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**Tuesday - Thursday  
December 5-7, 2023  
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Atlantic City NJ**



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# CONTENTS

## Articles

- 6 Expo 2023 is Ready to Go
- 7, 8 Rutgers Field Days - Two Days to Remember
- 9 Lawn Renovation Projects
- 10 - 11 FIELD DAYS Pictures
- 12 GREEN EXPO Sessions - GOLF
- 13 GREEN EXPO Sessions - LAWN & LANDSCAPE
- 14 GREEN EXPO Sessions - SPORTS FIELDS
- 16 GREEN EXPO Registration Form
- 18, 20 The End is Nigh - NJ's Neonic Ban
- 21 Expo Sponsors & Exhibiting Companies *(as of 10/3/23)*
- 24 NJTA Membership Application -1
- 25 NJTA Membership Application -2



## In each issue

- 3 Patron Directory
- 4 From Your President
- 5 From Your Executive Director
- 30 Meet NJTA Board of Directors
- 31 NJTA Annual Events
- 31 Rutgers Extension Offices

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# 2023 PATRON DIRECTORY

Ad location page in bracket after Company Name

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## **STORR TRACTOR COMPANY** [Page 2]

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## President's Message: Matt Lindner

*Matt Lindner*  
NJTA President



The summer of 2023? Did you experience one? Depending upon where you were, we dealt with excessive heat and drought early, followed by maybe excessive downpours or just a few drops. Heat came and went and came again. Diseases were pretty much non-existent until the end of July and then everything came out. It was once again, a year of weather for the record books.

The summer of 2023 remained active for the NJTA. At our last board meeting, some numbers were presented that I want to share with everyone.

1. The 2023 Golf Classic netted \$149,000 for the NJTA Foundation and Rutgers. Though only slightly lower than 2022, given increases in expenses, this is fantastic. **THANKS TO ALL THE PLAYERS, SPONSORS, GOLF COMMITTEE and EVERYONE ELSE INVOLVED IN MAKING THIS A SUCCESS! SPECIAL THANKS TO CHAIRMAN SHAUN BARRY AND HIS COMMITTEE.**

2. Field Days were held July 25 for Golf and Fine Turf and July 26 for Lawn, Landscape and Sports Fields. Attendance was slightly lower than in 2022 given the weather, however revenue generated for both days was up slightly over that of 2022. **A SPECIAL THANKS TO TRACY WADHAMS CHAIR, AND CRAIG TOLLEY, CO-CHAIR OF THE FIELD DAY COMMITTEE and THEIR ENTIRE TEAM FOR MAKING THE 2023 FIELD DAYS A SUCCESS. THANKS ALSO TO ALL THE PARTICIPANTS and THE RUTGERS PROFESSIONALS WHO TOOK THE TIME AND ENERGY TO PUT THESE DAYS ON!**

3. The Silent Auction is offered at both the Golf Classic and Field Days. A great deal of time, energy, and sweat go into putting these auctions together and "selling" the great items that are donated by many companies and individuals. Together, the Golf Classic auction and Field Day auctions generated around \$27,000 for Rutgers. I want to thank everyone who purchased some great deals at any of the actions, but more importantly, a special thanks to **THE SILENT AUCTION COMMITTEE CHAIRED BY JOSH KOPERA AND DONOVAN MAGUIGAN.**

4. A sincere and special thanks to all chairpersons and committees. The people on the NJTA Board, the NJTA Foundation Board, and the various committees are all volunteers. Long hours and commitment are required by these volunteers to make the NJTA a success. Why do we do it? We do it to support the greatest turfgrass institution in the world..... Rutgers University! Thank You One and All!

There are additional articles throughout the next few pages that give some details about how your membership dollars and donations are used to support Rutgers and the turf program!

Green EXPO 2023 is set. The dates are Dec 5-Dec 7, 2023, at the Borgata Hotel in Atlantic City. Mark your calendars and register now for the event. You will find additional information about Green EXPO and early registration forms in this Clippings issue.

I'd like to challenge not only the NJTA board members but also you. The challenge for everyone is to bring a new person to join the NJTA. For the past ten (10) years, the NJTA membership has been hovering right around or above the 800 – 850 mark. The events held by NJTA: The Golf Classic, Green Expo, and Field Days bring many people in attendance; many more than the current membership number. Why aren't more people or attendees becoming members? Everyone agrees there are many benefits we receive from Rutgers University and the Turf Program. These benefits and the support of Rutgers can't continue without YOU supporting NJTA.

- Have you renewed your membership?
- Can you bring at least one new person to become a member?

I think you can, and I challenge you to make that a goal for 2024. Help NJTA grow its membership resulting in more funds available for Rutgers University and the Turf Program.

JOIN or REJOIN NOW!





## Pack Your Bags for Expo!

Cece Peabody, MAT, CMP  
Executive Director

Time Flies When You're Having Fun! At least that's what 'they' say. Everyone has had challenges this year in business...whether you're on the supplying side or the doing side...from weather, staff, materials, or other...2023 has been an interesting year. In spite of this, the New Jersey Turfgrass Association continues to step up and bring the best of turfgrass research and education to our members.

So...the days, the weeks, the months have gone by and now we are preparing for the best Green Expo Turf and Landscape Conference in the Northeast (some even say in the country). NJTA works closely with many Rutgers professors, the Sports Field Managers Association of NJ, the Golf Course Superintendents Assn of NJ, the Irrigation Assn of NJ, the New Jersey Nursery and Landscape Association, the New Jersey Landscape Contractors Association, and the New Jersey Green Industry Council -- all with the end goal of providing excellent science based education for attendees. You earn certification or recertification credits to enhance your jobs, you walk and talk with colleagues, you visit the trade show over two days to see the latest and greatest products to make yourself and your company better and better.

So...sign up today to join over 1100+ attendees to attend this show on December 5-7, 2023, in Atlantic City at the Borgata Hotel and Casino. You don't need to pack your bags quite yet, so check with your friends and colleagues and come down together! See you at the Green Expo.

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Dan Farnes, Director of Fields and Grounds  
America First Field, Real Salt Lake

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# EXPO 2023 IS READY TO GO

When we plan our Expo education program, the committee spends a lot of time -months, in fact- making sure that the latest science will be presented, problems from the current season will be addressed, our Trade Show will be filled with the people and companies that can help you succeed... and that you will have fun as well. With those goals in mind, our Expo program is set and ready to roll.

We hope all landscape professionals agree, and plan to join us at the Borgata Hotel in Atlantic City on December 5-7 for three days packed full of education, information, and camaraderie.

