

new jersey turfgrass association

Green  
World



# clippings

Issue 1: 2015- Spring | VOL 90

## 2015 Rutgers Turfgrass Research Field Days July 28th & July 29th - Join Us!

*Picture Below: A range of hard fescue entries in an evaluation trial severely damaged by summer patch disease. Disease stops at plot edge with Chewings fescue (line defined by plot signs at field day.)*



# 2015 Patron Directory

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# President's Message

After a cool spring start-up, we're finally all in action! Several weeks of below average temperature days and still cold nights seemed to have delayed the start up season for a lot of us in the industry. However, some more recent weeks had nights with perfect temperatures for growth, sporadic rain days and other elements that have caused turf to "take-off", and with it, our operations.

Sitting at the Golf Classic recently, I realized the parallels between what we've experienced this spring in our businesses and what we've seen within our organization over the past decade. When I first joined the board nearly a decade ago, there was fine leadership in place. I sat in the Board of Directors meeting listening to goals of success for the industry as well as our organization. There was a sense of clarity and direction in each volunteer who made mention of what potential our industry has and what our organization can accomplish. The seeds were set. The root crown was established. We just needed the right environmental cues.

Since then, many of those goals, as aggressive as some might have seemed, have been realized. Not only were these goals realized, but as an organization, the NJTA has achieved those goals with such an energy that you can't help but be excited about what has happened over the past 10 years. I have mentioned many of these accomplishments in previous President's Messages written. In each case, it was as if the weather warmed, the roots pushed to shoots, and the fruition of growth has all participants in full operational functionality. All our crews are out and great things are happening.

More importantly, it's the purpose of such operations that must always be on the forefront of everyone's mind on the team. We mow patterns of perfectly woven lines into the front of corporate office parks, ensure that all greens are playable and in a healthy presence for golfers' enjoyment, and our children are out on the little league field with good turf under their feet in the outfield. Managing healthy and good quality turf is not necessarily the end goal. Rather, the satisfaction of our customers, our golfers and our little league players is the ultimate end result of the accomplishment of all of our business goals.

*Shannon Sked, NJTA President*



Similarly, the NJTA has reached goals set. Our membership is strong and thriving. Our events have achieved different records year over year. We've reached the \$1 million mark in research support to Rutgers as well as having a \$1 million corpus for the Foundation; along with policies and procedures in place. But these in and of themselves, while great accomplishments of which we should all be proud, fall short of the end result.

The health of the industry is why we are all a part of the NJTA. And I'm honored to serve as President of this great organization which, through achieving so many goals it set 10 or more years ago, can say that we have done great work in ensuring our industries health is sound, and moreover, at least in part due to the work of each member of the NJTA. We consistently get feedback on what questions are important to the industry and have had the fortune of receiving the results of great research on the part of Rutgers Center of Turfgrass Science's team. We create top-shelf networking opportunities at the events we host or coordinate throughout the year, allowing business professionals to gain insight and learn from amongst ourselves. We also, all together, have created a "can-do" culture within our industry, which goes out into our individual businesses and further to our interactions with customers, clients and end-users.

I can't imagine any of us attending an event, networking with such positive enthusiasm, and not having that positive energy bleed back out into our work careers. Personally, it's almost a "recharging" experience for me whenever I attend an event like our most recent Golf Classic. It's just great to get to be a part of what is going on with the NJTA! And it's even better to bring that enthusiasm back to my employees, customers, and business associates within my day-to-day work life. So let's invite them to join in the fun as well.

*Shannon Leif Sked: BCE, SQF  
Entomologist / Food Safety Specialist*

# Table of Contents

## Clippings

President's Message	3
From the Executive Director: Build Your Network	4
Golf Classic Celebrates a Birthday	5
Golf Classic Pictures	8
TopSoil Suitable for Landscape Use	10
In the Time it Takes to Form Soil	12
Rutgers Turfgrass Blog: Kyllinga Awakens	14
Meet NJTA Director: Matt Lindner	15
Government Affairs Update	16
Rutgers Turfgrass Field Days	17
Field Days Registration Forms	18
Field Days Sponsor & Silent Auction forms	20
Meet Dr. Raul I. Cabrera	22
What NJTA Does For You	24
Membership Application	25
Rutgers County Extension Offices	27
Calendar of Events	27
NJTA Board of Directors	28

### UPDATE YOUR MEMBER INFORMATION at [www.njturfgrass.org](http://www.njturfgrass.org)

*Sign in with your email and create a password.*

*Check out the Member Directory..*

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**[execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org)**

## Build Your Network

*by Cece Peabody, MAT, CMP,  
NJTA Executive Director*



The path to success has many roads and one of those is networking. Networking gives you the chance to gain knowledge and insight from like-minded professionals who have been where you are, and *are* where you want to be. Build your network - make powerful connections for professional success because the right connection can change your life.

There are almost 900 members in the New Jersey Turfgrass Association. How many do you know? Many are in the same type of business you are in....lawn and landscape, architects, golf course superintendents, irrigation, lawn maintenance, schools and athletic fields, manufacturers & suppliers, sod producers, cemetery, parks and recreation, and education professionals.

Attend as many NJTA events as you can [Golf Classic, Field Days, and Green Expo], and when you do, make sure to introduce yourself to at least 5 new faces you've never talked with before.

Share something about yourself and what you do before you even ask what a new contact does..this actually puts them at ease. Just a mention of a company or another person you know may trigger their connection to the same person, company, or to someone they think you may want to know.

Collect a business card (yes, these are still used), add them to your digital address book or phone app, share an email address and then follow up (if it makes sense to do so) with a quick note about your meeting. Create a Linked In profile, join an industry conversation that is trending on Twitter, update your social networking sites as often as possible with interesting topics in your field. Add your new connections to your network or ask to be added to their network.

If you can volunteer your time to assist at an event, you have another opportunity to get to know more members to network with.

Networking needs to be developed and nurtured so stay in touch with periodic emails, texts or phone. Keep building your contacts when you are at another event and follow the suggestions above. You would really be surprised to see how many more members you actually know.

Here's to your networking success! I hope you double your network by this time next year. Feel free to share any tips you have to build your network...email me at: [execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org).

# The Rutgers Turfgrass Golf Classic Celebrates a Birthday

by Shaun Barry  
Golf Classic Chairman

20 years ago, several New Jersey Turfgrass Foundation members met and discussed all of the ways to raise funds for the Rutgers Turfgrass Program. **Dr. Bruce Clarke, Dennis DeSanctis Sr, Rich Hurley and Dave McGhee** were the vocal leaders in making sure this would be a first class event. There had been other fundraisers and they had been successful, but not to the level that this committee felt they needed. The universal desire was to have this event at Fiddler's Elbow, but the club needed to charge \$175 a person. Dave McGhee was the manager and he wanted to make this event something special.

The committee agreed that they also wanted to make it a special event but they were concerned that the price tag would be too high for most people. If that was the case this event would fail. With that in mind Dennis was given the task to sit down with Dave and see what could be done to lower the cost.

After their lunch meeting, Dennis came back to the committee more convinced than ever that the price would not be an issue. Dennis and Rich fought for the \$250 entry fee that was required if you were going to have the event at Fiddler's Elbow, and make some money while doing so. For 1996, that entry fee was considered massive. Several committee members still felt nobody would pay that much.

Eventually the committee united in their support and signed off on it and they hosted the first Golf Classic in 1996 with a goal of \$12,000. I am not sure what they actually raised but I believe they reached their goal. They had 144 players on just one course. Their gamble worked but could it be repeated?

