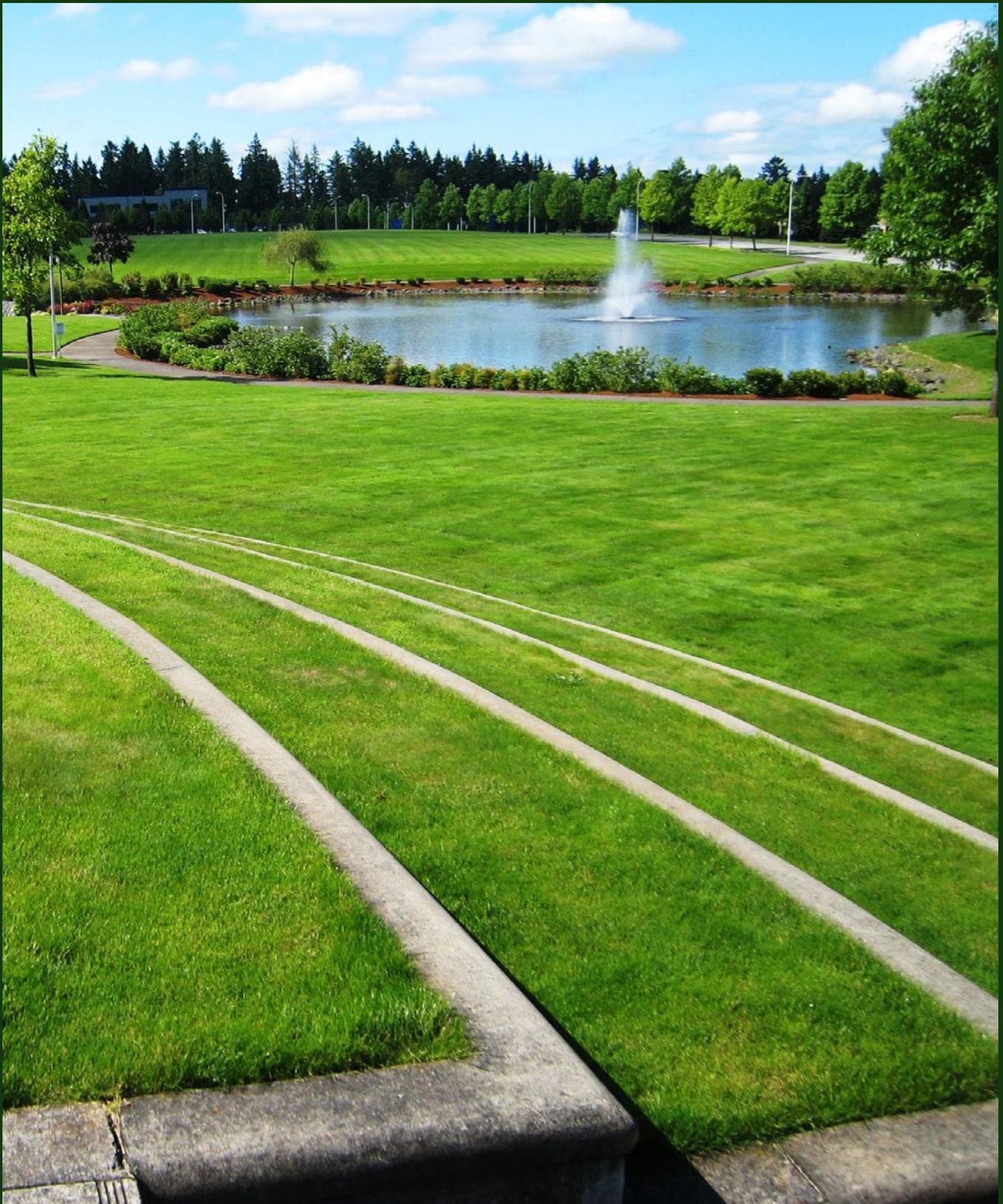


On the Grow

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Opportunity

The 2016 IPLCA Board of Directors is currently seeking individuals who would be eager to serve the association and fill three open seats on the Board.

Interested individuals should contact the Iowa Turfgrass office at (515) 635 - 0306 or email the Chapter Executive Officer, Randy Robinson, at randy@iowaturfgrass.org.

Ground Ivy Control

Isaac Mertz, Iowa State University

Editor's Note: This article was originally posted to ISU's Extension and Outreach Turfgrass Blog.
<http://www.extension.iastate.edu/turfgrass/blog/isaac-mertz/ground-ivy-control>

Objectives:

The objectives of this experiment were to 1) evaluate 3 different herbicides for their ability to control creeping charlie/ground ivy and 2) determine whether that ability could be improved through tank mixing with an additional herbicide from a different chemical class labeled for ground ivy control.

Materials and Methods:

Ground ivy (*Glechoma hederacea*) samples taken from a residential landscape were transplanted into standard 5" diameter pots in a greenhouse and allowed to reestablish for seven days before being treated. The 5" diameter pots were filled with a standard potting soil mix which provided the plants with an optimal growing environment.

