

new jersey turfgrass association

Green
World

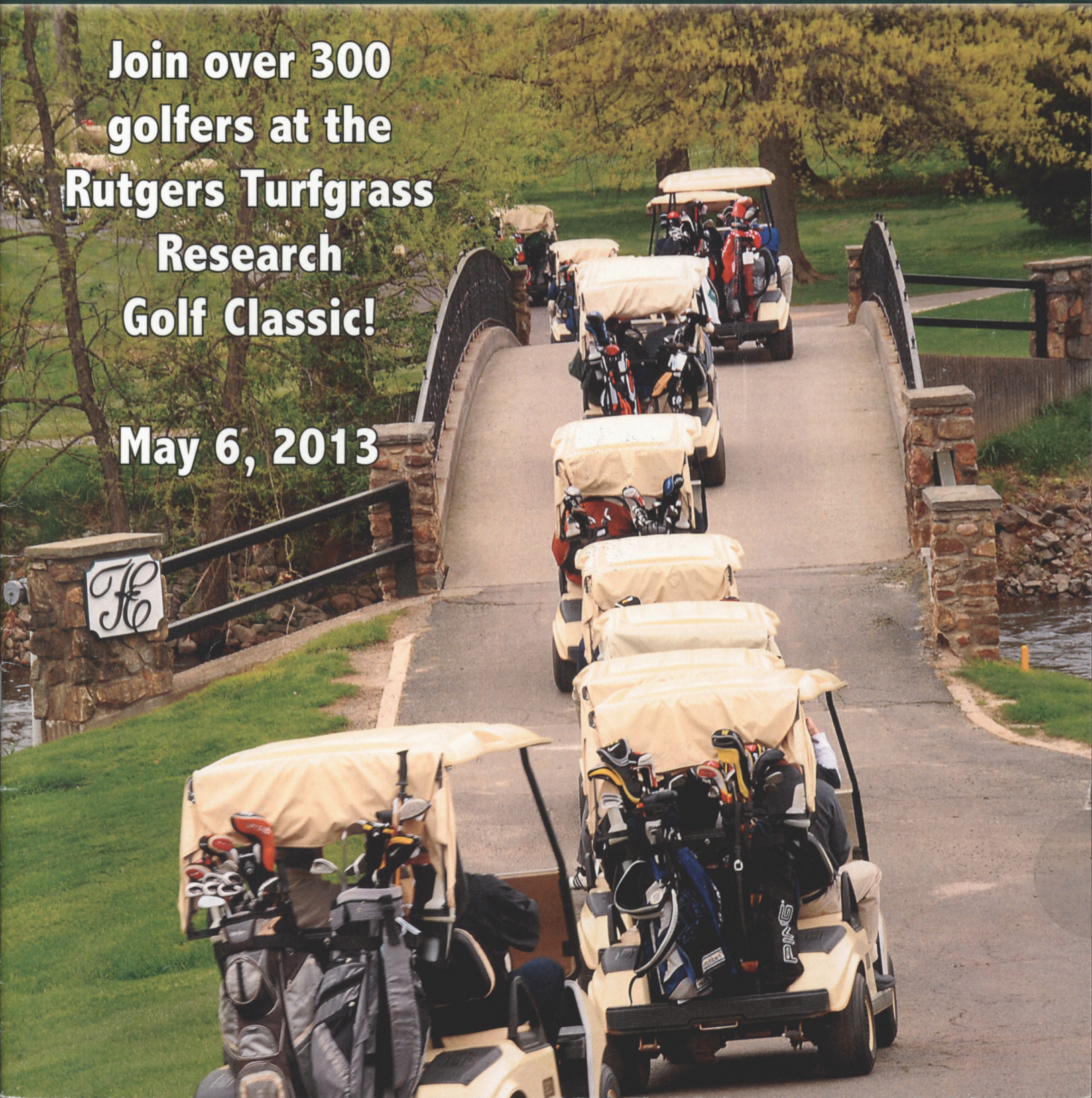


clippings

Issue 1: 2013 - Spring | VOL 86

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Research
Golf Classic!**

May 6, 2013





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President's Message

by Matt Sweatlock, NJTA President



Here it is Spring. Everyone is itching for spring clean up after a winter that brought us late season snow and high winds. In the back of our minds are the people who are still rebuilding after Sandy. New Jersey will recover; however, the memories of the devastation done and the losses incurred by this storm will remain.

The NJTA is currently working with the students of the Rutgers MBA Consulting Team on the survey that was e-mailed to NJTA members in February. The results of this survey will assist the NJTA in keeping with its mission, strengthening the association as we move forward.

The **Rutgers Turfgrass Research Golf Classic** is just around the corner (May 6th) and the committee is putting its final touches on the particulars and the follow-up calls to the sponsors. Last year's attendees numbered over three hundred and sixty, reflecting commitment to the turf research program offered at Rutgers University.

The **Rutgers Turfgrass Research Field Days** will be held on July 30th and 31st. That committee has begun working on this year's program, ensuring high level "hands on" experiences for turf professionals from all aspects of the turf and turf research community.

The **Green Expo will be December 10th through the 12th**. That committee has a preliminary educational program set and has begun filling the program with speakers.

To many, these are the three NJTA committees whose work and efforts can be seen. The NJTA offers much more. Other important committees include **Membership, Legislative, Communications, Allied Associations, Foundation, By-Laws & History, and Sunshine**. The work done by each committee adds a value to NJTA membership and provides insight to the growth of the NJTA. Ad hoc committees are added as needed. An example of a current ad hoc committee is the committee formed to work with the Rutgers MBA Consulting Team.

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President's Message

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All NJTA committees have a balance of members that include both board and non board members. Some have representatives from members of our Allied Associations. Some of our committees are large, with over twenty members; others may have five or six. They all have one thing in common -- promote the mission of the NJTA. This level of enthusiasm drives our association forward, providing the membership with educational opportunities second to none. The dedication exhibited by the committee members is essential to the success of our association.

We are always looking for members to set aside some of their valuable time and join one of the committees. It's a rewarding experience.

Faithfully submitted,



Matthew M Sweatlock
President, NJTA

Monday, May 6, 2013

Fiddler's Elbow Country Club



**THE
Rutgers Turfgrass Research
Golf Classic**

Stop and Smell the Roses

by Cece Peabody, MAT, CMP,
NJTA Executive Director



Have you ever wished you had taken the time to say 'thanks' to someone or even said 'good job' or 'we appreciate you'? Or do you wish you had taken the time to go on a trip or join friends for dinner?

