

new jersey turfgrass association

Green
World



clippings

Issue 3: 2012 -Fall | VOL 84

New Jersey
Turfgrass
Association

WORKING TOGETHER
SERVING THE NEW JERSEY GREEN INDUSTRY

New Jersey
Turfgrass
Association

RUTGERS

THE STATE UNIVERSITY
OF NEW JERSEY

2012 Green Expo Awaits You!

Come to

- **Discover Business Opportunities**
- **Discuss Education**
- **Develop Your Network**

**Golf Course Superintendents
Association of New Jersey**

New Jersey Chapter
GCSAA

To Promote Professional
Improvement through
the Education and
Co-operation of its
Members

To Promote Professional
Improvement through
the Education and
Co-operation of its
Members



2012 Patron Directory

BASF

David Schell
1717 Pleasantville Road
Forest Hill, MD 21050
Ph: (410) 420-0568 Fx: (410) 420-0247
David.Schell@basf.com

BAYER

Jeffrey Weld
91 Schofield Road
West Milford, NJ 07480
Ph: (914) 419-9384 Fx: (877) 492-1897
jeff.weld@bayer.com

CLEARY CHEMICAL

Brian Bolehala
178 Ridge Road
Dayton NJ
Ph: (201) 874-8060
bryan.bolehala@clearychemical.net

DUPONT PROFESSIONAL PRODUCTS

Mike McDermott
Laurel Run 705, 1N11
Wilmington DE 19880

GRASS ROOTS INC.

Ken and Keith Kubik
PO Box 36
Mt. Freedom, NJ 07970
Ph: (973) 252-6634 Fx: (973) 252-6630
keith.kubik@grassrootsturfonline.com
ken.kubik@grassrootsturfonline.com

JOHN DEERE GOLF

Tom Hannigan
6 Berkshire Road
Westampton NJ 08060
Ph: (609) 265-1524
hanniganthomasj@johndeere.com

LEBANON TURF

John Hunt
1600 East Cumberland Street
Lebanon PA 17042
Ph: (315) 263-1974

MOUNTAIN VIEW SEEDS

Ted Kuenzi
8955 Sunnyview Road NE
Salem OR 97305

PLANT FOOD COMPANY

Ted Platz
38 Hightstown-Cranbury Station Road
Cranbury NJ 08512
Ph: (800) 562-1291
tplatz@plantfoodco.com

PROSEEDS MARKETING, INC/ ALLIANCE SEED

JP Olsen, Henry Lesinski
13965 Westside Ln S
Jefferson OR 97013
Ph: (541) 928-9999

STORR TRACTOR COMPANY

Mary Lou DesChamps
3191 Highway 22 East
Branchburg NJ 08876
Ph: (908) 722-9830
storrtractor.com

SYNGENTA

Dennis E. DeSanctis Jr.
Lee Kozsey
Plant Protectants
PO Box 7182
Monroe Township, NJ 08831
Ph: (732) 580-5514 Fx: (609) 918-1696
Dennis.DeSanctis@syngenta.com

THE SCOTTS COMPANY

John Sass
14111 Scottslawn Road
Marysville OH 43041
Ph: (937) 644-7260

TURF TRADE

Alan Phillips, Steve Segui, Mike Nicotra
Fertilizer, Seed, Plant Protectant Supplies
517 Franklinville Road
Mullica Hill, NJ 08062
Ph: (856) 478-6704 Fx: (856) 478-0842
aphillips@theturftrade.com
ssegui@theturftrade.com
mnicotra@theturftrade.com

President's Message

by Matt Sweatlock, NJTA President

I can't believe it's already September. It seems like yesterday we were discussing whether the first week of April was too late to apply pre-emergence crabgrass control. Hopefully everyone survived the dog days of summer. For me, I'm happy autumn is just a few weeks away.

Turf professionals from fifteen states and Canada attended **Field Days**, the two-day tour of the research farms on July 31st and August 1st. The total attendance was 733, a testament to the value of the turf program at Rutgers. I thank Pedro Perdomo, Tracy Wadhams, Cece Peabody and the committee for their dedication and efforts in making this event a success. I also thank the sponsors and volunteers for their continued support of the NJTA and Rutgers.

Our next event is the **GREEN EXPO** to be held December 4-6, 2012. Chris Carson, Keith Kubik and the committee are finalizing the educational portion of the program and to date, about fifty companies and organizations have committed to the trade show.

My past messages highlighted the importance of membership. An association cannot grow unless it has a healthy membership. A healthy membership is one that has a blend of repeat members and new members. Member participation in the association's committees is also important. They are a source of new ideas and new direction.

The NJTA is a blend of turfgrass professionals with representatives from all aspects of the turf industry with many of our members belonging to more than one of the turf industries associations. I believe it is important to support multiple organizations. For me, as a cemetery, the NJTA provides me with a level of turf related education and networking that could only be offered by an association with the resources to provide programs with nationally renowned speakers on a diverse range of topics. Field Days offer a hands-on experience of the research done by Rutgers on both fine and landscape turf and demonstrations of sports turf equipment. . GREEN EXPO offers educational breakout sessions in Golf & Fine Turf, Lawn & Landscape, and Sports Fields while the trade show includes a Turf Advisory Board meeting and a meeting hosted by the NJGIC that includes the leaders of the various turf industries in New Jersey. Before the formation of the NJGIC, the NJTA hosted an open forum discussion of the allied associations at GREEN EXPO. For me, the NJTA fills a void of knowledge and resources in turf management not available through the NJ Cemetery Association.

