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Sun's Ultraviolet Light Can Damage Eyes

Johnson & Johnson Offers UV Blocking Contact Lenses That Help Protect Against Transmission of Harmful UV Radiation to the Cornea and Into the Eye*

Most people know that exposure to the sun, especially at the height of summer, can damage their skin. But few people realize the serious toll the sun can take on their eyes. Extended exposure to the sun's ultraviolet (UV) rays is one of the risk factors associated with eye disorders such as cataracts.

"Without a doubt, the sun poses one of the biggest dangers to the eyes," said Robert A. Davis, O.D., F.A.A.O., head of the Florida Institute for Sports Vision and team optometrist for the Miami Dolphins. "Overexposure to the sun's ultraviolet rays can be painful - like a 'sunburn of the eye' - but it can also be more serious. A number of studies have shown that the effects of UV radiation are cumulative and may increase your chance of developing cataracts. It is crucial that people protect their eyes from the sun."

Ultraviolet light is the component of sunlight most responsible for eye damage. Ultraviolet light rays come in three main types:

- A, B and C - categorized according to their wavelengths. UV-C is the shortest and potentially the most dangerous wavelength, but it is largely absorbed by the Earth's atmosphere and therefore is less of a threat than UV-A or UV-B. UV-A, a longer wavelength, usually induces skin tanning and browning and is responsible for premature skin aging. UV-B, a shorter wavelength, causes sunburns and is most often associated with skin cancer.

Additional studies show that long term exposure to UV radiation is one of the risk factors associated with cataracts.

Excessive exposure to UV light, especially from light reflected off sand, snow, or pavement, can produce a burn on the surface of the eye. Like a sunburn on the skin, eye surface burns are painful but usually temporary. Long-term exposure of the eye to UV light affects not only its surface (cornea and conjunctiva), but also its internal structures (lens and retina). UV exposure is a risk factor in the development of cataracts, or clouding of the lens. Cataracts are one of the leading causes of reduced vision in the United States.
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It's in the Hole!

John Deere Launches Golf & Turf One Source™ Across North America

John Deere has launched Golf & Turf One Source™ – a full-service platform designed to meet a wide variety of needs for golf course superintendents across North America. The One Source program includes mowing and maintenance equipment, irrigation and landscaping supplies, credit, parts and service. To provide this wide variety of products, includes maintenance equipment, fertilizer, irrigation, landscaping supplies, credit, parts and service. John Deere has formed strategic partnerships with leaders in the seed, fertilizer, irrigation and drainage industries.

Offering a single source for all customer service needs allows John Deere to leverage high-volume buying power and provide competitive pricing. A comprehensive online ordering system and a product platform can be customized to meet needs.

"One Source solidifies and strengthens the John Deere commitment to the golf and turf industry," says Gregg Brenningmeyer, director of marketing and sales, Golf & Turf One Source.

The launch marks the end of a successful two-year pilot program during which suppliers and John Deere distributors worked closely to align their services and prepare the One Source program for its debut. One Source product partners include Advanced Microbial Solutions (AMS), Aquamaster, Calcium Silicate Corporation, Hancor, Howard Fertilizer, Hunter, John Deere Landscapes, Nu-Gro, Profile Products, Progressive Turf, Spring Valley and Turf-seed.

MGCSA Members On the Move...

MGCSA members enjoying new surroundings include: Jeff Ische, Golden Valley Country (previously Spring Hill Golf Club); Andrew Larsen, Rolling Green Country Club (previously The Minikahda Club); Barry Hines, Izaty’s Golf & Yacht Club (previously Wild Ridge); David Johnson, Greystone Golf Club (previously Buffalo Heights Golf Course); Bruce Leiermann, Montgomery Golf Club; Pat Morstad, Stalker Lake Golf Club (previously The Classic at Madden’s); Brian Brown, Chisago Lakes Golf Club (previously Ferndale Country Club); Troy Carson, The Toro Co. (previously University of Minnesota); C. Bruce Klinkner, Ferndale Country Club (previously Rolling Green Country Club); David Longville, Wild Ridge and Mill Run Golf Complex (previously Sawmill-Loggers Trail), and Charles Kornmann, The Classic at Madden’s (previously Fox Hollow Golf Club). Jeffrey Johnson welcomes Jake Schmitz to his staff at The Minikahda Club as his 1st Assistant.