Treatments (Table 1) included an untreated control, triclopyr, tenacity, pylex, triclopyr + tenacity, and triclopyr + pylex. Treatments were applied foliarly using a hand-sprayer. Plants were irrigated prior to treatment, with all additional irrigation being withheld until 24-hours post treatment.

Table 1: Treatment and Rate Information

Treatment:	Product:	Rate:
1	Untreated Control	-
2	Triclopyr	1 fl oz / gal / 200 ft ²
3	Tenacity	4.93 mL / 2 gal / 1,000 ft ²
4	Pylex	1 mL / gal / 1,000 ft ²
5	Triclopyr + Tenacity	1 fl oz / gal + 2.47 mL / gal
6	Triclopyr + Pylex	1 fl oz / gal + .7 mL / gal



Image 1: Non-treated Ground Ivy



Image 2: Ground Ivy 10 days after treatment 2



Image 3: Ground Ivy 10 days after treatment 3



Image 4: Ground Ivy 10 days after treatment 4



Image 5: Ground Ivy 10 days after treatment 5



Image 6: Ground Ivy 10 days after treatment 6

Conclusion / Discussion:

When looking at the above images, it is easy to see the effect these chemicals have on the plant. Tenacity and pylex (trt's 3 & 4) are both class 27 herbicides (pigment inhibitors). These chemicals are known for their ability to inhibit chlorophyll production, resulting in a bleached/white appearance on the leaves. It is important to note however, that the bleached appearance just means that the plant is affected by the chemical, and does not always guarantee control. In contrast to this, triclopyr, a class 4 herbicide, is known for its plant growth regulating activity. This is evident in the 10-d post treatment photo for treatment 2 above.

According to the label for both pylex and tenacity, these chemicals can be tank mixed with an additional broadleaf herbicide, such as triclopyr. That was the driving force for this experiment. When reading the label however, it is unclear whether this tank mixture will increase in its effectiveness in controlling hard to kill weeds such as ground ivy. What is clear when reading the label, is that when applied in a mixture, the effect of class 27 herbicides on plants can be altered in the form of less bleaching occurring.

This effect is evident in the pictures above, where the samples in images 3 and 4 showing signs of complete leaf bleaching (whole leaves turning white), whereas the samples in images 5 and 6 still show signs of bleaching, but a consistent pale green color still remains.

Depending on who you talk to, the bleaching of plant leaves as a result of application may or may not be a favorable trait. To some, it is viewed as an indicator of progression, and that the chemical is working. Others may view it as a side-effect that could be deemed esthetically displeasing. For those that fall into this category, tank mixing with an additional broadleaf herbicide may be a way to remedy this.

While it is hard to say at this point in time, it does appear that the triclopyr addition to the tank mixtures is beneficial. While there is less bleaching occurring on an individual leaf basis, a larger number/bigger surface area of the treatment 5 & 6 pots appear to be affected compared to the treatment 3 & 4 pots, respectively. I will continue to let these samples persist in the greenhouse, and hopefully we will have a more definite answer down the road.

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35th ITI Benefit Golf Tournament

THUR
Sept 22 2016



Elmcrest Country Club

1 Zach Johnson Dr NE

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Registration Begins at 10:00 AM

Shotgun Starts at 11:00 AM

Dinner and Prizes to Follow

\$125

Per Player

\$500

Per Team

Deadline to Sign Up:

September 16, 2016

To Register:

<http://www.iowaturfgrass.org/events.htm>

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All proceeds benefit turfgrass education and research in Iowa!



Special thanks to Colby Marriott and NB Golf Cars for donating extra carts for the event!



2016 Champions (L to R): Brady Carpenter, Glenn Robinson, Conner Perry, and Tyler Rabey.



Chapter Executive Director Randy Robinson attempts a putt during the round.



Attendees gather at the reception following the event.

Field Day Classic Results

First Flight winners

1st - 59 (13-under)

Tyler Rabey, *Ballard Golf & Country Club*
 Brady Carpenter, *Ballard Golf & Country Club*
 Conner Perry, *Ballard Golf & Country Club*
 Glenn Robinson, *Ballard Golf & Country Club*

2nd - 61 (11-under)

Ross Huff, *D & K Products*
 Corby Peterson, *Bos Landen Golf Club*
 Alex Olsen, *Grinnell Golf & Country Club*
 Connor McKay, *Grinnell Golf & Country Club*

Second Flight winners

1st - 64 (8-under)

Rob Lindsay, *Coldwater Golf Links*
 John Newton, *CGCS Veenker Memorial*
 Brian Fell
 David Wallace

2nd - 64 (8-under)

Kevin James, *City of Urbandale*
 Kevin Shawgo, *City of Ames*
 Joshua Thompson, *City of Ames*
 Chad Milang, *City of Urbandale*

TURFGRASS FIELD DAY

By: Dr. Adam Thoms

The 2016 ISU Turf Field Day is in the books, and attendees enjoyed perfect weather, informative talks, and great food. Speakers covered topics including: pollinators, athletic field safety, irrigation audits, putting green organic matter management, how to prune trees on a golf course, weed control for ground ivy, just to name a few topics. The group also participated in the popular and informative weed, disease, and insect walk, and finished with lunch and a trade show with exhibitors. Exhibitors provided demonstrations and answered questions after lunch. We look forward to a bigger field day next year with many new projects being underway!