More often than not, we let those opportunities slip by and think about it after the fact...we think we should have taken the time to do something or say something..and by then it's too late.

Stop and smell the roses is a cliché widely used in the US. We are familiar with its meaning which is to take time to appreciate a situation or slow down and pay attention to what is going on around you. It's commonly used when talking to someone who seems too busy to enjoy life. We hear it from a friend or family member if they are concerned about us being overworked, or just not taking time to enjoy the pleasures of life. This phrase can also be a gentle reminder to take a few minutes for yourself each day.

This phrase is believed to have originated in the US, some even believing it dates back 100 years. One reference to the phrase shows up on an album from the 1980's by Ringo Starr. The album was called "Stop and Smell the Roses". Others believe it started as a conversation between friends who were walking in the friend's beautiful rose garden. The friend worked so diligently on her garden but didn't take the time to enjoy her work. Her friend admonished her for not stopping her work to experience the beauty she had created.

So what does all this matter? It's just a friendly reminder that you are important to your friends, to your family, to your larger turfgrass family.....and we are taking time to thank you for all you do for all of 'us'.

Can you in turn stop to smell the roses yourself and remind others to do the same?

Cece Peabody
Executive Director



Rutgers Turfgrass Golf Classic 2013

by Shaun Barry

In case you haven't heard, the Rutgers Turfgrass Classic is once again going to be held at Fiddler's Elbow CC. This is the 18th edition of this fundraiser and it will be on May 6, 2013. Unlike many other worthy fundraising efforts this event has actually grown through the years. If you haven't been there you might wonder why it has had such a positive history. It is a history that has seen close to 5,000 people attending (many of them for all of the previous 17 years) while raising over \$1.2 million dollars.

That success starts with you. Without great support from the industry none of this would have been possible. It seems that we, as a professional industry, have members who understand that their support for turfgrass research at Rutgers is the best way to find answers to the problems that we have and for the ones that will occur. The Center for Turfgrass Science is blessed with the absolute best scientists in the world. We all know that Dr Bruce Clarke and Dr Bill Meyer are world-renown and are considered to be the face of the program. Standing next to them on the world stage however are Dr Bingru Wang, Dr Jim Murphy, Dr. Stacy Bonos, Dr Steve Hart, Dr Albrecht Koppenhofer and the list goes on. This is an amazing group of scientists who happen to be great people doing great work. Work that will help you do your job. When you get a call from Bill, Bruce or a committee member asking for your support these are the people they are representing.

We all know that there are many great universities where turfgrass research is being done by wonderful scientists and we applaud their efforts. Many of those programs are thrilled to have Rutgers educated scientists leading them into the future. Every one of those Rutgers graduates benefited from the Classic. The money that we raise is all utilized by the Center For Turfgrass Science. It goes where you want it to go. This is an industry where we truly are all working to a common goal and we still need your help for that to continue.

It is important to truly understand that every part of this industry has benefited from the work done at Rutgers. If you are in the lawn care, landscape or cemetery side you are probably using seed varieties coming from the work of Dr Bill Meyer and Dr Stacy Bonos. If you are in the Sports Field side you have also benefited from Bill and Stacy's work but also from Dr Jim Murphy and Brad Parks commitment to your success. If you are fighting insects or working to eradicate weeds look no further than the benefits you have gotten from Dr Albrecht Koppenhofer and his team or the great work done by Dr Steve Hart and his associates. If you are working at a golf course you have utilized the work done by all of the individuals listed above along with the great work done by Dr Bruce Clarke and Dr Bingru Wang. Your success hasn't happened by itself. You have planned well and worked hard and have always known that you have a source of information coming from Rutgers that will be there when you need it.

There are many ways that you can help and those are detailed in the brochure that

you have received or you can find it on the NJTA website (njturfgrass.org). This is the largest, single-day, turfgrass research fundraising event in the world but we have room for more players and sponsors and we will keep striving to get bigger and better. If you or your company or your facility or your club can't bring a team there is a nice opportunity for an individual sponsorship or a hole sponsorship. Those are also available even if you are bringing a team or are a guest of another team.

Thanks for being part of our history and we hope you will continue to help us set an example for the world to use as a blueprint when they follow our lead.

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fundraising event in the world
-- Rutgers Turfgrass
Research Golf Classic!*





Green World

Problems Facing Sports Field Managers: Refining Cultural Practices to Better Manage High Traffic Sports Fields

by Brad Park
Rutgers University

Applied Turfgrass Research from Rutgers, the State University, and the New Jersey Turfgrass Association

EDITOR'S NOTE: This article first appeared in Sports Turf Manager: Vol. 25, No. 3. Sports Turf Manager (ISSN 1201-3765) is the official publication of the Sports Turf Association, Inc., Guelph, Ontario, Canada

One of the most significant problems facing turf managers responsible for sports fields and grounds at schools and municipalities is maintaining adequate turf cover on high traffic sports fields. Maintaining dense cool-season turfgrass cover on sport fields has numerous benefits beyond aesthetic appeal including improving player safety, stabilizing soil, and reducing summer annual weed encroachment, particularly summer annual weeds like crabgrass, goosegrass and prostrate knotweed that ultimately revert to bare soil in fall.

There are numerous reasons why even highly competent sports field managers may have difficulty maintaining turf cover on highly used – or “abused” – fields. These reasons may extend beyond the sports field manager’s control including installation of field lights (i.e. day AND nighttime field use), not having the option to hold events on a synthetic field where natural turf field space is minimal, limited budget and labor resources, and user groups and management unwilling to take fields out-of-play when turf cover and/or weed encroachment justify renovation and time is required to allow new turf to fully establish.

Conversely, many schools and towns struggle with implementing primary turfgrass management cultural practices; the result is a more rapid decline in turf cover during periods of intense traffic. Primary cultural practices are mowing, fertilization, and irrigation (Turgeon, 1999). Cultivation (i.e. aerification) has traditionally been defined as supplementary cultural practice but can play a primary role in the management of high traffic sport fields. Regular overseeding of field centers and goal creases can often “make or

break” the presence of turf cover in these locations; thus, the practice of overseeding is arguably an additional primary cultural practice for high traffic sports fields.

Mowing

Unfortunately, there are institutions mowing large, multi-acre sports fields and adjacent grounds locations with rotary mowers equipped with single 5-ft-wide mowing decks. During spring and early summer months when turf growth is most rapid, it can be extremely challenging to mow frequently enough with small mowers at a desired cutting height without scalping. Removing too much turfgrass leaf tissue in one mowing weakens the turf and results in excess clippings left on the surface, which if not physically removed (a labor-intensive process), can lead to severe turf thinning and weed encroachment. Turfgrass that lacks density and is infested with summer annual weeds tends to be less traffic tolerant.