Fast forward to 2015, and the entry fee is \$325 a player with very little of that going to the bottom line, but our goal is now to raise \$100,000. Most of the years we make our goal and others we come close, but it is always a great feeling to see the support from all parts of the industry. It is the largest single day turfgrass research fundraiser in the world. With 328 players this year we missed our goal by 2 players.

I always like to thank **Cece Peabody** and her staff for their pre, day of, and post efforts. We would also struggle mightily at registration without the enthusiastic support of our volunteers led by Co-Chairman **Dr Karen Plumley**. The volunteers are mostly from the Classic Committee, **Rich Buckley, Sabrina Tirpak** and a large group of Rutgers turfgrass students along with industry reps and superintendents. This year **Keith Bennett, Craig Lambert, Ron Luepke and Brad Simpkins** found the time to be part of the volunteer team.

We however are all caretakers of the sponsors, associations and teams that attend mostly because of the efforts from Dr. Bruce Clarke and Dr Bill Meyer. Every year these two great friends vie for the honor of generating the most support for the Classic. The fact that the loser has to buy dinner for the winner is an added incentive to keep

asking for support for the event. Bruce always starts off strong with **BASF, Bayer, Grass Roots (shared credit), Storr Tractor and Syngenta**. Bill counters with **DLF Pickseed USA, John Deere Golf/ Finch Turf Services/John Deere Landscapes, Landmark Turf & Native Seeds, Lebanon Turf, ProSeeds Marketing/ Alliance**

**Seed, MT. View Seeds, Scotts Miracle Gro and A-LIST**, who was our new dinner sponsor. These are the Premier Sponsors, but they also split Eagle Sponsor, **Paige Electric** and Birdie Sponsors **GCSANJ/GCSANJ Foundation, NJTA/ NJTA Foundation and Pennington Seed**. Added to this core group of sponsors we are blessed every year to have incredible support with Par Sponsors, teams, individuals and over 100 Hole Sign Sponsors. It is an incredible outpouring of support that illustrates the importance of the Center For Turfgrass Science. Every segment of the industry tries to do their part because they know their support helps find answers to the problems they face every single day.

Once the reception moved into the ballroom Bruce was able to introduce **Dean Goodman** who spoke briefly but eloquently as he complimented everyone who worked to put this event together and the people who attended the event. Then he had the honor of introducing **Executive Vice-President and Chancellor Richard L. Edwards**.

...continued on page 6



# Golf Classic Birthday

...continued from page 5

Dr Edwards is the second most important person at Rutgers. He has a very demanding schedule but he made the time to play in the event. When I said the Classic had support from every part of the industry, this includes academia.

Bruce always takes the time to thank the sponsors that mean so much to this event. If we had unlimited time he would name everyone who supported the event but everyone knows they are appreciated. **Tom Hurley**, who is the general manager at Fiddler's, along with former manager **Dave McGhee** were singled out for their help along with head superintendent **Matt Willigan** and his very good and very dedicated staff. In addition to these acknowledgments, Bruce presented a plaque to **Mary Lou DesChamps** of Storr Tractor Company from the entire staff at the Center. It is their Distinguished Service Award. which now has only been awarded 4 times. She is an amazing person with unlimited generosity and Bruce wanted her to know how everyone at Rutgers feels about her and Storr Tractor. A little later Bruce and Dr Meyer surprised **Shaun Barry** with a much needed gift. They had conspired with **Paul Strani** from Storr Tractor and surreptitiously spirited a new Toro lawn mower into the ballroom. They called Shaun up to the podium and made their presentation. It was greatly appreciated and was put to good use the next day. It pays to have good and generous friends who do unexpected things.

The evening ended quickly for some right after the prizes were awarded and the Silent Auction results were announced. For others, they weren't ready to leave and as darkness approached, there were still some small pockets of friends talking and laughing. Five members of the committee were seen discussing the 2015 event and were also making suggestions for 2016. They didn't leave until around 8:30 pm. They all had places to go and it was totally dark but it was too special of a day to leave early.

The next Golf Classic will be on Monday, May 2, 2016. We will once again be back at Fiddler's Elbow trying to make the 21st edition even better. Let us know what you think we can do to improve and please put it on your schedule ASAP. It really is a great event and one not to be missed.

## 2015 Rutgers Turfgrass Research Golf Classic Winners

### Rutgers Cup Winners

Finch Turf Services- 71

Jeremy Batz, Alan Bean, Paul Brandon, Geoff Stricker.

### Low Association

GCSANJ/ GCSANJ Foundation- 65

Gary Arlio, Les Carpenter, Joe Kinlin, Bill Murray

### High Association

NJTA- 72

Chris Carson, Ron Luepke, Karen Plumley, Matt Sweatlock

### Forest Course

1st place- Fiddler's Elbow- 60

Halloway, Rosko, Wenning

2nd place- John Deere Landscapes- 63

John Alexander, Chuck Bergamo, Steve Juhring,  
Ian Kunesch

3rd place- Harrells- 64

Scott Hall, Josh Kopera, Greg Nicoll, Travis Pauley

### Meadow Course

1st place- Dr Bill & Jane Meyer- 60

Austin Grimshaw, Bill Meyer, Jane Meyer, Trent Tate

2nd place- Paige Electric- 63

Todd Anderson, Walter Mugavin, Fred Rapp, David Teed

3rd place- Jacklin Seed- 64

Jeremy Brown, Joe Goncalvez, Charlie Pisano, Joe Trotsky

### River Course

1st place- Syngenta -61 MC

Rick Grala, Doug Linde, Steve McDonald, Doug Rider

2nd place- Plant Food- 61 MC

Tom Ashfield, Jamie Devers, Todd Raisch, Tom Weinert

3rd place- Aquatrols- 61 MC

Kevin Collins, Tim Joyce, Andy Moore, Bob Steinman

# 2015 Rutgers Turfgrass Research Golf Classic

## Winners

...continued from page 6

### Closest To The Pin

Forest #8	Scott Rose- 3 ft 7 ins
Forest #17	Edgar Lara- 4 ft 2 ins
River #8	Adam Moeller- 8 ft 2 ins
River #17	Matt Klida- 10 ft 8 ins
Meadow #9	Trent Tate- 6 ft 10 ins
Meadow #17	Edwin Holland- 6 ft 3 ins

### Longest Drive Men

Forest #7	Josh Kopera
Forest #14	Ryan Tuxhorn
Meadow #7	Gordon Krester
Meadow #13	Gordon Krester
River #1	Justin Flatow
River #18	Paul Dotti

### Longest Drive Women

Meadow #7	Denise Smith
Meadow #13	Stacy Bonos
River #1	Nancy DiRienzo
River # 18	No winner



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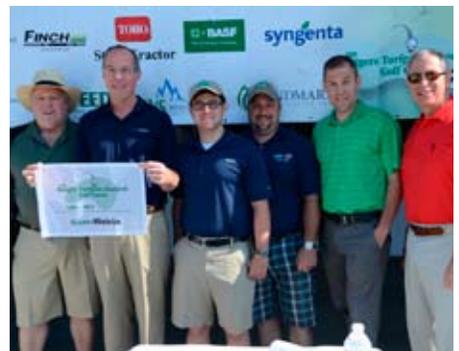
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**May 4, 2015: 20th Anniversary Rutgers Turfgrass Research Golf Classic**





*Pictures Courtesy of Matt Sweatlock, NJTA Past President*





# Topsoil Suitable for Landscape Use

## Fact Sheet FS901

*Dr Joseph Heckman  
Extension Specialist in Soil Fertility*

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

Construction activities often remove, bury or damage the existing soil. Bringing in new soil may appear to be the only practical way to establish landscape plantings and to garden on difficult sites. In many instances, however, it is easier and less expensive to improve the existing soil than to buy topsoil. A poor quality soil can be greatly improved by mixing in an adequate amount of organic matter. This can be accomplished by applying a one to three inch layer of compost and using vigorous deep tillage to mix it with the existing soil.

