

on 11/2013

THE MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS

# COURSE

NEW TECHNOLOGY

CHAPTER DELEGATES UPDATE

WHAT WORKED FOR YOU?

## OSHA Deadline Approaches







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# toc

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December 1, 2013 is the first deadline to train employees on the new Safety Data Sheets. Get ready to meet the deadline. Read about how you can get ready on page 6.

PHOTO: Luke Cella

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Chuck Barber

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Luke Cella, CGCS



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### 2013-14 MIDWEST EVENTS

- 11/14 61<sup>st</sup> Midwest Turf Clinic, Medinah Country Club
- 1/22/14 January Meeting & Wee One Fundraiser, Seven Bridges
- 2/5/14 Midwest Hospitality Reception, Orlando Fl

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*The Wee One Foundation is asking golf course superintendents nationwide to donate a portion of their Early Order Program points to the Wee One Foundation through participating turf care supply companies. All donated points will be matched as a cash donation from the participating organizations. Donations will help ease the financial burden associated with medical expenses for golf course management professionals and their dependents.*

For a complete list of participating companies, visit [weeone.org](http://weeone.org)

**wee one**  
foundation

Wee One Foundation is a 501(c)3 non-profit organization. A tribute to Wayne Otto, CGCS.

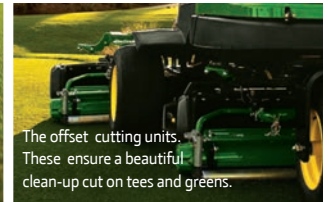
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# A Work in Progress

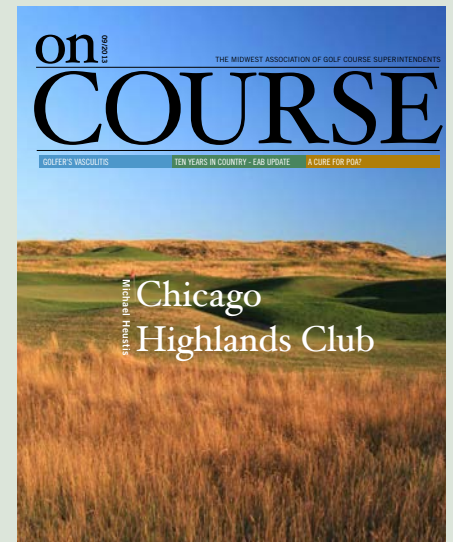


Dave Groelle, CGCS  
Royal Melbourne CC  
MAGCS President

Where does the time go? We say it often. It is true in so many areas of our life. Time with family goes by so fast. One day you're changing diapers and the next thing you know they are off to college. Time at work is the same.

As I write this it is my 13 year anniversary at Royal Melbourne. It seems so hard to believe that much time has passed. The same holds true for my term as President. It feels like I just started. As my term comes to an end I have been thinking about the past year and what has been accomplished. What could be done better? Was it worth it?

As far as accomplishments, that is a tough one. It is difficult as MAGCS was/is a strong thriving chapter when I took the helm. Our chapter is a leader in our industry. How do you improve upon that? I set forth some goals with the Board and we worked very hard at achieving them. We attempted to get the publication out in a more timely fashion. I believe there has been improvement in this area. We also were able to offer the publication digitally. The digital version is available the first week of the month. The website was re-designed and is much more user friendly especially for meeting registration and payments. We've changed processors to PayPal which allows us to accept all major credit cards, while still being able to produce invoices if needed. The online directory is much more robust and easier to find members of the Association. Both of these items are huge improvements and a great value to our members. We are still working on other items. We are trying to get our story out to the masses in golf by creating partnerships with the CDGA and other organizations. It is a slow road. An example of our progress includes receiving grant money from the GCSAA to create a non-member version of On Course to send out to industry leaders. These are some of the ways we are trying to promote our industry and they are always a work in progress.



Was it worth it? Absolutely. I am very pleased that I have gone down this road. It has afforded me the opportunity to get to know so many great people in our industry. And there are many. No other industry helps each other out the way we do. Just look at the work that has been done by The Wee One for example. I am proud to say that I am a part of this organization. I will hold it high on my list of accomplishments professionally. I would encourage anyone who might be interested in Board service to give it a try. It really does not take up that much of your time. You can find a way. Besides, the upside is so great. Thank you again for allowing me to serve as President of the MAGCS. Time flies when you're having fun. @

# New Technology that Helps

Chuck Barber, St. Charles Country Club



“Superintendents, I need some help for an article for MAGCS please. What it’s the best new tech, product, innovation for the golf course you’ve implemented or tried this year? Why? Thanks for your support”

This was the question I posted on Facebook to my friends and colleagues on July 23rd of 2013. The idea was to get superintendents involved in creating content in a fast, efficient way. Further, they are on

Facebook and Twitter all day long, receive constant updates on their phones and probably scroll through it before going to bed. As new questions present themselves I will indeed be posting more on Facebook and Twitter so I will continue to expect your full support. Got it? Full disclosure: I forced Matt Harstad and

John Gurke to reply. I know they have a strong online presence and but were being evasive.

Technology has changed so much and continues at a pace that is difficult for even the most technologically savvy among us to keep up with. How could we? According to Wikipedia: “ Moore’s law is the observation that, over the history of computing hardware, the number of transistors on integrated circuits doubles approximately every two years. The law is named after Intel co-founder Gordon E. Moore, who described the trend in his 1965 paper.” Technology is advancing, quickly, and we can’t keep up.



*Scott White voted for his flashlight application on his cell phone for best technology at Mauh-Nah-Tee-See Golf Club.*



*Erwin McKone, CGCS defined tree removal as the best innovation this year at Briar Ridge CC that he has used.*

Without getting more long-winded on the subject, I’ll get to the responses. Justin VanLanduit of Briarwood Country Club



had two ideas on the newest technology to save him time and money: TDR 300 moisture meters and GPS Sprayers. Justin goes on to note that the technologies aren't new, they've been around a few years. They're new technologies to him and to Briarwood. "We've been able to knock off about 15%-20% of sprayed area on fairways. It's better for the environment, better for the turf and better for the budget." It would seem that this technology is right for all the right reasons.

Tony Frandria at Glen View Club made mention of the TDR 300 moisture meter as well. This tool has really taken the turf world by storm in the last 3 years. "They've been a really useful tool for us. We've bought a couple more and have taught the hand water guys how to use them."

What about the innovations right in the palms of our hands? Scott White at Mauh-Nah-Tee-See Golf Club is enamored of the flashlight app on his smart phone. "No joke, I use it all the time at the club for goofy little stuff." I've seen this application used at St. Charles Country Club, the doctor's office, at home and virtually anywhere. I don't know if the flashlight industry is in immediate danger but I'd start looking at dumping stock now.



*What would a technology article be without mention of Spectrum's TDR 300 Moisture Meter? Tony Frandria of Glen View Club uses them extensively.*

Andy Wedge of Morris Country Club is, among many things, an innovator. The one thing he found to use this year that has really opened his eyes is Monkey Butt Paste. For those of you who know Andy this will require no explanation. For those of you who don't, I wouldn't recommend finding out why.

John Gukre, CGCS at Aurora Country Club had struggled for several years with algae and aquatic weeds in his irrigation pond. He was directed towards Valent's "Clipper" herbicide and has found just how good new technologies can be. "We use to have to clean the strainer after each irrigation cycle it would get so crammed full of debris. I've always battled a yucky looking irrigation pond until this year. One application about a month and a half ago and we are clean. No more clogged wye strainer. No more headache".