**Need credits?** In addition to ProFACT fertilizer application credits (number to be determined) there are opportunities to gather many:

Sports- 12 3B; 7 3A; 9 cat 13; 8 Core

Lawn & Landscape- 10 3A; 15 3B; 8 Core

Golf- 9 Core; 4 3A; 18 3B

And don't forget that all of our programming is open to all, so if you need a particular pesticide category you are free to attend any sessions you choose.

**Need answers?** We will have a fantastic group of turfgrass professionals and scientists on hand to address the specific questions you have, and we've taken great care to include answers to the problems evident in 2023 along with the exciting opportunities that are becoming available for the future. Check out the program included in this newsletter to see the diverse group of presenters who will be on hand to help you improve your skills and grow your professional worth.

**Need a break from the grind?** The Borgata is the premier property in Atlantic City, with many places to unwind with friends. Thanks to our loyal sponsors and business partners, food and drink are offered during our trade show hours, and the party really gets going on Tuesday night... to the point where we eventually have to dim the lights and shoo attendees out into the hallways where they may continue their conversations or decide "what's next?" And don't forget the Mix 'n Mingle party hosted by Grass Roots on Wednesday night, the premier social event of the calendar, where all are welcome!

*Chris Carson*

*Chairman, Green Expo*

Expo is a great chance to get away, unwind and learn some new things... and we can't wait to see you. Please register early to take advantage of early-bird discounts, and make your room reservations early as well, because we sell out our large room block every year and we don't want you to be disappointed.

**Expo 2023 is Ready to Go... all we need is you!**





As summer comes to an end it is time to reflect on another great season and successful summer Fields Days. This event was made possible with the support of the many Field Days sponsors, dedicated Rutgers staff and volunteers of the New Jersey Turfgrass Association in conjunction with the Rutgers farms staff.

This year for the first time, it was not the hottest day of the year. We had two wonderful days at the end of July for the annual Rutgers Turfgrass Research Field Days with near record attendance. There were almost 800 participants this year, the highest since 2019.

Golf and Fine Turf day returned to the Rutgers turf Hort Farm II in North Brunswick. Those who attended were able to start the day with the traditional early bird core session, presented by Mr. Mike Reed. Always an entertaining and informative presenter to start the day!

The field tours commenced with updates on the breeding trials. The attendees were able to visit the 2018 NTEP Tall Fescue trial and see the updates on the 2020 NTEP Creeping Bentgrass fairway trial. Additionally, they visited the 2020 NTEP Bentgrass putting green trials where the varieties were screened for improved shade tolerance.

The weed science team, led by *Dr. Matt Elmore*, made several contributions to the field tours. One of the first stops was a study looking at integrated control of False Green Kyllinga.

## Rutgers Turfgrass FIELD DAYS - Two to Remember!

*Craig Tolley  
Field Days*

There was also a study evaluating how different ecotypes of Goosegrass are affected by varying management strategies and plant growth regulators. Later in the tour a study was presented using chemical and non-chemical methods for the control of crabgrass.

The attendees were able to meet the new Rutgers turfgrass pathologist *Dr. Ming-Yi Chou*. Dr. Chou had the opportunity to present some of his work on control of Brown Patch and Take-all Patch by utilizing fungicides, fertility and biorational products. Later in the day Dr Chou's team also shared their work on control of Anthracnose and Dollar Spot.

The attendees of this day benefited from presentations and research updates from *Dr. James Murphy* and *Dr. Albrecht Koppenhofer*. Dr. Koppenhofer presented on Annual Bluegrass weevil control and Dr. Murphy presented on the effects of fine topdressing sand and persistence of Creeping Bentgrass putting greens.

*Continued on next page*



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# Rutgers Turfgrass FIELD DAYS - Two to Remember!

Lawn, Landscape, and Sports Field day was held at the Rutgers Adelphia farm in Freehold. Following with tradition, the day began with the Sport Field Managers Association of New Jersey's trade show and embedded equipment demonstrations during the field tours.

The Rutgers turfgrass breeding team contributed greatly to this day highlighting the extensive work they do at this farm. Attendees had the opportunity to see breeding trials of Kentucky Bluegrass, Perennial Ryegrass, Fine Fescues, and Tall Fescue. There was an interesting study looking at the establishment of warm-season turf species and their performance in New Jersey. The turfgrass weed science team was also able to share several studies being conducted at this location. A project involving weed control on bare ground, and an additional study working on integrated False-Green Kyllinga control was presented. Dr. Chou was available to include a study looking at Brown Patch management in Tall Fescue.

Each attendee saw the future of turfgrass research with the demonstration of the remote sensing technology by research teams lead by *Dr. Bingru Huang*. At the North Brunswick farm this team is using remote sensing and artificial intelligence to develop precision irrigation management systems. While at the Adelphia farm the researchers are utilizing remote sensing imagery to select elite turfgrass cultivars. GPS guided line painters were being operated as part of the embedded equipment demonstrations.

Each day was capped off with extra educational sessions. The fine turf day ended with training for the fertilizer applicators license (ProFACT) and the opportunity to complete the certification exam. The lawn, landscape and sports turf day ended with a hands-on spreader calibration class, for some additional core credits.

The Field Days Committee would like to extend our thanks and gratitude to all the sponsors, Rutgers staff and volunteers who helped make this event the great success that it was.

Mark your calendars! **Next year's Field Days will be July 30th and 31st, 2024.**

## PLATINUM SPONSORS

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## LAWN RENOVATION PROJECTS - COMMUNICATE WITH HOMEOWNERS

*Justin Shield  
Down to Earth Landscaping*

For professional lawn care operators, fall aeration and overseeding stand as strong testaments to your expertise, as they yield highly visible results. However, the success of a lawn renovation project is directly influenced by the homeowner, which is why effective communication with your client is key.

Here are THREE things to communicate to your clients before going out this fall.

- 1) Mark outs— sprinkler heads are a given, but what about invisible dog fences? Communicating to your client on schedule, and what to mark out will save you time, headaches and service calls.
- 2) After care - You came out, aerated properly and overseeded with a high-quality seed variety, but what now? Make sure you provide clear concise instructions on watering, mowing, and usage and how to adjust after germination and establishment.
- 3) Manage their expectations - Educate your clients on what to expect in the 4-6 week period after seeding. Communicate to them ahead of time on when to expect germination based off variety, climate, and site conditions (shade, non-irrigated).