Wide-area, multi-deck rotary mowers with cutting swaths ranging from 11 to 16-ft are available and can greatly improve the efficiency of mowing large expanses of turf. It is unfortunate to observe some institutions ready to invest in new equipment pass on acquiring larger mowing equipment for the reason that “the maintenance department already has a mower”, albeit a 5-ft-wide machine. Investment in wide-area mowers can reduce the labor time spent on mowing and allow these resources to be allocated to increasing the frequency of overseeding, fertilization, or other cultural practices.

Fertilization

School and municipal sports fields are commonly under-fertilized and subsequently exhibit limited growth and poor recuperative capacity, attributes that do not favor good turf cover under high traffic.

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www.njturfgrass.org



Problems Facing Sports Field

Managers:

Brad Park is Sports Turf Education & Research Coordinator, Rutgers University; member of the SFMANJ Board of Directors since 2003; and Editor, SFMANJ Update newsletter

Applied Turfgrass Research from Rutgers, the State University, and the New Jersey Turfgrass Association

Public agencies often rely on contractors to apply fertilizers to sports fields. Following a public bidding process, landscape and sports field firms are awarded contracts to perform various tasks, including the application of a defined quantity of nitrogen (N) per unit area, typically over multiple applications. In some cases, fields scheduled to receive an ample supply of N display insufficient growth and have an off-color appearance, classic indicators of turfgrass in-need of N. While not all contractors will “short” the school or town on N quantities, many contractors apply N as liquid applications and it is difficult for school and town representatives to fully audit what is in the contractor’s spray tank.

Granular-formulated fertilizers can allow for better auditing of contractor-applied fertilizer applications as well as allow for more N to be applied per individual application with lower potential for turfgrass leaf tip burn compared to liquid fertilizers. For example, to apply 0.75 lbs N/1000 ft² to an 80000 ft² football field and surrounds using a fertilizer that is 25% N (e.g. 25-0-0), it will require 240 lbs of fertilizer (e.g. five 50-lb bags of 25-0-0). Bags can be counted following the application to ensure that the appropriate quantity of fertilizer has been applied and thus, high traffic sports fields are better able to recuperate from damage.

Irrigation

Automatic irrigation systems are an important tool in the management of sports fields and are highly preferable to water reels and certainly non-irrigated sports field and grounds sites.

Too often, however, automatic systems are simply set on a program and then ignored resulting in some fields becoming saturated with water and a subsequent loss in turfgrass traffic tolerance. Water-saturated sports field soils may be a result of irrigation programs be-

ing allowed to run immediately following rain events or systems set to deliver a quantity of water that the sports field soil does not have the capacity to accept. In either case, the sports field manager must regularly assess soil moisture (i.e. buy a soil probe!), view weather data, and know the ability of his/her sports field to accept varying quantities of rainfall and irrigation in order to program the automatic irrigation system accordingly.

Cultivation

Poor design and construction methods can accelerate turf loss on sports fields. If designed with inadequate surface pitch and/or manipulated when wet, even those soils that may have supported agronomic crops will be prone to poor drainage and compaction, conditions that are not conducive to growing healthy, traffic tolerant turfgrass.

Deep slicing and deep tine cultivation are methods to alleviate compaction at deeper soil depths, often a result of poor construction procedures. Severely compacted soils may not readily allow a tine to penetrate to a soil depth greater than several inches. In these cases, it can be advantageous to first perform deep slicing. These tools are equipped with heavy-duty rotating knives that cut through and fracture the soil.

Cultivation in turfgrass is more routinely performed with machines equipped with tines (hollow or solid) capable of penetrating to a depth of 3 to 4 inches. Use of hollow tines allows for the removal of a core and can be useful to alleviate shallow soil compaction, manage thatch accumulation, and following core re-incorporation, create seedbed at the surface in preparation for overseeding.

Too often tow-behind, drum-type cultivation units are used across dry compacted sports fields with little or no impact on the surface. Albeit more expensive to

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Problems Facing Sports Field Managers:

continued from page 7

Applied Turfgrass Research from Rutgers, the State University, and the New Jersey Turfgrass Association

purchase and maintain, reciprocating tine coring machines powered by a tractor (i.e. attached to the PTO) equipped with 0.75 to 1.0 inch tines positioned on a tight centering pattern are most effective in alleviating compaction and bringing soil to the surface.

Overseeding

During the course of a traffic-intensive sports season, turfgrass cover in goal creases, field centers, and penalty kick areas will inevitably thin. As turf cover begins to decline, it is important to initiate an overseeding program to introduce new plants. All too often sports field managers wait for nearly 100% bare soil to appear prior to introducing seed. While overseeding at this point is better than taking no action, the process should be started prior to severe damage becoming apparent.

Choosing the appropriate seed for an overseeding program is critical. Many seed mixtures are marketed as "sports turf mixtures" leading field managers and purchasing agents to buy these products for use in overseeding. These mixtures typically contain Kentucky bluegrass and tall fescue and are better suited for establishment projects where there is ample time to wait for the turf to fully establish before use.

Perennial ryegrass seed blends (i.e. two or more varieties of the same turf species) are the best choice for routine overseeding of high traffic field locations as this species will germinate more readily in cooler soil temperatures compared to Kentucky bluegrass and tall fescue, making it an ideal choice for overseeding during the fall and early spring sports seasons.

Fields badly damaged resulting from summer sports can be core cultivated to a 4-inch depth in late summer. Following core re-incorporation using a tow-behind drag, a blend of two-to-five perennial ryegrass varieties can be sown using a slit-seeder operated in

two directions at a minimum of 5 lbs seed/1000 ft² per direction (i.e. total of 10 lbs seed/1000 ft²). Application of a starter fertilizer and maintaining moisture at the soil (i.e. seedbed) surface will increase the probability of successful establishment.

During the sports season, prior to games and practices, perennial ryegrass overseeding can be performed using a rotary spreader and allowing athletes to 'cleat-in' the seed to achieve necessary seed-to-soil contact. In the midst of the sports season, the same rotary spreader can be used to apply seed prior to games and is preferential to repeated use of a slit-seeder as the vertical blades on these machines can potentially injure new seedlings resulting from previous overseeding efforts.

