

new jersey turfgrass association



clippings

Green
World



Issue 2: 2014- Summer | VOL 88

Rutgers Turfgrass Research Field Days **July 29 & July 30, 2014** **Hort Farm 2, North Brunswick NJ**

**“LEARN more about turf,
EARN more credits,
MEET more friends.”**

RUTGERS HORT FARM 2,
NORTH BRUNSWICK NJ



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President's Message

Shannon Sked, NJTA President

Supporting the Industry, In Numbers



It's always a proud moment when anyone in a leadership position gets the chance to stand back, even if only for a moment, when the majority of the team is together and reflect on how many people are involved in a common purpose. I once again had the great opportunity to do just that at the recent Golf Classic outing. As all of the carts headed off for a day on the courses, I stood by and watched each duo head out from the club house. It took several minutes for all of the carts to get out onto their teeing grounds. It was impressive to say the least. Although numbers are not everything, when you see such a showing of people, all gathered with a common purpose, the numbers do indicate that the purpose is relevant, let alone important.

Some pairs headed out without too much conversation, some were deep in discussion, and still others were already laughing and telling some jokes to each other to lighten the mood of the day from the very start. Regardless, all pairs were there, present to the purpose of the Rutgers Turfgrass Research Golf Classic. Although we were all there to enjoy a great day of golf, we also were all there to support research grants and scholarships or fund special projects, equipment, supplies, and facilities that support the research, which in turn, supports our industry.

It is awe-inspiring to be a part of an industry that does the work required to ensure its collective success. Even while some of us within our membership compete with each other, we find this common purpose relevant to our careers and therefore come out to support it. Each of us should be proud of that fact. The camaraderie, networking opportunities, chance to spend a day at the course, and even simply get a day out of the office are all reasons enough to support the Golf Classic event. But I, for one, am certain that there is a deeper meaning to all of us for coming out to events like this.

Simply put, aside for the admiration I have for our industry and more specifically the NJTA membership, I thank each and every one of you for the support you offer. Whether it is the Rutgers Turfgrass Research Golf Classic, the Rutgers Field Days, or the Green Expo, I applaud you for your support; however you might express it.

Shannon Sked
NJTA President

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YOU CAN NOW UPDATE YOUR OWN MEMBER INFORMATION at our new website: www.njturfgrass.org (Company/Address/Email) Contact us below if you need help.

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11 Timeless Principles of Leadership



by Cece Peabody, MAT, CMP,
NJTA Executive Director

Sometimes emails cross my desk that are worth reading and worth sharing.

In 1948, the US Army developed the “11 Timeless Principles of Leadership”, and published them in an Army Field Manual in 1951. These principles have not been changed in over 60 years and are still used by all the Armed Forces in basic training including Marines, Air Force, and Navy - from entry level privates to officers at all levels.

No matter where you are on your personal leadership journey, these timeless principles can provide you with a useful tool for that periodic review.

1. Know yourself and seek self-improvement
2. Be technically and tactically proficient
3. Seek responsibility and take responsibility for your actions
4. Set the example
5. Know your people and look out for their welfare
6. Keep your people informed
7. Ensure the task is understood, supervised, and accomplished
8. Develop a sense of responsibility among your people
9. Train your people as a team
10. Make sound and timely decisions
11. Employ your work unit in accordance with its capabilities.

Do you have a favorite one or one that resonates with recent events in your life, your job, your world?



**Tuesday, July 29 &
Wednesday, July 30**

Rutgers Turfgrass Research
Field Days, Hort Farm 2
North Brunswick

29th: Golf and Fine Turf
30th: Lawn, Landscape,
and Sports Fields
*Registration forms and
Schedules in this issue.*

The advertisement features the Scotts Turf Builder EZ seed logo at the top left. Below it is a photograph of a small patch of green grass growing in a rectangular concrete planter. To the right of the planter is a large jug of Scotts Turf Builder EZ seed lawn fertilizer. The jug is white with a black cap and has a handle. The label on the jug includes the brand name "ez seed" and the words "TURF BUILDER". At the bottom of the advertisement, there is a yellow banner with the text "GROWS ANYWHERE! GUARANTEED!" in bold, green, sans-serif font. Small fine print at the very bottom indicates a limited time offer and copyright information.

SAVE THE DAYS - July 29 & July 30

by Craig Tolley, NJTA Director,
County College of Morris

The Annual Rutgers Turfgrass Research Field Days will be held at the Rutgers Turfgrass farm (Hort Farm II) in North Brunswick NJ! Come out and learn from the Rutgers Extension specialists. There will be updates on new turfgrass varieties, disease and pest control options. 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.