Jay Yonak Wins March Caption Contest

Top caption writers from last month’s “Name the Caption” contest were Jay Yonak, The Links at Northfork; John Monson, Long Prairie Country Club; Rob Adams, The Fonds at Battle Creek, and Steve Garske, Par Aide. Jay’s winning entry was “Toro’s new lateral hazard marker.” John suggested “duh...I think I will build a replica of Stonehenge out of Workmans.” Rob added “Been there, done that.” Steve noted that there is a prominently displayed decal on that vehicle that says “Please Leave Vehicle OUT OF Water Hazard. Thanks to all those that entered.
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There have been a number of developments that impact members of the MGCSA in recent months. In somewhat chronological order, the first of these is that the Horticultural Science Department has a new Department Head, Dr. Thomas Michaels. He received his M.S. and Ph.D. degrees from the University of Wisconsin-Madison. Dr. Michaels comes to us from the University of Guelph, Ontario, Canada where he served for the past seven years as the Associate Dean of the Ontario Agricultural College. In this role Tom was responsible for the college's undergraduate programs which encompass four campuses, as well as continuing education programs. Since his arrival on the St. Paul campus, I've had the pleasure of meeting with him on a number of occasions. As a result of these meetings it has become very obvious that he will be a strong supporter of the turf and grounds industries in this area.

More recently, Dr. Don White's replacement in now on board and we are all very excited to have this position filled. Dr. Eric Watkins, originally from Minnesota, comes to us from Rutgers University with a specialty in breeding and plant genetics. Dr. Watkins officially started on February 1st of this year and is quickly getting up to speed. After graduating from the University of Minnesota, Eric began his Ph.D. program in plant biology at Rutgers University where he was able to study and experience aspects of a world-class turfgrass breeding program under the direction of Dr. William Meyer. Eric hopes to use the skills and knowledge that he gained at Rutgers to effectively train students in turfgrass science as well as develop an extensive turfgrass breeding research program at the University of Minnesota.

While the staff additions mentioned above are very positive, the same cannot be reported for the turfgrass pathology position. The MTGF continues to look for ways to assist the University in filling this position. Given the current budget situation, it appears unlikely that this position will be filled in the near future. Dr. Chuck Muscoplat, Dean of COAFES, continues to state that filling this position is one of his highest priorities. However, until funding improves or retirements within the College take place, this position cannot be filled.

Realizing how important this position is, particularly to the golf industry, the MTGF offered to assist in filling this position with a $90,000.00 offer spread over three years. Unfortunately even this amount of financial support was not enough to bridge the gap between current funding and expenses. This offer of support remains on the table in the event that budget conditions improve at the University.

On a brighter note, the Board of Directors of the MTGF at its March 2004 meeting approved an extensive agenda in support of research, teaching and outreach in various areas of the turf and grounds industries. Funding for several programs in the Horticultural Science Department were approved totaling $60,000.00. This donation has been made in support the following: a research technician for Dr. Brian Horgan's program; maintenance of the TROE Center; Dr. Eric Watkins' research activities in developing new turfgrass varieties; Brad Pedersen's landscape program; and three different research projects being conducted by Dr. Jeff Gillman that are associated with stem girdling roots.

Also at the March meeting a significant amount of funds were allocated for discussions with University officials in an effort to jump-start the planning stage for a building on the TROE Center site on the St. Paul campus. A meeting with the Executive Committee of the MTGF and University administration personnel is scheduled for early April to explore this possibility. This facility is now on the six-year University plan but the MTGF is hoping to help speed that process using this approach.