Scott Verdun found his smart phones and tablet computers, when coupled with Google Drive really made a huge difference in his everyday life. "I give my assistant access to the files, I can create job worksheets as well as all spray sheets and I can edit them from the course he then keeps the Google Drive open on

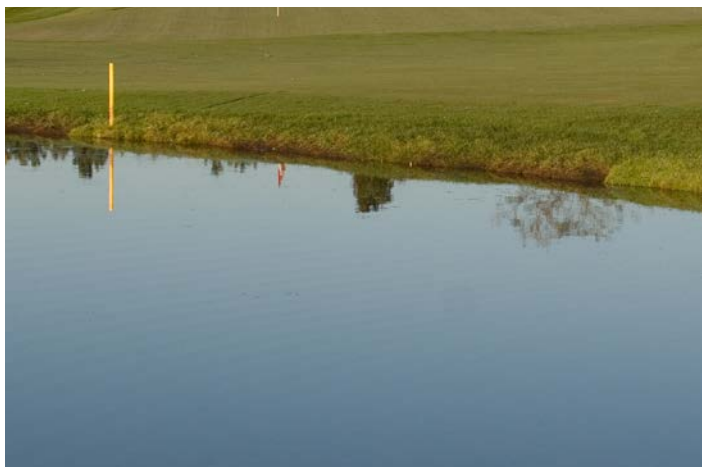


*Google Drive is online file storage and computing (cloud) that enables users to share and collaborate on items together. You can place your daily task sheet on Google Drive and give your staff access to it, you and they can make changes to it, and everyone who has access sees those changes.*

his desktop so it increases communication. It also puts what I want done in writing as opposed to me just saying it over the radio. Better efficiency and more effective in my opinion."

Justin VanLanduit echoes Scott's thoughts on the smart phone/Google Drive combination. "We've done the same thing here. Both have the application on our phones and easy to update files on the run."

Although I found it hard to believe that Erwin McKone of Briar



*John Gurke, CGCS shared his success with Valent's herbicide Clipper.*

Ridge Country Club only NOW found out the benefits of tree removal, that's the technology that has helped him the most in 2013. No, it's not new but sometimes the basic things are the best things. Dave Groelle, CGCS chimed in via Twitter citing his window air conditioner in his office helped him get by this summer.

Connor Healy, Assistant Superintendent at Conway (or Con-man) Farms likes the things he's discovered on Twitter this year. "Even though it isn't really new, I have learned a bunch from Twitter. So many useful ideas shared on a daily basis and in real time. It's awesome learning people's approaches on various topics both locally and nationally."

Technology: Some new, some old. Try to find what works for you and make it your own. @

# OSHA Deadline Approaches

Luke Cella, MAGCS

PHOTOS: LUKE CELLA

On December 1, 2013 employers in the United States are required to train their employees on new standards mandated by the United Nations back in 1992 at their “Earth Summit”. The harmonization of classification and labeling of chemicals was one of six program areas that were endorsed by the United Nations General Assembly to strengthen international efforts concerning the environmentally sound management of chemicals.

It was recognized that an internationally harmonized approach to classification and labeling would provide the foundation for all countries to develop comprehensive national programs to ensure the safe use of chemicals.

The adoption and implementation of the system within the United States alone is estimated to affect over 40 million workers, in over 5 million workplaces, costing an estimated \$97 million a year for the next three years. Employers and

manufacturers are tasked with implementing the program from new labeling to training both management and employees on the new system. On the plus side, OSHA estimates that the revised standard will prevent 43 fatalities and 585 injuries and illnesses annually. The annualized monetized benefits associated with these reductions in safety and health risks are an estimated \$266 million a year. OSHA estimates additional annualized benefits of \$585 million a year from cost reductions and productivity improvements attributable to the proposed revisions. In total, OSHA estimates that the proposed revisions will provide net annualized savings of \$754 million a year. When the transition to the new system is complete, it will be a good thing.

Most of us are aware of the steps needed to bring a new turf product to market within the United States and EPA registration process. We’ve read about the development of the molecule and the testing; both can take a very long time with substantial investment. Once the product is approved a label needs to be created. We’ve also known that the label is a legal binding document, that has all the information we need to safely and effectively apply product. There is a lot of work that goes into developing one label for a product, however because of the many different systems in place in our world, often times the same products needs different labels depending where it is sold.



*Standardized signal words and pictograms are part of the new labeling system.*





*The harmonized label will be on chemicals around the world, using the same standards, definitions and pictograms. It will be easier on the chemical manufacturers and provide consistency for training employees.*

A number of classification and labeling systems, each addressing specific use patterns and groups of chemicals, exist at the national, regional and international levels. We have been used to the standards and labeling within the United States however, when the product is to be sold worldwide, standards for labeling can change with each country. Not only do the standards change, but the criteria, definitions, and gradations found on labels differ from country to country for production, transport, use and disposal. While the existing laws and regulations are similar, they are different enough to require multiple labels for the same product both within the U.S. and in international trade and to require multiple safety data sheets for the same product in international trade. Even within the United States differing regulatory agencies have different hazard definitions and well as information to be included on the label.

When I discovered how fractured this system had become, a global harmonized system makes sense. Investigating further, you'll find the new standards and implementation is a good thing and should not be too onerous on any golf course operation.

### What is it all about?

Chemicals directly or indirectly affect our lives and are essential to our food, our health, and our lifestyle. The widespread use of chemicals has resulted in the development of sector-specific regulations (transport, production, workplace, agriculture, trade, and consumer products). Having readily available information on the hazardous properties of chemicals, and recommended control measures, allows the production, transport, use and disposal of chemicals to be managed safely. Thus, human health and the environment are

protected.

The sound management of chemicals should include systems through which chemical hazards are identified and communicated to all who are potentially exposed. These groups include workers, consumers, emergency responders and the public. It is important to know what chemicals are present and/or used, their hazards to human health and the environment, and the means to control them. The existing hazard classification and labeling systems address potential exposure to chemicals in all the types of use settings listed above.

For example, a product may be considered flammable or toxic by one agency or country, but not by another. OSHA HCS (hazard communication standard) defines that a chemical is flammable between 0° and 100° degrees Fahrenheit and combustible between 100° and 200° degrees Fahrenheit; whereas the new GHS defines flammable between 0° -140°F and combustible between 140° - 200°F.

Under the old statutes, the same product could be "flammable" or "combustible" depending on the governing body and could need different labels in different countries. This may not seem like a big deal, but when transport, storage, and use, are defined by whether the products are "flammable", or "combustible" things can get a little muddled. The same goes for chemicals based upon their toxicity. For example, in the US under EPA/FIFRA labeling system a chemical is deemed under "Toxic Category I" if the LD<sub>50</sub> is from 0 to 50. It is deemed "Highly Toxic" by OSHA's Hazard Communication System and in Japan if it is less than 30, it is called "Poisonous". The differences are even greater as one looks at the toxicity scale as the LD<sub>50</sub> increases into the hazard and low toxicity ranges. There is greater discrepancy between countries and systems. The GHS will standardize labeling offering consistent and comprehensible system for the world.