Along with the silent auction each day, there will be opportunities for additional education early and late. A CORE session starts at 8:30 am. Space will be limited so register early. At the end of each day, after the field tours there will be the Basic Training for the Professional Fertilizer Certification (included with your Field Day registration) again space will be limited please register early. After the Training session the Fertilizer Certification Exam will be administered (for an additional fee \$75).

Tuesday, July 29th, 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 be able to see the latest variety trials, with special attention given to the management of Velvet Bentgrass. Get first-hand knowledge of the latest management strategies for controlling Anthracnose.

Come back on **Wednesday, July 30th**, for **Lawn, Landscape, and Sports Field Day**. This year it will also be held in North Brunswick at the Turf Farm (Hort Farm II)! 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 30. Stop early before the tours and during lunch to see the latest products for turf and sport field management.

Rutgers Turfgrass Research Field Days

Pre-registration is now open! Members of the Turfgrass Association receive over 25% off the early bird registration fee (\$55.00 pre-registration, members only \$40.00) members of allied associations are also eligible for the member rate. Register today at <http://www.njturfgrass.org> early bird registration will be open until July 16. After that date, you will need to register when you get to Hort Farm.

These days are always well received and popular. There will be coffee and danish in the morning, and we'll be adding new mid-morning snacks (fresh fruit and granola bars), and then you'll be treated to a fabulous and filling lunch. What a great deal for \$40 for members!

PS - Remember to mark your calendars for the Green Expo Turf & Landscape Conference, December 9-11, 2014.



Green World

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

It was never a question of “If?” but rather a question of “When?” On May 21, 2014 the New Jersey Department of Agriculture confirmed that the emerald ash borer, *Agrilus planipennis Fairmaire* (*EAB*), an invasive beetle that attacks and kills ash trees, had been found in Somerset County.

The irony here is that this find and announcement coincided with Emerald Ash Borer Awareness Week, May 19 - 25, 2014.

A landscaper investigating unhealthy ash trees in a retail area in Bridgewater alerted the Department to a suspect insect infestation. State regulatory officials collected samples from the scene and sent them to the U. S. Department of Agriculture’s Systematic Entomology Laboratory, where the insect identity was confirmed as the emerald ash borer.

The emerald ash borer is a destructive wood-boring pest of ash trees (*Fraxinus spp.*). Native to China and the Far East, the EAB was unknown in North America until its discovery in southeast Michigan in 2002. Today, EAB infestations have been detected in 23 states including: Colorado, Connecticut, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New York, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia, Wisconsin, and now New Jersey.

In the United States, only ash (*Fraxinus spp.*) trees are at risk for EAB. Ash trees are widespread in the United States and all 16 native ash species are susceptible to attack. While all ash species are at risk, green ash and black ash are highly preferred. Mountain ash (*Sorbus spp.*) is not a true ash and is not threatened. EAB is a significant threat to our urban, suburban, and rural forests as it kills both stressed and healthy trees. EAB is so aggressive that ash trees may die within two or three years after they become infested. EAB has killed millions of trees and is expected to do nearly \$20 billion in damage in the United States.

Emerald Ash Borer NJ's First Official Find in Bridgewater, Somerset County

*Nick Polanin, Richard Buckley,
Sabrina Tirpak, Dr. James Lashomb*

Ash trees are as important ecologically as they are economically in the urban forests of the eastern United States. Ash trees fill gaps in forests and are highly desirable for urban tree planting. Ash wood is valued for flooring, furniture, sports equipment (e.g., baseball bats, hockey sticks, and oars), tool handles, and supplies for dairies, poultry operations, and beekeepers. Ash trees and ash wood are also significant to Native American cultures for traditional crafts and ceremonies. Ash species are abundant in planted and natural areas of urban forests and represent 10 - 40% of the canopy cover in many communities. Ash trees provide substantial economic and ecosystem benefits to taxpayers, ranging from increased property value, to storm water mitigation, to decreased energy demands.

Emerald ash borer had already been detected in Pennsylvania and New York counties bordering New Jersey, so the NJ Departments of Agriculture and Environmental Protection (NJDA and DEP) began participating in an Emerald ash borer survey. Over the past 4 years, more than 300 traps were set up around the state for EAB detection. Despite years of negative trap catches, most regulators, research scientists, and forest pest entomologists suspected that EAB was already here, and most likely had been in the area for 3 to 4 years prior to this confirmation.

The state will now survey trees in the area surrounding the initial find to determine the extent of the EAB infestation. It is expected that a federal quarantine will be expanded to include New Jersey very soon.

“We will be informing homeowners about the actions they can take to protect their ash trees from this tree-killing insect,” said New Jersey Secretary of Agriculture Douglas H. Fisher. “Since the emerald ash borer has been active just over our borders for quite a number of years, we expected that it would be found in New Jersey eventually,” said State Forester Lynn E. Fleming. “The DEP will work with the Department of Agriculture and other appropriate agencies to educate landowners on how to identify this

Emerald Ash Borer

Nick Polanin, Richard Buckley, Sabrina Tirpak, Dr. James Lashomb

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invasive beetle and mitigate infestations.”