Applying a sufficient quantity of seed is important to achieve overseeding success. A reasonable starting strategy would be to apply 6 lbs seed/1000 ft² between the hash marks of the football field prior to every home game. This area on a standard Canadian football field is 16830 ft² (330 x 51-ft). To apply 6 lbs seed/1000 ft² to this area, it will require two 50-lb bags of seed. If after several games, and potentially other events, turf cover is still diminishing and new seedlings are not establishing, the seeding 'rate' can be increased to one or more additional 50-lb bags.

Conclusions

At minimum, turfgrass requires mowing, fertilization, and water. Regular mowing with efficient equipment, supplying adequate fertility, and avoiding the temptation to rely simply on the program 'clock' to apply irrigation are basic refinements to primary cultural practices. To maintain turf cover on highly trafficked sports fields, the integration of cultivation and overseeding into existing primary cultural practices will better ensure success.

Reference

Turgeon, A.J. 1999. Turfgrass management. Prentice Hall, Upper Saddle River, NJ.

Turf Bowl Competition

February 7, 2013 - Golf Industry Show, San Diego, CA

by Bruce Clarke

Three teams of undergraduate students (four students to a team - including **Tyler Astor, Greg Benz, Michael Chikos, Ryan Daddio, Nicholas Delmar, Kyle Genova, Kenneth MacNish, Mike Monzon, Jianlong Sun [Jason], Yuanshuo Qu [Henry], Lingcheng Zeng [Aaron], Lorabeth West,**) from the Rutgers Turf Club competed in the 2013 Turf Bowl Competition at the International Golf Course Superintendents Association of America Conference and Trade Show in San Diego, CA on Thursday, February 7, 2013.

The Rutgers Teams placed 6th, 14th, and 44th out of 68 university teams from throughout the United States and Canada. **Rich Hurley** (Adjunct Professor, Plant Biology and Pathology), **Sabrina Tirpak** (Principal Lab Technician, Plant Diagnostic Laboratory; Plant Biology and Pathology) and **Bruce Clarke** (Extension Specialist, Plant Biology and Pathology; Director, Center for Turfgrass Science) assisted the Rutgers teams prepare for this year's competition.

This is an amazing accomplishment and continues to reflect the success this program has had over many years. CONGRATULATIONS TO THE 2013 RUTGERS TURF BOWL TEAMS!!!!



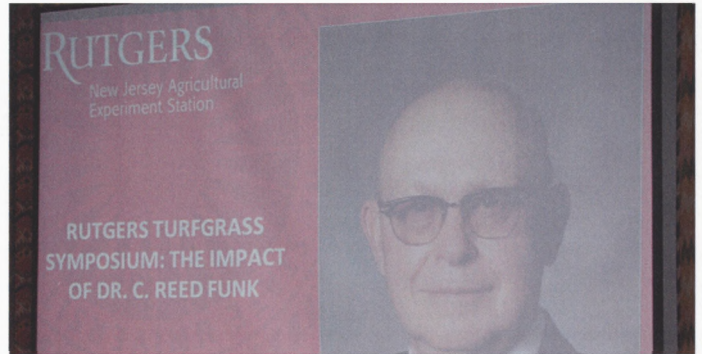
Rutgers Turfgrass Symposium Honors

Dr. Reed Funk

January 11, 2013

The 22nd Annual Rutgers Turfgrass Symposium was held on January 11, 2013. The day was dedicated to Dr. Reed Funk, the patriarch of turfgrass breeding, who passed away on October 4, 2012. A large group of friends and family gathered to celebrate his life, talk about his legacy, and remember a friend and mentor.

Heartfelt memories were shared by industry leaders, but the most poignant presentation was made by Dr. Funk's daughter, who brought a tear and a smile to all in the room. Reed Funk was a giant in the work of turfgrass breeding, and he will be missed.



Rutgers Turfgrass Research Golf Classic Registration

Complete form, mail or fax to (973)812-6529 to NJTF Office. Online: www.njturfgrass.org

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 Company: _____
 Address: _____
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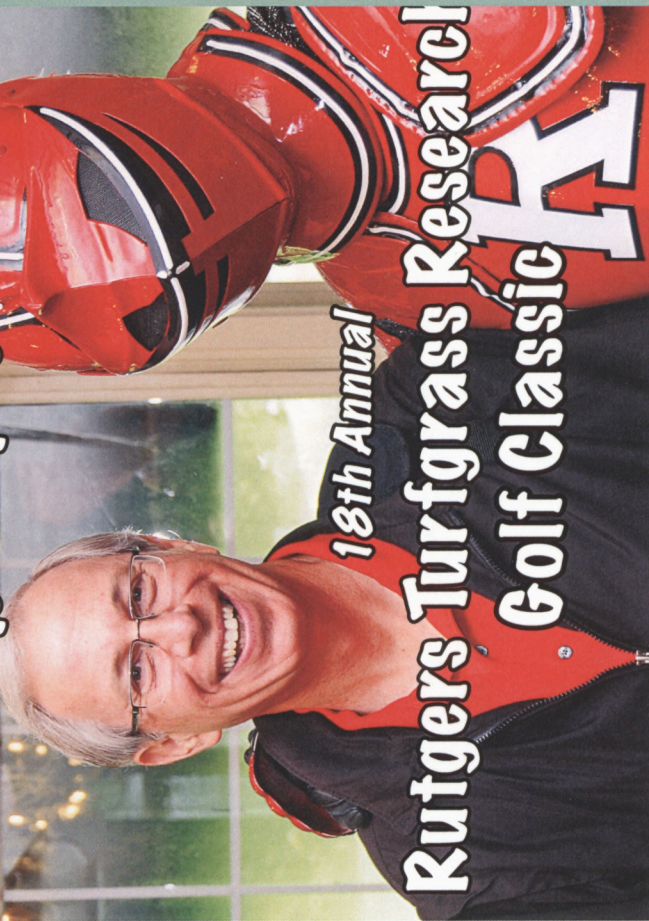
* Full Registration or Sponsors with * Includes: Research Update, Green Fees & Golf Cart, Breakfast, Lunch on Course, Silent Auction, Grand Reception, Gift

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Monday, May 6, 2013



18th Annual

Rutgers Turfgrass Research
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The Golf Classic Event - May 6, 2013

Rutgers University and the New Jersey Turfgrass Foundation represent a formidable alliance in support of the Turfgrass Industry in the State of New Jersey and across the country. The Foundation is a non-profit organization which accepts and manages tax-deductible monetary donations and the proceeds from events such as this Golf Classic.