When it is necessary to bring in a topsoil, be sure to evaluate the soil quality before having it transported and dumped at the site. The most important soil qualities to consider are soil texture, organic matter content, pH and soluble salts.

Naturally occurring soils vary widely in quality. It should be noted that there is no official or legal definition for what is commonly referred to as topsoil.

A practical definition for topsoil is the top six to ten inches of soil or the depth to which the soil is plowed or cultivated. Topsoil usually differs from the underlying soil by having higher organic matter content, a darker color, better tilth, and higher biological activity in the form of earthworms, bacteria, and fungi. The topsoil is usually less compact than the underlying subsoil and is usually better for the growth of plants.

A soil test is the most reliable way to evaluate topsoil quality. If soil fertility levels are low, fertilizers can be applied as needed. However, it is not easy to improve a soil with undesirable physical properties. The physical condition of a soil depends largely on its soil texture. This refers to the percent sand, silt, and clay content. Topsoils with highly desirable textures have sand, silt and clay contents within the following ranges:

- Sand 40 to 65%
- Silt 25 to 60%
- Clay 5 to 20%

Examples of soil textural classes with desirable textures include: sandy loams, silt loams, and loams. Soil texture can be estimated by feel with trained hands or determined by submitting a sample to a soil testing laboratory for mechanical analysis. When soils of very different texture are layered one over the other, the movement of water through the soil profile can be restricted. Therefore, when adding topsoil of a different texture to an existing soil, mix the two for best results.

Soil organic matter content should be determined by a soil testing laboratory. Organic matter contents typical for sandy loam soils range from 1.25 to 3.0% and for silt loam or loam soils from 2.5 to 5.0. If soil organic matter content is low it can be enhanced by the addition of composted organic matter. An organic matter content up to 10% is suitable in an amended soil.

When buying topsoil, consider the desired pH range of the types of landscape plants to be grown. Certain acid loving plants will not grow well when the soil pH is greater than 6.0. Soils with a pH value less than 4.5 or greater than 7.0 should be avoided. Topsoils with pH values near 5.0 can be amended with lime if a higher soil pH is desired. It is more difficult and expensive, however, to lower soil pH if it is higher than desired.

Soil salinity should be determined by a soil testing laboratory. Salinity is evaluated by measuring the electrical conductivity of the soil. A good topsoil should have less than 0.5 mmhos/cm for a soluble salts test performed using a 1:2 soil:water ratio.



# Topsoil Suitable for Landscape Use

*Dr. Joseph Heckman  
Extension Specialist in Soil Fertility*

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

If the topsoil is to be used for vegetable gardening, the soil should also be tested for lead. Fact sheet 336, Lead Contaminated Soil: Minimizing Health Risks is available from Rutgers Cooperative Extension.

Finally, before you purchase topsoil, visually inspect the stockpiled soil. It should be free of large stones and foreign materials such as broken glass, paint chips, and plastic. Also, gravel content should be less than 10%.

In most instances, a minimum of a four-inch layer of topsoil should be applied over the soil existing at the site. The existing soil should be loosened by tillage before application of the new topsoil.

## Attributes of a Suitable Topsoil

- Organic matter content between 1.5 to 10%
- Soil pH 4.5 to 5.9 for acid loving plants
- Soil pH 6.0 to 6.8 for most plants
- Soluble salts less than 0.5 mmhos/cm
- Soil textures: sandy loam, silt loam or loam
- Gravel content less than 10%
- Free of broken glass, paint chips, plastic
- Uncontaminated with lead

## Photo Captions

Left to Right:

Deep digging to correct soil compaction;

Problem of soil compaction;

Topsoil.

Photo credits: Joseph Heckman.

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## In the time it takes to form one inch of soil

*Dr. Karen Plumley*

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

**S**oil is vital to the successful establishment and enjoyment of turfgrass and landscape plants. It is a precious commodity that should be valued and cared for. Poor soil management can lead to soil degradation over time and in worst case scenarios, the loss of large amounts of soil in a short period of time due to erosion. To help provide some perspective on how long it takes to actually form one inch of soil, on average, in New Jersey, here's what's been going on in the world of turfgrass and golf since an inch of soil you observe today began its 'birthing process' . . .

**2011:** The state of New Jersey enacts New Jersey Act P.L. 2010, c. 112 (C.58:10A-64), which establishes standards for fertilizer applications to turf, requires certification of professional fertilizer applicators, and regulates labeling and sale of specialty fertilizers for turf. (<http://profact.rutgers.edu/Pages/default.aspx>)

**1991:** At the 1991 US Women's Open, Lori Garbacz protested slow play by ordering a Domino's pizza on hole 14, only to have it delivered by the 17th tee. ([http://www.golfdigest.com/golf-tours-news/2009-11/golf\\_grillroom\\_garbacz\\_sirak](http://www.golfdigest.com/golf-tours-news/2009-11/golf_grillroom_garbacz_sirak))

**1971:** Alan Shepard drives golf balls on the moon. Despite the obstacles to mobility presented by his spacesuit, he was able to drive two balls. He jokingly said he was able to hit them for "miles and miles and miles." (<http://history.nasa.gov/alsj/a14/a14.clsout2.html>)

**1956:** The Masters is televised for the first time by CBS. One half hour on Friday and one hour each on Saturday and Sunday. Holes 15-18 only. (<http://www.classictvsports.com/2013/04/history-of-masters-golf-tournament-on.html>)

**1920:** USGA Green Section is organized. (<http://www.usga.org/Course-Care/About-the-Green-Section/History/Green-Section-History/>)

**1869:** "...Rutgers defeated Princeton in the first intercollegiate football game ever played... The game was contested on a field along College Avenue in New Brunswick." Rutgers won 6-4. (<http://skcom.rutgers.edu/football/history/history.asp>)

**1830:** Edwin Budding files a patent for a mechanical push mower for turf, "...a machine that, when pushed and pulled, would cause a cylindrical blade to rotate over a stationary shear, cutting grass and collecting the clippings." ([http://www.nytimes.com/2012/03/18/magazine/who-made-that-lawn-mower.html?\\_r=0](http://www.nytimes.com/2012/03/18/magazine/who-made-that-lawn-mower.html?_r=0))

**1800's:** "Tall fescues were introduced from Europe...(it) is a popular grass type due to its ability to withstand drought, poor soils, and wet conditions. (<http://www.scotts.com/smg/goART2/InfoHowTo/where-does-your-grass-come-from%3F/16600006/>)



# In the time it takes to form one inch of soil

*Dr. Karen Plumley*

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

**1786:** A Charleston South Carolina newspaper reports the formation of a golf club there, the first outside the United Kingdom. “The South Carolina Golf Club was conceived in 1786 and its members played on park land known as Harleston’s Green.” ([http://www.carolinalive.com/visiting/history\\_golf.asp](http://www.carolinalive.com/visiting/history_golf.asp))

**1682:** “The premier golf course of the time was Leith near Edinburgh....Leith was also the scene of the first international golf match... when the Duke of York and George Patterson playing for Scotland beat two English noblemen.” (<http://www.golfeurope.com/almanac/history/history1.htm>)

**1565(?):** “Golf’s status and popularity quickly spread throughout the 16th century due to its royal endorsement. Mary Queen of Scots, who was French, introduced the game to France while she studied there.” (<http://www.golfeurope.com/almanac/history/history1.htm>)

**1457:** “Scotland was preparing to defend itself against an English invasion. The population’s enthusiastic pursuit of golf and soccer to the neglect of military training (archery primarily) caused the Scottish parliament of King James II to ban both sports,.....although people largely ignored it. Only in 1502 with the Treaty of Glasgow was the ban lifted with King James IV... himself taking up the sport.” (<http://www.golfeurope.com/almanac/history/history1.htm>)

**~1400’s:** Parent material in New Jersey begins the process of forming one inch of soil!

Adapted from: NASA’s Soil Science Education Website: <http://ltpwww.gsfc.nasa.gov/globe/inch/soiltime.htm>

 The advertisement features a background image of a golf course with several yellowish-brown patches of grass, known as dollar spots, marked with large white 'X's. On the left side, there is a blue vertical banner with white text.
 