Biology and Identification

The adult emerald ash borer is a metallic green, bullet-shaped insect about one-half inch long and one-eighth inch wide. Adult beetles vary in color, but are usually bronze, golden, or reddish green overall, with darker, metallic, emerald green to- sometimes blue wing covers. Of particular note is the reddish/purple coloration on the dorsal side of the abdomen. The “red” abdomen can be seen if the wings are spread.

EAB adults mate shortly after emergence in the spring. Each female can lay 60-90 eggs in their lifetime and eggs typically hatch in 7-10 days. The female beetles lay eggs on the bark of ash trees. Once the eggs hatch, the larvae bore through the bark into the cambium, which are the fluid-conducting vessels underneath the bark or what is sometimes called “sap wood.” Larvae feed and develop in tight serpentine galleries in the cambium that become wider as the insect passes through 4 instars (growth phases). Larvae are white to cream-colored, and dorso-ventrally flattened. In fact, larvae in this insect family are commonly known as “flat-headed” borers because the first thoracic segment (prothorax) is flattened. The brown head is mostly retracted into the prothorax, and only the mouthparts are visible. The abdomen has 10 segments, and the last segment has a pair of brown, pincer-like appendages.

Prepupal larvae overwinter under the bark of infested trees. Pupation occurs in late-April and adult beetles begin to emerge from infested trees by late-May around 500 degree-days. By July, most adults are out. Peak adult flight is estimated to be somewhere around 1000 degree-days. Exit holes are characteristically D-shaped. Adult EAB feed on new leaves with chewing mouthparts.

Large infestations essentially cut off the flow of nutrients between the roots and the leaves, which causes the branches to dieback or “flag.” EAB kills trees within three years following the initial infestation. Adults are most active on clear, calm days and are likely found on the warm, sunny sides of the trees.

They are strong flyers.

Symptoms of Beetle Infestations

Ash trees with low population densities of EAB often have few or no external symptoms of infestation. Symptoms of EAB damage to ash trees include: canopy dieback beginning at the top of the tree and progressing through the year until the tree is bare; sprouts and epicormic branches growing from the roots and trunk; splitting bark, S-shape galleries underneath the bark; D-shaped exit holes where adults have emerged from an infested tree; and increased woodpecker activity on infested trees, as they hammer and create large holes to extract and feed on the larvae. Adult EAB chew holes and notches in leaves.

Management Protocols

After its initial discovery, regulatory agencies attempted to eradicate EAB through removal and destruction of all ash trees in infested areas. Unfortunately, this proved unsuccessful and was soon abandoned for an integrated approach to EAB control. Integrated Pest Management (IPM) of urban EAB populations is now widely accepted by university scientists, commercial arborists, municipal foresters, public works officials, and non-governmental organizations (NGOs).

One way to prevent spread of the beetle is to refrain from moving firewood, especially removing it from an existing quarantine zone. Moving firewood from the woods or campground is an easy vehicle for tree-killing forest pests such as EAB and Asian long-horned beetle to get around, infesting a new location as they emerge from the firewood stored in your yard. Using locally sourced firewood when burning it at home eliminates this risk, and when travelling, burn the local firewood where you buy it, and make sure to burn all wood you purchased. EAB can persist in cut wood for 1-2 years, so it is particularly important to identify infestations before stacking or storing cut trees.

Early in the EAB program, APHIS (Animal Plant Health Inspection Service) and the US Forest Service initiated a search for potential biological control agents in The People’s Republic of China. Three potential biological control agents were identified; *Spathius agrili*, *Tetrastichus planipennisi*, and

...continued on page 8

Emerald Ash Borer

Nick Polanin, Richard Buckley, Sabrina Tirpak, Dr. James Lashomb

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Oobius agrili. Since 2007, releases of these stingless wasps show promise as a long-term management strategy.

Despite the failure of eradication protocols to stop the spread of EAB, residential clients, property managers, and municipalities continue to rationalize tree removal as the pest solution to pending EAB infestations. Ash tree conservation should be a fundamental component of integrated programs to manage EAB in residential and municipal landscapes. Cost-effective, environmentally sound EAB treatment protocols are now available that can preserve ash trees through EAB outbreaks. Currently, there are three systemic insecticides registered for control of EAB – dinotefuran for basal trunk bark or soil application, imidacloprid for soil application or trunk injection, and emamectin benzoate for trunk injection only. University research suggests that all of these treatments can provide control of EAB that is sufficient to maintain a functional and aesthetically pleasing ash canopy.