continued on pg 4



Table of Contents

Clippings

2012 NJTA Patron Directory	2
President's Message	3
From the Executive Director	4
The Power in Numbers	5
GREEN WORLD:	6
Rutgers Turfgrass Field Days Recap	7
Why NJTA Membership is Important	9
Can You Identify These Men?	10
Rutgers Field Days Pictures	11 - 13
Green Expo 2012 Ready to Go	14
Green Expo Registration Form	18
Green Expo Schedule Highlight	19
NJTA Membership Application - Updated	21-22
Rutgers County Extension Contacts	23
Calendar of Events	23
NJTA Board of Directors	24

Please keep us informed of any changes
to your member profile
(Company/Address/Email)

Call Us • Email Us • Mail Us

NJTA
25 US Highway 46 West
Wayne NJ 07470-6801
(973) 812-6467
execdirector@njturfgrass.org



New Jersey
Turfgrass
Association

25 US Highway 46 West
Wayne, NJ 07470-6801
Phone: (973) 812-6467
Fax: (973) 812-6529
www.njturfgrass.org

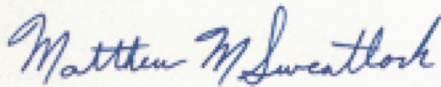
President's Message...continued

from page 3

The NJTA realizes the value of allied associations and the benefits joint memberships bring to the table. Last month the NJNLA hosted the Summer Plant Symposium. Shannon Sked was one of our representatives at the symposium and will share his experiences with you later in this newsletter.

We work together, support each other's functions, share a common goal and provide our members with the information they need to better themselves as turf managers for their business.

Faithfully submitted,



Matthew M Sweatlock
President, NJTA

KEY EVENT:

GREEN EXPO

December 4 - 6, 2012



Lions & Tigers & Bears...Oh My

by Cece Peabody, MAT, CMP,
NJTA Executive Director



What did you do on your summer vacation? Did you get to enjoy some 'down time' with family and friends? Hopefully so.

I enjoy reading more in the summer as the days are longer. I just finished reading *Steve Jobs* by Walter Isaacson. I've been a proud owner of a Macintosh since the first ones came out (my early experience with PCs was very difficult with the DOS programming). After reading this book, I appreciate the elegant simplicity of Apple products even more. I also better understand the complexities of the man who was the visionary -- the brutally honest and enlightening story of Steve Jobs and his relationship with Bill Gates, Disney, and many more was fascinating. I highly recommend this book.

Of course I had to indulge in the *Fifty Shades of Gray* trilogy by E. L. James -- just so I could say I knew what others were talking (or whispering) about -- and everywhere I went they were talking about these fast reading books.

Another book I truly enjoyed was *The Language of Flowers* by Vanessa Diffenbaugh. The story was based on one girl who barely survived growing up in the foster care system. The information about the meaning of flowers and how this belligerently smart young lady used flowers to create a business and affect the lives of many was truly fascinating. I'll never think the same way about flowers again. I was so inspired that I read the book a second time...and I never do that.

On Beauty by Zadie Smith was a recommendation from my book club. The story takes place in a prestigious university community and chronicles two families. The families are competitive and a bit dysfunctional and the story has many layers, but our discussion was lively.

Saw a few movies...*Fly Fishing in the Yemen* was my favorite...not a blockbuster but an interesting premise. And in between all of this, I was keeping track of my son who is walking the Appalachian Trail this summer -- a GPS tracking device called The Spot has given me peace of mind as he treks on his own. And a fun trip to Tennessee to visit family capped off my August.

Oh my...I'm very lucky to have had a full and fun summer! I'd love to hear what you did...send me an email and share...execdiretor@njturfgrass.org

Cece Peabody
Executive Director

The Power in Numbers

by Shannon Sked, NJTA Vice President

As a Rutgers graduate (CC '00), I am always looking for opportunities to stay entrenched in the greater Rutgers community. One of the greatest benefits of having the opportunity to be involved with the NJTA is that I get to stay rooted into that community. Every year, I look forward to the annual Rutgers Field Days at Hort Farm II and the Adelphia Extension Research center. There, I get to retrace some of the steps I took as an undergrad at Rutgers with fond memories. So it is no surprise at all that I was looking forward to this year's Summer Plant Symposium at Rutgers Gardens.

On Tuesday, August 14th, the *New Jersey Nursery and Landscape Association*, one of NJTA's allied associations, held its Summer Plant Symposium. It was a well-attended event with over 150 attendees from across the Garden State. *Shaun Barry*, NJTA Membership Committee Chair, *Thom Ritchie*, NJTA Allied Associations Committee Chair, and I participated as NJTA partners for this event. The sessions for attendees included

- Education sessions from industry and allied association leaders
- Tours to cutting edge garden centers and impressive landscape design sites
- Demonstrations of tree spading and air spading by Bartlett Tree Experts
- Sponsor presentations and displays
- A phenomenal keynote speaker in Rick Lewandowski
- Rare plant auction that benefited the Education Foundation
- An allied association panel for questions and answer from attendees
- Great barbeque dinner and networking event

The educational sessions were incredibly informative. From technical information on weeds and invasive species to water and legislative issues in NJ, the sessions offered were both revealing and practical to industry professionals. There was even a presentation regarding pricing trends with chemicals and fertilizers as we enter 2013, which offered insight on just how much worldly events can influence materials costs. The tours offered an opportunity for attendants to see firsthand how NJ businesses conduct their operations and deal with all the issues that garden centers, food markets, and farmers have to manage. In all, these classroom type and tours type educational experiences provided all participants a unique look into some of the drivers that define our industry.

Towards the end of the educational session, the allied association partners were able to get together to directly address concerns of industry professionals as a panel. Representatives from the NJ Nursery and Landscape Association, the NJ Green Industry Council, the South Jersey Landscape Contractors Association, and the Association of Professional Landscape Designers along with myself from the NJ Turfgrass Association fielded roundtable questions from the attendees.