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If you're not familiar with this online resource, the mission of the Rutgers Turfgrass Blog is to generate and disseminate knowledge and to provide training and education in the turfgrass sciences by fostering nationally recognized, multidisciplinary research, undergraduate, graduate, and continuing professional education, and service programs in support of the turfgrass industry. Regular contributors include **Dr. Bruce Clarke, Dr. Jim Murphy, and Mr. Brad Park**, all of the Rutgers Center for Turfgrass Science and Rutgers University, Department of Plant Biology and Pathology.

Here's a reprint of a recent (May 5, 2015) post. Please bookmark the link <http://turfblog.rutgers.edu/> and visit it regularly for timely and seasonal updates throughout the year.

## **Kyllinga Awakens as Soil Temps Increase**

*By Jim Murphy*

Earlier in the beginning of May, daily high soil temperatures at the 2-inch depth were consistently getting into the 60s°F. This means that the warm-season species are or will be soon waking from their winter slumber.

Through the end of April, I had been watching the emergence of false green *kyllinga* (*Kyllinga gracillima*). Most sites infested with *kyllinga* are probably showing active shoot growth. So it appears that *kyllinga* needs soil temperatures that reach consistently into the 60s to emerge from winter dormancy. As temperatures continue to warm, re-growth of *kyllinga* should accelerate.

False green *kyllinga* is a perennial sedge species with well-developed rhizomes (underground lateral spreading stems). *Kyllinga* is relatively low growing so it thrives under mowing. It grows prolifically in poorly drained areas or areas that are frequently wet. Thus, invasion of *kyllinga* is likely to be more severe on over-irrigated properties. In these cases, irrigation should be reduced but realize that this change in practice alone will only slow the invasion. You should

not expect eradication of *kyllinga* simply by reducing irrigation. Because of the lateral spreading growth from rhizomes, *kyllinga* can form large mats which are very difficult to control once formed.

The phasing out of arsonate herbicides, which were effective at controlling *kyllinga*, is one reason for the emergence of *kyllinga* as a troublesome invasive weed in turf. Unfortunately, there are limited herbicide options for controlling *kyllinga* in New Jersey and similar climatic regions. Preemergence (crabgrass) herbicides will not control established mats of *kyllinga*. And there currently isn't a commercially available postemergence herbicide that will provide excellent control of false green *kyllinga* in cool-season turfgrass. SedgeHammer (halosulfuron) and Dismiss (sulfentrazone) are the two most commonly recommended herbicides for *kyllinga*. But neither herbicide will be able to control large mats of *kyllinga* in a single application. Very large mats of *kyllinga* will require a minimum of two applications to suppress this weed. SedgeHammer is reported to be more effective at suppressing false green *kyllinga*. To date, our trials also indicate that SedgeHammer is the more effective herbicide but more trials are needed to confirm this. We are also looking at other herbicides options but so far we have not found a highly effective product.

Thus, it is important to understand that a well-coordinated, long term program is needed to suppress *kyllinga*. Catching the problem early before the *kyllinga* mats become large, applying an active herbicide correctly, and being persistent are keys to suppressing the weed and eventually achieving control. It is critical to follow herbicide label instructions for the suppression of *kyllinga*. For example, a non-ionic surfactant at 0.25% v/v must be added to the spray solution of SedgeHammer. Follow label instructions for herbicide rate, spray volume, timing, and length of time between repeat applications.

SEE CLOSEUP OF KYLLINGA ON NEXT PAGE.

# Meet Matt Lindner

**Matt Lindner** is a new member of the New Jersey Turfgrass Association Board of Directors. Matt is the Lawn Care Director for SavaLawn, which has 27 branches in 10 states.

Matt earned his B.S. in Turf Management at Purdue University, and has been in sales in the turf industry since 1978. The last six years he has been with SavaLawn.



Matt has been married for 34 years to Susan and they live in Rochester, New York. They have two sons.

Matt enjoys golf, boating, and gardening. He is a past member of the New Jersey Green Industry Council. He joined the NJTA Board because the turf industry is close to his heart and he feels the NJTA is a 'cadillac' association.

Welcome Matt! We're glad to have your expertise and experience. Matt will be the NJTA liaison with the NJGIC.

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*Field photos, such as the one of the emerging kyllinga seen below, are a key component of every blog posting. Bookmark <http://turfblog.rutgers.edu> today!*



# Government Affairs Update

Dominick Mondì, Executive Director  
New Jersey Green Industry Council



*New Jersey is unique in a lot of ways*, and I think I would be hard pressed to find someone in state or out that would disagree. In addition to all the cultural quirks that make the Garden State the best place to live, our legislature is a little different as well. One big example is that we elect our state representatives, and our Governor for that matter, on odd years. All states except for four (Louisiana, Mississippi, and Virginia) vote their state houses and governors on even years, same as national elections.

What that means for politics in New Jersey is 1.) it never ends, and 2.) our state elections are less impacted by national political campaigns. What it means for green industry interests is that while other state legislatures are entering a new session, and thus hitting the reset button on any pending legislation, all of New Jersey's bills continue to live on for another year. So what is out there that you should be aware of?

**Pollinators and neonicotinoids** continue to dominate a lot of time in the national press as well as in local bills. A-1373 would ban the sale of all Neonicotinoids, regardless of use or user. This would be problematic for a variety of reasons, not the least of which is number of insect pests that this product is uniquely capable of controlling, such as Hemlock Woolly Adelgid and White Fly. This bill has not gained steam, but we anticipate the 'ban neonics' movement has not seen its last days in New Jersey.

**Native Plants** are all the rage, so much so that another bill, A-1305, would require that the state only plant natives on all state owned lands, including universities. We are pleased that the bill sponsors have continued to modify the language of this bill to create some necessary exemptions, but there are still concerns. One exemption that we asked for, and that did get inserted into the bill, was that turf grass, (which is not a native plant) be allowed on state lands. Believe it or not, turf would have not been allowed the way the bill was originally crafted!

**Product Bans and Restrictions** continue to pop up from time to time as well. To the extent that these bills, like A-3355 require some training and increased safety, they can be beneficial. But of course, all out bans and restrictions that are not ground in sound science continue to loom over the both the turf care and tree and shrub industry.

This is not the last time you will hear me say this in 2015, but don't forget to vote in November. It is easy to miss this simple chance to make a difference in your home state because national media will already be looking forward to 2016. There are dozens of bills at any given moment, big and small, that could impact your business, and who you send to Trenton to vote on them can make all the difference.



And as always thank you for your continued support of the NJTA and for being a leader in the green industry.

**Rutgers Turfgrass Research Field Days  
Program and Registration form are on  
next pages. Sign up Today!**

# 2015 Field Days - July 28 & July 29th - Save the Days!

*by Craig Tolley, NJTA Director*

## Save the Days!

**July 28, and 29, 2015 are the Annual Rutgers Turfgrass Research Field Days.**

This year the Tuesday, Golf and Fine Turf Day will be at the Rutgers Turfgrass Farm (Hort Farm 2) in North Brunswick (102 Ryders Lane, North Brunswick NJ). The Wednesday, Lawn, Landscape and Sports Field Day will be moving back to the Rutgers Adelphia Farm in Freehold (594 Halls Mills Road, Freehold NJ). Come out and learn from the Rutgers Extension specialists. Both days will have pesticide certification and GCSAA Education credits. There will be a silent auction each day to help support the NJ Turfgrass Foundation. Stop by and check the great variety of items to bid on.