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## FIELD DAYS SNAPSHOTS



*Pictures courtesy of Shaun Barry and Matt Sweatlock, NJTA Directors.*



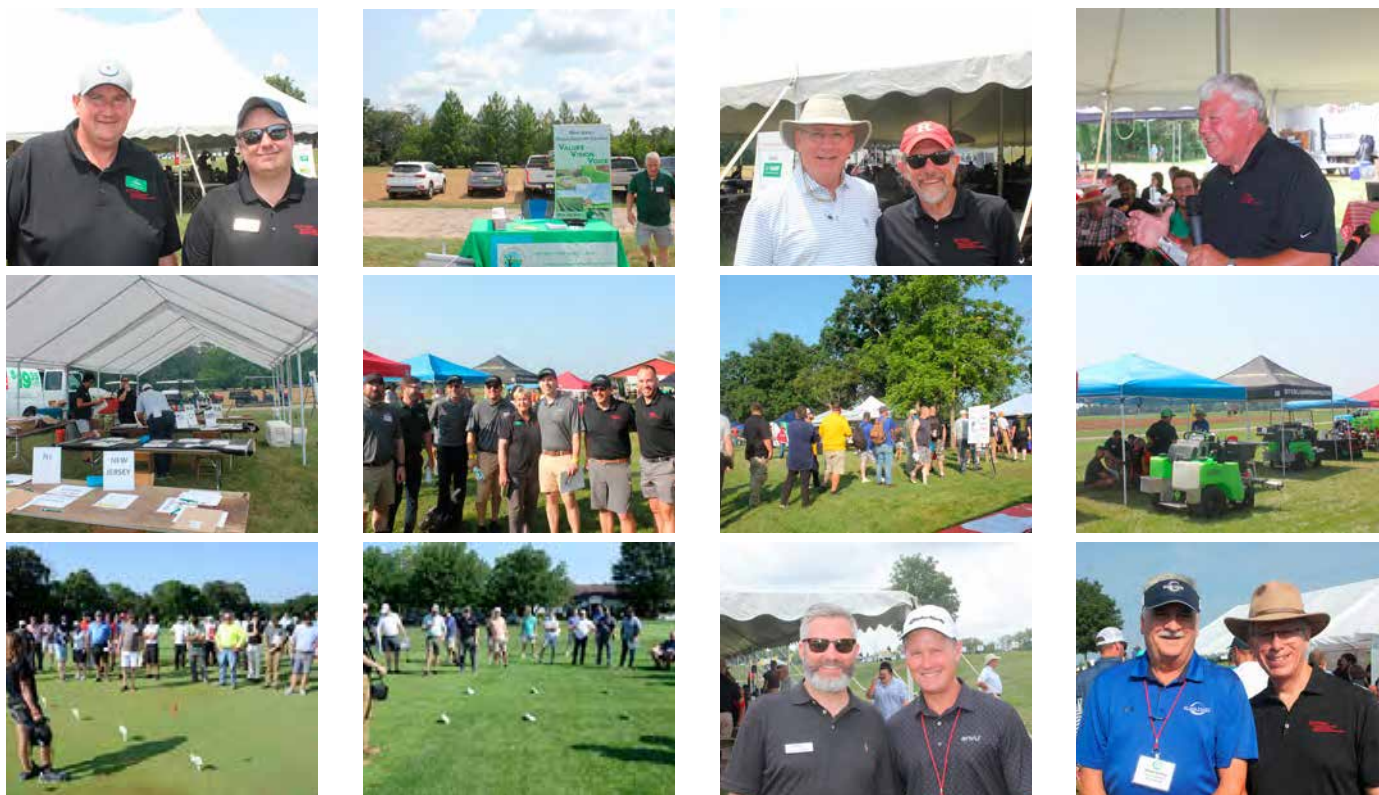
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# GOLF SESSIONS



Lisa Beirn



Mike Reed



Stephen Bross



Roch Gaussoin



Wendell Hutchins



Ming-Yi Chou



Brian Gietka



Steve McDonald



Dave Oatis

## TUESDAY, DECEMBER 5, 2023

### CORE SESSION 9:00 AM - 11:30 AM & LUNCH

Credits: 5 CORE

- 9:00 - 10:00 **Pesticides: Labels, Storage, and Safety**  
*Dr. Lisa Beirn, Syngenta*
- 10:00 - 10:30 **Are You Prepared to be Inspected?**  
*Michael Reed, Synatek*
- 10:30 - 11:30 AM **NJDEP Update: Why Inspection Matters**  
*Stephen Bross*

**11:30 AM - 1:00 PM ALL ATTENDEES LUNCH**

*Sponsored by STORR TRACTOR COMPANY*



## TUESDAY, DECEMBER 5, 2023

### GOLF SESSIONS 1:00 - 4:00 PM

Credits: 3 - 3B

- 1:00 - 1:45 **Recent Advances in Bentgrass Disease Resistance and Fungicide Programming Can Help Reduce Dollar Spot Severity and Fungicide Inputs?** *Pingyuan Zhang and Dr. James Murphy, Rutgers University*
- 1:45 - 2:15 **Dead Turf Review: The Diagnostician's View**  
*Sabrina Tirpak, Rutgers Diagnostic Lab*
- 2:15 - 2:20 **Announcing an important fundraising initiative to honor Dr. Bruce Clarke and help the Rutgers Turfgrass Program**  
*Keith Kubik, President, NJ Turfgrass Foundation*
- 2:20 - 2:50 **Understanding Turfgrass Diseases and Management from a Population Perspective - Knowing the Enemies and Friends**  
*Dr. Ming-Yi Chou, Rutgers University*
- 2:50 - 3:20 **GCSANJ Award & Annual Meeting**
- 3:20 - 4:00 **Oh the Mistakes I've seen: 35 years of Observations, Favorite Quotes, and Advice You Can Take to the Bank**  
*Dave Oatis, USGA Agronomist (retired)*

**4:00 - 7:30 PM**

**TRADE SHOW & SESSIONS (see page 3 for details)**

*1-3A Credit each session*

## WEDNESDAY, DECEMBER 6, 2023

### GOLF SESSIONS 8:30 - 11:30 AM

**7:00-8:30 - BY INVITE - Rutgers Turfgrass Advisory Board Breakfast**

*Credits: 2 - 3B • 2 - 3A*

- 8:30 - 9:00 **USGA Year in Review** *Brian Gietka, USGA Agronomist*
- 9:00 - 9:45 **Use of Emerging Technologies to Scout for and Manage Turfgrass Diseases** *Dr. Wendell Hutchins, U Arkansas*
- 9:45 - 10:30 **Understanding Snow Mold Diseases and Control Strategies** *Dr. Lisa Beirn, Syngenta*
- 10:30 - 11:30 **Coring, Topdressing, and Organic Management**  
*Dr. James Murphy, Rutgers University and Dr. Roch Gaussoin, University of Nebraska*