Most of these questions were similar to those I've encountered at many of our NJTA events such as Rutgers Field Days and the NJ Green Expo. The legislative environment and changes in legal compliance issues overwhelm the concerns that professionals are dealing with inside the green industry. *Nancy Sadlon*, Executive Director of the NJ Green Industry Council, was present to offer an education session on the Certified Fertilizer Applicators Program as well as discuss what the NJ Green Industry Council along with the various allied associations is doing to help professionals with these laws.

In the end, I walked away from that panel discussion with the confirmation that these issues are universal throughout the green industry. Compliance and regulation concerns are confronting professionals from all fields within the green industry including landscape professionals, golf course superintendents, cemetery managers, sports field managers, fine turf professionals, and nursery growers and others alike.

What is encouraging as I sat on the panel was the leadership presence from all the associations involved. While NJTA's mission centers on promoting the turf industry through education and prides itself on its partnership with Rutgers University, our membership is impacted the same. Therefore, the partnerships we have developed with our allied associations along with the relationship we have established with the NJ Green Industry Council has been instrumental in allowing us to support science-based initiatives as they relate to these issues.

It was apparent as I stood there with my counterparts that our strength comes from the numbers that we, collectively, bring to the industry. And that allows all of our allied associations the ability to help our memberships' voices to be heard on such critical topics.



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

Practical Fungicide Resistance in Turf Stands -- Part 2

*by Richard Buckley,
Soil Testing and Plant Diagnostic Services
New Jersey Agricultural Experiment Station*

In the last issue, fungicide resistance was defined as a stable, inheritable adjustment by a fungal population to the toxic effects of a fungicide. We also established that the adjustment by the fungal population to the toxic effects of the fungicide does not develop spontaneously. The ability of a local fungal population to tolerate the fungicide program generally occurs after the repeated use of materials in the same chemical class over a period of time. Resistant biotypes are found in all fungal populations and are subsequently selected by the fungicide program. When the resistant biotypes come to dominate in the turf stand satisfactory disease control will no longer be provided by the fungicide. This is known as practical resistance. Practical resistance in the field can be measured in the laboratory by comparing fungal growth rates on fungicide-amended and non-amended mycological media.

Be aware that all fungicide failures are not due to practical resistance. Improper diagnosis, improper dilution rates, poor selection of materials, bad timing, tank incompatibilities, improper calibration and bad nozzle choices are just a few of the possibilities. That being said, if one experiences control failures in the field and the fungal population has been screened by a qualified laboratory and determined to be insensitive to the materials in the program, then adjustments to the fungicide program are in order. In some cases the suspect materials need to be eliminated entirely. For other materials, one could simply suspend their use for a period of time.

The duration of resistance to any fungicide depends on the biological fitness of the resistant fungal biotype. The resistant strains of the fungus selected by a fungicide program must be able to compete with the other microbes in the soil and thatch. If their competitive ability is good and they can survive in high enough populations to incite a disease outbreak, then the resistance will persist on the site. Past research on *Sclerotinia homoeocarpa*, known presently as the cause of dollar spot, indicates that resistant biotypes selected by the use of methyl benzimidazole carbamate (MBC) fungicides are good competitors and those selected by the use of sterole demethylation inhibitors (DMI) are not. In practice then, we would expect to see a nearly permanent insensitivity of *Sclerotinia* to thiophanate methyl, an MBC fungicide, in the field and would need to eliminate that product from the current and future dollar spot control program. If propiconazole, a DMI product was determined to be the cause of the resistance, one would see the DMI

resistant biotypes wane over time due to their poor competitive ability. In this case, we could eliminate the DMI products from the program temporarily and then reintroduce them back into the program after 12 months.

Although practical resistance can be identified and remedied in any disease control program, we feel that the best approach is to manage and prevent resistance problems in the first place. Please note that the risk of fungicide resistance is especially great for a number of the penetrant (systemic) materials. Certain materials have greater risk than others, but there is always some risk inherent in the use of any of these "newer" products. In contrast currently available contact materials have essentially no risk of resistance. Therefore, an effective strategy to manage fungicide resistance involves the use of a broad range of materials, both contact and penetrant, in different chemical classes according to the manufacturers' label specifications.

The following is a list of suggestions for resistance management:

1. Do not rely on fungicides as your only control option. Integrate cultural practices that enhance turfgrass growing condition and create unfavorable conditions for the pathogen.
2. Do not use the same fungicide or those fungicides in the same chemical class for more than three successive applications.
3. Do not use fungicides above or below label specified application rates.
4. Tank mix materials whenever possible. Use mixes proven to provide synergy in University trials.
5. Make applications in the proper dilution according to label specifications.
6. Use the proper nozzles to get uniform applications and good coverage.
7. Make preventive applications rather than curative.

Concern over fungicide resistance in food production led to the formation of a worldwide consortium of scientists representing fungicide manufacturers called the Fungicide Resistance Action Committee. This group created a coding system for each unique fungicide group (chemical class) called FRAC codes. This information clarifies the relationships between fungicides based on biochemical target sites in fungal metabolism, which allows turfgrass managers "ease of use" when planning rotation and tank-mixing programs. Simply choose among products that do not share the same FRAC code. The codes are available at www.frac.info/frac.html.

2012 Rutgers Turfgrass Research Field Days Recap

by Tracy Wadhams, Co-Chair

Golf & Fine Turf Day TUESDAY, July 31, 2012

What could be better? Exceptional weather, phenomenal research, record attendance, and a great time. Fine Turf Day was one of the highest attended Field Day events since its inception, with 354 attendees. Thanks for being part of it!

Some of the day's research highlights were strategies for the control of anthracnose of *Poa annua*, new herbicides for weed control on golf courses, new bentgrass cultivars and management practices for greens and fairways, advances in disease, insect and weed control, and lastly trials on cool-season grasses.

Lunch was served under a big circus-type tent that was donated by Ned Lipman (Office of Continuing Education (OCPE)), which was a delightful addition and appreciated by all.