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THOMAS RETURNS HOME



By: Shawn Fopma

Dr. Adam Thoms joined the Iowa State University Horticulture Department on July 1, 2016, as the new Turfgrass Extension Specialist. Adam is familiar with Iowa being a native of Waverly and a 2006 graduate of Iowa State University with a Bachelor's of Science degree in Horticulture with the Turfgrass Management option. In high school, Adam worked for a local greenhouse and landscaping company in Waverly. While at Iowa State, Adam worked on the Iowa State Athletic Department's grounds crew under the direction of Mike Andresen, CSFM. He was active in turf club and participated in the STMA student challenges.

After graduation, Adam moved to Knoxville, Tennessee to attend graduate school, earning his M.S. and Ph.D. degrees from the University of Tennessee under the direction of Dr. John Sorochan. His Master's work focused on investigating

Crabgrass is Everywhere

Dr. Adam Thoms, Iowa State University

Editor's Note: This article was originally posted to ISU's Extension and Outreach Turfgrass Blog. <http://www.extension.iastate.edu/turfgrass/blog/adam-w-thoms/crabgrass-everywhere>

Many people have been calling and emailing us the past couple of weeks with questions over crabgrass (*Digitaria* spp.). If you have a light yellow green grass with wider blades than the rest of the turf, that seems to be growing at a much quicker pace than other parts of your yard, you more than likely have crabgrass.



Crabgrass beginning to produce seeds.



Crabgrass quickly moves into areas where turf has been lost.

These plants germinated in the spring, but you didn't notice them until recently probably. The good news is this grass is a summer annual and the growth will soon slow with the cooler temperatures and the plant will die after a killing frost. If a seed head forms on crabgrass, it can produce thousands of seeds on each plant, so your problem is already started for the next year.

If you have crabgrass you have a few options:

- 1) Since it is so late in the year it is best to just let the cool temperatures remove the crabgrass for you.
- 2) Chemical controls exist, but at this stage in the plants development you will need to apply a couple of applications and it still may not kill the plant.
- 3) Preemergence herbicides don't help once the crabgrass has emerged.



Tips for preventing crabgrass:

- 1) Fertilize your existing turf this fall. A healthy turf stand will have less weeds due to a more uniform canopy with few openings for crabgrass to move into.
- 2) Seed thin spots in the next couple of weeks to help thicken the turfgrass you want.
- 3) Maintain turf at 3-4" height of cut. Taller turfgrass stands tend to have less weed pressure since the leaves shade out the germinating crabgrass.
- 4) Put out a preemergence herbicide by May 1st in central Iowa, since crabgrass germinates from seed each spring. Crabgrass will germinate once soil temperatures reach 55 degrees Fahrenheit. Try to time this application with a ½ inch rainfall or irrigation within 3-5 days of applying the preemergence herbicide.



DURATION CR® controlled-release fertilizer relies on a patented and durable polymer-coated technology to gradually and efficiently release nutrients. The result is the consistent metering of nutrition that lasts for weeks, even months, with fewer applications. This consistency helps to take the worry out of maintaining healthy turfgrass and plants for turfgrass managers, lawn and landscape professionals and specialty ag growers.



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Benefits of IPLCA Membership

Legislative and Regulatory Updates:

Legislative updates are distributed bi-monthly during the legislative session to keep you informed of legislation and regulatory activities affecting the Lawn Care industry through membership in the Iowa Alliance of Environmental Concern (IAEC). IPLCA membership insures your knowledge on the issues is constantly up to date.

Education Seminars:

Business and technical seminars are held across the state. These sessions offer valuable information for you and your business. Educational training seminars offer the latest in product news, equipment, job safety and applicator continuing education. Meetings often feature topics such as: law, taxation, computers, safety, OSHA, EPA, insurance and customer relations.

Public Relations:

IPLCA's public relations program promotes a positive image for the Lawn Care industry through numerous programs with product manufacturers and Iowa State University. Programs include participation in the National Lawn Care Month and monthly News Releases or Public Service Announcements.

IPLCA Newsletter:

The IPLCA newsletter contains information about all aspects of the industry, the latest news in legislation and regulation, Association activities and a special trade section exclusive to members only. Note: Advertising and articles must be submitted by the 10th of the month before publication. Publication months are February, April, June, August, October and December.

Networking:

You have the opportunity to share information, learn new skills and solve problems with others in the industry.

Member Only Discounts:

Receive valuable discounts on educational brochures, videos, booklets, training materials, lawn care products, and customer appreciation gifts and materials. Early bird discounts to meetings and seminars, and group package buying power at events.

Annual Turfgrass Conference:

The most important meeting of the year, the Iowa Turfgrass Conference provides employers and employees the opportunity to meet and learn from specialists in the turf industry. These specialists include outstanding lawn care personnel, research horticulturists, agronomists, environmental specialists and manufacturers.