<u>OSHA HCS</u>
Flammable = 0-100°
Combustible = 100-200°
<u>OSHA/NFPA</u>
Flammable = 0-100°
Combustible = 100-200°+
<u>EU</u>
Extremely/Highly/Flammable = 0-131°
<u>WHMIS</u>
Division 2 Flammable = 0-100°
Division 3 Combustible = 100-200°
<u>DOT</u>
Flammable = 0-140°
Combustible = 140-200°
<u>IMO</u>
Flammable = 0-140°
<u>ICAO/IATA</u>
Flammable = 0-140°
<u>CPSC</u>
Flammable = 0-100°
Combustible = 100-150°
<u>ANSI Z129.1</u>
Extremely Flammable = 0-140°
Combustible = 140-200°
<u>GHS</u>
Flammable = 0-140°
Combustible = 140-200°

*Prior to the Global Harmonized System (GHS), different agencies used differing temperature ranges to tell whether a chemical was flammable or combustible. This represents one small definition in the labeling of chemicals that needed consistency.*

*Continued on page 10*



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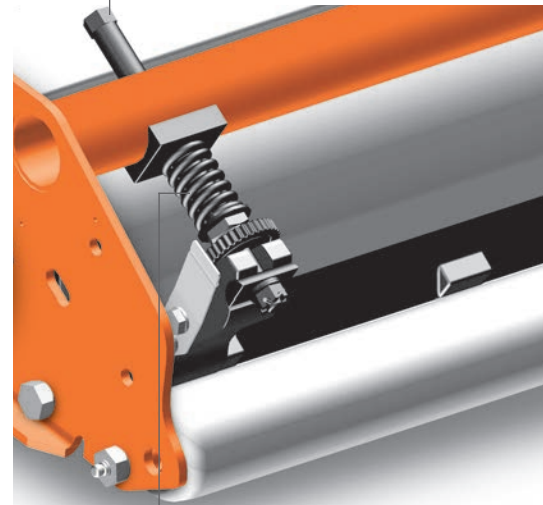


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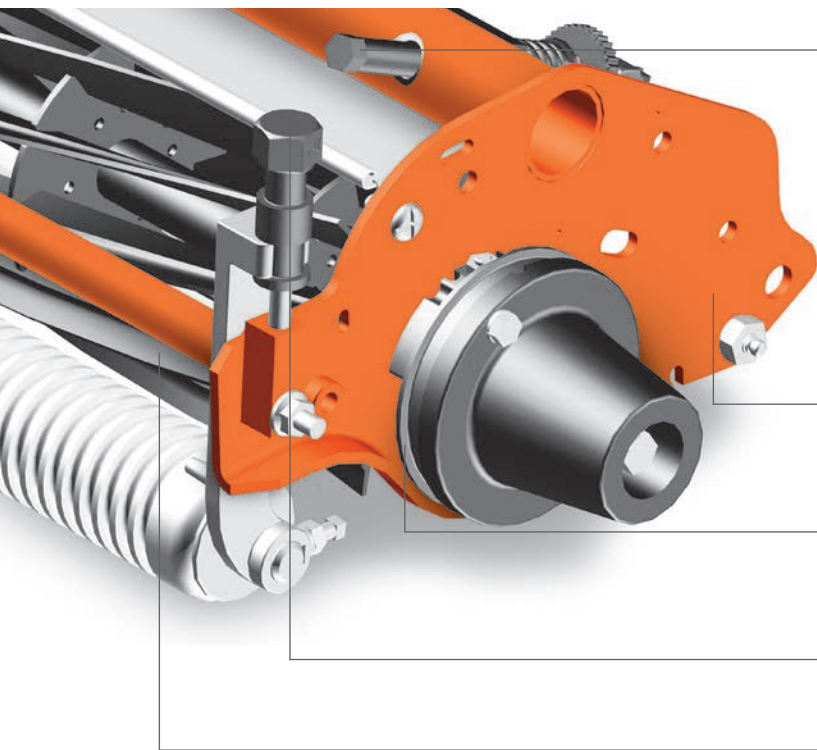
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- **Easier to adjust** – The bedknife-to-reel adjustment is made from the top and front of the TrueSet cutting unit using a ½" wrench, the same tool used for height-of-cut adjustment. This makes the new cutting unit much easier to reach and reduces the number of tools needed to make adjustments.
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These differences in hazards and SDS/labels impact both protection and trade. In the area of protection, users may see different label warnings or safety data sheet information for the same chemical. In the area of trade, the need to comply with multiple regulations regarding hazard classification and labeling is costly and time-consuming. Some multinational companies have estimated that there are over 100 diverse hazard communication regulations for their products globally. For small and medium size companies regulatory compliance is complex and costly, and it can act as a barrier to international trade in chemicals.

The basic goal of hazard communication is to ensure that employers, employees and the public are provided with adequate, practical, reliable and comprehensible information on the hazards of chemicals, so that they can take effective preventive and protective measure for their health and safety. Thus, implementation of effective hazard communication provides benefits for governments, companies, workers, and members of the public.

The GHS has maximum value if it is accepted in all major regulatory systems for chemical hazard communication. In the USA alone, implementation of the GHS would harmonize hazard definitions and label information among U.S. regulatory agencies (CPSC, DOT, EPA, OSHA, etc.). If the GHS is implemented globally, consistent information will be communicated on labels and SDSs.

It is anticipated that application of the GHS will:

- Enhance the protection of human health and the environment by providing an internationally comprehensible system,
- Provide a recognized framework to develop regulations for those countries without existing systems,
- Facilitate international trade in chemicals whose hazards have been identified on an international basis,
- Reduce the need for testing and evaluation against multiple classification systems.

The tangible benefits to governments are:

- Fewer chemical accidents and incidents,
- Lower health care costs,
- Improved protection of workers and the public from chemical hazards,
- Avoiding duplication of effort in creating national

systems,

- Reduction in the costs of enforcement,
- Improved reputation on chemical issues, both domestically and internationally.

Benefits to companies include:

- A safer work environment and improved relations with employees,
- An increase in efficiency and reduced costs from compliance with hazard communication regulations,
- Application of expert systems resulting in maximizing expert resources and minimizing labor and costs,
- Facilitation of electronic transmission systems with international scope,

- Expanded use of training programs on health and safety,
  - Reduced costs due to fewer accidents and illnesses,
  - Improved corporate image and credibility.
- Benefits to workers and members of the public include:
- Improved safety for workers and others through consistent and simplified communications on chemical hazards and practices to follow for safe handling and use,
  - Greater awareness of hazards, resulting in safer use of chemicals in the workplace and in the home.



*One of the training requirements of staff is now training on labels on shipping containers. These labels must now include: product identifier, signal word, pictogram, hazard statement(s), precautionary statement(s) and the supplier identification including name, address and phone number.*

### What chemicals are covered?

The GHS covers all hazardous chemicals. There are no complete exemptions from the scope of the GHS for a particular type of chemical or product. The term “chemical” is used broadly to include substances, products, mixtures, preparations, or any other terms that may be used by existing systems. The goal of the GHS is to identify the intrinsic hazards of chemical substances and mixtures and to convey hazard information about these hazards.

### GHS Health and Environmental Hazards

The GHS health and environmental hazard criteria represent a harmonized approach for existing classification systems. It may take a little bit of research and reading to be able to train your staff on these definitions, but most of them you already know and have seen in the past.

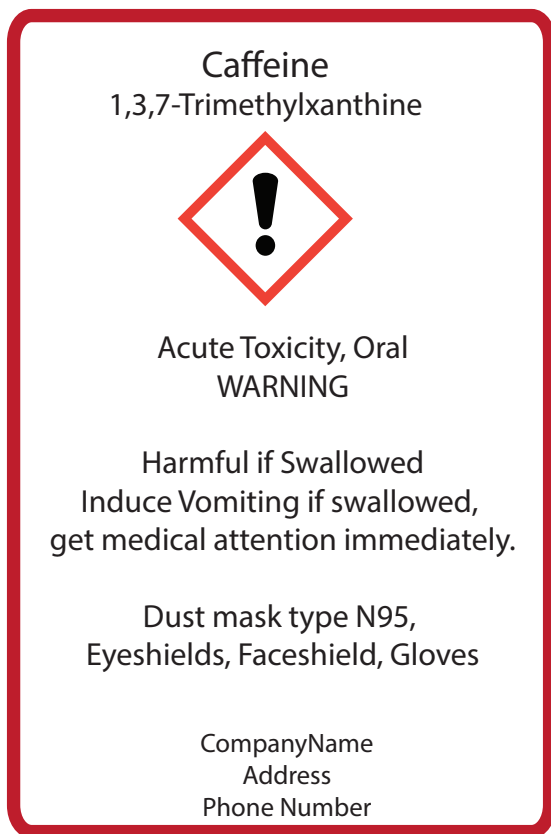


## What do we have to do to be in compliance?

Train Employees on New Label: December 1, 2013

Each facility is required to teach their employees what they will see on the new labels and Safety Data Sheets (SDS). Though new, the label has many similar or the same items as the old labels, however this new standard once learned by your employees will apply to all labels that they will see in the future.