Another first-time event occurred when Dr. Murphy conducted the first in-person PROFACT review and exam. Approximately 20 people signed up for the exam.

The Silent Auction, whose proceeds directly benefit the NJTA Foundation, drew new items and services, and happy winners -- in fact, this was the best one to date. Thanks for the generosity of the donors and the winners. The day ended with attendees receiving credits for the day...and good comments for the research and organization of the day.

Lawn, Landscape & Sports Fields Day WEDNESDAY, August 1, 2012

The event started out with a beautiful sunny day. Attendance was fabulous, with a near record day of 379 attendees. However, the weather quickly changed from superb to surreal in a matter of a few hours. We were able to showcase several research plots before ushering everyone off the fields and plots.

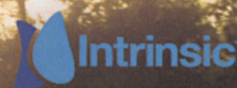
By 11am, the rain forced us all under cover. We still provided a hearty lunch from Twin Oaks Caterers, as well as the many CEUs for everyone who waited out the storm. Even though a day's worth of research plots were planned, including weed control strategies for landscape turf and major advances in turfgrass breeding, those who stayed had the chance to have one on one conversations with researchers.

The Silent Auction on this day was successful too. Thanks to the donors and winners...the NJTA Foundation appreciates your generosity.

A follow up survey was emailed and valuable feedback was shared...the Field Days committee incorporates this information to make next year's events even better. Thanks for participating.

These two days would not be successful without two components -- Rutgers researchers who showcase their months of hard work, and Attendees who come to learn the latest education to apply to their business. Thanks for attending and we will see you next July!





"Bring the heat, Mother Nature."




"I used to shrivel at the thought of disease or a dry spell. But Insignia® SC Intrinsic™ brand fungicide changed that. With disease control and research proven plant health benefits that give me a better root system, I can handle stresses like drought and moisture events, extreme temperatures, and aeration — better than ever."

Intrinsic brand fungicides don't just fight disease; they give turf the resilience to endure stress. Find out more by contacting Ted Huhn at theodore.huhn@basf.com, 443-206-1095 or Dave Schell at david.schell@basf.com, 410-800-8762.




Always read and follow label directions. © 2012 BASF Corporation. All rights reserved.



MVS LEADS...

in Turfgrass Innovation.



LATERAL SPREAD
TECHNOLOGY
BRAND

- **LS Perennial Ryegrass:**
Lower seeding rates
Self repairing, spreading, perennial
ryegrass brand
- **Breakout Turf Type Annual:**
Darker, finer, denser
Available Fall 2012

We Make Buying Grass Seed Easy.


Ask your dealer or go to www.mtviewseed.com for more information.

MOUNTAIN VIEW SEEDS
Phone: 503.588.7333 • Email: sales@mtviewseeds.com
www.mtviewseeds.com


**WE DIDN'T JUST ENGINEER A
GAME CHANGING
GREENSMOWER. WE DID IT TWICE.**

The new Toro® Greensmaster® Flex™ and eFlex™ redefine precision cutting. But don't take our word for it, see what superintendents are saying. Visit toro.com/leaderboard.


The Leader in Golf.



**Greensmaster®
Flex™ & eFlex™**



Storr Tractor Company
Branchburg, NJ
908-722-9830 storrtractor.com



Why Membership in the NJTA is So Very Important!

by Shaun Barry

As you look through this issue of Clippings you will see an application for membership into the NJTA. If you are like most people, you won't get to read this until the season slows down a little bit. That is when you get a chance to catch up on those non-work things. You know. Those things called life. It may be the reason why your membership begins on Jan 1st of each year. If it was in June or July we would probably lose half of our members just because they were too busy to stop and send in their renewals.

What you may not realize is that the NJTA is also busy working while you are working. The Board of Directors is made up of members who represent almost every part of this industry. They do what you do and they also volunteer their time for monthly board meetings that often are an hour away from their homes. In addition to that, they are on committees. Not to show people how important they think they are, but to do important work that supports this industry. In 2012 these members have planned and hosted the Rutgers Turfgrass Golf Classic and the Rutgers Turfgrass Research Field Days.

The Golf Classic raised almost \$120,000 this year which means that in 17 years, this event has a fundraising total of over \$1.3 million dollars. That money goes directly into our Foundation and every dollar will go to support the Rutgers Turfgrass programs. Just think how important that is to the turfgrass program that provides you with the help to run a successful business. Even with Trenton cutting financial support to the university, Drs. Clarke, Meyer, and Murphy are able to continue doing what is needed. Your support of NJTA has been a major reason for them being able to continue their work.

The Field Days are broken into a day for golf course turf and one for lawn care and sports turf. The golf day had record attendance of 354 people and the lawn care and sports turf day was trending in that direction but was shortened because of severe weather. They did have 379 registrations but not everybody showed. These field days are not meant to raise a lot of money but rather to provide an opportunity for turf managers to see first hand what Rutgers is doing and also to provide needed educational credits. It is one of the benefits that come from your membership in NJTA. You support the association and it supports the industry.

www.njturfgrass.org

The one key component in these two events is that they are run by committees made up of volunteers and those volunteers are from the NJTA. This association may not be the first thing on your mind, but your needs are the first thing on the minds of the NJTA board and committees.

There are many other reasons for people to join and we will keep trying to do more. For us to succeed we need two things:

(1) We need to have you join and if you do, why not add someone from your staff or convince a friend to join with you. The more people in this industry who choose to stay connected and informed will mean that there are more people doing the right thing and that is what this industry needs.

(2) The second thing that we need is for you to think about getting involved. Join a committee or run for the board.

Give back by helping the NJTA succeed.



New Jersey Turfgrass Association

The NJTA Membership Application has been refined for 2013. Categories of membership:

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

Anyone who renews their membership for 2013 or becomes a new member with the enclosed member application will receive discounted registrations for the Green Expo in December, and for 2013 Field Days.