**TRADE SHOW & SESSIONS 11:30 PM - 2:30 PM**

**12:30 - 1:00 PM: Rust Never Sleeps: The Gymnosporangium Rusts**  
*Rich Buckley, Rutgers Diagnostic Lab 1-3A Credit*

**1:30 - 2:00 PM: Rust Never Sleeps: The Puccinia Rusts**  
*Rich Buckley, Rutgers Diagnostic Lab 1-3A Credit*

## WEDNESDAY, DECEMBER 6, 2023

### GOLF SESSIONS 2:30 - 5:00 PM

Credits: 4 - 3B

- 2:30 - 3:00 **Optimizing Fungicides for Root Diseases**  
*Dr. Wendell Hutchins, University of Arkansas*
- 3:00 - 3:30 **Attitudes and Opportunities: Where We Can Have the Biggest Impact with the Least Risk**  
*Dave Oatis, USGA Agronomist (retired)*
- 3:30 - 4:00 **Can We Use ABW to Get Rid of Poa annua, and What Happens to Bentgrass If We Do?**  
*Dr. Albrecht Koppenhöfer, Rutgers University*
- 4:00 - 5:00 **Top Agronomic and Pest Challenges in 2023**  
*Steve McDonald, Turfgrass Disease Solutions*

**5:00 - 7:00 PM MIX N MINGLE RECEPTION**

*Sponsored by GRASS ROOTS*



## THURSDAY, DECEMBER 7, 2023

### RUTGERS SESSIONS 8:30 AM - 12:30 PM

Credits: 7 - 3B

- 8:30 - 9:00 **Remote Sensing and Machine Learning-guided High Throughput Phenotyping and Precision Irrigation Programs for Turfgrasses** *Dr. Bingru Huang, Rutgers University*
- 9:00 - 9:30 **Keys to Successful Regrassing Renovation Project**  
*Steve McDonald, Turfgrass Disease Solutions*
- 9:30 - 10:15 **PoaCure Information You Can Use to Improve Your Turf**  
*Dr. Shawn Askew, Virginia Tech*
- 10:15 - 10:30 **BREAK**
- 10:30 - 11:00 **Dollar Spot Suppressive Soil in Turfgrass**  
*Dr. Ming-Yi Chou, Rutgers University*
- 11:00 - 11:30 **Warm-season Turfgrass Performance in New Jersey**  
*Dr. Stacy Bonos and Mark LaBarge, Rutgers University*
- 11:30 - 12:00 **Understanding Endophyte Mediated Disease Resistance** *Dr. Patrick Fardella, Rutgers University*
- 12:00 - 12:30 **What's New with False-Green Kyllinga and Goosegrass**  
*Dr. Matt Elmore, Rutgers University*

## THURSDAY, DECEMBER 7, 2023

### CORE SESSION 1:00-3:00 PM

Credits: 4 - CORE

- 1:00 - 3:00 **CORE Issues for Successful Weed Control**  
*Dr. Brian Aynardi, PBI Gordon*

### OPTIONAL SESSION: ProFACT 1:00 - 4:00 PM

- Professional Fertilizer Application Certification & Training**
- 1:00 - 2:30 **TRAINING** *Credits: 3 ProFACT*  
SPANISH or ENGLISH: (2 separate rooms)  
Prepare for the ProFACT Fertilizer applicator's exam or get credits - Spanish or English.  
Spanish: *Dr. Raul Cabrera, Rutgers University*  
English: *Dr. Jim Murphy, Rutgers University*
- 2:30 - 4:00 **CERTIFICATION EXAM (\$90 Exam Fee)**  
SPANISH or ENGLISH: (2 separate rooms)  
Spanish: *Dr. Raul Cabrera, Rutgers University*  
English: *Dr. Jim Murphy, Rutgers University*

# LAWN & LANDSCAPE SESSIONS



Bill Erickson



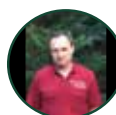
Matt Elmore



Stacy Bonos



Mark LaBarge



Albrecht Koppenhofer



Sabrina Tirpak



Rich Buckley



Brian Aynaardi

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*Stephen Bross*

**11:30 AM - 1:00 PM ALL ATTENDEES LUNCH**

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## TUESDAY, DECEMBER 5, 2023

### LAWN & LANDSCAPE 1:00 - 4:00 PM

*Credits: 5 - 3B and 1 CORE*

- 1:00 - 1:30 **The Latest Research on False-green Kyllinga: Dealing with a Difficult Weed** *Trevor Watson, Rutgers University*
- 1:30 - 2:00 **The Importance of Keeping Your Equipment Clean: There's More Than Meets the Eye!** *Tim Waller*
- 2:00 - 3:00 **Neonics are Gone: Life After Neonics on Turfgrass**  
*Dr. Albrecht Koppenhöfer, Rutgers University*
- 3:00 - 4:00 **Weed (not that kind!) Control in Landscape Turf**  
*Sabrina Tirpak, Rutgers Diagnostic Laboratory*

**TRADE SHOW & SESSIONS 4:00 PM - 7:30 PM**

5:30 - 6:00 PM: **Native Plants for Disease and Insect** *1-3A Credit*

**Resistance, Part 1** *Bill & Lauren Erickson, Rutgers*

6:30 - 7:00 PM: **Native Plants for Disease and Insect** *1-3A Credit*

**Resistance, Part 2** *Bill & Lauren Erickson, Rutgers*

## WEDNESDAY, DECEMBER 6, 2023

### LAWN & LANDSCAPE 8:30 - 11:30 AM

*Credits: 3 - 3B • 2 - 3A*

- 8:30 - 9:00 **Why You Should Care About These Common Diseases of Cool-Season Turfgrass** *Dr. Ming-Yi Chou, Rutgers University*
- 9:00 - 9:45 **How to Integrate Battery Powered Equipment into Your Company** *Alejandro Moncada, Milwaukee Tool Co.*
- 9:45 - 10:15 **Humic Acid Amendments for Stress Management in Turf**  
*Bill Erickson, Rutgers University*
- 10:15 - 10:30 **NJTA Award Presentation**
- 10:30 - 11:30 **Dead Landscape Plant Review: The Diagnostician's View**  
*Rich Buckley, Rutgers Diagnostic Lab*