Employers are also required to train employees on the new standardized 16-section format of the Safety Data Sheets and the type of information they will find in the various sections.



*When training use an example Safety Data Sheet (SDS) to make your point. The label for caffeine molecule makes you think twice about having another cup of coffee.*

Employers have been required to provide effective information and training on the hazardous chemicals in their work areas. It must be done at the time of initial assignment to work with a chemical, and when a new chemical hazard is introduced into the work area. This training may be done by individual chemical or by the hazard (i.e. flammable liquids).

The new required training includes: The details of the hazard communication program developed by the employer, including an explanation of the labels received on shipped containers and the workplace labeling system used by their employer; the safety data sheet, including the order of information and how employees can obtain and use the

appropriate hazard information. Since new labeling, OSHA is requiring employers to provide training on the new approach ensuring employees are able to access and use the information on the new labels and SDSs effectively. This is what needs to be done by December 1, 2013. At present, OSHA has not required employers to retrain employees on all hazards, just the new label elements and SDS format and approach.

When training employees, there are several factors to consider and items to be addressed.

First, develop a plan or agenda covering: Who will do the training? What will be covered? How will it be conducted?

Items that should be covered in your training:

- Role of Labels, they provide an immediate source of information
- New Labels, more information included
- Label elements – explain each label element (pictogram(s), hazard statement(s), signal word and precautionary statement(s) for each hazard class and category)

Training on labels on shipping containers is similar. Labels must now include: product identifier, signal word, pictogram, hazard statement(s), precautionary statement(s) and the supplier identification including name, address and phone number. The role of the SDS has not changed from the MSDS that has been in use; it still provides a detailed source of information about a specific chemical.

Employers must ensure that the SDSs are readily accessible to employees for all hazardous chemicals in their workplace. This may be done in many ways. For example, employers may keep the SDSs in a binder or on computers as long as the employees have immediate access to the information without leaving their work area when needed and a back-up is available for rapid access to the SDS in the case of a power outage or other emergency. Furthermore, employers may want to designate a person(s) responsible for obtaining and maintaining the SDSs. If the employer does not have an SDS, the employer or designated person(s) should contact the manufacturer to obtain one.

## Hazard Communication Standard: Safety Data Sheets

The Hazard Communication Standard, revised in 2012, re-



*SDSs still need to be readily accessible to employees for all hazardous chemicals in the workplace. Computers can now be used to store them, however they must be accessible at all times – so if the power goes out...it might be best to have a back up in place.*

<i>Effective Completion Date</i>	<i>Requirements</i>
<i>December 1, 2013</i>	<i>Train employees on the new label elements and safety data sheet (SDS) format.</i>
<i>June 1, 2015 December 1, 2015</i>	<i>Compliance with all modified provisions of this final rule, except: The Distributor shall not ship containers labeled by the chemical manufacturer or importer unless it is a GHS label</i>
<i>June 1, 2016</i>	<i>Update alternative workplace labeling and hazard communication program as necessary, and provide additional employee training for newly identified physical or health hazards.</i>

*Important dates in the coming years for compliance.*

quires that the chemical manufacturer, distributor, or importer provide Safety Data Sheets (SDSs) (formerly MSDs or Material Safety Data Sheets) for each hazardous chemical to downstream users to communicate information on these hazards. The information contained in the SDS is largely the same as the MSDS, except now the SDSs are required to be presented in a consistent user-friendly, 16-section format.

The SDS includes information such as the properties of each chemical; the physical, health, and environmental health hazards; protective measures; and safety precautions for handling, storing, and transporting the chemical. The information contained in the SDS must be in English (although it may be in other languages as well).

Sections 1 through 8 contain general information about the chemical, identification, hazards, composition, safe handling practices, and emergency control measures (e.g., fire fighting). This information should be helpful to those that need to get the information quickly. Sections 9 through 11 and 16 contain other technical and scientific information, such as physical and chemical properties, stability and reactivity information, toxicological information, exposure control information, and other information including the date of preparation or last revision. The SDS must also state that no applicable information was found when the preparer does not find relevant information for any required element.

The SDS must also contain Sections 12 through 15, to be consistent with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS), but OSHA will not enforce the content of these sections because they concern matters handled by other agencies.

In case you didn't know, the Department of Transportation (DOT), Environmental Protection Agency (EPA), and the Consumer Product Safety Commission (CPSC) were actively involved in developing the GHS. DOT has already modified their requirements for classification and labeling to make it consistent with international UN transport requirements and the GHS.

So when people ask you what you do during the winter,

explain the new labeling system and how you need to train your staff for the coming year. They will never ask you again.

*Information for this article was taken from OSHA's website. If you need more information, please visit [osha.gov](http://osha.gov)*

*The pictograms can be found at [www.osha.gov/dsg/hazcom/pictograms](http://www.osha.gov/dsg/hazcom/pictograms) and downloaded in many different formats (opposite page). ©*

**Section 1, Identification includes product identifier; manufacturer or distributor name, address, phone number; emergency phone number; recommended use; restrictions on use.**

**Section 2, Hazard(s) identification includes all hazards regarding the chemical; required label elements.**

**Section 3, Composition/information on ingredients includes information on chemical ingredients; trade secret claims.**

**Section 4, First-aid measures includes important symptoms/effects, acute, delayed; required treatment.**

**Section 5, Fire-fighting measures lists suitable extinguishing techniques, equipment; chemical hazards from fire.**

**Section 6, Accidental release measures lists emergency procedures; protective equipment; proper methods of containment and cleanup.**

**Section 7, Handling and storage lists precautions for safe handling and storage, including incompatibilities.**

**Section 8, Exposure controls/personal protection lists OSHA's Permissible Exposure Limits (PELs); Threshold Limit Values (TLVs); appropriate engineering controls; personal protective equipment (PPE).**

**Section 9, Physical and chemical properties lists the chemical's characteristics.**

**Section 10, Stability and reactivity lists chemical stability and possibility of hazardous reactions.**

**Section 11, Toxicological information includes routes of exposure; related symptoms, acute and chronic effects; numerical measures of toxicity.**

**Section 12, Ecological information**

**Section 13, Disposal considerations**

**Section 14, Transport information**

**Section 15, Regulatory information**

**Section 16, Other information, includes the date of preparation or last revision.**

*All SDSs will use this 16 section format to describe any hazardous chemical in the workplace.*



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Acute Toxicity  
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(Non-Mandatory)



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**GAS CYLINDER**  
Gases Under Pressure



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# #BullSheet



NOVEMBER 2013

## Dates to Remember

**November 5** – Member registration opens for the 2014 Golf Industry Show in Orlando, FL.

**November 7** – CAGCS Annual Meeting at Oak Park Country Club, Al Fierst host.

**November 14** – 61st Annual Midwest Turf Clinic at Medinah Country Club in Medinah, IL, Curtis Tyrrell, CGCS, MG host.

**November 30** – Deadline for nominations for the 2013 TurfNet Superintendent of the Year Award presented by Syngenta.

**December 1** – Deadline to complete staff training for compliance with OSHA's revised Hazard Communication Standard.

**December 2** – Annual South Side Superintendents Holiday Party at the Bier Stube in Frankfort, IL.

**December 3-5** – Ohio Turfgrass Foundation Conference and Show at the Greater Columbus Convention Center in Columbus, OH.

