

# Cultivating Cumberland

December - 2024

Vol. 29, Issue 12

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## Ag Irrigation Water Log Template Simplifies Annual Water Use Reporting To NJ DEP

Rick VanVranken – Plant and Pest Advisory November 25, 2024

As 2024 winds down and irrigation pumps are finally being shut off after a very long, dry season, thinking about calculating how much water was used to be able to fill out that NJ DEP report form in a couple of months is likely the furthest thing on your mind. However, the RCE Ag Water Use Log Excel Template <<https://go.rutgers.edu/IrrigationLog>> can make that process much easier, whether you have used it all season, or just need an easier way rather than tabulating all those hours of pumping by hand.

The NJ Department of Environmental Protection rules for Agricultural Water Usage Certification requires that irrigation users keep monthly logs of water use by recording the number of hours each pump runs each day. Logs can be as simple as recording hours pumped in a notebook or on a calendar, from which monthly water usage can be calculated for mandatory annual reporting.

An Irrigation Pump Log is available on the NJ Vegetable Crops Online Resources site. (<https://nj-vegetable-crops-online-resources.rutgers.edu/soils-irrigation/irrigation-pump-log-2/>) It is a spreadsheet template that provides both a simplified recording form (that can be printed for each pump and placed at the pump or in the vehicle used by your irrigation manager), and a calculating form that allows data from the field log to be transferred into the computer file which automatically calculates annual reporting figures.

The file, which requires Microsoft Excel to run (enable editing), can be downloaded and opened. Selecting the print function will print only the required page to use for each well. Print multiple copies if you have more than one well to monitor. When transferring field data into the spreadsheet, start by selecting a new tab at the bottom of the screen for each well (already set up for Well #1, but needs to be copied for additional wells). Then transfer the data from the field sheets, including the information about each well at the top of the page. It is critical to put in the pump capacity as that is needed for calculating the monthly water use (if you put in all the hours and the monthly use reads '0', check that the pump capacity cell is filled correctly).

Questions or suggestions for improving this log can be directed to Atlantic County Agent Rick VanVranken ([vanvranken@njaes.rutgers.edu](mailto:vanvranken@njaes.rutgers.edu)).

### Attachments

- Next Generation Farmer Program
- New Jersey's "Next Gen" Farmer Program Seeks Input from the Agricultural Community
- Unpeeling the Science Onions
- North Jersey Ornamental Horticulture Symposium 2025
- 2025 NJ Agricultural Convention and Trade Show

# **A New Requirement for Small Businesses (Including Most Farms): Filing a Beneficial Ownership Report with the Department of the Treasury. Deadline is January 1, 2025**

Plant and Pest Advisory - Rick VanVranken - November 7, 2024

There has been a lot of press, and more than a little confusion, regarding a new filing requirement by the US Department of Treasury for any business organized as a corporation, including Limited Liability Corporations (LLC). All corporate businesses are required to file, so don't throw away that reminder/application that arrived in the mail recently! There are penalties for not filing by the deadline.

**The following article is reprinted with permission from Cornell Cooperative Extension as it appeared in the 11/6/2024 CCE VegEdge e-newsletter.**

**Written by Elizabeth Higgins, Cornell Cooperative Extension Associate in Ag Business Management/Production Economics, Eastern NY Commercial Hort Program, Hudson Valley Research Lab, Highland, NY.**

Beginning January 1, 2024, most small entities—including single member LLCs—must file online reports with the Financial Crimes Enforcement Network (FinCEN), a bureau of the U.S. Department of the Treasury, disclosing information about the beneficial owners of the entities. This new reporting requirement—estimated to impact at least 32.6 million entities in 2024—was created by the Corporate Transparency Act (CTA). Existing entities have until **January 1, 2025**, to make their first beneficial ownership information (BOI) report.

## **Do I have to File?**

**If you are an LLC, Corporation, LLP or Limited Partnership in New York[NJ], yes you do.**

Any entity created by the filing of a document with a secretary of state or any similar office under the law of a state or Indian tribe, unless excepted from the reporting requirement, must file. Examples of exempt entities include tax-exempt and government. (The list of exempt entities is in this FAQ.)