**TRADE SHOW & SESSIONS 11:30 PM - 2:30 PM**

12:30 - 1:00 PM: **Rust Never Sleeps: The Gymnosporangium Rusts**

*Rich Buckley, Rutgers Diagnostic Lab 1-3A Credit*

1:30 - 2:00 PM: **Rust Never Sleeps: The Puccinia Rusts**

*Rich Buckley, Rutgers Diagnostic Lab 1-3A Credit*

## WEDNESDAY, DECEMBER 6, 2023

### LAWN & LANDSCAPE 2:30 - 5:00 PM

*Credits: 4 - 3B • 1 - 3A*

- 2:30 - 3:30 **Your Weed Questions Answered** *Dr. Shawn Askew, Virginia Tech and Dr. Matt Elmore, Rutgers*
- 3:30 - 4:00 **Bio-Stimulant Positive Results along with a Wealth of Conflicting Info and the Real and Not So Real Benefits** *Dr. Roch Gaussoin, U of Nebraska*
- 4:00 - 4:30 **Landscape Bed Weed Control** *Kyle Miller, BASF*
- 4:30 - 5:00 **Make the Right Turfgrass Choice to Minimize Disease on Home Lawns** *Dr. Stacy Bonos, Rutgers University*

**5:00 - 7:00 PM MIX N MINGLE RECEPTION**

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## THURSDAY, DECEMBER 7, 2023

### BUCKLEY'S BOOT CAMP 8:30 AM - NOON

Richard Buckley returns for this year's edition of his 'boot camp', where he will share important data in a lively and straight-shooting manner. Richard is consistently rated as one of our most popular speakers, and this session is sure to be both useful and entertaining.

*Credits: 3 - 3A & 4 - 3B*

**New and Emerging Diseases of Ornamental Plants**

- 8:30 - 9:00 **What We are Seeing in the Lab** *Rich Buckley*
- 9:00 - 10:00 **Beech Leaf Disease** *Jean Epiphan, Morris County Agricultural Agent*
- 10:00 - 11:00 **Leaf Spot Diseases in Turf: A Case for Proper Seed Selection** *Rich Buckley*
- 11:00 - 12:00 **Pythium Diseases in Landscape Turf** *Rich Buckley*
- 12:00 - 1:00 **LUNCH ON YOUR OWN**

## THURSDAY, DECEMBER 7, 2023

### CORE SESSION 1:00 - 3:00 PM

*Credits: 4 - CORE*

- 1:00 - 3:00 **CORE Issues for Successful Weed Control**  
*Dr. Brian Aynardi, PBI Gordon*

### OPTIONAL SESSION: ProFACT 1:00 - 4:00 PM

- Professional Fertilizer Application Certification & Training
- 1:00 - 2:30 TRAINING** *Credits: 3 ProFACT*
- SPANISH or ENGLISH: (2 separate rooms)
- Prepare for the ProFACT Fertilizer applicator's exam or get credits - Spanish or English.
- Spanish: *Dr. Raul Cabrera, Rutgers University*
- English: *Dr. Jim Murphy, Rutgers University*
- 2:30 - 4:00 CERTIFICATION EXAM** (\$90 Exam Fee)
- SPANISH or ENGLISH: (2 separate rooms)
- Spanish: *Dr. Raul Cabrera, Rutgers University*
- English: *Dr. Jim Murphy, Rutgers University*

# SPORTS FIELDS SESSIONS



Shawn Askew



Raul Cabrera



Brad Park



Bingru Huang



James Murphy

## TUESDAY, DECEMBER 5, 2023

### CORE SESSION 9:00 - 11:30 AM & LUNCH

*Credits: 5 CORE*

- 9:00 - 10:00 **Pesticides: Labels, Storage, and Safety**  
*Dr. Lisa Beirn, Syngenta*
- 10:00 - 10:30 **Are You Prepared to be Inspected?**  
*Michael Reed, Synatek*
- 10:30 - 11:30 AM **NJDEP Update: Why Inspection Matters**  
*Stephen Bross*

**11:30 AM - 1:00 PM ALL ATTENDEES LUNCH**

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## TUESDAY, DECEMBER 5, 2023

### SPORTS FIELD SESSIONS 1:00 - 4:00 PM

*Credits: 3 - 3B • 4 - 13*

- 1:00 - 1:30 **New Jersey School IPM Update**  
*Stephen Bross, NJDEP*
- 1:30 - 2:00 **Best Mowing Practices to Reduce Weed Competition**  
*Dr. Roch Gaussoin, University of Nebraska*
- 2:00 - 2:30 **Sports Field Managers Association (SFMA) HQ Update**  
*Laura Simmons, CEO, SFMA*
- 2:30 - 3:00 **SFMANJ Annual Business Meeting**
- 3:00 - 4:00 **Chemical and Cultural Strategies for Weed Management on School Grounds** *Dr. Matt Elmore, Rutgers University & Dr. Shawn Askew, Virginia Tech*

### TRADE SHOW & SESSIONS 4:00 PM - 7:30 PM

5:30 - 6:00 PM: **Native Plants for Disease and Insect** *1-3A Credit*

*Resistance, Part 1 Bill Erickson, Rutgers Univ*

6:30 - 7:00 PM: **Native Plants for Disease and Insect** *1-3A Credit*

*Resistance, Part 2 Lauren Erickson, Rutgers Univ*

## WEDNESDAY, DECEMBER 6, 2023

### SPORTS FIELDS SESSIONS 7:30 - 11:30 AM

*Credits: 3 - 3B • 3 - 13*

- 7:30 - 8:30 **'Early Bird' Sports Field Managers: Precision Pesticide Use and Operating in Compliance with NJ School IPM**  
*Zach Holm, Central Park Conservancy*
- 8:30 - 9:00 **Sports Fields and Grounds IPM: The Year in Review**  
*Brad Park, Rutgers University*
- 9:00 - 9:30 **Mowing: Getting Beyond the 1/3rd Rule**  
*Troy Von Holdt, The Toro Company*
- 9:30 - 10:30 **Major League Infield Management for High School Sports Fields** *Keith Fisher, Central Reg School District*
- 10:30 - 11:30 **The Rutgers Athletic Turf Management Program**  
*Chris Fox, Rutgers Athletics*

### TRADE SHOW & SESSIONS 11:30 PM - 2:30 PM

12:30 - 1:00 PM: **Rust Never Sleeps: The Gymnosporangium Rusts**  
*Rich Buckley, Rutgers Diagnostic Lab* *1-3A Credit*

1:30 - 2:00 PM: **Rust Never Sleeps: The Puccinia Rusts**  
*Rich Buckley, Rutgers Diagnostic Lab* *1-3A Credit*