**December 3-6** – 2013 Golfdom Summit in Orlando, FL.

**December 5** – Annual West Side Superintendents Holiday Party at Seven Bridges Golf Club, Don Ferreri and Dave Gelino hosts.

**December 6** - Deadline for early bird discounts (room rate too) for ITF's Turf Conference January 7-8

**December 9-12** – Syngenta Business Institute in Winston-Salem, NC.

**December 10-11** – Wisconsin Turfgrass Symposium at the American Club in Kohler, WI.

**January 7-8** – ITF's Turf Conference 2014 at the Hyatt Lodge in Oak Brook, IL.

**January 22** – 5th Annual MAGCS/Wee One January Fundraiser at Seven Bridges Golf Club, Don Ferreri and Dave Gelino hosts.

**February 1-6** – 2014 Golf Industry Show in Orlando, FL.

You only have a few days left to nominate someone (or yourself) for TurfNet's 2013 Superintendent of the Year Award presented by Syngenta. November 30th is the deadline to submit your nomination for someone who has consistently produced great playing conditions during times of extreme adversity. The criteria on which nominees are judged include labor management, maximizing budget limitations, educating and advancing the careers of colleagues and assistants, negotiating with government agencies, preparing for tournaments under unusual circumstances, service to golf clientele, upgrading or renovating the course and dealing with extreme or emergency conditions. To nominate someone, go to [www.turfnet.com](http://www.turfnet.com) and click on the 2013 Nominations page. Past MAGCS winners are **Paul Voykin** in 2003 and **Sam MacKenzie**, CGCS in 2008.

Why is **Andy Weadge** smiling like this? Because he and Wendy welcomed their second child into the world on September 21st. Logan Andrew—pictured with his brother Parker Batman—was born at 7:50 AM, weighing in at a healthy 9 lbs., 10 ozs., and 20" long.



The 61st Annual Midwest Turf Clinic is right around the corner, and an all-star lineup of speakers is waiting to educate and entertain us, including Keynote speaker and Chicago Blackhawks play-by-play man Pat Foley. Aside from the education, there is some business to attend to during the MAGCS Annual Meeting, including our election of the board for 2014. The slate of candidates is as follows: For President **Dave Kohley**; For Vice President **Chuck**

*"Wendy! Diaper's full!"*

**Barber**; For Secretary Treasurer **Matt Harstad** and **Matt Kregel**; For Director: **Jim Pedersen**, **Jeff Hoste** (with one of the aforementioned Matts to fill the third spot); Directors **Kris Kvelland** and **Justin VanLanduit** have one more year remaining on their terms; **Dave Groelle**, **CGCS** will move to Past President; and **Bob Kohlstedt** can breathe easy, as his board service is completed. Don't forget we will be collecting Toys For Tots this year, so please bring an unwrapped new toy or plan on making a cash donation to this worthy cause that helps make underprivileged kids' Christmases a little brighter. Anyone who makes a donation will have a chance to win a Kindle FireHD. Hope to see you there.

In keeping in the spirit of giving over the holidays, plan to attend the 5th Annual MAGCS Wee One Fundraiser on the 22nd of January at Seven Bridges Golf Club. The morning session will feature Dr. Thom Nikolai from Michigan State University, followed up with lunch and then the auctions and raffles and poker games that this event has come to be known for. Through events like this, the Wee One Foundation has gifted over \$700,000 to those in our industry who have needed help. Another way to help is to pledge your support through the "One For The Wee One Endowment," a simple giving program whereby you pledge to donate a total of one percent of your salary over the next ten years (a tenth of one percent each year, so if, for example, you earn \$100,000, you would pledge \$100 per year for the next ten years). Pretty simple, and a great cause. To participate, call or email Luke Cella.

December 1 is the deadline for you to complete staff training for compliance with OSHA's revised Hazard Communication Standard, which has been in place since 1983 but has been revised to align with the Globally Harmonized System of Classification and Labeling of Chemicals. The new system is designed to provide a common and coherent approach to classifying chemicals and communicating hazard information on labels and Safety Data Sheets (formerly MSDS's). Go to [www.osha.gov](http://www.osha.gov) and try and figure it out, or just read Luke's article in this issue.

Deere & Company announced last month its intention to establish John Deere Landscapes as a new, freestanding enterprise owned jointly by Deere and Clayton, Dubliner, and Rice (CD&R), a highly respected investment firm. The leadership team will remain in place, and it will essentially be "business as usual" for JDL, with all the same products and services as before.

Illinois Turfgrass Foundation (ITF) is happy to announce its second annual Turfgrass Conference to be held at the Hyatt Lodge in Oak Brook on January 7<sup>th</sup> and 8<sup>th</sup>. The education and networking affair will feature concurrent sessions covering Golf, Sports Turf, Lawncare and General Turf with esteemed educators from across the country, including the University of Illinois, Michigan State, Clemson, Virginia Tech, Wisconsin and Iowa State. Go to [www.iturf.org](http://www.iturf.org) to register. Early bird registration ends December 6, do it before then and save a few dollars.

It was with great sadness that we learned of the passing of

Dr. Joe Duich, perhaps the greatest single contributor to the turfgrass industry ever. Dr. Duich, whose career spanned 35 years at Penn State University teaching countless future superintendents in his own creation—the two-year turf management program—and breeding and developing many turfgrass varieties we all use, passed away on October 11th at the age of 85. It was back in 1954 that Dr. Joe and Burt Musser developed the iconic Penncross creeping bentgrass, once the most widely used bentgrass on golf courses around the world. If it had a Penn in its name, it was probably developed by Dr. Duich. He was a great educator, scientist, writer, and he will certainly be missed by all who benefited from his haughty accomplishments.



*Rest in peace, Dr. Joe Duich.*

Our industry lost a couple other of its legends recently, as well. Dr. James Watson, who spent 46 years at the Toro Company and spearheaded significant turf and water management research, and Charles G. Wilson, who pioneered the USGA Green Section, both passed away in September. The golf world will miss them.

Q: What does the board of directors at **Kurt Galisdorfer's** club say when they sign up new members?

A: The Exmoor the merrier.

If you play golf like I do (badly), maybe you should stay away from Lakeridge Golf Course in Reno, Nevada. In September, a man pleaded guilty to a felony charge for shooting a golfer with a shotgun after the golfer's errant ball broke a window in his home. The golfer was in the process of taking a drop after he couldn't find his ball when the homeowner came out and shot him. Luckily only two pellets hit him, making the homeowner not only bats#\*t crazy, but a really bad shot to boot.

Wednesday, October 9th was a busy day for the MAGCS golfing contingent. **Greg Rounds** and Sunset Ridge Country Club hosted the annual University of Illinois Turf Alumni Golf Outing, an event that has been around for over 20 years. Twenty-six players enjoyed Greg's golf course on a brisk but sunny day, which was in terrific condition and was a great venue for the event. Thanks to Greg for hosting, and to the numerous U of I alums who contributed to the event.