On Tuesday July 28th, there will be the opportunity for additional Core Pesticide credits in the morning, and the opportunity to take the Professional Fertilizer Applicator Exam at the end of the day. Starting at 8:00 am will be a CORE session; space will be limited so register early. At the end of the day, after the field tours, there will be the Basic Training for the Professional Fertilizer Certification in English (included with your Field Day registration). Space will be limited, so please register early. After the Training session, the Fertilizer Certification Exam will be administered (for an additional fee \$75). The exam will be available in English only.

Tuesday, July 28th, will be the golf and fine turf day. The tour will include educational sessions covering a wide variety of topics. You will have the opportunity to learn about the newest advances in the control of disease, insects and weeds for turfgrasses. You will also have the opportunity to see the latest variety trials, and get first-hand knowledge of the latest management strategies for controlling Anthracnose.

Come back on Wednesday, July 29th, for the Lawn, Landscape and Sports Field Day. It will be moving back to the Adelphia Farm in Freehold!

The tours will include educational sessions displaying major advances in turfgrass breeding, performance of turfgrasses under traffic stress, and low-input turfgrass systems, plus the ever popular Sport Field Managers Association of NJ's trade show, on July 29.

Stop early before the tours and during lunch to see the latest products for turf and sport field management. Equipment demonstrations will also be included as part of field tours during this day.

Pre-registration is now open! Members of the New Jersey Turfgrass Association receive a \$15 discount for the early bird registration fee (\$65.00 pre-registration fee and 2015 NJTA members pay only \$50.00). Members of allied associations are also eligible for the member rate. Make sure you check off which allied association you belong to so we can honor that rate. Allied associations include: Sports Field Managers Association, Golf Course Superintendents Association of New Jersey, New Jersey Landscape Contractors Association, and New Jersey Nursery and Landscape Association.

New this year! Student rates of only \$20.00 (with a student ID) so bring your interns; this special rate is available to any college or high school student. If you have 10 or more attendees from the same company, we have extended a 10% discount on the combined rates (member or non-member). Contact the office to set this up.

Register today at <http://www.njturfgrass.org/> early bird registration will be open until July 15th.

And finally -- Don't forget to mark your calendars for the 40th Anniversary New Jersey Green Expo December 8 -10, 2015, back at the Borgata Hotel in Atlantic City.

# 2015 RUTGERS TURFGRASS RESEARCH FIELD DAYS

## THIS FORM IS EARLY BIRD REGISTRATION ONLY

If not received by 7/15/15, you must register Onsite.

## Tuesday, July 28, 2015 GOLF & FINE TURF Day

Hort Farm 2, 102 Ryders Lane, North Brunswick NJ 08902

- New Turfgrasses for Golf Courses
- Advances in Disease, Insect, and Weed Control
- Management of Velvet Bentgrass
- Latest on Management Strategies for control of Anthracnose
- Evaluation of Newly Released Products for Golf Courses
- *Basic Training* for the Professional Fertilizer Applicator and for the *Certification or Recertification Exam* (\$75 fee) - IN ENGLISH ONLY

[DIRECTIONS TO FARM ON SILENT AUCTION FORM](#)

## Tuesday, July 28, 2015 SCHEDULE OF THE DAY

7:30 AM	Registration Opens
8:00 - 8:30 AM	CORE Session (Limit 80) - 1 Credit <u>SILENT AUCTION Opens</u>
9:00 AM	TOURS Begin
1:00 PM	TOURS End
1:00 - 2:00 PM	Lunch & <u>SILENT AUCTION Ends</u>
2:00 PM	Field Day ENDS (Unless staying for below)

### OPTIONAL:

2:00 - 3:00 PM	TRAINING for ProFACT in ENGLISH (Professional Fertilizer Applicator Certification) - Earn 2 CEU Credits
3:00 - 4:00 PM	Fertilizer EXAM @ \$75 per person in ENGLISH ONLY

**Pre-Registration Required for Training & Exam**

Event is hosted by the New Jersey Turfgrass Association



25 US Highway 46 West  
Wayne, NJ 07470-6801  
(973) 812-6467  
[www.njturfgrass.org](http://www.njturfgrass.org)

## SILENT AUCTION ITEMS BOTH DAYS

*Be the highest bidder and win!*

## Wednesday, July 29, 2015 LAWN, LANDSCAPE & SPORTS FIELD Day

Adelphia Farm, 594 Halls Mills Road, Freehold NJ 07728

## SFMANJ Sponsored TRADE SHOW & Equipment Demonstrations

- Major Advances in Turfgrass Breeding
- Performance of Turfgrasses Under Traffic Stresses
- Latest Strategies for Improved Pest Control on Turf
- Low-Input Turfgrass Systems
- The Latest Sports Field & Ground Products

[DIRECTIONS TO FARM ON SILENT AUCTION FORM](#)

## Wednesday, July 29, 2015 SCHEDULE OF THE DAY

7:30 AM	Registration & <u>Trade Show Opens</u>
9:00 AM	TOURS Begin & Equipment Demonstrations Begin <u>SILENT AUCTION Opens</u>
1:00 PM	TOURS & Equipment Demonstrations End
1:00 - 2:00 PM	Lunch & <u>SILENT AUCTION Ends</u>
2:00 PM	Field Day Ends

**There will be NO Basic Training for ProFACT and NO Fertilizer EXAM on WEDNESDAY. Attend on TUESDAY for the Training and/or Exam.**



Use Registration Form on other side or Register Online at [www.njturfgrass.org](http://www.njturfgrass.org)

Questions? Contact Cece Peabody, NJTA Office: (973) 812-6467 • Anne Diglio, Rutgers: (848) 932-6396  
NJTA Office Fax: (973) 812-6529 • [execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org)

# 2015 RUTGERS TURFGRASS RESEARCH FIELD DAYS REGISTRATION

**Mail • Fax** • MAIL CHECK (Payable to 'NJTA') to: 25 US Hwy 46 W, Wayne NJ 07470 • **CLICK ONLINE:** www.njturfgrass.org  
**Click • Call** • FAX FORM with Credit Card Info or Purchase Order # to: (973) 812-6529 • **CALL** if Questions: (973) 812-6467

## EARLY REGISTRATION FEES & MEMBERSHIP CHOICES

**THIS FORM IS EARLY BIRD REGISTRATION ONLY • If not received by 7/15/15, you must register Onsite.**

\*\* To qualify for "MEMBER" rate, you must be a current member of one association(s) listed or join with this form: New Jersey Turfgrass Assn (NJTA), Sports Field Mgrs Assn of NJ (SFMANJ), Golf Course Superintendents Assn of NJ (GCSANJ), NJ Landscape Contractors Assn (NJLCA), NJ Nursery Landscape Assn (NJNLA). Membership is subject to verification. **TO RECEIVE MEMBER RATE, Check Which Association(s) You Belong to BELOW:**