Insecticide treatments are most effective when applied before trees are infested. Despite this, insecticide treatments should not be applied to trees that are not at risk. Treatments are suggested once EAB infestations have been detected within a 15 miles radius of any tree worth saving. To provide some decision-making cushion, insecticide treatments can also save ash trees with low level of EAB infestations. Spring is the ideal time for treatment, but soil application in fall can be effective in some situations. Different treatment regimens will be optimal under different situations -- no single treatment plan or application method is best under all circumstances. Read all pesticide labels carefully to find the material and application method that is most effective for your particular situation.

Be aware that a sustained treatment program will be needed to conserve trees through peak infestation periods. There is research to suggest, however, that as the local EAB population declines due to death of untreated trees,

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LEGISLATIVE CORNER

Goodbye and Good Luck!

by Brian Feldman, Legislative Chairman

We say farewell and best of luck to **Nancy Sadlon**, former NJGIC Executive Director. Nancy has served as AEC/NJGIC Executive Director for almost 20 years and she will be sorely missed. Nancy is assuming a new role with Phillips 66–Bayway Refinery as the Manager of Public Relations. In her new position, Nancy will continue to perform government affairs in Trenton, community relations and internal communications.

Nancy has officially started her new position on May 5th, but she will continue to assist the Council during transition to new leadership.



The NJGIC board is exploring new and exciting opportunities to fill this role and expanded activities to educate public officials on our industries practices, professionalism, environmental stewardship and value to the economy.

Bill Watch List: <http://www.njleg.state.nj.us/>

A1373: Prohibits use or sale of neonicotinoid **Pesticides**.

Could possibly ban products like Merit from use on turf.

Last Session Bill Number: A4349

A2143: The “Safe Playing Fields Act”; restricts use of lawn care **Pesticides** at child care centers and certain schools, playgrounds, and recreational fields.

Restricts and banned of certain EPA registered pesticides from use on turfgrass and ornamentals.

Identical Bill Number: S541

Last Session Bill Number: A2412

A1580: Amends law concerning application, sale, and use of **Fertilizer** to exempt organic **Fertilizer** from certain requirements.

Looks to amend language of current Fertilizer law in order to further define organic fertilizers, thus allowing for exemption in its class.

Identical Bill Number: S572

Last Session Bill Number: A2409 S893

2014 NJGIC Pollinator and Neonicotinoid Summit

October 7, 2014 – East Windsor Holiday Inn Conference Center

The issue of bee decline and initiatives to restrict the use of pesticides has been a subject of national media attention over the past several years. Misinformation is abundant, and the exact cause of bee decline is under debate. This debate has caused a recent rise in legislation looking to restrict certain pesticides. Similar legislation is being debated in other states as well as at a federal level. Pollinator safety protection via EPA label changes has recently been released and will affect uses.

The NJGIC aims to create an informative and science based symposium to discuss the issues, and educate the industry on the scientific facts. This symposium is scheduled for Oct. 7, 2014. Anyone wishing to learn more about the subject should view the NJGIC website <http://developersserver.com/Projects/g7/NJGIC/>

Registration cost (NJGIC and Allied Association Members \$35; non-members \$55).

Emerald Ash Borer

Nick Polanin, Richard Buckley, Sabrina Tirpak, Dr. James Lashomb

..continued from page 8

it is possible that treatment frequency may be reduced or eliminated. Research on this question and other aspects of EAB management is ongoing.

Report signs of the beetle to the Department of Agriculture at 609-406-6939.

Adult Emerald Ash Borer



Emerald Ash Borer Galleries

Emerald Ash Borer exit hole



The 19th Rutgers Turfgrass Classic Was Another Day To Remember

by Shaun Barry, Golf Classic Chairmain

For 19 years this event has never failed to impress everyone who has taken the opportunity to support the efforts of Dr. Bruce Clarke, Dr. William Meyer, the Center For Turfgrass Science, and the NJTA Foundation. That support comes in many different ways.

Some companies have become **Premier Sponsors** (BASF, Bayer, DLF Pickseed USA, Grass Roots, John Deere Golf/ Finch Services Inc./John Deere Landscapes, Landmark Turf & Native Seed, Lebanon Turf, Mountain View Seeds, Pro-Seeds Marketing Inc/ Alliance Seeds, Syngenta, Storr Tractor Co & Toro and The Scotts Co.) which involves a large monetary donation but it means that they have to find 12 golfers to fill-out their 3 teams. That can be a difficult thing to do in this “work from sun-up to sundown” world especially if you are located on the west coast. Being located on the east coast makes it a bit easier but it still requires lots of work to fill the slots. Paige Electric was our only **Eagle Sponsor** and

that means they are responsible for 8 players. These sponsors are responsible for almost half of our 330 golfers. They are also asked to support our Silent Auction. That is what I call commitment.