For-profit farms are not on the exempt list. Single-member LLCs are subject to BOI reporting requirements. Sole proprietorship farms are exempt since they do not file with the secretary of state in New York.

## **Why on Earth do I have to do this?**

In 2021, Congress passed the Corporate Transparency Act on a bipartisan basis. This law creates a new reporting requirement as part of U.S. government efforts to make it harder for bad actors to use shell companies or opaque ownership structures to hide or benefit from ill-gotten gains.

## **What Happens if I Don't File?**

**You should file because the penalties are large, and it is straightforward to file.**

Failure to file a BOI report can result in severe civil and criminal penalties! If you don't file a BOI report, you could face a \$500-per-day fine, up to \$10,000, and up to two years in prison.

**==> Where to File: <https://boiefiling.fincen.gov/fileboir>.**

## **How will this information be used and who can see it?**

Beneficial ownership information reported to FinCEN is exempt from disclosure under the Freedom of Information Act (FOIA). FinCEN published the rule that will govern access to and protection of beneficial ownership information on December 22, 2023. According to the website, beneficial ownership information reported to FinCEN is stored in a secure, non-public database using rigorous information security methods and controls typically used in the Federal government to protect non-classified yet sensitive information systems at the highest security level.

## ***A New Requirement..Continued from page 2***

In accordance with the Corporate Transparency Act, FinCEN may permit access of beneficial ownership information to:

- Federal agencies engaged in national security, intelligence, or law enforcement activity.
- State, local, and Tribal law enforcement agencies with court authorization.
- Officials at the Department of the Treasury.
- Foreign law enforcement agencies, judges, prosecutors, and other authorities that submit a request through a U.S. Federal agency to obtain beneficial ownership information for authorized activities related to national security, intelligence, and law enforcement.
- Financial institutions with customer due diligence requirements under applicable law (to facilitate compliance with those requirements).
- Federal functional regulators or other appropriate regulatory agencies that supervise or assess financial institutions with access to beneficial ownership information (to supervise such financial institutions' compliance with customer due diligence requirements).
- **What Information Will I have to Provide?**
- For the company:
- Full legal name
- Any trade name or "doing business as" name
- Complete current U.S. address
- Jurisdiction of formation (including State or Tribal jurisdiction for a domestic reporting company)

### **For each beneficial owner and each company applicant required to be reported:**

- Full legal name
- Date of birth
- Complete current address
- Unique identifying number and issuing jurisdiction from one of the following non expired documents:
  - U.S. passport
  - Identification document issued by a State, local government, or Indian Tribe
  - State-issued driver's license
  - If none of the above are available, a foreign passport, and an image of the document from which the unique identifying number was obtained. U.S. passport

### **What is a "Beneficial Owner"?**

In general, beneficial owners are individuals who:

1. Directly or indirectly exercise "substantial control" over the reporting company, or
2. Directly or indirectly own or control 25% or more of the "ownership interests" of the reporting company.

The rules for the program provide that beneficial owners **do not include:**

- A minor child, provided the reporting company reports the required information of a parent or legal guardian of the minor child and states that the individual is the parent or legal guardian of a minor (once the minor child reaches the age of majority, the report must be updated).
- An individual acting as a nominee, intermediary, custodian, or agent on behalf of another individual.
- An employee of a reporting company, acting solely as an employee, provided that such person is not a senior officer.
- An individual whose only interest in a reporting company is a future interest through a right of inheritance.
- A creditor of a reporting company.

### ***A New Requirement..Continued from page 3***

#### **What are “Company Applicants”?**

Companies created or registered before January 1, 2024, are required to report only beneficial owners. Companies created or registered on or after January 1, 2024, must report the company applicants, in addition to beneficial owners. Company applicants include:

- The individual who directly files the document that creates, or first registers, the reporting company; and
- The individual that is primarily responsible for directing or controlling the filing of the relevant document.