## WEDNESDAY, DECEMBER 6, 2023

### SPORTS FIELDS SESSIONS 2:30 - 5:00 PM

*Credits: 2 - 3B • 2 - 13*

- 2:30 - 3:00 **Minimal-mow/Minimal pesticide Areas for Schools and Municipalities. What We've Learned from Golf**  
*Steve McDonald, Turfgrass Disease Solutions*
- 3:00 - 4:00 **Fertilization and Other Cultural Strategies to Manage Weeds in Central Park** *Zach Holm, Central Park Conservancy*
- 4:00 - 4:30 **Communication with End Users at Municipalities: Skin Surface Maintenance Strategies** *Tim Hamfeldt, Morris Township*
- 4:30 - 5:00 **Bermuda Grass: A Species Option to Reduce Inputs?**  
*Dr. Wendell Hutchins, University of Arkansas*

**5:00 - 7:00 PM MIX N MINGLE RECEPTION**

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## THURSDAY, DECEMBER 7, 2023

### CORE SESSION 1:00 - 3:00 PM

12:00 - 1:00 **LUNCH ON YOUR OWN**

*Credits: 4 - CORE*

1:00 - 3:00 **CORE Issues for Successful Weed Control**  
*Dr. Brian Aynardi, PBI Gordon*

## THURSDAY, DECEMBER 7, 2023

### OPTIONAL SESSION: ProFACT 1:00 - 4:00 PM

Professional Fertilizer Application Certification & Training

1:00 - 2:30 **TRAINING** *Credits: 3 ProFACT*  
SPANISH or ENGLISH: (2 separate rooms)  
Prepare for the ProFACT Fertilizer applicator's exam or get credits - Spanish or English.  
*Spanish: Dr. Raul Cabrera, Rutgers University*  
*English: Dr. Jim Murphy, Rutgers University*

2:30 - 4:00 **CERTIFICATION EXAM** (\$90 Exam Fee)  
SPANISH or ENGLISH: (2 separate rooms)  
*Spanish: Dr. Raul Cabrera, Rutgers University*  
*English: Dr. Jim Murphy, Rutgers University*

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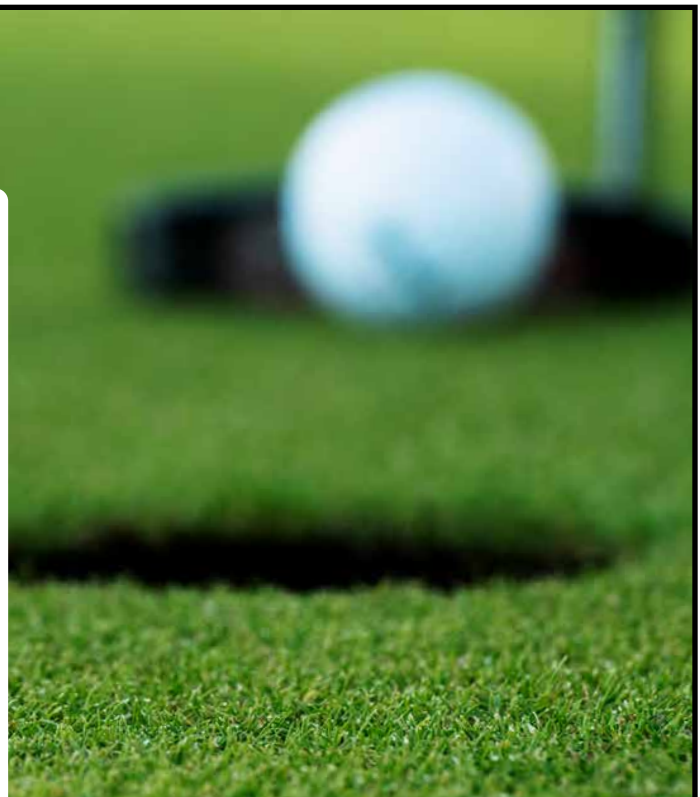


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<b>OPTIONAL: ProFACT FERTILIZATION CERTIFICATION: Thursday</b> Select 1 or Both: <input type="checkbox"/> Training (No Charge) • <input type="checkbox"/> Exam @ \$90 \$ _____ Which one? <input type="checkbox"/> SPANISH • <input type="checkbox"/> ENGLISH			

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**Join NJTA today and pay 'Member Fee' for Expo.**

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Cancellations must be in writing and received prior to November 1, 2023, and will be assessed a \$95 cancellation/processing fee. NO REFUNDS granted after November 1, 2023.

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# The End is Nigh - New Jersey's Neonic Ban

Donovan Maguigan  
Springdale Golf Club

With the days of summer slowly fading away, pumpkin spice lattes arriving in coffee shops, and the upcoming leaf seasons upon us, a critical date for turfgrass managers throughout New Jersey is also arriving, October 31st. On this date, a state law in New Jersey is going into effect that prohibits the use of neonicotinoid insecticides. Keith Bennett of the NJGIC summarized the bill in Turf Magazine;

“The NJ bill targeted the use of neonicotinoids (neonics) in the state, including acetamiprid, clothianidin, dinotefuran, flonicamid, imidacloprid, nitenpyram, nithiazine, thiacloprid, and thiamethoxam. The bill directs the class of neonics to be classified as restricted use in the state, requiring applicators to be certified and licensed by the NJ Department of Environmental Protection (NJDEP) in order to access and apply the products. The bill went one step further, however, in greatly restricting the areas in which neonics would be allowed. While agriculture uses were touted as a safe and responsible way to apply neonics, other outdoor applications were not and applications to turf and ornamental plants were prohibited.”

In short, starting after October 31st, turf managers will not be allowed to apply neonicotinoid products to turfgrass or ornamental plants despite being an important part of integrated pest management of white grubs, caterpillars, and lanternflies. The ban, which was driven by concerns over the impacts on pollinators, moved quickly through the New Jersey legislature, mirroring a similar law enacted in New York. According to Purdue University, “turf and ornamental systems comprise only about 4% of neonicotinoid usage in the U.S., but they are still the most widely used insecticides in turfgrass systems”.

In the table below from Purdue University, you can see specific active ingredients, commercial names, and target pests for several examples of neonicotinoids.