After reading the paragraph above, it is very evident that Bill and Bruce are correct when they say that we can't thank our sponsors enough for what they do. They are the backbone of our success and why we are over 1.4 million dollars in funds raised that go to the Rutgers Center For Turfgrass Science.

In addition to the list above, it is important to thank our Birdie, Par and Hole Sponsors along with the association teams, individual teams, individual players and Silent Auction donors and bidders. If our early numbers are correct we will have set a new record for the Silent Auction and the credit for that goes to Rick Krok, Darrell Marcinek, Cece Peabody, Matt Paulina, our volunteers, those who donated and those who bid on the items.

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2014 RUTGERS TURFGRASS RESEARCH FIELD DAYS

THIS FORM IS EARLY BIRD REGISTRATION ONLY

If not received by 7/16/14, you must register Onsite.

Tuesday, July 29, 2014 GOLF & FINE TURF Day

Hort Farm 2, 102 Ryders Lane

North Brunswick NJ

- 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 Certification or Recertification Exam (\$75)

Tuesday, July 29, 2014 SCHEDULE OF THE DAY

7:30 AM	Registration Opens
8:00 - 8:30 AM	CORE Session (Limit 80) - 1 Credit SILENT AUCTION Opens
9:00 AM	TOURS Begin
1:00 PM	TOURS End
1:00 - 2:00 PM	Lunch & SILENT AUCTION Ends
2:00 PM	Field Day Ends (Unless staying for below) NJTA Board Meeting • Rutgers Advisory Mtg
2:00 - 3:00 PM (Optional)	BASIC TRAINING for ProFACT (Professional Fertilizer Applicator Certification) - Earn 2 CEU Credits
3:00 - 4:00 PM	Fertilizer EXAM @ \$75 per person

SILENT AUCTION ITEMS ON Both Days!

Be the highest bidder and win great products!

Wednesday, July 30, 2014 LAWN, LANDSCAPE & SPORTS FIELDS Day

Hort Farm 2, 102 Ryders Lane, N. Brunswick NJ
SFMANJ-Sponsored Table Top Trade Show

- 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
- Basic Training for the Professional Fertilizer Applicator and Certification or Recertification Exam (\$75)

Wednesday, July 30, 2014 SCHEDULE OF THE DAY

7 :30 AM	Registration & Trade Show Opens
9:00 AM	TOURS Begin & SILENT AUCTION OPENS
1:00 PM	TOURS End
1:00 - 2:00 PM	Lunch & SILENT AUCTION Ends
2:00 PM	Field Day Ends (Unless staying for below) BASIC TRAINING for ProFACT (Professional Fertilizer Applicator Certification) - Earn 2 CEU Credits
3:00 - 4:00 PM	Fertilizer EXAM @ \$75 per person

Event is hosted by the New Jersey Turfgrass Association



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



Use Registration Form on other side or Register Online at 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@njturgrass.org

2014 RUTGERS FIELD DAYS REGISTRATION FORM

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

EARLY REGISTRATION FEES & MEMBERSHIP CHOICES

THIS FORM IS EARLY BIRD REGISTRATION ONLY • If not received by 7/16/14, 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), Cultivated Sod Growers Assn of NJ (CSGANJ), NJ Nursery Landscape Assn (NPNLA). Membership is subject to verification.
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"/> CSGANJ	<input type="checkbox"/> NPNLA
WRITE FEES for CORRECT DAYS ATTENDING:			TUESDAY	WEDNESDAY	
** MEMBER EARLY BIRD - Before 7/16/14 After 7/16/14: \$55 - OnSite Registration Only		x \$ 40 Each Day	\$ _____	\$ _____	
NON-MEMBER EARLY BIRD - Before 7/16/14 After 7/16/14: \$70 - OnSite Registration Only		x \$ 55 Each Day	\$ _____	\$ _____	
* NJTA MEMBERSHIP: One (1) Individual Member		x \$ 80 Each	\$ _____		
* Turfgrass Members: Golf Course, Lawn Care, Landscaper		x \$ 210 (1-3 Names)	\$ _____		
* Business Members: Manufacturer/Supplier or Sod Producer		x \$ 275 (1-4 Names)	\$ _____		
PRINT Member Names:					
• No Fee if ONLY attending 2 PM Training Session. • \$75 Fee for Certification OR Recertification EXAM		x \$75 Exam	\$ _____	\$ _____	
If NOT received by 7/16/14, you must register Onsite.		SUB TOTAL	\$ _____	\$ _____	
Total of Tuesday & Wednesday Columns		GRAND TOTAL	\$ _____		

BOTH DAYS AT HORT FARM 2 • SILENT AUCTION - WIN BIG!