Proceeds from the **Rutgers Turfgrass Research Golf Classic** will be used to provide Research Grants, Scholarships, Funds for Special Projects (e.g., a new Sand-Based Root Zone), Equipment, Supplies, and Facilities to support Turfgrass Research and Education at the School of Environmental and Biological Sciences/Rutgers, The State University of New Jersey.

Schedule of the Day

- 8:00 A.M. REGISTRATION OPENS
- 8:30 A.M. - 9:30 A.M. BRUNCH FOR PREMIER SPONSORS BREAKFAST FOR ALL
- 8:30 A.M. SILENT AUCTION OPENS
- 9:30 A.M. - 10:30 A.M. ** EDUCATION UPDATES ON RUTGERS RESEARCH
- 11:00 A.M. TO 4:00 P.M. GOLF SHOTGUN - SCRAMBLE FORMAT LUNCH ON THE COURSE
- 4:00 P.M. TO 5:00 P.M. COCKTAIL HOUR & SILENT AUCTION
5:30 P.M. SILENT AUCTION CLOSES
- 5:00 P.M. TO 6:00 P.M. GRAND RECEPTION & GOLF AWARDS

Thanks to the 2012 Premier Sponsors

We are proud to thank these 2012 Premier Sponsors of the Seventeenth Annual Rutgers Turfgrass Research Golf Classic: **BASF, BAYER, Cleary Chemical, DuPont, Grass Roots, John Deere Golf/Finch Services/John Deere Landscapes, Lebanon Turf, Mountain View Seeds, ProSeeds Marketing/Alliance Seed, Storr Tractor Company, Syngenta, and The Scotts Company.**

The commitment of these **Premier Sponsors** to Rutgers University and the turfgrass industry is very much appreciated.

The Golf Classic Event - May 6, 2013 How Sponsorship Will Help in 2013

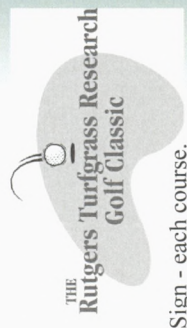
Partial proceeds of this year's Golf Classic will be used to construct a new sand-based root zone in 2013-2014 -- a total of **40,000 square feet at Hort Farm II for golf and sports field research**. For more information on how to contribute to this fund, please contact Dr. Bruce Clarke at (848) 932-6295 or Dr. William Meyer at (908) 930-3562.

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 - Brunch with Rutgers Center for Turfgrass Science Professors
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- Name1 _____ Name2 _____
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- One Foursome • Company Name on Sponsor Banner & Signage Recognition
- Listing on Sponsor Sign at Entrance to Grand Reception
- Tee or Green Sign - each course.
- Two (2) Additional Grand Reception Tickets
- Name1 _____ Name2 _____

Par Sponsor - \$2,000

- One Foursome • Signage Recognition • Tee or Green Sign
- Listing on Sponsor Sign at Entrance to Grand Reception
- One (1) Additional Grand Reception Ticket
- Name _____

Hole Sponsor - \$500

- One Ticket to Grand Reception • Signage Recognition
- Name _____

Additional Sponsorships:

Golf Club Patron \$200
Signage Recognition

Scarlet Tee Club
Minimum \$50 Donation

NJTF TAX ID: 22-3270805

NEW JERSEY TURFGRASS FOUNDATION | 25 US HIGHWAY 46 WEST, WAYNE NJ 07470
PH: (973) 812-6467 | FAX: (973) 812-6529 | WWW.NJTURFGRASS.ORG



**New Jersey
Turfgrass
Association**

25 US Highway 46 West • Wayne NJ 07470
Phone: 973.812.6467 • Fax: 973.812.6529

**New Jersey Turfgrass Association
MEMBERSHIP APPLICATION**

Membership shall be open to all interested in the development and maintenance of turf.
It shall represent all facets of the turf industry, including persons or organizations
that grow or manage turf, or supply materials and services to the Green Industry.

JOIN ONLINE: www.njturfgrass.org

• **BENEFITS OF MEMBERSHIP** •

- Savings on Green Expo & Field Days Registration fees
- Opportunities to earn Pesticide Applicator License Credits
- *Clippings* Quarterly Magazine
- Membership Directory
- Outreach & Education impact in Trenton
- Support of Rutgers University's Turf Research and turf programs
- Marketing opportunities in NJTA publications
- Participation in events that raise scholarships for the NJ Turfgrass Foundation
- Website: www.njturfgrass.org

Membership Category Types (Annual Dues based on calendar year: January 1 – December 31)

All members receive separate mailings of NJTA publications and meeting notices.

- | | |
|---|---------------------|
| <input type="checkbox"/> BUSINESS PARTNER (Manufacturer/Supplier or Sod Producer) | \$275.00 |
| <i>UP TO FOUR individuals covered in this membership fee.</i> | |
| <input type="checkbox"/> ADDITIONAL BUSINESS PARTNER (5 or more) | \$65.00 each |
|
 | |
| <input type="checkbox"/> TURFGRASS PARTNER (Golf Course, Lawn Care, Landscaper) | \$210.00 |
| <i>UP TO THREE individuals covered in this membership fee.</i> | |
| <input type="checkbox"/> ADDITIONAL TURFGRASS PARTNER (4 or more) | \$65.00 each |
|
 | |
| <input type="checkbox"/> INDIVIDUAL MEMBER (ONE Business or Turfgrass Partner) | \$80.00 |
|
 | |
| <input type="checkbox"/> STUDENT MEMBER (Those enrolled in turf-related educational programs.) | \$20.00 |

Member Information

Name # 1 _____ Title _____
 Association/Company _____
 Address _____
 Is Address? _____ Business _____ Home
 City _____ State _____ Zip _____
 Phone _____ Fax _____
 Email _____ Website _____

Name # 2 _____ Title _____
 Association/Company _____
 Address _____
 Is Address? _____ Business _____ Home
 City _____ State _____ Zip _____
 Phone _____ Fax _____
 Email _____ Website _____

New Jersey Turfgrass Association • 25 US Highway 46 West • Wayne NJ 07470
Phone: 973.812.6467 • Fax: 973.812.6529 • www.njturfgrass.org • execdirector@njturfgrass.org

1
Revised 9/2012



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New Jersey Turfgrass Association MEMBERSHIP APPLICATION

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 It shall represent all facets of the turf industry, including persons or organizations
 that grow or manage turf, or supply materials and services to the Green Industry.