#### **What is the “FinCen Identifier”?**

An individual or reporting company may obtain a FinCEN identifier by submitting an application at or after the time that the reporting company submits its initial report. Each identifier is specific to the individual or reporting company. If an individual has obtained a FinCEN identifier, the reporting company may use that identifier in its report instead of reporting all of the required information for the individual.

#### **Where Can I get More Information?**

Department of the Treasury, Financial Crimes Enforcement Network (FinCen)

Beneficial Ownership website: <https://www.fincen.gov/boi>

Department of the Treasury, Financial Crimes Enforcement Network (FinCEN)

BOiefiling website: <https://boiefiling.fincen.gov>

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### **Webinar: FSMA PSR, Pre-Harvest Agricultural Water**

Wednesday, January 8, 2025, 12 pm – 1 pm EST

During this one-hour lunchtime webinar, learn the ins and outs of the Food Safety Modernization Act: Produce Safety Rule (FSMA: PSR), Pre-Harvest Water changes. The final rule establishes requirements for systems-based pre-harvest agricultural water assessments for hazard identification and risk management decision-making.

Covered farms – those that are subject to the requirements in the FSMA: PSR – that use pre-harvest agricultural water for covered produce are required to conduct agricultural water inspections and assessments at least once annually, and whenever a significant change occurs that increases the likelihood that a known or reasonably foreseeable hazard will be introduced into or onto produce or food contact surfaces. As part of their pre-harvest agricultural water assessments, farms must evaluate certain factors that could impact produce safety as a result of pre-harvest agricultural water use. The deadline to register is Monday, January 6, 2025. To sign up or for more information go to <https://onfarmfoodsafety.rutgers.edu/trainings/>.

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### **Look to the Future**

Wes Kline

The new year is upon us and what does this mean for agriculture in our region? Now is the time to think about what changes you should make in your operation for the coming year. This may mean changing crops, getting new equipment, planting more or cutting back. Whatever do not wait to the last minute. Take the time as the year comes to an end to make those plans and evaluate them to see how they fit into the short, medium and long range. Consolidation is continuing in the region and will continue as more growers decide to get out of the business. Is this good for the industry? Nursery production is the strong element in the area, and this continues to expand. However, the number of wholesale produce operations continue to decrease. This does not necessarily mean there are less vegetables grown, but the operations that are left get larger. This is the same trend as the supermarket consolidation. Both trends may have a negative impact on small to medium size growers with less competition as large retailers and growers become price setters which may be a deterrent to small and medium size growers. New Jersey has not been a price setter, but price taker for several years. This is not going to change. As you make plans be sure to take the marketplace as the first consideration as to the future.

**Fact Sheets:**

FS512: Botrytis Blossom Blight in High bush Blueberry- Sousa, R. and Oudemans, P.  
<https://njaes.rutgers.edu/fs512/>

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### **Cultivating Cumberland Subscription Renewal**

Renew your subscription to continue receiving “Cultivating Cumberland” and other educational mailings from our office.

Due February 16 2024. Effective for the March issue.

Ways to Renew:

- Call 856-451-2800 x1
- Email: HeatherCo@cumberlandcountynj.gov
- Fax to 856-451-4206

Mail: Ag Dept., 291 Morton Ave, Millville, NJ 08332

Cultivating Cumberland Mailed Subscription Renewal

Name: \_\_\_\_\_ Farm Name: \_\_\_\_\_

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

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

Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Fax: \_\_\_\_\_

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

**Check all options that apply below:**

**My Business Affiliation**

- Commercial Farmer
- Ag-Related Business
- Private Consultant
- Agricultural Agent
- Rutgers
- Other University/ College
- Government Agency

**Ornamentals**

- Nursery
- Turf
- Landscape
- Greenhouse
- Christmas Tree
- Golf Course

**Vegetables**

- Fresh Vegetables
- Processing Vegetables
- Herbs
- Specialty Crops
- Farm Market
- Pick Your Own