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

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

Today's Date: _____

Enter FIRST and LAST Name and EMAIL Address for Confirmation for each attendee:

(1) _____	EMAIL _____
(2) _____	EMAIL _____
(3) _____	EMAIL _____
(4) _____	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.

2014 FIELD DAYS SPONSORSHIP FORM



2014 Rutgers Turfgrass Research Field Days SPONSOR OPPORTUNITIES

Dear Friend:

June 2014

Rutgers Turfgrass Research Field Days are one 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 2014** on **Tuesday, July 29th, and Wednesday, July 30th**. We hope you will partner with NJTA and become a **SPONSOR** of this event. Sponsorship opportunities are below. 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	COST	BENEFITS
PLATINUM Sponsor	\$1500	Four (4) Complimentary Registrations (<i>In total not each day</i>). Signage with Company logo; Verbal recognition at lunch; Logo on NJTA website.
GOLD Sponsor	\$ 750	Three (3) Complimentary Registrations (<i>In total not each day</i>). Signage with Company logo; Verbal recognition at lunch.
SILVER Sponsor	\$ 500	Total of Two (2) Complimentary Registrations (<i>In total not each day</i>). Signage with Company logo; Verbal recognition at lunch.
BRONZE Sponsor	\$ 375	One (1) Complimentary Registration (<i>In total not each day</i>). Signage with Company logo.
BREAK Sponsor (Mid AM Snacks)	\$250	NEW! One (1) Complimentary Registration (<i>In total not each day</i>). Signage with Company logo.
FIELD DAY Research Supporter	\$100	Signage with Company logo.
GOLF CARTS Sponsor	Sponsored by VIC GERARD GOLF CARS	One (1) Complimentary Registration each day. Signage with Company logo; Verbal recognition during lunch program.
WATER Sponsor	Sponsored by CRYSTAL SPRINGS WATER	One (1) Complimentary Registration each day. Signage with Company logo; Verbal recognition during lunch program.

Yes, we would love to be a 2014 Field Days Sponsor! (Reserve your spot now -- we'll send an invoice.)

Select Sponsorship Category: PLATINUM GOLD SILVER BRONZE BREAK SUPPORTER

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 • execdirector@njturfgrass.org

SILENT AUCTION

Rutgers Turfgrass Research Field Days

Proceeds Benefit the
New Jersey
Turfgrass Foundation

Dear Friend:

June 2014

The New Jersey Turfgrass Foundation showcases limited items each day at the **SILENT AUCTION**. Over 800 green industry members from the Northeast and Canada attend both Field Days and can place a bid. Highest bids win the item. 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 29th, and/or Wednesday, July 30th. 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.

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

DIRECTIONS to the FARM:

HORT. FARM 2

102 Ryders Lane,
North Brunswick NJ

- 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.

2014:

**Due to construction at Adelphia Farm,
both Field Days will be at Hort Farm 2.
We look to return to Adelphia in 2015.**

Contact Person _____

Company _____

Address _____

Phone Number _____

Email _____

Company	Donated Item/s	Value	Tues or Weds?

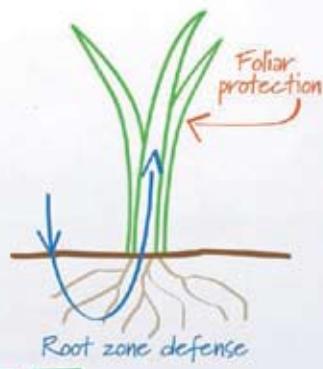
The 19th Rutgers Turfgrass Classic..continued from page 11

If you were able to attend this event, you saw all of the amazing work being done at Fiddler's Elbow. The changes to the course were completed and everything was ready for play. The club had also been promised by the general contractor that everything would be in order by the time our event happened. It didn't work out that way. Everything was under construction around the clubhouse but nothing was a major issue. Registration was a little convoluted, parking was at a premium because of the construction trucks, the pro-shop was still being built, the locker-room was a day away from getting its CO, the patio was reduced in size but I did not hear one complaint from a single attendee. They came to support Rutgers and to enjoy the day and that is what they did. We had a nice turnout for our hour of education and there was plenty of room on the driving range so there was something for everyone.

The staff at Fiddler's was amazing as usual. Juggling changes and late arrivals always puts a strain on them but they handled things very smoothly. Dr Clarke addressed the 330 players, thanking our sponsors and everyone in attendance. He was brief and soon the carts were rolling. Out on the courses, people were soon hitting golf shots and having dogs and burgers for lunch. Depending upon which course you were on you got to meet one of the professors and have them help you with a shot. Stacy Bonos was on the River, Bingru Huang and Jim Murphy took turns on the Forest and Bruce Clarke was stationed at the 11th hole on the Meadow. He helped 6 teams by sinking a putt for them. It was great chance to interact with one of Rutgers' best. Bruce says that he doesn't play golf but I think he may have put a green in his backyard and has called it a research plot....:-)

continued on page 17

Protect from root to leaf tip with one defensive play.