<input type="checkbox"/> NJTA **	<input type="checkbox"/> SFMANJ **	<input type="checkbox"/> GCSANJ **	<input type="checkbox"/> NJLCA **	<input type="checkbox"/> NJNLA **
<b>WRITE FEES for CORRECT DAYS ATTENDING.</b> <i>NEW! 10% Discount for 10 or more attendees from same Company.</i>			<b>TUESDAY 7/28/15</b>	<b>WEDNESDAY 7/29/15</b>
<b>** MEMBER: EARLY BIRD - Before 7/15/15</b> <b>After 7/15/15: \$65 - OnSite Registration Only</b>	x \$ 50 Each Day <i>Check attendees &amp; fees</i>	<input type="checkbox"/> 1@ \$50 • <input type="checkbox"/> 2@ \$100 <input type="checkbox"/> 3@ \$150 • <input type="checkbox"/> 4@ \$200	<input type="checkbox"/> 1@ \$50 • <input type="checkbox"/> 2@ \$100 <input type="checkbox"/> 3@ \$150 • <input type="checkbox"/> 4@ \$200	
<b>NON-MEMBER EARLY BIRD - Before 7/15/15</b> <b>After 7/15/15: \$80 - OnSite Registration Only</b>	x \$ 65 Each Day <i>Check attendees &amp; fees</i>	<input type="checkbox"/> 1@ \$65 • <input type="checkbox"/> 2@ \$130 <input type="checkbox"/> 3@ \$195 • <input type="checkbox"/> 4@ \$260	<input type="checkbox"/> 1@ \$65 • <input type="checkbox"/> 2@ \$130 <input type="checkbox"/> 3@ \$195 • <input type="checkbox"/> 4@ \$260	
<b>NEW! STUDENT RATE:</b> <b>Must Send Copy of or Show Student ID with registration</b>	x \$ 20 Each Day			
* <b>2015 NJTA MEMBERSHIP:</b> [Jan 1 - December 31] <b>One (1) Individual Member</b>	x \$ 80 Each	\$ _____ <b>Print Name Below</b>		
* <b>Turfgrass Members:</b> Golf Course, Lawn Care, Landscaper	x \$ 210 (1-3 Names)	\$ _____ <b>Print Names Below</b>		
* <b>Business Members:</b> Manufacturer/Supplier or Sod Producer	x \$ 275 (1-4 Names)	\$ _____ <b>Print Names Below</b>		
<b>PRINT Member Names:</b>				
• <b>2 PM: Training in ENGLISH ONLY: TUESDAY ONLY</b> • <b>3 PM: EXAM Fee @ \$75 in English (cert or recert)</b> <i>CHECK if you want Training OR Exam or Both Training AND Exam</i>	___ Training - No Cost ___ x \$75 Exam		<b>NO TRAINING OR EXAM ON WEDS</b>	
If NOT received by 7/15/15, you must register Onsite.	<b>SUB TOTALS</b>	\$ _____	\$ _____	
<b>TOTALS TUESDAY &amp; WEDNESDAY COLUMNS:</b>	<b>GRAND TOTAL</b>	\$ _____		

## DAY 1 @ HORT FARM 2 • DAY 2 @ ADELPHIA • SILENT AUCTION - BOTH DAYS

### ATTENDEE & PAYMENT INFORMATION (Use for 1-4 Attendees)

Register ONLINE at www.njturfgrass.org • PLEASE PRINT CLEARLY • FIELD DAYS will be held Rain or Shine. No refunds.

Today's Date: \_\_\_\_\_

**Enter FIRST & LAST Name & EMAIL Address for Each Person's Confirmation & Circle Which Day/s Attending:**

(1) \_\_\_\_\_ **TUES • WEDS • Email** \_\_\_\_\_

(2) \_\_\_\_\_ **TUES • WEDS • Email** \_\_\_\_\_

(3) \_\_\_\_\_ **TUES • WEDS • Email** \_\_\_\_\_

(4) \_\_\_\_\_ **TUES • WEDS • Email** \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

**Payment: TOTAL Enclosed: \$** \_\_\_\_\_ **\*All registration fees are non-refundable.**

Check # \_\_\_\_\_ || Credit Card:  Visa  Mastercard  American Express || Purchase Order # \_\_\_\_\_

Account Number: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Exp. Date (MM/YY): \_\_\_\_\_ / \_\_\_\_\_ Security Code: \_\_\_\_\_

Name on Account: \_\_\_\_\_

Billing Address (if different from above): \_\_\_\_\_ Billing Zip Code: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Purchase Orders must be signed by NJTA. Send PO or Voucher with registration form. Signed POs mean you are liable for payment.

# 2015 Rutgers Turfgrass Research Field Days



## SPONSORS SIGN UP FORM

Dear Friend:

June 2015

Rutgers Turfgrass Research Field Days are some of the finest and most respected programs in the country. Field Days provide an excellent opportunity to share research findings that immediately help turfgrass managers, and provide certification and pesticide credits for those in attendance. We invite you to participate in the annual **Rutgers Turfgrass Research Field Days 2015** on **Tuesday, July 28th, and Wednesday, July 29th.**

We hope you will partner with NJTA and become a **SPONSOR** of this event. Multiple sponsor opportunities are below – there is no limit in any category. Thank you in advance for your thoughtful consideration. Previous sponsors will have the first opportunity to repeat their sponsorship. Please complete and mail or fax – contact information at bottom of page.

**Pedro Perdomo**  
Field Days Co-Chairman

**Tracy Wadhams**  
Field Days Co-Chairman

SPONSORSHIP	SELECT	COST	BENEFITS
<b>Yes, we would love to be a 2015 Field Days Sponsor!</b> <i>(Reserve your spot now -- we'll send an invoice.)</i>			
<b>PLATINUM</b> <i>Reserved at print time:</i> <b>AQUATROLS • STORR TRACTOR</b>	<input type="checkbox"/>	<b>\$1500</b>	Four (4) Complimentary Registrations <i>(In total not each day)</i> . Signage with Company logo; Verbal recognition at lunch; Logo on NJTA website.
<b>GOLD</b> <i>Reserved at print time:</i> <b>GRASS ROOTS • FMC</b>	<input type="checkbox"/>	<b>\$ 750</b>	Three (3) Complimentary Registrations <i>(In total not each day)</i> . Signage with Company logo; Verbal recognition at lunch.
<b>SILVER</b> <i>Reserved at print time:</i> <b>FLORATINE • SYNGENTA</b>	<input type="checkbox"/>	<b>\$ 500</b>	Total of Two (2) Complimentary Registrations <i>(In total not each day)</i> . Signage with Company logo; Verbal recognition.
<b>ICE CREAM</b>	<input type="checkbox"/>	<b>\$ 500</b>	Total of Two (2) Complimentary Registrations <i>(In total not each day)</i> . Signage with Company logo; Verbal recognition.
<b>BRONZE</b>	<input type="checkbox"/>	<b>\$ 375</b>	One (1) Complimentary Registration <i>(In total not each day)</i> . Signage with Company logo.
<b>BREAK</b> (Mid AM Snacks)	<input type="checkbox"/>	<b>\$ 250</b>	One (1) Complimentary Registration <i>(In total not each day)</i> . Signage with Company logo.
<b>FIELD DAY Research</b>	<input type="checkbox"/>	<b>\$ 100</b>	Signage with Company logo.
<b>GOLF CARTS:</b> <i>Water Carts and People Movers</i>	<i>Reserved by:</i> <b>VIC GERARD GOLF CARS</b>		One (1) Complimentary Registration each day. Signage with Company logo; Verbal recognition.