**Other**

- Small Fruit
- Tree Fruit
- Hay Production
- Other Field Crops
- Livestock

## Calendar of Events

- Indicates a newly added event
- \* Indicates Pesticide Credits Offered

- **December 10, 2024**

Rutgers: Best Management Practices for Tree Care. 9am-3:30pm. [tinyurl.com/yc3w8b93](https://tinyurl.com/yc3w8b93) or call 848-932-7317

- **December 12, 2024**

Bobwhite in Pasture Systems - Tanner Patton, Quail Forever- WLFW East Region Webinar Series  
[https://us06web.zoom.us/webinar/register/WN\\_8WSQ22-oQQSeo8AUQskhVA?utm\\_medium=email&utm\\_source=govdelivery#/](https://us06web.zoom.us/webinar/register/WN_8WSQ22-oQQSeo8AUQskhVA?utm_medium=email&utm_source=govdelivery#/)

- **January 8–10, 2025**

Mants Means Business - Baltimore Convention Center  
<https://xpressreg.net/register/mant0125/landing.asp?sc=&aban=&hkey=&iq=&vip=&tm=>

- **January 9, 2025**

Bobwhite in Pine Forested Systems - Brad Kubecka, Tall Timbers- WLFW East Region Webinar Series  
[https://us06web.zoom.us/webinar/register/WN\\_8WSQ22-oQQSeo8AUQskhVA?utm\\_medium=email&utm\\_source=govdelivery#/](https://us06web.zoom.us/webinar/register/WN_8WSQ22-oQQSeo8AUQskhVA?utm_medium=email&utm_source=govdelivery#/)

- **January 9–11, 2025**

Southeast Regional Fruit & Vegetable Conference! - Savannah, Georgia, at the Savannah Convention Center- <https://seregionalconference.org/>

- **January 13, 2025**

Bee-ginner's Beekeeping: The Basics of Apiculture- [pspring@rutgers.edu](mailto:pspring@rutgers.edu)  
Online Class - Opens January 13th & Closes February 9th, 2025  
<https://cpe.rutgers.edu/beekeeping/beginners-beekeeping>

- **January 28–29, 2025**

Total Pro Expo, the NJ Nursery & Landscape Assoc. and the NJ Land Improvement Contractors of America- 8:30am to 4:00pm- New Jersey Convention Center, Edison NJ  
<https://www.totalproexpo.com/>

- **January 29–31, 2025**

2025 Everything Local Conference- Bank of Springfield Center, Springfield, IL 62701  
<https://web.specialtygrowers.org/events/2025-Everything-Local-Attendee-Registration-202211/details>

- **February 4–7, 2025**

The American Cider Association (ACA) has announced that the 15th annual CiderCon conference and trade show Early registration until Dec. 13, with prices increasing afterward. Public tickets are also available Visit the CiderCon (<https://ciderassociation.org/cidercon2025/>) website for more details.

- **February 3, 2025\***

2025 NJ Agricultural Convention and Trade Show Strategies for Success - Harrah's Resort Atlantic City 777 Harrah's Blvd. - Hosted by: The Vegetable Growers Association of New Jersey  
In cooperation with Rutgers Cooperative Extension - 6 core credits  
<https://vganj.com/convention-tickets/pre-convention-tickets>

- **February 5–7, 2025**

2025 Pasa Sustainable Agriculture Conference - Lancaster, PA - [events@pasafarming.org](mailto:events@pasafarming.org)  
<https://web.cvent.com/event/70aec1ac-090d-413e-9b6c-ba671c3a4b35/regProcessStep1:6c3cb65d-bb91-4a87-b235-0f50a2cab401>

- **February 6–7, 2025**

The 76th Annual Corn Improvement Conference- Penn State Technology Support Building 300 Science Park Rd, Room 22C, State College, Pennsylvania 16801  
<https://extension.psu.edu/annual-corn-improvement-conference>

# Next Generation Farmer Program

The Next Generation Farmer Program was established in May 2024 as an initiative of the State Agriculture Development Committee (SADC) to provide support and guidance to new and beginning farmers from all backgrounds and support the overall viability of the agricultural industry in New Jersey. The program is currently providing direct assistance to next generation farmers, working to develop a network of partners, and seeking input from the agricultural community to help guide the development of the program.