Regular 2013 NJTA Member Renewal notices will be mailed on January 1, 2013.

Can You Identify These Two Men?



“Two Founding
Fathers of the
New Jersey Turfgrass
Industry,
_____ and
_____.
Picture taken mid-1960’s.”

*Picture and text submitted by
Steve Tubbs, Turf Merchants, Inc.*

Thanks very much, Steve.

If you think you know who these two gentlemen are, send an email right now to execdirector@njturfgrass.org with the 2 names -- who is the one on the right and who is the one on the left.

We'll tabulate the responses...and let you know how many correct answers there were in the next issue of Clippings.

Scott's Turf Builder
ez seed

GROWS ANYWHERE! GUARANTEED!

*Subject to proper care. ©2012 The Scotts Company LLC. World Rights Reserved. 12SE04

SEETON TURF
• Warehouse, LLC •

*Turf & Horticultural Professionals Source for Superior Products
Fungicides, Herbicides, Insecticides, Seed & Fertilizers*

Armory-Tech
Quality Turf Products

SMS
Additive Solutions

United Turf Alliance

BASF
Nature Safe
Ammonium

Nularm

LANDMARK

Pennsylvania & New Jersey Locations

Mount Laurel, NJ
25 Roland Avenue
Mount Laurel, NJ 08054
Phone: (856) 273.5939
Fax: (856) 273.0998
Golf Course Representatives:
Brian Gjelvik (973) 670.7139
Brian Bontemps (845) 239.7959

Egg Harbor, NJ
1617 Mays Landing Road
Egg Harbor Township, NJ 08234
Phone: (609) 653.6900
Fax: (609) 926.4531
Lance Seeton (609) 471.6797
Golf Course Representative:
Bill Cimochowski (609) 923.4045

Warminster, PA
620 Louis Drive
Warminster, PA 18974
Phone: (215) 355.5655
Fax: (215) 420.7387
Golf Course Representatives:
Michael Linkewich (267) 688.8900
Steve Rudich (610) 349.9519



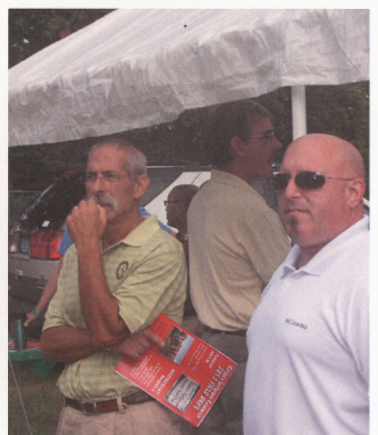
FIELD DAYS 2012: GOLF & FINE TURF



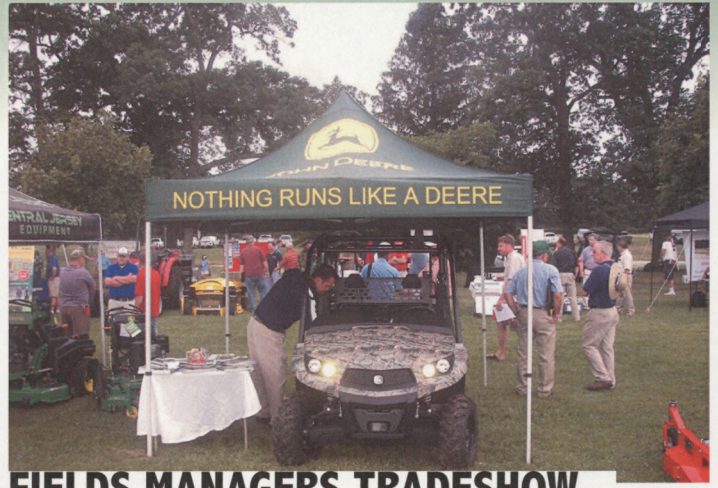
Photos Courtesy of: Matt Sweatlock and Shaun Barry. Thanks!



FIELD DAYS 2012: LAWN, LANDSCAPE, & SPORTS FIELDS



Many thanks to Matt Sweatlock and Shaun Barry for taking the pictures.



SHOWCASING AT THE SPORTS FIELDS MANAGERS TRADESHOW



Green Expo 2012 is Ready to Go! December 4, 5, and 6 at Trump Taj Mahal in Atlantic City

by Chris Carson, Expo Chairman

Need something to look forward to after a long, hard summer? Green Expo 2012 is just the ticket to obtain the **knowledge** and **pesticide applicator recertification credits** you need to operate your business... and the social activities and renewed friendships that will help you celebrate the end of another year.

The planning committee has been hard at work since February to make sure we have the best speakers and topics available, and we have internationally respected speakers from around the country flying in just for you.

In golf, our GCSANJ and USGA partners have lined up a superb team to address your concerns, including programs on green speed management, water use, and dealing with reduced budgets. The NJ Sports Field Managers Association has a full slate of quality speakers, including Tuesday's session on school grounds issues (many **category 13 credits** for this one!).

If you are a Lawn and Landscape professional, you will have many opportunities to learn about the topics that concern you most, and that will help you develop or refine your operation to be more effective, efficient, and environmentally sound.

Need Core credits? Green Expo is loaded with them, including our traditional Tuesday morning and Thursday afternoon core sessions that will supply 9 of these important credits to you. Don't forget that by attending you and your team will be reviewing the important basics that are the foundation of a sound and legal operation.