## Alternatives to Neonicotinoid Insecticides

Source: Douglas Richman, Purdue University - *Protecting Pollinators from Insecticide Applications in Turfgrass (2017)*

Active Ingredient	Trade Name / Company	Insecticide Class	Target Pests
Beta-cyfluthrin	Tempo / Envu	Pyrethroid	Billbugs / Caterpillars / Chinch Bugs / Crane Flies
Bifenthrin	Talstar / FMC	Pyrethroid	Billbugs / Caterpillars / Chinch Bugs
Carbaryl	Sevin / Envu	Carbamate	White Grubs / Billbugs / Caterpillars / Chinch Bugs / Crane Flies
Chlorpyrifos	Dursban / Corteva	Organophosphate	Billbugs / Caterpillars / Chinch Bugs / Crane Flies
Chlorantraniliprole	Acelpryn / Syngenta	Diamide	White Grubs / Billbugs / Chinch Bugs / Crane Flies
Cyantraniliprole	Ference / Syngenta	Diamide	White Grubs / Billbugs / Chinch Bugs / Crane Flies
Deltamethrin	Deltagard / Envu	Pyrethroid	Billbugs / Caterpillars / Chinch Bugs
Indoxacarb	Provaunt / Syngenta	Oxadiazine	Caterpillars / Crane Flies
Permethrin	Astro / FMC	Pyrethroid	Caterpillars / Crane Flies
Lambda-cyhalothrin	Scimitar / Syngenta	Pyrethroid	Billbugs / Caterpillars
Spinosad	Conserva / Corteva	Biorational	Caterpillars
Tetraniliprole	Tetrino / Envu	Anthranilic diamide	White Grubs / Billbugs / Caterpillars / Chinch Bugs
Trichlorfon	Dylox / Envu	Organophosphate	White Grubs / Billbugs / Caterpillars / Chinch Bugs / Crane Flies
Zeta-cypermethrin	Talstar Xtra / FMC	Pyrethroid	Billbugs / Caterpillars / Chinch Bugs / Crane Flies



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# The End is Nigh - New Jersey’s Neonic Ban

Continued from page 18

With the law moving into effect, turf managers and applicators will have to seek control options for insect pests from products in other insecticide families. For specific control of white grubs, active ingredients in other insecticide families include chlorantraniliprole, tetraniliprole, trichloron, and carbaryl are viable options. Before applying these products, verify the proper use rates and timing of applications as some products work best as preventive applications and others as curative applications. In the table below from Purdue University, alternatives to the neonicotinoids are listed with active ingredients, commercial names, and target pests.

Neonicotinoid Insecticides			
Source: Douglas Richman, Purdue University - <i>Protecting Pollinators from Insecticide Applications in Turfgrass (2017)</i>			
Active Ingredient	Trade Name / Company	Insecticide Class	Target Pests
Clothiandin	Arena / Nufarm	Neonicotinoid	White Grubs / Billbugs / Caterpillars / Chinch Bugs / Crane Flies
Dinotefuran	Zylam / PBI-Gordon	Neonicotinoid	Billbugs / Caterpillars / Chinch Bugs / Crane Flies
Imidacloprid	Merit / Envu	Neonicotinoid	White Grubs / Billbugs
Chlorpyrifos	Thaimethoxam	Neonicotinoid	White Grubs / Billbugs / Caterpillars / Chinch Bugs / Crane Flies

While the law is specific on the specific neonic family of pesticides, many of the rules that are required for the law are still in development including the fate of any existing neonic products that applicators may have in stock in their storage room. Marney Stauffer, of the New Jersey Green Industry Council stated that, “Understanding what can be done legally with the product still in possession in NJ after Oct. 31st is critical. Unfortunately, the tough thing is – there haven’t been any rules put in place for the bill. Product that applicators will have on their shelves as of November 1, 2023 may be banned or there may be an exemption passed that will allow continued use into the next year- the problem is—we don’t know and we don’t have any clear insights into what will be decided at this point in time.” The New Jersey Green Industry Council has proposed exemptions to allow applicators to apply these products after the ban date, however there is currently no provisions in the law to allow applications after October 31st. Guidelines on the disposal of leftover stock are also currently absent from the rules. Later in the month of September, the NJGIC will be meeting with the NJDEP to discuss the neonic bill.

If your company does happen to find that you have stock of these products and you wish to use them before the ban, *Dr. Albrecht Koppenhofer* from Rutgers University offered two potential applications, but stressed caution. For white grubs, clothianidin may be applied if done soon; however refrain from making a repeat application if you have done so already this season. If crane flies are a concern, which is limited in New Jersey, an application of a neonic may be warranted. For ornamental applications, imidacloprid could be applied, “understanding that fall applications can be beneficial to many trees and ornamental plants.”

Future updates on the rules of the upcoming ban as well as possible exemptions may be forthcoming after conversations between the NJGIC, allied associations, and NJDEP.



# EXPO SPONSORS



**TUESDAY**  
1:00 PM  
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**WEDNESDAY**  
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Lunch in  
Trade Show



**TUESDAY 4:00 PM**  
Grand Opening  
Trade Show



**WEDNESDAY**  
11:30 AM  
Beverages in  
Trade Show



**TUESDAY 4:00 PM**  
"Dine Around" the  
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**WEDNESDAY**  
5:00 PM  
Mix & Mingle  
Reception



**TUESDAY 4:00**  
Beverages in  
Trade Show



**SESSION**  
Coffee Break



Attendee Notepads

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ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Environmental Science U.S. LLC, 5000 CentreGreen Way, Suite 400, Cary, NC 27513. For additional product information, call toll-free 1-800-331-2867. www.envu.com. Not all products are registered in all states. Envu, the Envu logo and Tetrino are trademarks owned by Environmental Science U.S. LLC or one of its affiliates. ©2023 Environmental Science U.S. LLC.

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## 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) - Click "Become a Member"

### BENEFITS OF MEMBERSHIP •

- Savings on Green Expo & Field Days Registration fees
- Opportunities to earn Pesticide Applicator License Credits
- *Clippings* Magazine • Members Directory + Addendum
- 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)

WOULD YOU LIKE TO RECEIVE *CLIPPINGS* MAGAZINE BY: PRINT \_\_\_\_\_ EMAIL \_\_\_\_\_ BOTH \_\_\_\_\_

### 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>425.00</b>      |
| <i>Includes ONE TO FOUR individuals from same company.</i>  |    |                    |
| <input type="checkbox"/> <b>ADDITIONAL BUSINESS PARTNER (5 or more)</b>                               | \$ | <b>125.00 each</b> |
| <input type="checkbox"/> <b>TURFGRASS PARTNER (Golf Course, Lawn Care, Landscaper)</b>                | \$ | <b>300.00</b>      |
| <i>Includes ONE TO THREE individuals from same company.</i>   |    |                    |
| <input type="checkbox"/> <b>ADDITIONAL TURFGRASS PARTNER (4 or more)</b>                              | \$ | <b>125.00 each</b> |
| <input type="checkbox"/> <b>INDIVIDUAL MEMBER (Either ONE Business or ONE Turfgrass Partner)</b>      | \$ | <b>125.00</b>      |
| <input type="checkbox"/> <b>STUDENT MEMBER (Those enrolled in turf-related educational programs.)</b> | \$ | <b>25.00</b>       |