While the above addresses research activities and facilities, the MTGF Board of Directors also approved additional activities for the coming year. A Pesticide Recertification Workshop has been scheduled for October 20, 2004 at Midland Hills Country Club. Pending input from the MDA, an out-state workshop may also be added in the fall of 2004. In addition, the MTGF will be scheduling a Power Limited Technician recertification workshop in the fall of 2004. As a supplement to that workshop, the two-hour code requirement for this recertification will be scheduled during the 2005 Minnesota Green Expo. The scheduling of that session will definitely not compete with the Pesticide Recertification sessions at the Expo. The dates for the next Minnesota Green Expo are January 5, 6 and 7, 2005 with the Pesticide Recertification portion being January 7th. Your MGCSA Education Committee has met and come up with a great list of speakers and topics for the '05 Expo. Taking advantage of this great educational and networking event is one of the best investments you can make for yourself and the future of your profession.

Your MTGF continues to pursue its mission "to promote the green industries in Minnesota through support of research, education and outreach at the University of Minnesota and elsewhere". MGCSA is certainly playing a lead role in the pursuit of that mission and together we are having a positive impact on the quality of the turf and grounds areas throughout this part of the country. Hopefully your courses have come out of winter with minimum damage and the coming season will be kind to all of you who work so hard to make the world a better place in which to live.
CLASSIFIED ADS

Posted March 30
FOR SALE
1986 - Cushman tractor 3 wheel w/rops, includes 100 gallon sprayer and hydraulic dump box 2016 hrs $2000.00
John Deere 2630 tractor - 2wd with posi- 78 hp diesel - turf tires, rear PTO, 3pt Hitch, rear hydraulic $7000.00
Befco - Cyclone Flex - 12ft pull behind rotary mower - never been used - new owner receives remaining factory warranty - sells for $11,900.00 - will sell for $9,900.00
Toro - Greensmaster 11 blade Reels - SPA - Sharpened set of 3 $1500.00
Toro - Greensmaster 8 blade Reels - SPA - Sharpened set of 3 $1500.00
Delivery may be available
Contact: Jason Ruboff
Koronis Hills Golf Club
shop# 320-243-4119
cell# 320-493-2644

Posted March 18
FOR SALE
1991 223D Toro Reelmaster
Reels ground and ready for spring, 8 blade with baskets. Leak detector and all hoses replaced new last year. Good condition. $4000/ negotiable.
Toro Parkmaster 7 gang hydraulic lift. No cutting units. Good condition. $4000/ negotiable.
Contact: John
Woodhill C country Club
952-473-5811

Posted March 17
FOR SALE
1991 Toro Hydroject 3000
220 hours - $900
1992 Speedtroller - $500
1997 Toro Greens Aerator-$1000 low hours
1989 Warner 300gal Sprayer - $1000
Ryan Makeaway - 1/2" Ditch Witch/foldy - as is - Free
Mast Rosdal
Interlachen Country Club
Phone: 952/924-7420
mnistall@interlachen.org

Posted March 17
FOR SALE
John Deere 321A Fairway Mower
2400 hrs., good condition - $85,995
Cushman Topdresser - $695
Contact: Richard Kelvington
Olivea Golf Club
Phone: 320-523-1825
Cell: 320-599-6631

Posted March 16
FOR SALE
1998 Kabota tractor with loader
Very low hours (approx. 600), diesel M$400 4-wheel drive cab with AC, heat, water cooled, 4-cylinder 54 h.p., full hydrostatic steering, adjustable wet type PTO 17.2 speed capability
Contact: David Parker
The Bridges Golf Course
763-286-2082

Posted March 16
FOR SALE
1998 Greens Iron 3000 Roller
Honda Engine 5.5 HP
New Brakes Bands, comes with trailer
Good condition - brand new $7,000 asking $1,250 or best offer
Contact: Mike Hansen
River Falls Golf Club
(715) 425-2808

Posted March 11
FOR SALE
Jacobsen Walking Greens Mower
engine runs, new reel, new bedknife
Contact: Terry Negen
320-226-2887
The Crossings Golf Club
tnegen@hotmail.com