## Current Program Services

- Helping new and beginning farmers as they navigate the NJ agricultural industry through resource referral, technical assistance, network connections, and farm visits.
- Supporting NJ Land Link, [www.njlandlink.org](http://www.njlandlink.org), the interactive website where farmers and landowners can connect regarding farmland and farming opportunities available/sought. *Note: All NJ Land Link listings have been updated/verified as of October 1, 2024!*
- Collaborating with partners to support existing beginning farmer programs and services.

## Developing the Program

The program is not intended to duplicate existing programs but to help coordinate efforts, leverage partnerships, and fill in the gaps to create a more robust and supportive system for new and beginning farmers. To help shape the program, the “Next Gen” team is:

- Seeking input from farmers, agricultural service providers, and other stakeholders through surveys, one-on-one meetings, and focus groups.
- Researching programs from around the country for promising ideas that could be adapted to NJ.
- Developing a detailed report by Spring 2025 on the challenges faced by next generation farmers, the current system of support, and recommendations for addressing the challenges and enhancing support.
  - Recommendations could include the development of new programs, resources, and partnerships, as well as changes to programs, policies, regulations, and statutes.



**NEW JERSEY**  
**State Agriculture Development Committee**  
P.O. Box 330  
Trenton, NJ 08625-0330

**phone:** 609-984-2504  
**email:** [sadc@ag.nj.gov](mailto:sadc@ag.nj.gov)  
**web:** [www.nj.gov/agriculture/sadc](http://www.nj.gov/agriculture/sadc)

# Next Generation Farmer Program

## We Value Your Input!

The program is interested in gathering input from the New Jersey agricultural community on questions such as:

- What do you see as the greatest challenges and barriers faced by next generation farmers in NJ?
- Do you have any ideas for additional resources, support, policies, or programs that could help address these challenges and barriers?
- What advice would you give to next generation farmers?
- If you are a farmer, what have been the keys to your success?
- What programs, policies, laws, or initiatives (in NJ or elsewhere) do you think are doing a good job supporting next generation farmers?

Please reach out and share your thoughts.

## How to Contribute

- Take a survey by scanning the QR code to the right, or visit: [www.nj.gov/agriculture/sadc/nextgen/surveys/](http://www.nj.gov/agriculture/sadc/nextgen/surveys/)
- Join a focus group. Let us know you would like to be included by signing up here: [www.nj.gov/agriculture/sadc/nextgen/focusgroups/](http://www.nj.gov/agriculture/sadc/nextgen/focusgroups/)
- Reach out to us directly by contacting:



**Brendon Pearsall, Senior Coordinator**

Brendon.Pearsall@ag.nj.gov  
609-913-6610

**Jessica Brandeisky, Assistant Coordinator**

Jessica.Brandeisky@ag.nj.gov  
609-913-6611

## We Want to Hear From:

- Next generation farmers
- Established farmers
- Urban farmers
- Farmer veterans
- Agricultural service providers
- Farm support organizations
- Other individuals or organizations with an interest in supporting NJ agriculture

## For More Information

Visit [www.nj.gov/agriculture/sadc/nextgen/](http://www.nj.gov/agriculture/sadc/nextgen/), or contact Brendon Pearsall and Jessica Brandeisky.



**NEW JERSEY**  
**State Agriculture Development Committee**  
P.O. Box 330  
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**phone:** 609-984-2504  
**email:** [sadc@ag.nj.gov](mailto:sadc@ag.nj.gov)  
**web:** [www.nj.gov/agriculture/sadc](http://www.nj.gov/agriculture/sadc)





# NEWS

## New Jersey State Agriculture Development Committee

FOR IMMEDIATE RELEASE: Tuesday, October 15, 2024

Contact: Heidi Winzinger

[Heidi.Winzinger@ag.nj.gov](mailto:Heidi.Winzinger@ag.nj.gov)

(609) 913-6576

### New Jersey's "Next Gen" Farmer Program Seeks Input from the Agricultural Community

The New Jersey Farmland Preservation Program, administered by the State Agriculture Development Committee (SADC), is developing its new "Next Generation Farmer Program," intended to support new and beginning farmers in addressing the barriers they face starting and establishing new, viable farming enterprises in New Jersey.