JOIN ONLINE: www.njturfgrass.org

Name # 3 _____		Title _____	
Association/Company _____			
Address _____			
Is Address? _____ Business _____ Home			
City _____		State _____ Zip _____	
Phone _____		Fax _____	
Email _____		Website _____	

Name # 4 _____		Title _____	
Association/Company _____			
Address _____			
Is Address? _____ Business _____ Home			
City _____		State _____ Zip _____	
Phone _____		Fax _____	
Email _____		Website _____	

Select Business Category that Best Describes Your Business/Profession

<input type="checkbox"/> Manufacturer/Supplier • BUSINESS	<input type="checkbox"/> Sod Producer • BUSINESS
<input type="checkbox"/> Golf Course • TURFGRASS	<input type="checkbox"/> Lawn Care Applicator • TURFGRASS
<input type="checkbox"/> Landscape/Lawn Maintenance • TURFGRASS	<input type="checkbox"/> Cemetery • TURFGRASS
<input type="checkbox"/> Irrigation Installation • TURFGRASS	<input type="checkbox"/> Parks and Recreation • TURFGRASS
<input type="checkbox"/> Schools & Athletic Fields • TURFGRASS	<input type="checkbox"/> Architect • TURFGRASS
<input type="checkbox"/> Student - IN TURF RELATED PROGRAM	<input type="checkbox"/> Professionals, University, Ext Offices • HONORARY

Payment Information (Required) •

MAIL OR FAX TO NJTA Office

Type of Credit Card:	SIGNATURE:
Card Number:	Name on Card:
Expiration Date: (MM/YY)	Street Address:
3 Digit Security Code:	City/State/Zip:
Check By Mail: (Payable to NJTA)	
TOTAL MEMBERSHIP AMOUNT:	\$
NJ TURFGRASS FOUNDATION CONTRIBUTION: <i>(This portion is tax-deductible)</i> Contributions support Turfgrass Research & Scholarships	\$
TOTAL AMOUNT DUE:	\$

*Since 1970, New Jersey Turfgrass Association's (NJTA) Mission is to promote the Turfgrass Industry
 and enhance the environment through education, professionalism, leadership,
 and our partnership with Rutgers, The State University of New Jersey.*



February 27, 2013

New Jersey Turfgrass Association supports the New Jersey Landscape Contractors Association at their One Day Trade Show and Conference

Above: Craig Tolley, NJTA Director (L)
Bob Pedatella, President NJLCA,
Tracy Wadhams, NJTA Director (R)

Below: Shaun Barry, NJTA Director (L),
Tracy Wadhams, NJTA Director,
Jody Shilan, NJLCA Executive Director (R)

We do appreciate our allied partnership!



CONGRATULATIONS!

Brian Feldman, NJTA Director, and his wife Alexis, welcome Brady Sean Feldman 7 lbs, 7 oz, 21 inches 2/17/13



Brady's older brother, Ryder, watches over him.





SAVE THE DATES!

July 30 & July 31, 2013

Rutgers Turfgrass Research Field Days

NOTE! Due to construction at Adelpia Farm, the Lawn, Landscape and Sports Fields Field Day on July 31st will be held at Hort Farm.

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Lawn & Sports Turf: 973-252-5455**



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The future of plant health is Bayer's top priority. To prove it, we're committing \$300,000 to the advancement of plant health research and education through the *Healthy Turf, Healthy Tomorrow* program with GCSAA and the Environmental Institute for Golf.

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The Plant & Pest Advisory provides seasonal updates focusing on insects, diseases, and weeds of importance to NJ Commercial Growers.

The Plant & Pest Advisory (PPA) has undergone a major overhaul since the 2012 season. The PPA now has its own website – plant-pest-advisory.rutgers.edu <<http://plant-pest-advisory.rutgers.edu>> where you can access current articles for free. There are all the familiar categories that correspond to past newsletter editions as well as fruit and vegetable alerts and information about food safety, NEWA, crop insurance, and the Plant Diagnostic Laboratory. The website also provides numerous links to other relevant information.

You can visit the website as often as you like or you can automate the process of information delivery via a subscription. There are two subscription choices available: email and RSS Feed.

- When you subscribe to email delivery, the previous day's posts are emailed to you daily.
- When you subscribe to an RSS feed <http://plant-pest-advisory.rutgers.edu/?page_id=110> , new posts are sent to your RSS feed reader immediately. (There are many free RSS feed readers available for computers as well as mobile devices.)

Feel free to sign up for editions <http://plant-pest-advisory.rutgers.edu/?page_id=110> , email or RSS, in other areas of interest to you. To ensure that email reaches your inbox, please add FeedBlitz's email address FeedBlitz@mail.feedblitz.com to your email white list or address book.

We hope you find the new format of the PPA to be a valuable management tool for your enterprise. We have worked hard to deliver a free service that provides immediate access to important information. Please let us know if you have any questions or concerns by contacting us at ppadvisory@njaes.rutgers.edu <<mailto:ppa@njaes.rutgers.edu?subject=PPA%20Question%20or%20Comment>> .

Alerts – Presently, these alerts consist mainly of pest announcements from our IPM team and Vegetable Pathologist, Dr. Andy Wyenandt. When appropriate, alerts may also include weather events that significantly effect our state or announcements as requested from the NJ Department of Agriculture regarding weather – such as freezing or flooding.

Vegetable Crops – Seasonal updates on diseases, insects, and weeds impacting vegetable crops. Vegetable Pest Alerts are also available via this category feed. Commercial Vegetable Production Recommendations updates between annual publication issues are included. Updates are available via RSS and emailed to subscribers the next morning after posting on the site.

Tree Fruit – Seasonal updates on diseases, insects, maturity dates and cultural practices impacting tree fruit.

Small Fruit: Blueberry, Cranberry, Wine Grape - Seasonal updates on disease, insects, weeds, and cultural practices impacting small fruit and vine crops important to NJ growers. Choose a feed for your specific crop.

Field & Forage Crops – Seasonal updates on disease, insects, and weeds impacting field and forage crops. Additional information regarding energy and economics related to these crops is included.

Nutrient Management – While going hand-in-hand with livestock and forage crop production, important nutrient management issues are discussed separately to help growers cope with composting, regulation, and emerging energy technologies.

Landscape, Ornamentals – Nursery, & Turf – Seasonal updates on ornamental and turf pests as well as cultural practices important to these categories. The Landscape Edition combines Ornamentals and Turf articles. Links to the Rutgers Turf Blog articles are included for readers as yet unfamiliar with that site. Choose a feed for your specific operation.