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*Rick Wilson  
Connor Healy  
Greg Rounds  
Kris Kvelland*



*Kevin Barto  
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*Mike Paciga  
Eric Reed  
Justin VanLanduit*



*Brian Kalal  
Randy Wahler, CGCS  
John Anderson  
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*The very experienced foursome of John Lebedevs, Jan Jarvis, Steve Stewart and Paul Carlson anchored the Fox Valley Golf League team*

The American Society of Golf Course Architects (ASGCA) has named its second annual Design Excellence Recognition Program recipients, and among the twelve was Butterfield Country Club (Mike Vercautren superintendent) for its extensive renovation designed by Steve Meyers. The project corrected significant drainage and infrastructure problems on the 85-year-old course, including bank erosion and new county-mandated watershed management requirements. The program shines a light on the innovation and problem-solving skills required of today's golf course designs, whether a "small" bunker renovation, or a full-scale 18-hole layout. Congratulations to Butterfield CC on this honor.

## MIDWEST Doppelgänger



You know that Australian golfer guy Marc Leishman? Exactly! Nobody does! That's because he only spends half his time golfing. The other half he's selling big iron for J.W. Turf under the alias of Travis Dykstra.

Nice to hear the PGA Tour is keeping the good stuff in mind. It has renewed its support of the Environmental Institute for Golf (EIFG) with a \$100,000 donation. In addition, Cal Roth, PGA Tour senior vice president of agronomy and 34-year GCSAA member has been named to the EIFG Board of Trustees. Hmmm.

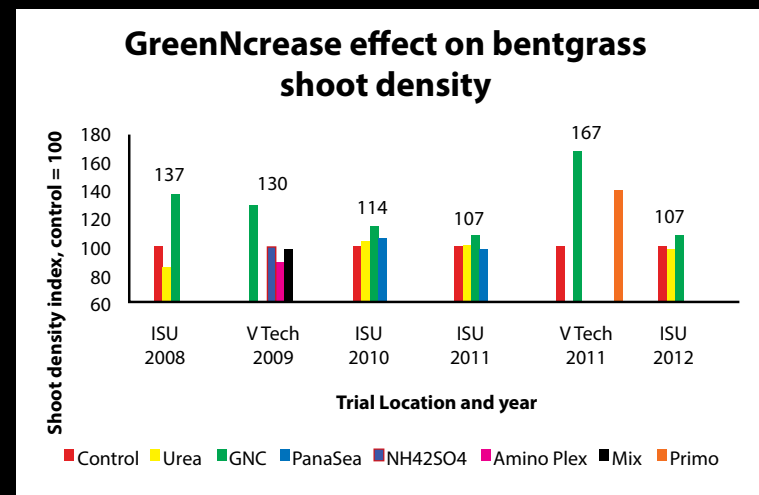
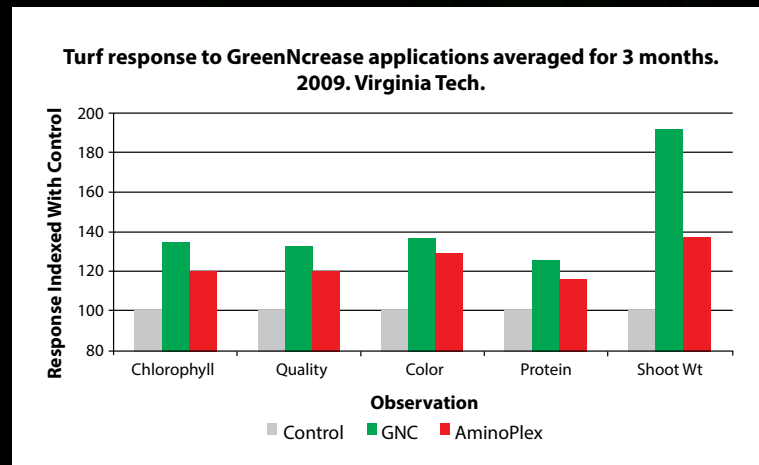
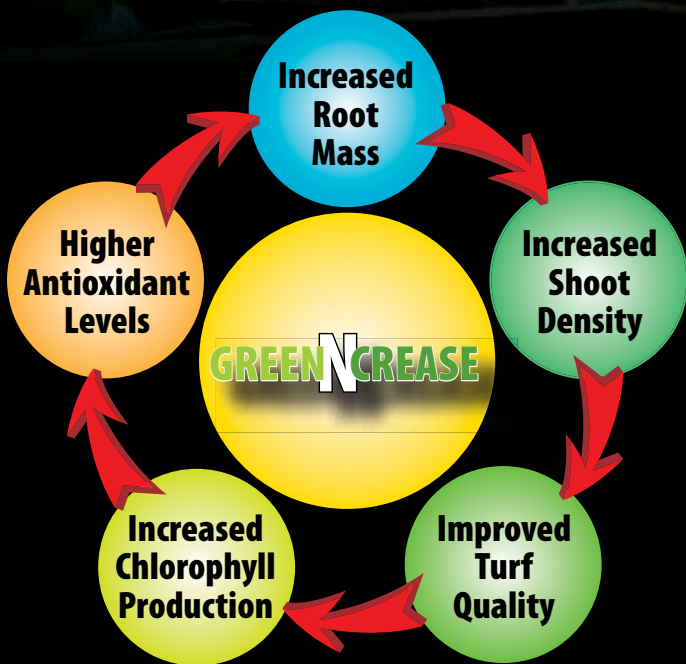
At Naperville Country Club the Fox Valley Golf League faced off against its offshoot rival the Happy Hour league for the 3rd (or 4th—nobody seems to remember) Annual Cheryl Cup extravaganza, and once again, the old league walked away with the trophy. Thanks to **Tim Anderson** and **Steven Biehl** for their bravery in allowing this cheap, tawdry event to be contested on their very nice and way-too-good-for-us golf course.

The October MAGCS meeting was held on the 7th at Chicago Highlands Club in Westchester, IL, with **Michael Heustis** hosting. Dr. Rob Golembiewski of Bayer Environmental Science started the day with a great education presentation on "Maximizing Turf Disease Control," interspersing valuable life lessons throughout his talk. Lesson #1: Always let your boss speak first." Lesson #2: If you're going to be sitting around doing nothing, make sure you're sitting high up." And Lesson #3: Bulls%#t might get you to the top, but it won't keep you



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Continued from page 18

there.” All three worth remembering! It was on to the golf course with our box lunches after that, and what a FUN golf course to play! Conditions were exceptional, the weather was perfect, and a whole lotta fun was had with the Ryder Cup format of two-man teams playing six holes of alternate shot, 6 best ball, and 6 scramble. It was just a great day to be at a really special venue. Thanks to Michael and his crew and all the folks at Chicago Highlands, to Nadler Golf for the extra golf cars for the day, and to our generous sponsors: **Arthur Clesen, Inc., BASF, Burris Equipment Company, JW Turf, Nels J. Johnson Tree Experts, Reinders, Inc., Syngenta Professional Products, and Water Well Solutions** (pictured on opposite page)

The MAGCS bloggers have been busy as usual, with **Shane Conroy** (Park Ridge CC) showing up multiple times on TurfNet’s Blog Aggregator describing various projects underway at his course, including a practice tee expansion and some cart path work; while **Tim Christians** at Makray Memorial chimed in on the emerald ash borer, and the marking of all ash trees on his property with yellow ribbons to demonstrate just how many trees might be lost and what his plan is moving forward for their replacement. In the September Golfdom magazine, writers Seth Jones, Chris Lewis, and Steven Tingle sat down with several veteran superintendents from across the country with over 250 years of combined experience in the industry to discuss their careers, the future of the business and their advice for today’s superintendents. Among these renowned icons was **Mike Bavier, CGCS**, retired superintendent from Inverness Golf Club, and past MAGCS and GCSAA President. And in the September 26th edition of TurfNet News, **Scott Witte, CGCS** and Cantigny Golf Club were featured for their Bee Barometer Project that has spanned the ocean to include a school in Ghana (see the August Bull Sheet for that story). Scott’s passion for bees not only provides a revenue stream at Cantigny through the sale of honey and wax products which keeps his beekeeping project self-sustaining, it also could provide a barometer of the overall health of the environment. Scott feels that world-class golf conditions can coexist with honeybees if both are managed correctly.