"Developing next-generation farmers is critical to the long-term viability of the agricultural industry in New Jersey," said Ed Wengryn, New Jersey Secretary of Agriculture. "We want input from the agricultural community to guide our focus as we identify how the SADC can help new farmers overcome obstacles, including access to land, equipment, gaining hands-on experience, and learning how to run a successful farm business."

The SADC's Next Generation Farmer Program is not intended to duplicate existing programs but to coordinate, leverage partnerships, and fill in the gaps to create a more robust and supportive system for new and beginning farmers. The SADC is seeking input from anyone who thinks they have great ideas for how the SADC can support existing efforts and implement a collaborative, comprehensive system to identify, train, equip, and support the next generation of farmers in New Jersey. Your input is crucial in this collective effort.

"The traditional pathways of entering farming and accessing family-held land are no longer as common or viable in many cases," said Charles Roohr, SADC Deputy Executive Director. "Investing in new ways to develop the next generation of farmers and farm viability will immensely benefit New Jersey's agricultural industry for generations to come."

The program's "Next Gen" Senior Coordinator, Brendon Pearsall, and Assistant Coordinator, Jessica Brandeisky, are currently conducting outreach through surveys, one-on-one meetings, and focus groups with a wide range of stakeholders, including next-generation farmers, established farmers, agricultural service providers, and other interested parties to help guide the direction of the program. Interested individuals and organizations are encouraged to provide input and share their experiences with the Next Gen staff through online surveys at [www.nj.gov/agriculture/sadc/nextgen/surveys/](http://www.nj.gov/agriculture/sadc/nextgen/surveys/). Brendon and Jessica can speak with you or your group directly and collect your ideas as an alternative to the online surveys.

Future efforts regarding land access, mentorship, training, resources, collaborations, or other topics will stem from the program's research and outreach findings. The program goal is to reach a diverse range of potential participants, including those from farm families, newcomers from non-farming backgrounds, veterans, women, urban growers, and others in historically underserved communities.

"All members of the agricultural community are invited to provide their input and ideas, to help us create a strong foundation for the program," said Roohr.

By Spring 2025, the SADC will develop a detailed report utilizing information gathered from outreach and research with recommendations for addressing the challenges and enhancing support.

For more information on the Next Generation Farmer Program, to share comments, or to learn about outreach events, visit [www.nj.gov/agriculture/sadc/nextgen/](http://www.nj.gov/agriculture/sadc/nextgen/) or contact [Brendon.pearsall@ag.nj.gov](mailto:Brendon.pearsall@ag.nj.gov) or [Jessica.brandeisky@ag.nj.gov](mailto:Jessica.brandeisky@ag.nj.gov).

For more information about the Farmland Preservation Program and the SADC, please visit <https://www.nj.gov/agriculture/sadc/>.



**TUESDAY**

DECEMBER 10TH

**WEBINAR + Q&A**

3:30 - 5:00 PM ET/  
12:30 - 2:00 PM PT

# UNPEELING THE SCIENCE:



## FOOD SAFETY AND THE FIGHT AGAINST FOODBORNE PATHOGENS



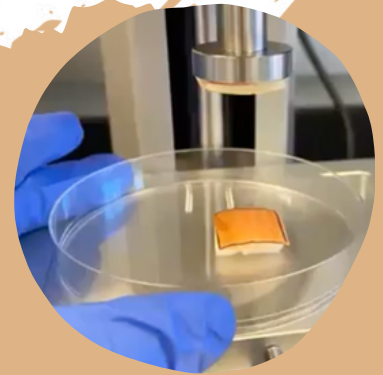
**DR. JOY WAITE-CUSIC**

ASSOCIATE PROFESSOR &  
EXTENSION SPECIALIST  
OREGON STATE UNIVERSITY



**DR. LINDA HARRIS**

PROFESSOR &  
EXTENSION SPECIALIST  
UC DAVIS



**REGISTER IN ADVANCE**  
**TO ATTEND**

[contactproducesafety.ifas.ufl.edu](http://contactproducesafety.ifas.ufl.edu)

Let's #MakeCONTACT | @ps\_sci



This work is supported by the Specialty Crops Research Initiative 2020-51181-32157 from the USDA National Institute of Food and Agriculture. Any opinions, findings, conclusions, or recommendations expressed in this presentation are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.