The Plant and Pest Advisory is produced by Cooperative Extension, a unit of Rutgers NJAES. Rutgers New Jersey Agricultural Experiment Station

Two More Somerset County Golf Courses Certified as “River Friendly”

by Darrell Marcinek

Two more Somerset County Golf Courses have received certification from the New Jersey Water Supply Authority (NJWSA) as “River-Friendly” golf courses.

Green Knoll Golf Course in Bridgewater and **Spooky Brook Golf Course** in Somerset join *Neshanic Valley and Quail Brook* as officially certified.

The “River-Friendly” designation is based on operational and maintenance practices recommended by the NJWSA “River-Friendly” program.

Actions at the two facilities have resulted in the reduction of the contribution to non-point source pollution and improvement of the wildlife habitat on and near the course.

NJWSA worked with *John Zujkowski* and *Chris Morgan* at Green Knoll and with *Billy Martin* and *Mike Guire* at Spooky Brook to develop specific goals and requirements for certification in the areas of Water Quality Management, Water Conservation Techniques, Wildlife and Habitat Enhancement, and Education and Outreach.

Warrenbrook Golf Course is also in the pipeline and working towards certification in 2014.

The goal of the River-Friendly Golf Course Certification Program is to reduce nonpoint source pollution, or pollution that results from stormwater runoff, thereby improving water quality, enhancing stream corridors, providing greenspace benefits, and promoting the understanding that environmentally sound courses are quality courses. NJWSA implements this program in the North & South Branch and Lower Raritan watersheds (portions of Hunterdon, Somerset, Middlesex, and Monmouth Counties)

NJWSA works with each individual course to help develop specific goals and requirements for certification in each of four areas: Water Quality Management, Water Conservation Techniques, Wildlife and Habitat Enhancement, and Education and Outreach. By joining, courses receive ongoing technical information, support and guidance for implementing environmental projects tailored to the unique location, resources and needs of the golf course.

More information on the River Friendly Golf Course program can be found online at <http://www.raritanbasin.org/Projects/riverfriendly/golf.html> or by calling Kathy Hale at (908) 685-0315 x 228.



New Jersey Turfgrass Association

The NJTA Membership Application has been updated and categories of membership are redefined.

Please -- Use the application enclosed in this issue. Why not ask one or two of your business friends and associates to join NJTA?

- **Business Partner** for *Manufacturers or Suppliers or Sod Producers*
- **Turfgrass Partner** for *Golf Course, Lawn Care, Landscapers and other allied*
- **Individual Member** (*can be Business or Turfgrass Partners*)
- **Student Member** for *those enrolled in turf-related educational programs*
- **Honorary membership** for University professionals, Rutgers Extension offices, and NJTA Award winners.

Anyone who renews their membership or becomes a new member will receive discounted registrations for the Research Field Days held in July, and the Green Expo held in December.

RENEW OR JOIN TODAY!

Call if questions: (973) 812-6467



Apply early and the party's over for pests.

A single application of Acelepryn® insecticide in April or May gives you season-long control of all key white grub species, plus excellent control of turf caterpillars, European crane fly, annual bluegrass weevil, billbugs and other key turf pests. To learn more about how to use Acelepryn for optimal control of annual bluegrass weevil, visit WeevilTrak.com.

Lee Kozsey 215-796-0409

Dennis DeSanctis 732-580-5514



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For a special program offer, scan the QR code or visit GreenCastOnline.com/Acelepryn

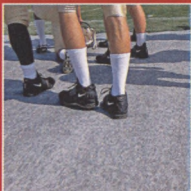


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Rutgers Shares Info You Need

Pesticide Applicator or Dealer Storage Inventory and Cover Letter Submittal

Due May 1st to Fire Department

All licensed pesticide applicators, as well as dealers, who store pesticides are required by law to send a copy of their storage inventor(ies) with an explanatory cover letter to the local fire company by May 1st each year. In New Jersey, all licensed pesticide applicators and dealers who store pesticides are required per N.J.A.C. 7:30-9.5 to maintain a list of the pesticides stored or likely to be stored during the license year. A storage inventory is required to be kept separate from the actual storage area (although you certainly may keep a copy there as well.)

The Rutgers NJAES Pest Management Office 'Records & Forms' webpage provides two editable templates for submittal to the Fire Department that meet the minimum regulatory requirements. See the webpage at: www.pestmanagement.rutgers.edu/PAT/record_forms.htm. You may also devise your own format that suits your needs as long as it meets the requirements of N.J.A.C. 7:30-9.5.

1. Pesticide Storage Inventory Form - The purpose of the inventory is to provide local fire departments with an accurate description of things stored by location in case of fire or other emergencies. We suggest filling out a form per storage address of your establishment.

2. Cover Letter -- All licensed pesticide applicators and dealers who store pesticides are required by law to send a copy of their storage inventor(ies) with an explanatory cover letter to the local fire company. Specifically, NJDEP regulations provide: "The cover letter shall explain that this list has been sent pursuant to N.J.A.C. 7:30-9.5(b).4".

3. Revisions to the New Jersey regulations now require a written description or diagram depicting the exact location of the area on the property where the pesticide is stored. Our template cover letter provides a space to write that description or indicate that a diagram is enclosed.

Submittal to the fire department is required annually by May 1st of each year (this does not pertain to pesticides stored for personal use, or to those storing pesticides at loading or application areas for less than 7 days). Applicators and dealers must keep the cover letter on file for a minimum of three years and should have it available for NJDEP upon request.

Patricia D. Hastings

*Pesticide Safety Education Program Coordinator
Rutgers New Jersey Agricultural Experiment Station
Cooperative Extension
Pest Management Office
93 Lipman Drive
New Brunswick, NJ 08901*

The Rutgers Weather-Pest Forecasting website:

http://plant-pest-advisory.rutgers.edu/?page_id=98

Network for Environment and Weather Applications

NEWA is a web-based weather and pest reporting and forecasting system for insect and disease pests of fruits and vegetables and turfgrass. What does this gathering of weather, regional insect & disease forecasts mean for you? As part of an IPM plan, NEWA users report they can save (on average) \$19,500/year in spray costs, and prevent (on average) \$264,000/year in losses as a direct result of using NEWA. NEWA keeps you apprised of conditions in your area and aids in decision-making, resulting in enhanced pest control with reduced costs and environmental burden.

NEWA is operated by and funded through the NYS IPM Program. This year, NEWA is available free-of-charge to New Jersey growers via support from Rutgers NJAES. Initial NJ funding courtesy the Outer Coastal Plain Vineyard Association.