Date \_\_\_\_\_ Company \_\_\_\_\_

Contact Person \_\_\_\_\_

Billing Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Complimentary Attendees (based on Sponsor Level):

1 \_\_\_\_\_ Circle: Tues or Weds or Both

2 \_\_\_\_\_ Circle: Tues or Weds or Both

3 \_\_\_\_\_ Circle: Tues or Weds or Both

4 \_\_\_\_\_ Circle: Tues or Weds or Both

Event Hosted by the New Jersey Turfgrass Association • 25 US Highway 46 W • Wayne NJ 07470  
Phone: (973) 812-6467 • Fax: (973) 812-6529 • [www.njturfgrass.org](http://www.njturfgrass.org) • [execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org)

# 2015 RUTGERS TURFGRASS RESEARCH FIELD DAYS SILENT AUCTION DONATION FORM

*All Proceeds Benefit the New Jersey Turfgrass Foundation*

Dear Friend:

June 2015

The New Jersey Turfgrass Foundation showcases limited items each day at the **SILENT AUCTION**. All proceeds raised go to the New Jersey Turfgrass Foundation, which directly supports Rutgers research programs.

The New Jersey Turfgrass Foundation invites you to provide a donation to the Rutgers Turfgrass Research Field Days **SILENT AUCTION** on **Tuesday, July 28th, and/or Wednesday, July 29th**. We will add your Company Name on the Bid Sheets and include your Company Name and logo on signage.

**HERE'S ALL YOU NEED TO DO:**

**Complete and return this form** (by mail or fax – contact info at bottom of page) with your Company information, the specific item/s, and the value of the item/s. Include your name and phone number and the preferred day to showcase your item/s – Tuesday or Wednesday or both days.

Executive Director, Cece Peabody, will contact you directly to set up the delivery of your item(s) before Field Days – Winners love taking items home! Thank you in advance for being part of the Field Days Silent Auction.

**Pedro Perdomo**

Field Days  
Co-Chairman

**Tracy Wadhams**

Field Days  
Co-Chairman

**Matt Sweatlock**

NJTA Foundation  
President

Contact Person \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone Number \_\_\_\_\_

Email \_\_\_\_\_

*At print time, Silent Auction products will be donated by:*

**Bayer, Bradford Portraits, FMC, Grigg Brothers,  
Plant Food Company, Reed & Perrine**

**- DIRECTIONS to the FARMS -**

**HORT FARM 2:**

102 Ryders Lane, No Brunswick NJ 08902

- Take the NJ Turnpike to Exit 9.
- Take Route 18-North to Route 1-South.
- Take the second Ryders Lane exit toward Milltown.  
Move to your left immediately upon entering Ryders Lane.
- Turn left at first break in the median and immediately turn right onto Indyk-Engel Way to parking area.

**ADELPHIA FARM:**

594 Halls Mill Road, Freehold NJ 07728

**From the North –**

- Rt. 18-South to Rt. 537 -West (Freehold Exit), continue for approximately one mile to the Kozlowski Road Exit (before second traffic light).
- Take the exit for Kozlowski Road and bear left to go to the ramp marked "Kozlowski Road South," follow that ramp onto Kozlowski Road.
- Continue through three traffic lights. Then continue over the overpass at Route 33 (BUSINESS).
- After the overpass, Kozlowski Road becomes Halls Mill Road; continue on Halls Mill Road through the traffic light at Willowbrook Road and cross over the overpass for the Route 33 (BYPASS).
- There's a new traffic light after Route 33 Bypass overpass @ Three Brooks Road.
- The Research Center is on the left, approx. 1/4 mile past the overpass for the Route 33 (BYPASS).

**From the South –**

- NJ Turnpike to Exit 8.
- Follow Rt. 33 East to Rt. 33 BYPASS (NOT Business 33) to Halls Mill Road.
- New traffic light after Rte 33 Bypass @ Three Brooks Road.
- Take exit for Halls Mill Road/Adelphia (before overpass bridge).

**GPS Coordinates for Adelphia Farm:**

Latitude: 40° 13' 40.50" N  
Longitude: 74° 15' 19.00" W

Company	Donated Item/s	Value	Tues or Weds?

New Jersey Turfgrass Foundation • 25 US Highway 46 W • Wayne NJ 07470-6801  
Phone: (973) 812-6467 • Fax: (973) 812-6529 • [www.njturfgrass.org](http://www.njturfgrass.org) • [execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org)  
NJTF Tax ID: 22-3270805

# Meet (once again), Dr. Raul I. Cabrera

## *Associate Professor and Extension Specialist in Nursery Production and Management for Rutgers University*

by Nick Polanin

On March 1 of this year, Dr. Raul I. Cabrera was reacquainted with his former colleagues at Rutgers University and the NJ Agricultural Experiment Station when he accepted the position of Associate Professor and Extension Specialist in Nursery Production & Management within the Department of Plant Biology & Pathology at Rutgers University.

I say ‘reacquainted’ since from 1994 to 1999, Raul was an Extension Specialist and Assistant Professor in Nursery Crops Management at Rutgers. He then moved to Texas to work as a faculty research horticulturist with Texas A&M University in Dallas, (1999-2011) and then in Uvalde, (2012-2015), holding also an appointment with the Department of Horticultural Sciences in College Station, TX.

His expertise and research & extension interests focus on the mineral nutrition, physiology and management of ornamental plants and crops (floriculture, nursery and landscape). Some specific areas of emphasis include: characterization of nutrient and water uptake and use efficiency in ornamental plants; water quality and salinity tolerance in ornamentals; and fertilization and irrigation management in nursery-greenhouse crops and landscape plants.

More recently he has been working on the identification, use, and management of alternative water sources for nursery and landscape irrigation (like graywater and reclaimed water). He has presented his work at conferences, symposia, and extension & teaching programs and activities in the US and abroad, and is currently housed and working on research at the Rutgers Agricultural Research & Extension Center in Bridgeton, New Jersey.

The following is part of an interview I had with Dr. Cabrera via email in hopes of introducing him to the turf and landscape industry and community of colleagues across the state:

**Can you tell us a little bit about yourself and your areas of specialty in Nursery production?**



“I grew up on the Mexico-Texas border, with relatives on both sides of the border, so I am a “fronterizo” (Spanish for border person) or “Tex-Mex” (a Texan term for border people). I obtained a BS in

Horticulture from Mexico’s second largest agricultural university. Immediately thereafter I worked in landscape maintenance in the Fresno, California area, and then pursued a MS and a PhD in Plant Biology at the University of California in Davis, where I did my research on greenhouse and nursery crops. My first formal job after graduate school was with Rutgers University (1994-1999), serving as Extension Specialist in Nursery Crops Management. Texas A&M University then lured me back to Texas, where I spent almost 16 years a faculty research horticulturist, working on ornamental horticulture. In an interesting twist, Rutgers brought me back three months ago, to serve again in my old position as Extension Specialist in Nursery Production and Management. My areas of specialty revolve around water and nutrient management for ornamental plant/crops (nursery, greenhouse, landscape, and arboriculture).”

**What interested you in seeking this position with Rutgers and what challenges do you see facing the Nursery industry here in NJ and even overall?**

“Basically, I wanted to come back to a position with Extension responsibilities. My appointment in Texas did not include a formal Extension appointment (only research) and I was limited as to my direct contact and relationships with the Green Industries. Now I am back in the position that I have always considered ideal for my background, qualifications, and liking. I was co-trained by an Extension Specialist in California, and I fell in love with the functions, activities, and goals of Extension personnel, which allow for the best of both worlds - working in an academic-university environment, but being in daily and direct touch with the agriculture constituents we serve. I am an “aggie” by heart (nickname for students/graduates of both UC Davis and Texas A&M, where I studied and worked for, respectively).”

# Meet (once again), Dr. Raul I. Cabrera

“As far as the challenges for the Green Industries of New Jersey (including nursery, greenhouse, landscape, arboriculture, turfgrass) I believe water and environmental issues are/will be the most challenging to their sustainability. Water quality and pollution issues associated with intensively-managed ornamental commodities (crops and plants in landscapes) are increasingly changing the way we operate in these green industries, and we need to be ahead of what the regulatory agencies and the public-at-large demand/expect of us.”