Posted March 11
FOR SALE
1998 Toro 345 with Guardian Recycler 72' deck, 4080 hrs. Core pulverizer and roll cage included - $35,000
Two Otterblines 2hp pond aerators $300 ea. or $550 for both.
Toro VT3 Central (digital) irrigation controller $400
Contact: Kevin Rue
Detroit Country Club
218-847-9370
dcmn@avt.net

Posted February 25
FOR SALE
(8) 1224/1290 Rainbow Satellites fully operational or used for parts $30 ea. or $200 for all eight.
Contact: Chad
320-286-2007 or 320-224-6225

Posted February 24
FOR SALE
(5) Motorola SP50, 5 watt VHF Radios, matching above frequency, standard chargers, 1 full and 22 extra sets $75 each.
Contact: Ronnie
(314) 272-7310

Posted February 23
FOR SALE
(1968) Toro Series 5 Tractor with manual dump box - 6 cyl. Continental Engine
"Best Offer"
Contact: John
Burl Oaks Golf Club
952-673-7124

Posted February 22
FOR SALE
"93 Toro GR100 Walker
11 blade with 90% stock. Wheel kit, well maintained. Looks/ runs exc. Serviced, sharpened, RTC, $1250/offer.
Contact Chad at (651)494-0288
Prestwick Golf Club

Posted January 22
FOR SALE
1996 AIB V.F. Drive
440 volt 3 phase, for 60hp 77 amp motor. Works exc. $1850/offer.
Contact Dave at (651) 459-0288
Prestwick Golf Club

Posted January 22
FOR SALE
Toro Parkmaster 7 gang hydraulic lift.
No cutting units. Good condition. $4000/ negotiable.
Contact: John
Woodhill C country Club
952-473-5811

Posted January 21
FOR SALE
1990 - Blackbird Ridge Golf Club
Circa 1950-1960

Posted January 12
FOR SALE
1995 Toro 5300D fairway mower, 2WD, 2800 hrs $6900-1995 Toro 5000D fairway mower, 4WD, 2200 hrs $5300-1986 Toro Sandpro, 3WD, 1700 hrs $3995-1994 John Deere 3215 fairway mower, 2WD, 1900 hrs $900-Belt on forklift attachments for loader bucket $900-Jake Tri King 1620D trim mower, 3WD, 2800 hrs $11,900-1990 Toro 4550 4WD, 11.5 foot rotary, 3200 hrs Contact: Guy Leah
Spring Valley Golf Course
715-778-9513

Posted January 21
FOR SALE
Toro VT3 Central (digital) irrigation controller $400
Contact: Kevin Rue
Detroit Country Club
218-847-9370
dcmn@avt.net

Posted December 3
FOR SALE
Olah's Model 150 Snow Blower 52" width, designed to be Mounted on Toro's 5000D and Series Tractors
Heavy duty 2-stage blower with electric operated directional chute
This unit was mounted on a 345 Greensmaster and is in great shape $1200 or Best Offer
Contact: Chip Lohman
Voyager Village Country Club
715-759-7925

Posted November 13
FOR SALE
10 Toro VT3 irrigation docks 30 V12 electro mechanical docks 10 satellite boxes. Dirt cheap-best offer
Contact: Jeff Johnson or Rick Krause
The Minolta Golf Club
612-926-4167

Posted November 3
FOR SALE
1997 John Deere 3215 A Fairway Mower, 2446 hours - $6,950
Cushman Topdresser, PTO Driven - $850
8N Ford Tractor, runs - $800
Contact: Richard Kelvington
Olivia Golf Club
320-523-1825

Posted October 28
FOR SALE
Toro VT.II Central controller $300
Toro Network LTC Satellites 6 Stations 7-($40 each) 75 HP centrifugal pump with VFD (680 volt 3-phase) $6000
10 HP centrifugal pump ($40 volt 3-phase) $500
7.5 HP floating river pump ($480 volt 3-phase) $300
Misc. cast iron pipe fittings for old pump and house (free)
Contact: John Grand Parker
Eau Claire Country Club
715-856-8422