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Rutgers Golf Classic...

continued from page 16

The weather was as good as the condition of the courses but things will somehow get even better because they aren't finished with making changes. If you haven't been here in a while, make sure you attend next year because the "new" Fiddler's Elbow will surprise you.

After golf we were once again treated to their extensive extended cocktail hour. As they did last year, **Mountain View Seeds** sponsored dinner in addition to being a **Premier Sponsor**. They want to do even more but for now this is a really good thing to sponsor. The food choices are varied and everything is top-shelf. Chef Michael certainly knows how to prepare for such a large gathering. The only downside about this is that everyone is having such fun eating pizza, enjoying cocktails and meeting old friends, that nobody wants to leave the patio to enter the ballroom to hear the acknowledgements and who were the winners.

www.njturfgrass.org

Our wrap-up gets shorter and shorter because we know so many people are traveling and they have planes to catch. *Bruce, Bill and Dean Bob Goodman* spoke and Matt Sweatlock took pictures. Within 10 minutes we were done although Cece and Angela spent another half-hour wrapping up the Silent Auction. In that 10 minutes Bruce thanked every one of the *Premier and Eagle Sponsors* and host superintendent Matt Willigan had his course superintendents stand and be recognized. There also was a special presentation made by *Tom Hurley*. Mr Hurley is the general manager at the club and he had a presentation that was made to Bill, Bruce and Matt Sweatlock. He had gone to the trustees of the club and asked them to make a donation to the NJTA Foundation because the non-golf conditions were not up to the standards that they wanted for this event. The trustees immediately agreed and Tom was able to present a check in the amount of \$6,000. I think I know the answer to my next question but how many other clubs do you think would be so generous...?

Thank-you Fiddler's Elbow, Tom Hurley, Dan Flint, Matt Willigan and everyone at Fiddler's Elbow for such a wonderful event! We will see you in 2015.

[See all the winners on the next page.]

www.njturfgrass.org

WINNERS AT RUTGERS GOLF CLASSIC

Rutgers Cup:

Syngenta: Rob Arnts, Doug Gonzales, Todd Krauss,
Lee Kozsey- 74

Association 1st Place:

Pocono Turfgrass Association:
Steve Chirip, John Downer, Tom Moore, Jim Wagner-
63

Association Last Place: NJTA

Chris Carson, Ron Luepke, Karen Plumley,
Matt Sweatlock- 74

Forest Course:

1st Place: Harrell's
Scott Hall, Josh Kopera, Greg Nicoll, Travis Pauley- 62
2nd Place: Quali-Pro
Brett Corbett, Jerry Corbett, Andrew Franks,
Phil O'Brien- 64 (MC)
3rd Place: Plant Food Company
Tom Ashfield, Jamie Devers, Todd Raisch,
Tom Weinert- 64 (MC)

Closest To The Pin:

Forest #8- Josh Kopera- 5ft 11ins
Forest # 17- Steve Chirip- 3ft 11ins
River #8- John Kennedy- 6ft 7ins
River #17- Denise Smith- 2ft 10ins

Meadow Course:

1st Place: SipCam

Chad Bennett, Kurt Fellenstein, Curt Hellenga, Augie
Young- 62

2nd Place: John Deere Golf

Rob Castiglia, Tom Hannigan, Shawn Ross, Kevin
Skelly-65

3rd Place: Civitas & LaCorte

Palmer, Gale Stenquist, Jeff Sutphen, John Wiblishauser-
66 (MC)

River Course:

1st Place: Grass Roots

Pat Dolan, Ken Kubik, Tim McAvoy, Mark Mielder- 61

2nd Place: Tee-2-Green

Melodee Fraser, Joel Hemenway, Andrew Mottei, Lewis
Sharp- - 63

3rd Place: Storr Tractor

Jim Cadott, Mike Hocko, Glenn Miller, Blair Quin- 64
(MC)

Closest To The Pin:

Meadow #9- Augie Young- HOLE-IN-ONE
Meadow #17 Ken Karamichael- 6ft 5ins

Longest Drive:

Men Forest #5- Gordon Krester
Men Forest #14 Gordon Kaufman III
Men Meadow #7- Chris Brock
Men Meadow #15- Sam Camuso
Men River #6- Andy Schuckers
Men River #11 - Paul Dotti
Women River #1- None
Women River #13- Denise Smith

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SNAPSHOTS FROM THE 2014 RUTGERS TURFGRASS RESEARCH GOLF CLASSIC, MAY 5, 2014. THANKS FOR YOUR SUPPORT!