## **What are your research and outreach goals in this Extension position? Will you be teaching on campus as well?**

“Overall my research and extension/outreach program will be centered around water (irrigation) and nutrient (fertilization) management for nursery/greenhouse crops and urban landscapes (mixed planting of ornamental and turfgrass), collaborating with Rutgers colleagues who work on related topics and from different angles and specialties. The plan is to have a mixture of applied and some basic research projects that can also be used for demonstrations and extension teaching. The intention is to also work closely with county agents and nursery growers to have demonstrative plots at various sites, and work jointly in extension meetings and educational activities throughout the year and across the state. An added component to my extension teaching is the ability to deliver educational presentations in both English and Spanish, therefore benefiting a large part of the actual workforce in these industries (Spanish-speaking employees).”

“I also have a classroom teaching responsibility, where I’ll be teaching the Nursery Production and Management class each spring. This will be another venue to contribute to the formation of new horticulture professionals interested in ornamental horticulture activities. As part of this class I plan to take the students to visit nurseries and landscape sites, as well as to bring Green Industry people to share some of their daily experiences with the class.”

## **If you had to rank in importance to the producer pest tolerance, disease resistance, drought tolerance, and abundant colorful flowers/leaves, how would you rank them and why?**

“I believe the future sustainability of the green industries is the identification, selection, evaluation and promotion of plant materials requiring low/minimal maintenance once installed in a landscape. Therefore, as important as the aesthetic and functional characteristics of a given plant are to an end user (customer, homeowner, etc.), impending and future restrictions and regulations on the use of water, fertilizers, and agrichemicals (herbicides, insecticides, fungicides, etc.) will eventually dictate what plant selections we can effectively grow, maintain, and enjoy in our built environments (read urban/managed landscapes). We should then be considering a priori (in advance) the water and soil requirements and pest/disease tolerance of all the plants we grow and or use in the green industry.”

## **How would those rankings change if you were ranking them for consumers? And why?**

“Personally I will be looking into those traits and characteristics that will allow a given plant material the ability to survive/thrive in a minimally- or non-managed landscape and still perform its intended aesthetic (ornamental) or functional (i.e. shading, wind/noise screen, erosion or stormwater control, fruiting, etc.) use(s). So in a stricter sense this means selecting plants that can do these functions under no irrigation, and no chemical inputs, and relatively minimal cultural practices (like pruning, cultivation, and weed control).”

Once again, we want to thank Dr. Cabrera for his time in sharing his thoughts and expertise, and wish him all the success as the Associate Professor & Extension Specialist in Nursery Production & Management in the Dept. Plant Biology & Pathology at Rutgers.

Dr. Cabrera can be reached at the Rutgers Agricultural Research & Extension Center, 121 Northville Road in Bridgeton; Tel: 856-455-3100 ext4162 or [cabrera@aesop.rutgers.edu](mailto:cabrera@aesop.rutgers.edu).

# NEW JERSEY TURFGRASS ASSOCIATION... WHAT IT DOES FOR YOU!

*(Reprinted from the NJTA 1995 Silver Anniversary Expo and Member Directory.)*

*Most of these items continue to be priority with NJTA while others have changed to match current needs.*

The New Jersey Turfgrass Association has developed and fostered a close working relationship between Rutgers University and the turfgrass industry. Through its organizational strength, NJTA has gained respect as the voice of the industry, and impacts significantly upon legislative and policy decisions affecting the industry in New Jersey.

Over the years NJTA has made the following contributions to the turfgrass industry in NJ:

- New Jersey Green Expo Turf and Landscape Conference - a cooperative effort between NJTA and Rutgers, the State University, to provide a nationally-recognized educational program and trade show to promote the industry and generate funds to sponsor research and scholarship endeavors.
- Support of Turfgrass Research - The NJTA awards research grants annually to research project leaders at Rutgers University, in the areas of turfgrass breeding, insect and disease control, and turfgrass management. Financial support from NJTA was also responsible for reestablishment of the Turfgrass Extension Specialist position and recruitment to the University of Dr. James Murphy.
- Scholarship Awards to students in the 2-year, 4-year, and graduate turf programs at Rutgers University.
- New Jersey Turfgrass Foundation - was incorporated as a separate entity to solicit and administer funding programs for turfgrass research and education.
- Project D.R.E.A.M. - Demonstration of Research, Experimentation, and Management display at Hort Farm 2 in North Brunswick serves to educate the public about turfgrass research, experimentation, and management techniques. The display was initiated and created as a project of NJTA.
- Turfgrass Field Day - alternating between Hort Farm 2 in North Brunswick and the Adelpia Farm, the annual NJTA Turfgrass Field Day gives anyone from the turfgrass industry access to the latest turf breeding and management research.
- Economic Impact Survey - NJTA funded a survey of the turfgrass industry, and its publication in both long and abbreviated forms. The survey has served to focus attention on the size and the importance of the turfgrass industry in New Jersey.
- Turfgrass Building - NJTA funded approximately half the cost of the turf building at Hort Farm 2 on Ryders Lane in North Brunswick. The turf building houses turf seed and chemical storage, a dry lab, and a conference room which also serves as a meeting place for NJTA and other related groups, as well as serving as a photo gallery of NJTA *Hall of Fame* recipients.
- Project T.R.I.B.U.T.E (Turf Farm Rebuilding to Improve Buildings, Utilities, Teaching, and Experimentation) was inaugurated with NJTA's pledge of \$60,000 to build a second turf building/classroom at Hort Farm 2.
- Shade, Frame, Underground Irrigation, Microscopes - and other equipment donated by NJTA to enhance the study of turf at Rutgers University.

*We value your membership in NJTA to continue to positively impact the turfgrass industry.  
Please use the Member Application form insert to Renew or Become a New member  
of the New Jersey Turfgrass Association. Thank you.*



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

**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 \_\_\_\_\_



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 It shall represent all facets of the turf industry, including persons or organizations  
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**JOIN ONLINE:** [www.njturfgrass.org](http://www.njturfgrass.org)

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

<b>Name # 4</b> _____		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
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<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

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

*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.*

# 2015 C A L E N D A R

## Rutgers Turfgrass Research Field Days

**Tuesday & Wednesday,  
July 28 & 29, 2015**

*Rutgers Turfgrass Research Field Days*  
**TUESDAY** at Hort Farm 2  
**WEDNESDAY** at Adelpia Farm



**Tuesday - Thursday,  
December 8-10, 2015**  
*Green Expo Conference*  
*The Borgata Hotel,*  
*Atlantic City NJ*  
**40th Anniversary Event**

## RUTGERS EXTENSION OFFICES & NUMBERS

RCE of Atlantic County	(609) 625-0056
RCE of Bergen County	(201) 336-6780
RCE of Burlington County	(609) 265-5050
RCE of Camden County	(856) 216-7130
RCE of Cape May County	(609) 465-5115
RCE of Cumberland County	(856) 451-2800
RCE of Essex County	(973) 228-3179
RCE of Gloucester County	(856) 307-6450
RCE of Hudson County	(973) 353-5525
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) 431-7260
RCE of Morris County	(973) 285-8304
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 • [execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org)

**New Jersey Turfgrass Association**

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 Email: [execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org) • Website: [www.njturfgrass.org](http://www.njturfgrass.org)

**2015 Board of Directors**

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- Craig Tolley, Director
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- Chris Carson, Expo Chairman
- Dr. Bruce Clarke, Advisor
- Dr. Jim Murphy, Advisor



### 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](http://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](http://www.rcrc.rutgers.edu/soiltestinglab).

[www.rcrc.rutgers.edu/services](http://www.rcrc.rutgers.edu/services)