Contact: Dan Mickelson
Bluff Creek GC
612-794-0005

Posted January 12
FOR SALE
+ Toro Greensmaster 3000 with cutting units (new motor and reels) $1,250
+ Jacobsen Greensking IV with cutting units, diesel, runs great $1,000
+ 1992 Jacobsen LF100 fairway mower with cutting units, diesel, still cuts great $1,900
+ 1991 Jacobsen LF100 fairway mower for parts, sell both for $1,000
+ Toro vertical reels, never used $750
+ Two 1998 Terra Boom rotary sweepers, 3.5hp Briggs great for sweeping in topdressing or clearing cart paths $500 for both
+ Yard Machines 5hp push blower, never used - $100
Contact: Scott Greenfield
Spooner Golf Club
(715) 635-6368

Contact Chad at (651)494-0288
Prestwick Golf Club

Posted January 14
FOR SALE
Greens Mowers
+ Jacobsen 2 cycle - 3
+ Jacobsen 318- 2
+ Jacobsen 322- 4
Jacobsen Groomer Attachment
Greens Roller: Greensiron 3000 - new Toro 322D with flail deck and blower attachment Flymowers’ 22"- 4
Call for pricing
Contact: Tim Johnson
Spring Hill Golf Club
952-476-8757
tim@springhillgc.com

Posted January 13
FOR SALE
Peerless Single Blade Grinder Model 1300
Circa 1950-1960
"Best Offer"
Contact: Michael Cohrs

28 April 2004 Hole Notes
PHOSPHORUS ISSUE REARS ITS UGLY HEAD

The Never Ending Battle

By PAUL ECKHOLM, CGCS
MGCSA Legislative Committee Chair

Rearing Its Ugly Head

Just when we thought that the issue of phosphorous use on golf courses was settled, the new legislative session convened. In January, Larry Vetter informed me that a member of the legislature wanted to speak with me concerning our "exemption" in the phosphorous law. I patiently awaited the call that never came. That is until only two days into the session. Rep. Denny McNamara (former president of the MNLA) called and informed me that he was a co-author of a bill that would take the phosphorous legislation statewide and eliminate the "exemption" held by golf courses, a bill pushed by the Minnesota Lakes Association.

Swing Into Action

After speaking with Rep. McNamara for about 30 minutes I was able to articulate our position that we are not "exempt" from the law but in fact we are voluntarily holding ourselves to a higher standard than the soil test option. Following this call I immediately got on the phone with MGA Executive Director Tom Ryan to confirm that they would continue to allow us to use their lobbyist Doug Carnival. Next came the call directly to Mr. Carnival. I explained the situation, who was involved and the action I would like him to take. Together we came up with a plan of attack and moved forward.

Remember, to this point no bill had been introduced. However, with all things at the Capitol, preemption is always the best route. The next call was to Greg Buzicky, Director of the Department of Agriculture. I informed him of the bill, which he had no knowledge of, and explained our position and asked if the Department had changed their stance regarding golf courses. He assured me their stand was the same and that he felt that we were in a stronger position now than in the past.

Following this call I spoke with Bob Fitch, executive Director of the MNLA, and confirmed that they were not involved as well as to get inside information on Rep. McNamara and his possible reasoning.

Now, loaded for bear, I again called Mr. Carnival to relay all of this information to aid him in his discussions with the bill authors and the other powerful players at the Capitol. Then it was time to wait for the actual bill introduction and see what language was in it. This took place during the GCSAA Conference and Show. I visited the internet café and looked up the bill and thankfully noted that the language pertaining to golf courses was intact. This is no guarantee that it will remain, but it gives us better footing to start.

The Aftermath

As you can see, this is truly a team effort. With an established network of people, all of whom are kept up to date, we can significantly affect how we are seen and treated at the Capitol. We must all continue to do our part environmentally, since perception is a strong player in the halls of the legislature.
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