**More SNAPSHOTS FROM THE DAY...WE
THANK OUR MANY SPONSORS FOR THEIR
GENEROSITY!**



Somerset County RCE Commemorates Centennial with Proclamation and Tree Planting

by Nick Polanin

On May 13, Rutgers Cooperative Extension of Somerset County was presented with a proclamation from the Somerset County Board of Chosen Freeholders in recognition of the centennial anniversary of Cooperative Extension. The proclamation also recognized the various milestones of RCE faculty and staff dating to 1918 when RCE of Somerset County was established.

This recognition was followed on Wednesday, May 14, with the official planting of a Rutgers dogwood variety Hyperion®, in collaboration with the Building and Grounds Committee of the Somerset County 4-H Association.

This dogwood, which was planted in front of the Somerset County 4-H Center to commemorate the 100th anniversary of Cooperative Extension, will serve as a legacy planting for the centennial celebration as well as a reminder of the incredible work of Elwin Orton, professor emeritus of plant biology and pathology at Rutgers, and his many achievements in the dogwood and holly breeding programs at the university.

Orton, who was inducted into the New Jersey Inventors Hall of Fame in 2012, was credited with “saving the U.S. dogwood industry” with new strains of hardy, disease- and pest-resistant hybrid dogwoods when diseases and insects threatened the native species of the popular flowering tree.

“These awards cover all of my work so it makes me feel confident for once in my life that my career as a plant biologist was successful and I did make an impact in woody ornamentals,” Orton said at the time. “So I am very, very pleased. It gives me great pleasure knowing that millions of people are enjoying my new dogwoods.”

Orton has earned more than 15 patents, with more pending, for new strains of dogwoods and holly that he developed over his four-decade career at Rutgers. The university estimates that the retail value of his creations is greater than \$200 million and licensing royalty proceeds to Rutgers exceed \$1.9 million.

A resident of Millstone, NJ, Orton earned a bachelor's in horticulture from Penn State in 1952 and a master's in horticulture from Ohio State in 1954. Shortly after earning a doctorate in plant genetics from the University of Wisconsin in 1960, Orton joined Rutgers. He was promoted to professor in 1973 and became a Professor Emeritus in 2008.

Dogwood lovers have embraced Orton's hybrid varieties as being unique, both with flowering and form, which are significantly improved compared to the native American dogwood. Rutgers hybrid dogwood varieties have earned a reputation for improved performance as landscapers and gardeners now recognize Rutgers dogwoods to be highly resistant to the dogwood borer, while displaying significantly improved resistance to powdery mildew and dogwood anthracnose.

Hyperion® is the most recent commercial release from Orton's famed hybrid dogwood breeding program at Rutgers University. Among this variety's many coveted qualities is its profuse white flowers (bracts), attractive strawberry-like fruit during the fall months, extreme vigor and rapid growth, tolerance of drought conditions and high resistance to the diseases powdery mildew and anthracnose. In fact, no insect or disease problems have been observed during the almost 30 years since the original Hyperion® hybrid seedling was established in the field.



People in the photo: L-R: Lisa Rothenburger, RCE 4-H Agent; Mike Frost, Director of Human Services, Somerset County; Daryl Minch, RCE Family and Community Health Sciences Agent; Carol Ward, RCE 4-H Agent; Nancy Mullin, RCE Master Gardener; Michelle Samarya-Timm, Somerset County Health Department; Ed Seidel, President, Somerset County Board of Agriculture; Sam Conard (rear), farmer, Belle Mead, NJ; Joe Bakes, Past-President, Somerset County 4-H Association; Betty Sommerville (rear), Somerset County 4-H Club Leader; Camille Haberle, RCE Master Gardener; Peggye Tombro, RCE Master Gardener; and Nick Polanin, RCE Ag Agent.

PHOTOGRAPHS COURTESY OF Matt Sweatlock and Shaun Barry



CALENDAR

2014 Event Dates

**Tuesday & Wednesday
July 29 & 30, 2014
Rutgers Turfgrass Research
Field Days**

Tuesday: Hort Farm 2
North Brunswick NJ

Wednesday: Hort Farm 2
North Brunswick NJ

**NOTE: Due to construction at
Adelphia Farm,**

Wednesday will be held at Hort Farm 2.

**Tuesday - Thursday
December 9-11, 2014
GREEN EXPO**

Turf & Landscape Conference

*Trump Taj Mahal Resort Casino,
Atlantic City NJ*

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
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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@njturgrass.org*

New Jersey Turfgrass Association

25 US Highway 46 W • Wayne, NJ 07470-6801
Phone (973) 812-6467 • Fax (973) 812-6536
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The Rutgers Plant Diagnostic Lab

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

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

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