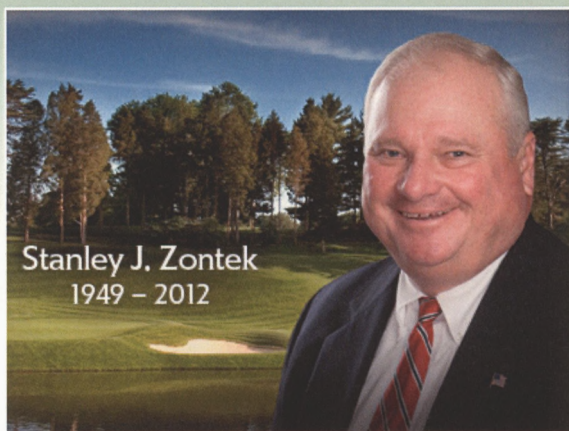
By now, many in the turfgrass community are aware of the New Jersey **fertilizer certification laws**, and most have fulfilled their training and testing. But if you haven't, or if you have members of your team who are new, then Rutgers professor *Dr. Jim Murphy* will be presenting a special program on Thursday afternoon that will review the new law, provide some training and tips to help you pass the test, and make available the chance to take the test, all in one session. This testing is also being offered to address the concerns expressed by those who are uncomfortable taking the test by computer. There's a separate fee to cover the costs of the development of the certification program and the testing, so if you are interested take a look at the Green Expo brochure for details.

As always, education is our main focus, but there are



many social activities available as well. Whether you join the crowds at the hospitality suites, enjoy the free food, drink and conversation on the trade show floor, or share in the hallway conversations, there's plenty for everybody. When you take a look at the **very low cost per credit**, and add in all of the extras that are included (including three meals), we are sure you will agree that the Green Expo is a bargain and not to be missed.

There's only one place to be Tuesday through Thursday, December 4-6: with your friends at **Green Expo 2012!**



Stanley J. Zontek, director of the USGA Green Section's Mid-Atlantic Region, passed away on August 28th after suffering a heart attack. He was 63.

The organization's longest-tenured employee, Stanley joined the USGA in 1971 after graduating from Penn State University. Stanley was a world-renowned turfgrass expert who shared his extensive knowledge for 41 years through articles, speeches and course visits. He was recognized for his contributions with many awards, including the 2006 Golf Course Superintendents Association of America Distinguished Service Award, the 1997 Golf Course Builders Association of America Don A. Rossi Award and the 2007 Crop and Soil Sciences Outstanding Alumni Award from his alma mater. He was a member of the Golf Course Superintendents Association of America and the British International Golf Greenkeepers Association.

Stanley helped establish many of the best turfgrass practices still in use. During his career, he helped thousands of courses around the world to achieve the best conditions possible, whether in preparation for USGA championships, for everyday play or while helping maintain the putting green at the White House.

As much as he was respected for his professional expertise, Stanley touched many more lives with his passion, generosity and spirit. He was always willing to help out, and he gave far more of himself than he took from others.

He loved the USGA and dedicated his career to serving the game that he loved. He was a true ambassador for the USGA, and nobody better personified our work "for the good of the game."

RUTGERS UNIVERSITY, Department of Plant Biology and Pathology, has been awarded a USDA Specialty Crops Research Initiative (SCRI) grant for the project 'Germplasm Improvement of Low-Input Fine Fescues in Response to Consumer Attitudes and Behaviors' in the amount of \$2,136,489.

This is a joint project between Rutgers, University of Minnesota, and University of Wisconsin.

Rutgers people involved include Stacy Bonos, William Meyer, Bingru Huang, James Murphy, and Bruce Clarke.

Congratulations to all!

Bryan Bolehala
 Technical Sales Representative
 201-874-8060
Bryan.Bolehala@clearychemical.net
www.clearychemical.com

Cleary
 TURF & ORNAMENTAL PRODUCTS

New Jersey

GREEN EXPO

Turf and Landscape Conference

2012 GREEN EXPO Turf & Landscape Conference

December 4 – 6, 2012
Trump Taj Mahal Casino
Resort, Atlantic City NJ

DISCOVER

*Come to
Discover
Business
Opportunities*

DISCUSS

*Come to
Discuss
Education*

DEVELOP

*Come to
Develop
Your
Network*

"What a wonderful group! Thank you for the hospitality shown and the attentive professionalism of everyone."

Bob Farren, CGCS, Pinehurst Resort, NC – Director of Golf Course & Grounds Management

RUTGERS
THE STATE UNIVERSITY

Golf Course Superintendents Association of New Jersey

"Turf Colleagues, Thanks for inviting me ... I was impressed with the attendance and the positive buzz Keep up the good work!"

Douglas Linde, PhD, Delaware Valley College



Bayer

WWW.GRIturf.COM



***Focused on Service, Technical
Support and Quality Products***

Since 1978

**Golf Division: 973-252-6634
Lawn & Sports Turf: 973-252-5455**



Do you have an article that
would be great to share
with other NJTA members
about the turfgrass industry?

We would love to include a Bio about you and your company.
We would love to hear what's important to you.

Please consider connecting, sharing and
sending your ideas, your thoughts,
your perspectives and your articles.
Tell Us What You Think.

Email them to: execdirector@njturfgrass.org
Cece Peabody, Executive Director

Thanks in advance!

GREEN EXPO 2012



ATTENDEE REGISTRATION

December 4, 5, 6, 2012

Trump Taj Mahal Casino & Resort • Atlantic City, NJ

New Jersey Turfgrass Association (NJTA) proudly presents the New Jersey GREEN EXPO Turf & Landscape Conference, in partnership with the Golf Course Superintendents Association of NJ (GCSANJ), in cooperation with Rutgers University/School of Environmental and Biological Sciences (SEBS), Sports Field Managers Association of NJ (SFMANJ), and NJ Green Industry Council (NJGIC).

— ATTENDEE INFORMATION —

Use this form for yourself and your spouse/guest. Duplicate form for additional registrants, and provide complete information for each registrant. Thank you.
Download additional forms at www.njturfgrass.org.