Turfgrass Disease Forecasting (with maps):

<http://www.nrcc.cornell.edu/grass/disease/disease.html>

Dollarspot • Pythium Blight • Brown Patch •
Anthracnose

Last week's Conditions, Forecasts for next week

Tear this page out, complete and mail to the NJTA Office with your ad copy.



new jersey turfgrass association

clippings

Green World



2013 CLIPPINGS - Promote Your Business to Members

Clippings & Green World is NJTA's quarterly newsletter publication. It is mailed each Winter, Spring, Summer and Fall. This full-color publication has received rave reviews from our members because of its relevant and rich content and layout. Our present circulation is 900 per issue and reaches every integer of the turfgrass industry. Your ad is included in all 4 issues for the year. Contact us if you wish to change your ad for a new issue. Check which size ad below:

- 1/8 Page (Business Card) \$ 700.00 (\$175 ea issue) Size: 3.6" W x 2.1875" H
- 1/4 Page \$ 1100.00 (\$275 ea issue) Size: 3.6" W x 4.625" H
Complimentary Ad for 4 issues included as Premier Sponsor of Rutgers Turfgrass Research Golf Classic.
- 1/2 Page \$ 1900.00 (\$475 ea issue) Size: 7.5" W x 4.625" H
- Full Page \$ 3300.00 (\$825 ea issue) Size: 7.5" W x 9.875" H
- PATRON Listing \$ 125.00 *Complimentary Patron Listing included with Full Page Ad.*

TOTAL DUE: \$ _____

2013 AD SCHEDULE: Winter - February Spring - April Summer - June Fall - December

Artwork copy and articles are due in our office by: **February 10** (Winter); **April 10** (Spring); **June 10** (Summer); and **December 10** (Fall). This schedule promotes and highlights NJTA's annual events.

Please complete and mail or fax to the NJTA office. Fax (973) 812-6529 Email: execdirector@njturfgrass.org

SELECT AD SIZES: (See Rates Above):

- 1/8 Page 1/4 Page 1/2 Page Full Page PATRON Listing

Which Issues? Winter Spring Summer Fall

Company: _____

Contact Name: _____

E-mail: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

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3 Digit Security Code: _____ Exp. Date: _____

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For Information Call:
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Fx: (973) 812-6529
Email: execdirector@njturfgrass.org



New Jersey Turfgrass Association • 25 US Highway 46 West, Wayne, NJ 07470-6801 • www.njturfgrass.org

CALENDAR

2013 EVENT DATES

Monday, May 6, 2013

**Rutgers Turfgrass Research
GOLF CLASSIC**

*Fiddler's Elbow Country Club
Far Hills, NJ*

Tuesday, July 30, 2013

**Rutgers Turfgrass Research
Field Days**

GOLF & FINE TURF

Hort Farm II, North Brunswick NJ

Wednesday, July 31, 2013

**Rutgers Turfgrass Research
Field Days**

**LAWN, LANDSCAPE, &
SPORTS FIELDS**

LOCATION CHANGE:

**** Hort Farm II, North Brunswick NJ
(Adelphia Farm is under construction)**

Tuesday - Thursday

December 10-12, 2013

GREEN EXPO

Turf & Landscape Conference

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Atlantic City NJ*

RUTGERS EXTENSION OFFICES & NUMBERS

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RCE of Bergen County	(201) 336-6780
RCE of Burlington County	(609) 265-2900
RCE of Camden County	(856) 566-5757
RCE of Cape May County	(609) 465-5115
RCE of Cumberland County	(856) 451-2800
RCE of Essex County	(973) 353-5525
RCE of Gloucester County	(856) 307-6450
RCE of Hudson County	(201) 915-1393
RCE of Hunterdon County	(908) 788-1339
RCE of Mercer County	(609) 989-6830
RCE of Middlesex County	(732) 398-5262
RCE of Monmouth County	(732) 431-7278
RCE of Morris County	(973) 285-8307
RCE of Ocean County	(732) 349-1246
RCE of Passaic County	(973) 305-5740
RCE of Salem County	(856) 769-0090
RCE of Somerset County	(908) 526-6293
RCE of Sussex County	(973) 948-3040
RCE of Union County	(908) 654-9854
RCE of Warren County	(908) 475-6505

Please notify the NJTA office if any of the above numbers have changed. Thank you.

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- Shannon Sked, Vice President
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The Rutgers Plant Diagnostic Lab

The Plant Diagnostic Laboratory provides accurate and timely diagnoses of plant problems.

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- ▶ Disease and Insect Pest Diagnosis
- ▶ Plant and Weed Identification
- ▶ Insect Identification
- ▶ Fungus and Mold Identification
- ▶ Nematode Assays
- ▶ Screening for Neotyphodium Endophytes
- ▶ Fungicide Resistance Screening
- ▶ Other Services Available by Contract

For more information please call us at 732/932-9140 or visit the web for sample submission instructions and forms at:
www.rcrc.rutgers.edu/plantdiagnosticlab.



The Rutgers Soil Testing Lab

The Rutgers Soil Testing Laboratory performs chemical and mechanical analyses of soils.

The following services are routinely performed:

Landscape

- Level 1** Fertility Test: Nutrients, pH, recommendations
- Level 2** Problem Solver (soil/plant suitability test)
- Level 3** Topsoil Evaluation

Greenhouse

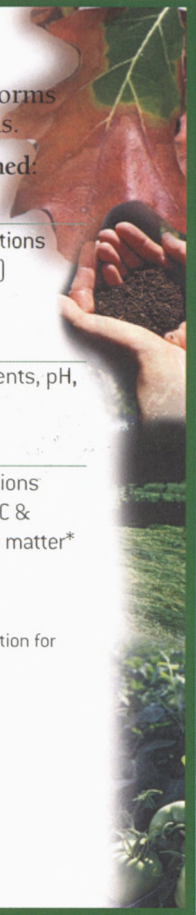
Saturated (Organic) Media Extract Analysis: Nutrients, pH, electrical conductivity, inorganic nitrogen

Sport Turf

- Level 1** Fertility Test: Nutrients, pH, recommendations
- Level 2** Complete Test: Nutrients, pH, estimated CEC & cation saturation, soluble salt level, organic matter* content, soil textural class
- Level 3** Sand Root Zone Test

*Organic matter content would be determined by loss-on-ignition for golf course greens, as described by USGA guidelines.

For more information please call us at 732/932-9295, or visit us on the web at:
www.rcrc.rutgers.edu/soiltestinglab.



www.rcrc.rutgers.edu/services