The agenda and official notice of the 2014 Annual Meeting at the Golf Industry Show in Orlando are now available online at [www.gcsaa.org](http://www.gcsaa.org). The meeting will take place on Thursday, Feb. 6.

From **Dan Dinelli, CGCS**, who recently participated in GCSAA’s Government Relations quarterly meeting, as diligently as GCSAA and others are trying to keep methyl bromide’s use for turf on the label (until stock is exhausted), it is not looking rosy. The deadline has not been met yet, but it is looming at year’s

end. Also, the water issue was discussed at length—an issue of highest urgency for all of us, because although we here are fortunate to have the supply of fresh water that we have, it is just a matter of time before we will be pulled in to this as well, which will include mandates to reduce usage by 20% as is common in other parts of the country. FYI, Dr. Bruce Branham and ITF is at work on establishing a Best Management Practices (BMP) document for Illinois which will address this and other important issues facing the golf industry. Thank you Dan for this update. @

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**MAGCS October Meeting  
Chicago Highlands Club**

2 Man Team Championship  
 Gross: 1st David Kohley & Luke Cella 68  
 2nd Greg Coyne & Todd Zimmerman 74  
 3rd Matt Baumgartner & Dave Nadler 75  
 4th Ed Fischer & Bob Kronn, Sr. 75  
 Net: Rob Golembieski & Josh Cull 49  
 Paul Carlson & Steve Poole 50  
 Jeff Cameron & Jim Canning 51  
 Scot Spier & Scott Hillyard 52

Congratulations to all winners! Thanks to Michael and everyone at Chicago Highlands for a great day, and to the day's sponsors who made it all possible: Arthur Clesen, Inc., BASF, Burris Equipment Company, J.W. Turf, Inc., Nels J. Johnson Tree Experts, Inc., Reinders, Syngenta, & Water Well Solutions.





# Chapter Delegates Focus on the Future

Luke Cella, MAGCS & GCSAA Staff

The annual GCSAA Chapter Delegates Meeting (Oct. 1-2) took on a decidedly different appearance this year, as the focus was not so much on the current state of affairs, but more on the future of the association and the profession.

## GCSAA Chapter Delegates Focus on the Future

The annual GCSAA Chapter Delegates Meeting (Oct. 1-2) took on a decidedly different appearance this year, as the focus was not so much on the current state of affairs, but more on the future of the association and the profession. Don Ferreri attended as the MAGCS and CAGCS chapter delegate.

Upon his return, Don stated, "I have never felt in better hands as a GCSAA Class A member. The work we have achieved in the past five years to enhance our role and value as the most influential position at the facility has become a reality. We have a lot of very talented people working diligently on our behalf."

"We were intent on getting feedback on what the profession would look like in the future, targeting the range of 2020 to 2025," GCSAA President Patrick R. Finlen, CGCS, said. "It became obvious to the board through our discussions with those in the golf industry, including members, that the profession is experiencing rapid change. Superintendents are being asked to do more, and the tools and resources we use to do that job are changing. Just look at what is happening with technology. The game of golf may not be changing much, but how we manage it is."

## Peering into the Crystal Ball

To begin the process, attendees were shown a video featuring GCSAA members representing different membership classes, years of service, ownership structure and budget size. They were then asked to offer their thoughts on what the future would

entail for members and how GCSAA might be of assistance.

Extensive time was also spent in breakout sessions, addressing the following questions:



*The crystal ball is supposed to help people with clairvoyance, but be careful where you store it, they've been known to start fires in direct sunlight.*

Would it be advantageous for GCSAA to simplify/narrow membership classes?

Should GCSAA enhance Class A standards?

What would motivate a member to achieve Class A status?

If changes are to be made, how quickly should implementation occur?

"We weren't looking for the delegates to construct how we get to the future, rather we asked them what the profession



would require in terms of competencies," Finlen said. "With that feedback, we can then set in motion the plans for how GCSAA can best help members achieve future success."

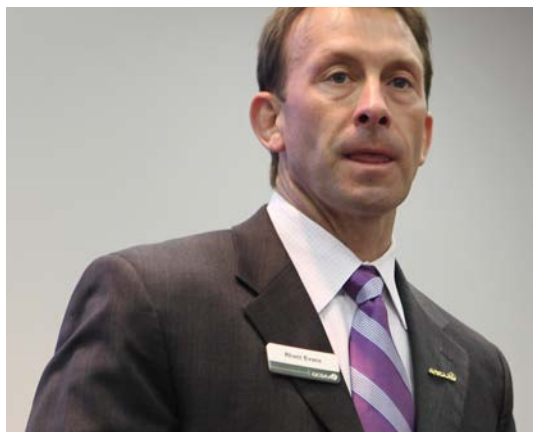
According to Finlen, the delegates were strongly in support of the need to more narrowly define membership classes and enhance standards. However, opinions varied as to what the standards would look like and the timeline for implementing them. He said the next step would be for the board to engage GCSAA members and others outside the membership in the coming months to get a greater diversity of input.

First-year Peaks and Prairies GCSA delegate Dan Tolson, Class A member at 3 Creek Ranch Golf Club in Jackson Hole (Wyo.), found his experience to be thought-provoking. "I really did not know what to expect, but it was an eye-opener for me just to sit and listen to people talk about the issues and how members are impacted," he said. "It will be interesting to go back to my chapter and hear what the members have to say. I was impressed by the deep thought the delegates put into the questions."

### State of the Association

Finlen and GCSAA Chief Executive Officer Rhett Evans briefed delegates on various programs and services, noting the 2014 GCSAA business plan would continue to focus on the following priorities:

- Enhance technology to allow GCSAA to better serve members and provide them with tools that provide on-course solutions
- Complete the implementation of the field staff program and the extension of member services to regions/chapters
- Dedicate additional resources to advocating on behalf of members to golfers, employers and policymakers
- Enhance education programming and evaluate membership classifications to remain relevant in the marketplace
- Explore means to increase revenues through traditional and non-traditional sources
- Continue to be prudent in exploring and implementing



GCSAA CEO Rhett Evans listens to a question from the audience.

programs and services that expand GCSAA's contribution to growing the game worldwide

"This was a great meeting," said Metropolitan GCSA delegate and Class A member Bob Nielsen, CGCS at Bedford (N.Y.) Golf and Tennis Club. "This is my ninth delegates meeting, and I really sensed optimism and a clear vision for the future. The work done in the past is having an impact. Superintendents have respect and are at the table. Now we have to figure out how we build on that momentum for the future."

### Not Business as Usual

For the first time since 1999, the entire function was conducted in Lawrence, Kansas, with the majority of the time spent at the association's headquarters. It was also held on successive weekdays for the first time instead of following the traditional weekend schedule. While a post-event survey is being conducted, a straw poll indicated the new format was preferred by the majority of those in attendance (83 delegates representing 87 chapters).

Delegates also had the opportunity to hear from those members running for national office and to participate in small breakout sessions to learn more about candidate platforms and philosophies. The slate of candidates includes:

For President:

- Keith A. Ihms, CGCS, Country Club of Little Rock (Ark.)

For Vice President:

- John J. O'Keefe, CGCS, Preakness Hills Country Club, Wayne, N.J.

For Secretary/Treasurer:

- Peter J. Grass, CGCS, Hilands Golf Club, Billings, Mont.
- Bill H. Maynard, CGCS, Country Club of St. Albans (Mo.)