### Member Information

**Name # 1** \_\_\_\_\_ Title \_\_\_\_\_  
Company or Individual \_\_\_\_\_  
Address \_\_\_\_\_  
Is this Address? \_\_\_\_\_ Your Business \_\_\_\_\_ Your Home \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_  
Email \_\_\_\_\_ Cell \_\_\_\_\_  
*If Applicable:* NJ Pesticide License # \_\_\_\_\_ Date of Birth (DOB) \_\_\_\_\_

**Name # 2** \_\_\_\_\_ Title \_\_\_\_\_  
Company or Individual \_\_\_\_\_  
Address \_\_\_\_\_  
Is this Address? \_\_\_\_\_ Your Business \_\_\_\_\_ Your Home \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_  
Email \_\_\_\_\_ Cell \_\_\_\_\_  
*If Applicable:* NJ Pesticide License # \_\_\_\_\_ Date of Birth (DOB) \_\_\_\_\_



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**Name # 3** \_\_\_\_\_ Title \_\_\_\_\_

Company or Individual \_\_\_\_\_

Address \_\_\_\_\_

Is this Address? \_\_\_\_\_ Your Business \_\_\_\_\_ Your Home \_\_\_\_\_

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

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_ Cell \_\_\_\_\_

*If Applicable:* NJ Pesticide License # \_\_\_\_\_ Date of Birth (DOB) \_\_\_\_\_

**Name # 4** \_\_\_\_\_ Title \_\_\_\_\_

Company or Individual \_\_\_\_\_

Address \_\_\_\_\_

Is this Address? \_\_\_\_\_ Your Business \_\_\_\_\_ Your Home \_\_\_\_\_

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

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_ Cell \_\_\_\_\_

*If Applicable:* NJ Pesticide License # \_\_\_\_\_ Date of Birth (DOB) \_\_\_\_\_

### Select PARTNER Category that Best Describes Your Business or Profession

<input type="checkbox"/> BUSINESS: <b>Manufacturer/Supplier</b>	<input type="checkbox"/> TURFGRASS: <b>Cemetery</b>
<input type="checkbox"/> BUSINESS: <b>Sod Producer</b>	<input type="checkbox"/> TURFGRASS: <b>Parks and Recreation</b>
<input type="checkbox"/> TURFGRASS: <b>Golf Course</b>	<input type="checkbox"/> TURFGRASS: <b>Lawn Care Applicator</b>
<input type="checkbox"/> TURFGRASS: <b>Landscape/Lawn Maintenance</b>	<input type="checkbox"/> TURFGRASS: <b>Architect</b>
<input type="checkbox"/> TURFGRASS: <b>Irrigation Installation</b>	<input type="checkbox"/> STUDENT: <b>Enrolled in Turf Related Program</b>
<input type="checkbox"/> TURFGRASS: <b>Schools &amp; Athletic Fields</b>	<input type="checkbox"/> HONORARY: <b>Rutgers Professionals, Award Wnr</b>

### 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 (Optional):</b> This portion is tax-deductible. Supports Turfgrass Research & Scholarships	\$ 25.00
<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.*



# Meet the 2023 NJTA Board of Directors



**Matt Lindner**  
*President*  
SavATree (Retired)



**John Osterhoudt**  
*Vice President*  
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**Michael Reed**  
*Secretary*  
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**Matt Sweatlock**  
*Treasurer*  
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**Rob Johnson**  
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**Ryan Petitti**  
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Fertilizing

Serving on the  
Board of Directors  
of the  
New Jersey  
Turfgrass Association  
is very rewarding.

We welcome you  
to become more  
involved by  
joining a committee  
for one of our events -  
Golf Classic, Field Days,  
or Green Expo.

If you have interest  
or questions, reach out to  
any of our board members  
or our Executive Director.  
[execdirector@njturfgrass.org](mailto:execdirector@njturfgrass.org)

Thanks!



**Tracy Wadhams**  
*Field Days Chair*  
Traywood LLC



**Justin Shield**  
*Director*  
Down to Earth  
Landscaping



**Craig Tolley**  
*Director*  
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of Morris



**Chris Carson**  
*Expo Chair*



**Donovan Maguigan**  
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**Josh Kopera**  
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**Aaron Kurdyla**  
*Director*  
Garden State  
Landscapes



**Cece Peabody, MAT, CMP**  
*Executive Director*  
NJTA / NJTF



**Dr. James Murphy**  
*Advisor*  
Rutgers University



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## 2024 EVENTS

**Monday, May 6, 2024**

### **Rutgers Turfgrass Research GOLF CLASSIC**

*Fiddler's Elbow Country Club  
Bedminster, NJ*

**Tuesday & Wednesday  
July 30 & 31, 2024**

### **Rutgers Turfgrass Research Field Days**

Tues: Hort Farm II, N. Brunswick, NJ

Weds: Adelphia Farm, Freehold, NJ

**Tuesday - Thursday**

**December 10-12, 2024**

### **Green Expo Turf & Landscape Conference**

Borgata Hotel & 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
RCE of Essex County	(973) 228-2210
RCE of Gloucester County	(856) 307-6450
RCE of Hudson County	(201) 915-1399
RCE of Hunterdon County	(908) 788-1339
RCE of Mercer County	(609) 989-6830
RCE of Middlesex County	(732) 398-5260
RCE of Monmouth County	(732) 431-7260
RCE of Morris County	(973) 285-8300
RCE of Ocean County	(732) 349-1246
RCE of Passaic County	(973) 305-5740
RCE of Salem County	(848) 932-3604
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)*



# clippings

## **N T A Board of Directors**

- Matt Lindner, President
- Jason Osterhoudt, Vice President
- Michael Reed, Secretary
- Matt Sweatlock, Treasurer
- Cece Peabody, MAT, CMP, Executive Director
- Shaun Barry, Golf Classic Chairman
- Chris Carson, Green Expo Chairman
- Josh Kopera, Director
- Aaron Kurdyla, Director
- Donovan Maguigan, Director
- Ryan Petitti, Director
- Justin Shield, Director
- Marney Stauffer, Director
- Craig Tolley, Director
- Tracy Wadhams, Director
- Dr. Jim Murphy, Rutgers Advisor

### **New Jersey Turfgrass Association**

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