Today's DATE _____

Name (PRINT CLEARLY) _____

Company Name _____

Title _____

Mailing Address _____

City _____ State _____ Zip Code _____

Ph # _____ Fax # _____

E-mail _____

Confirmation sent via email

Spouse Name: (PRINT CLEARLY) _____

— TURFGRASS INTEREST —

Tell us What Category BEST fits your Business:

<input type="checkbox"/> Golf Course	<input type="checkbox"/> Lawn Maintenance
<input type="checkbox"/> Cemetery	<input type="checkbox"/> Lawn Care Applicator
<input type="checkbox"/> Sod Producer	<input type="checkbox"/> Landscape Contractor
<input type="checkbox"/> Parks & Recreation	<input type="checkbox"/> Landscape Designer
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Manufacturer/Supplier
<input type="checkbox"/> Schools & Athletic Fields	<input type="checkbox"/> Other _____
<input type="checkbox"/> Student	<input type="checkbox"/> Professional (Professional, University)

— HOTEL RESERVATIONS —

\$69.00 Room Rates in Taj Tower or \$89.00 in Chairman Tower.

Make Hotel Reservations by calling Trump Taj Mahal Casino-Resort directly or booking online yourself. Call **1-(800)825-8888** and provide **GROUP Code ATURF12**. **Cut-off date for discounted rates is November 11, 2012**

Reservations made after this date are based on space availability and prevailing hotel rates. Make Hotel reservations online using the link below:
<https://resweb.passkey.com/go/NJTurfgrass2012>

— 2013 NJTA MEMBERSHIP —

☐ Renewal ☐ New Membership Year: January 1, 2013 - December 31, 2013

<input type="checkbox"/> Individual Member	\$ 80.00
<input type="checkbox"/> Business Partners (Mfg/Suppliers/Sod Producers) (Up to 4)	\$275.00
<input type="checkbox"/> Turfgrass Partners (Golf, Lawn, Landscaper) (Up to 3)	\$210.00
<input type="checkbox"/> Addl Partners (Business or Turfgrass)	\$ 65.00 ea

1. _____
2. _____
3. _____
4. _____

MEMBERSHIP Amount \$ _____

— EARLY BIRD REGISTRATION CHOICES —

Wednesday, November 11, 2012, is final date to register using this form.
After this date, **PRICES INCREASE** and You **MUST** register **ONSITE**.

Did you attend the 2011 Expo? <input type="checkbox"/> YES <input type="checkbox"/> NO • NO Trade Show on Thursday	NJTA or GCSANJ MEMBER	NON-MEMBER RATE	TOTAL FEE
<i>Food Functions include: Lunch on Tuesday; Dinner at Trade Show Tuesday & Lunch at Trade Show Wednesday. Other Receptions & Hospitality Suites - By Invitation • 2012 MEMBERSHIP SUBJECT TO VERIFICATION</i>			
THREE (3) DAYS: Education, Trade Show, Food Tuesday, Wednesday, and Thursday	\$ 200	\$ 285*	\$ _____
(*Non-Member Rate includes (1) INDIVIDUAL Membership for 2013)			
TWO (2) DAYS: Education, Trade Show, Food Which Days? ____ Tues ____ Weds ____ Thurs (No Trade Show)	\$ 155	\$ 205	\$ _____
ONE (1) DAY: Education, Trade Show, Food Which Day? ____ Tues ____ Weds ____ Thurs (No Trade Show)	\$ 105	\$ 130	\$ _____
SPOUSE BADGE: (Entire Event) Spouse Name _____	\$ 65	\$ 90	\$ _____
TRADE SHOW ONLY: (Includes Food & Education Sessions on Trade Show Floor)			
Attendees BOTH TUESDAY AND WEDNESDAY	\$ 85	\$ 100	\$ _____
Attendees TUESDAY OR WEDNESDAY	\$ 65	\$ 80	\$ _____
Which Day/s? ____ Tuesday ____ Wednesday			

TOTALS: REGISTRATIONS & MEMBERSHIP

REGISTRATIONS \$ _____
MEMBERSHIPS \$ _____
TOTAL DUE \$ _____

Payment Information: Please Print Clearly

____ Check. Check Number # _____
____ Purchase Order # _____ (include paperwork)
____ Credit Card: ____ Visa ____ MasterCard ____ AMEX

Card No. | ____ | ____ | ____ | ____ | ____ | ____ | ____ | ____ | ____ | ____ |

Expiration Date (Month/Year) ____ // ____

Security Code*: ____ *3 OR 4 digit security number on card.

*Payment cannot be processed without these security code numbers.

Billing Address (# only if different) _____ Zip _____

Cardholder's Name _____

X Signature _____

CHECK: Make Payable to NJTA • CREDIT CARD: Fax, Register Online, or Mail

New Jersey Turfgrass Association

25 US Hwy 46 W, Wayne, New Jersey 07470-6801

Phone: (973) 812-6467 • Fax: (973) 812-6529

F.E.I.N.: 23-7453656

Web: www.njturfgrass.org • Email: execdirector@njturfgrass.org

Register Online at: www.njturfgrass.org

Final Deadline Date for Receipt of this Registration Form is November 11, 2012. After this date, everyone must register ONSITE. Cancellations in writing received prior to November 11, 2012, will be assessed a \$50 cancellation/processing fee. We regret that **NO REFUNDS** will be granted after November 11, 2012. Register Online: www.njturfgrass.org



2012 GREEN EXPO SCHEDULE

-- Final Schedule may be adjusted --

On Site Brochure will have Confirmed Schedule, Rooms, Speakers, Sponsors, and more

