feb 11-18	GCSAA International Conference & Show	Dallas, Texas
Feb 25-27	WLF State Convention	Osthoff Resort, Elkhart Lake
Feb 26-Mar 2	School of Turfgrass Management	West Madison ARS
March 5	WGCSA Spring Meeting	Marriott, Fond du Lac
March 14,15	Reinders Turf & Irrigation Conference	Waukesha Expo Center
July 19-21	TPI Summer Convention & Field Day	Toronto, Ontario, Canada
Mar 5	Pesticide Applicator Training (Turf and Landscape)	Waukesha
Mar 12	Pesticide Applicator Training (Turf and Landscape)	Green Bay
Mar 13	Pesticide Applicator Training (Turf and Landscape)	Eau Claire
Mar 20	Pesticide Applicator Training (Turf and Landscape)	Arlington
Mar 28	Pesticide Applicator Training (Turf and Landscape)	Waukesha
Aug 14	WTA Summer Field Day	OJ Noer Facility, Verona
Aug 17	WNA Summer Field Day	Evergreen Nursery, Sturgeon Bay
Aug18	UW Extension Homeowner Turf Field Day	OJ Noer Facility, Verona
Sept 10	WGCSA Monthly Meeting	Oshkosh CC
Sept 28-30	WNA/ Great Lakes Leadership Council	Grand Rapids, MI
October 12,13	WGCSA Couples Dinner Dance	Trout Lake Golf & CC

WTA Members — If you have an important date you'd like to share with other members call 608-845-6895 or Fax 608-845-8162 and let us include it in the next calendar.

Abbreviations and Telephone Numbers

GCSAA	Golf Course Superintendents Association of America-	800-472-7878
Mid-Am	Mid-Am Trade Show 2001	847-526-2010
NGLGCSA	Northern Great Lakes Golf Course Superintendents Assoc.	800-785-3301 ext. 4013
NCIE	North Central Turfgrass Exposition	312-201-0101
PAT	Pesticide Applicator Training (Turf and Landscape)	-608-263-6358
Reinders	Reinders Turf & Irrigation Conference	800-782-3300
Turf School	School of Turfgrass Management	608-845-6022
STMA	Sports Turf Manager Association	800-323-3875
TPI	Turf Producer International	800-405-8873
UW Ext	UW Extension Homeowner Turf Field Day	608-845-6895
WGCSA	Wisconsin Golf Course Superintendents Association-	414-786-4303
WLF	Wisconsin Landscape Federation	414-529-4705
WNA	Wisconsin Nursery Association	414-529-4705
WSTMA	Wisconsin Sports Turf Manager Association	608-845-6536
WTA	Wisconsin Turfgrass Association	608-845-6536
Wintergreen	Wintergreen Conference	262-656-7252

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