For Director:

- Rafael Barajas, CGCS, Hacienda Golf Club, LaHabra Heights, Calif.
- Mark F. Jordan, CGCS, Westfield Group Country Club, Westfield Center, Ohio
- John Walker, Bentwater Country Club, Montgomery, Texas

### Update Your Voting Status

Don Ferreri will update the MAGCS on these outcomes and also discuss the election for the GCSAA at the Midwest Turf Clinic and follow up at the Midwest January Meeting. Now is the time to check your voting status with GCSAA, some of you may vote independently and may not be aware of this. If you'd like to change how you vote, and cast your vote with MAGCS, contact Don or Luke Cella and they will make it happen. [@](#)



Charles Anfield, CGCS, *Heritage Bluffs Golf Course*

# Maximizing Turf Disease Control

The Midwest members met on a warm and sunny October day for education and golf at the impeccably maintained, Arthur Hills designed Chicago Highlands, hosted by Michael Huestis and his staff.

Dr. Rob Golembiewski from the Bayer Green Solutions Team made his presentation on “Maximizing Turf Disease Control.” Plant health is an ambiguous term that has been used freely in the turf industry, but has not been clearly defined. Dr. Rob had a couple of definitions:

1. Optimal plant growth and development in the presence / absence of abiotic and biotic stress.
2. Environmental conditions are balanced with management inputs to meet expectations of golfers.



*Turfgrass breeding programs are making improvement in dollar spot resistance.*

He explained, “superintendents are at the core of plant health”.

Weather patterns have a huge influence on plant health anywhere. Root growth of bentgrass and *Poa annua* respond differently to soil temperature ranges and soil moisture. Random large rainfall events can significantly modify conditions in a hurry.



Disease can become an issue year round. Disease calendars, models and programs can become useful to pinpoint the mostly likely conditions that will favor a specific disease on a specific turf type. The disease triangle model factors in relationships and requirements between the host, pathogen and environment.

Disease control can be achieved through:


1. Genetics: “We have come a long way in genetic breeding over the last 25 years.” Some varieties are being bred to be drought tolerant. Other breeding programs are making improvements in dollar spot and gray leaf spot resistance.



*Other breeding programs are focused on drought tolerance, reducing the need for water inputs.*




2. Biologicals: "As a stand-alone product we are not there yet. Most people will combine the biological applications with low rates of fungicides."
3. Cultural Methods: These would include mowing, dew removal, topdressing, etc. This is probably the area of disease control where Superintendents have the most influence. Inputs of Nitrogen will decrease dollar spot disease pressure. Spoon-feeding applications using an ammonium Nitrogen source provides the best results to reduce disease severity. Low mowing heights have proven to increase turf to disease susceptibility. Decreased photosynthetic ability of having less leaf area decreases overall plant health. Dew removal by dragging or rolling to displace moisture and reduce leaf wetness duration has proven to decrease disease incidence. Research conducted by Dr. Rob while at Oregon State University (GO BEAVERS!) demonstrated that by substituting rolling instead of mowing on Poa annua greens, plant health increased without loss of green speed. Some diseases are enhanced by compaction and low soil moisture. Aerification and judicious irrigation will be useful tools to influence and maintain plant health.
4. Chemical Control: Different growth regulators can be combined for synergistic activity to enhance plant growth. Certain products applied for certain diseases create disease resistance over time. Nozzle types can optimize coverage and improve fungicide performance. Fan type nozzles work best for foliar diseases. Increase water volume for stem base and crown diseases. For root borne diseases water in product immediately.

Suffice to say, plant health is critical to providing excellent playing conditions. That's us. We are the "keepers" of the green and it is our job to educate ourselves, use science and research in the attempt to do everything better and more efficient. That's the progression that any profession needs to get stronger. For the game of golf, it's all about the turf. 

For further information contact [robgolembiewski@bayer.com](mailto:robgolembiewski@bayer.com) or [john.turner@bayer.com](mailto:john.turner@bayer.com)

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Charles Anfield, CGCS, *Heritage Bluffs Golf Course*

## What Worked for You?

Every golf season is a little different than the last. There are new technologies to try, new techniques to implement and new tools available to try to improve overall turfgrass performance. Of course, the weather and rainfall events are different everywhere, every year.

The weather down the street can be much different than at your golf course. Everybody is looking for an “edge” to help their turf get through the season. I queried a number of our MAGCS Members about what worked and what didn’t work for them at their golf courses.

Bob Kohlstedt: Fox Bend Golf Course “Prime Turf Renew Acid worked really well for us. We have salts in our irrigation supply water that bind up the nutrients. It has a penetrant that helps push water through the soil profile. It has really helped reduce our localized dry spots. We inject it through the irrigation system. What didn’t work so well was using 5/8” tines to remove cores on the greens. The holes didn’t heal in as well I expected and this slowed down the recovery time.”

Andy Weadge: Morris Country Club “We did a lot of tree and brush removal work on our tree lines. This really helped with our air movement and improved some of the turf quality in some of our more challenging microclimates. Our insecticide application for grubs didn’t work so well.”

Jeff Hoste: Village Greens of Woodridge “Optimizer worked good for us this year. Our insecticide application was not effective.”

John Gurke, CGCS: Aurora Country Club “ Clipper pond herbicide worked great in our ponds! In retrospect what didn’t work great was I should have cut down our emerald ash borer infested trees last winter. They died during the season and looked terrible.”

Chuck Barber: St. Charles Country Club “Cutless worked great for us. I liked the response we got on our turf. I tried some

of the new chemistry, disease control products and wasn’t impressed.”



*Some applications for grub control missed the mark this year.*

Todd Schmitz: Phillips Park Golf Course “I sprayed an insecticide on the fairways that worked well. I was surprised that the granular application I made in the rough did not work as well.

Dave Ward: Coyote Run Golf Course “Everything worked, it was an easy year. In particular, the bio-solids worked well on our fairways and rough. We reduced mowing on our greens and didn’t see any loss of green speed. Secure fungicide worked great!”

Doug Davis: Flag Creek Golf Course “We saved a lot of time with our new Salsco Roll n Go. There is no trailer, so no slow



down with unloading and loading machine. Our grub control applications did not work as well as I would have hoped.”

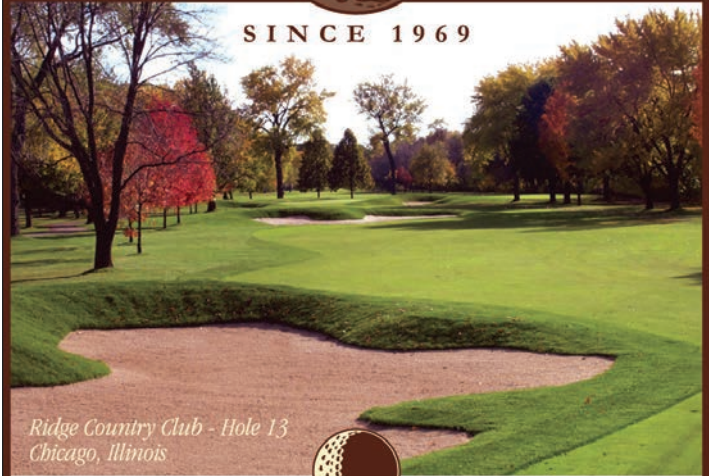
Chuck Anfield, CGCS: Heritage Bluffs Public Golf Club “Our Toro Procore 648 worked great to go out once a month with 3/8” solid tines. Our root development on our greens during the summer has never been better. I too, was a little disappointed in our grub control. I spoke with Dr. Rob Golembiewski (Bayer Turf Solution Team) at the October MAGCS Meeting about this. He indicated these grub control products need a lot of water (minimum .5”) immediately or soon after the application to get the product into the soil. Anything less and the product will “hang up” in the thatch. 

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