TUESDAY	December 4, 2012	Room	
7:00 AM -	Registration Opens	Registration Booth	
9:00 AM - 11:30 AM	Core Session	Tiara A & B	
11:30 AM - 12:50 PM	Awards Luncheon & Opening Session	Diamond A/B/C/D	
1:00 PM - 4:00 PM	GCSANJ/USGA Golf Sessions	Tiara A	
	Sports Field Sessions	Bronze	
	Lawn & Landscape Sessions	Tiara B	
4:00 PM - 8:00 PM	TRADE SHOW with Dinner	Grand Ballrooms	
4:30 - 5:00 PM	Core on Floor	TS Floor	
6:30 - 7:00 PM	Repeat of Core	TS Floor	
5:30 PM - 6:00 PM	Additional Education	TS Floor	
8:00 PM - 12:00 PM	Hospitality Suites	14 th Floor	
WEDNESDAY	December 5, 2012	Room	
6:30 AM	Registration Open	Registration Booth	
7:30 AM - 8:45 AM	Breakfast	Gold	
9:00 AM - 11:30 AM	GCSANJ Golf Sessions	Tiara A	
	Lawn & Landscape Sessions	Tiara B	
	Sports Field Managers Sessions	Bronze	
11:30 AM - 2:30 PM	TRADE SHOW with Lunch	Grand Ballrooms	
2:30 PM - 5:00 PM	GCSANJ Golf Sessions	Tiara A	
	Lawn & Landscape Sessions	Tiara B	
	Sports Field Managers Sessions	Bronze	
3:00 PM - 4:30 PM	Rutgers Turfgrass Advisory Mtg	TBD	
5:00 PM - 7:00 PM	Golf Mix & Mingle Hospitality	TBD	
THURSDAY	December 6, 2012	Room	
7:00 AM	Registration Open	Registration Booth	
8:00 AM - 12:00 PM	Rutgers Seminars: Golf	Tiara A	
	Lawn & Landscape: Buckley's Boot Camp III	Tiara B	
12:00 PM - 1:00 PM	Lunch on your own	--	
1:00 PM - 3:00 PM	Core Session	Tiara A	
3:00 PM - 4:00 PM	Fertilization Certification Training	TBD	
4:00 PM	GREEN EXPO Concludes	Thanks for Attending	



Turf Products for the Professional.

Syngenta offers a portfolio of products for golf, lawn care and sod farms. We have products you need to maintain healthy turf.

To learn more about Syngenta products, contact your local territory manager:

Dennis DeSanctis, Jr.
732 -580-5514

Lee Kozsey
215-796-0409

www.greencastonline.com

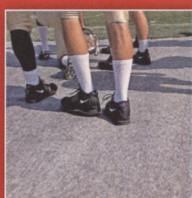
syngenta®

(C)2012 Syngenta. Important: Always read and follow label instructions before buying or using these products. The label contains important conditions of sale, including limitations of remedy and warranty. Some products may not be currently registered for use in all states. Please check with your state or local extension service before buying or using Syngenta products. Scimitar® GC is a Restricted Use Pesticide. Banner MAXX®, Barricade®, Concert®, Daconil Action™, Daconil ULTREX®, Daconil Weather Stik®, Daconil Zn®, Departure®, Fusilade®, Headway®, Heritage®, Instrata®, Medallion®, Meridian®, Monument®, Pennant Magnum®, Primo MAXX®, Renown®, Reward®, Scimitar®, Subdue MAXX®, Tenacity®, Trimec®, and the Syngenta logo are trademarks of a Syngenta Group Company. 1LRL2005 04/12

Make your sideline look as good as the end zone. FieldSaver® Sideline Tarps from CoverSports®!



NEW
TuffPrint™
CUSTOMIZATION



Blanket Style



ArmorMesh Style

UNMATCHED SIDELINE TURF PROTECTION

FieldSaver® Features:

- Durable-stands up to cleated football shoes
- Breathable-allows water and air passage
- Grommets at 3' intervals on all sides for stake down

Special offers **ONLY** at www.CoverSports.com/NJTA

For price quotes, colors, sizes and fabric specs, visit www.CoverSports.com/NJTA

sales@coversports.com • 800-445-6680

We make covers for all athletic surfaces: Rain Covers, Growth Covers, **EnviroSafe** Stadium Padding



Humphrys & CoverSports
Industrial and Athletic Fabric Products Since 1874



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

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

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: (This portion is tax-deductible) 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.*

CALENDAR

RUTGERS EXTENSION OFFICES & NUMBERS

2012 EVENT DATES

***Tuesday - Thursday
December 4-6, 2012***

GREEN EXPO

**Turf & Landscape Conference
Taj Mahal Resort, Atlantic City NJ**

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
Adelphia Farm, Freehold NJ**

***Tuesday - Thursday
December 3-5, 2013***

GREEN EXPO

**Turf & Landscape Conference
Taj Mahal Resort, Atlantic City NJ**

RCE of Atlantic County	(609) 625-0056
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. 973-812-6467

Answer to "Can You Identify" on page 10: Selmer Loft (l) and Reed Funk (r)

New Jersey Turfgrass Association

25 US Highway 46 W • Wayne, NJ 07470-6801

Phone (973) 812-6467 • Fax (973) 812-6536

Email: execdirector@njturfgrass.org • Website: www.njturfgrass.org

2012 Board of Directors

Matt Sweatlock, President

Shannon Sked, Vice President

Darrell Marcinek, Secretary

Dennis DeSanctis Jr, Treasurer

Keith Kubik, Past President

Shaun Barry, Director

Brian Feldman, Director

Matt Paulina, Director

Nick Polanin, Director

Pedro Perdomo, Director

Thom Ritchie, Director

Craig Tolley, Director

Tracy Wadhams, Director

Chris Carson, Expo Chairman

Dr. Bruce Clarke, Advisor

Dr. Jim Murphy, Advisor

Cece Peabody, MAT, CMP, Executive Director

The Rutgers Plant Diagnostic Lab

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

Below is a sample of services performed:

- 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