For the 64th year, a team of Rutgers Cooperative Extension (RCE) Agricultural and Natural Resources faculty and staff will be sponsoring the North Jersey Ornamental Horticulture Symposium.

These educational programs are aimed at professionals in the green industry and feature speakers who are leading experts from Cooperative Extension, state government, and private industry.

The Symposium has three sessions: Turf Day, Tree Day, and Landscape Day. Please register for each session you would like to attend. NJ Pesticide Applicator recertification credits are offered for each session of the program.

#### **CONTINUING EDUCATION CREDITS**

**You must be present for the entire program to be eligible for credits.**

##### **Turf Day**

- ProFACT: 2 credits
- NJDEP Pesticide credits: CORE-1 unit, Cat 1A-8 units, Cat 3B-8 units, Cat 6B-6 units, Cat 8C-8 units, Cat 10-8 units, Cat 13-2 units, Cat PP2-8 units

##### **Tree Day**

- NJDEP Pesticide credits: CORE-2 units, Cat 2-8 units, Cat 3A-8 units, Cat 9-2 units, Cat PP2-8 units
- NJLTE/LTCO-5 units
- NJUCF-5 units,
- ISA Certified Arborist-5 units,
- BCMA Science-2 units, BCMA Practice-2 units

##### **Landscape Day**

- NJDEP Pesticide credits: CORE-2 units, Cat 3A-10 units, Cat 6B-2 units, Cat 8C-10 units, Cat 10-4 units, Cat 13-4 units, Cat PP2-8 units

Scan here to be taken to the NJOHS website for more details and registration information!



The North Jersey Ornamental Horticulture Symposium is brought to you by a team of Rutgers Cooperative Extension faculty and staff.

Joel Flagler—Bergen County  
Amy Rowe—Essex/Passaic Counties  
Claudia Urdanivia—Essex/Hudson Counties  
Jean Epiphan—Morris County  
Pete Nitzsche—Morris County  
Julia Piermatteo—Passaic County  
Madeline Flahive DiNardo—Union County



**RUTGERS UNIVERSITY**  
**Cooperative Extension**  
New Jersey Agricultural Experiment Station

# **North Jersey Ornamental Horticulture Symposium 2025**

**January 7—Turf Day**

**January 8—Tree Day**

**January 9—Landscape Day  
(Hold for Snow January 10)**

**8:30 AM – 3:30 PM**

**Dragonetti Auditorium  
County College of Morris  
214 Center Grove Rd.  
Randolph, NJ 07869**



# PROGRAM AND SPEAKERS

## Tuesday, January 7—Turf Day

**Program Chair—Madeline Flahive DiNardo, Agriculture and Natural Resources Agent for Union County**

- Implementation of Best Establishment Practices can Reduce Weed Encroachment and Herbicide Use. Brad Park, Laboratory Researcher, Rutgers University
- Application Methods and Programs for Crabgrass and Japanese Stiltgrass Control. Dan Tuck, Research Technician, Rutgers University
- How Turfgrass Species and Soil Affect Fertilization Requirement. Dr. Jim Murphy, Extension Specialist in Turfgrass Management, RCE
- Integrated Management of White Grubs: Monitoring and Chemical, Cultural, and Biological Control. Dr. Albrecht Koppenhöffer, Extension Specialist in Turfgrass Entomology, RCE
- Healthy Microbiome: The Unsung Hero of Turfgrass Disease Suppression. Dr. Ming-Yi Chou, Extension Specialist in Turfgrass Pathology, RCE

## Wednesday, January 8—Tree Day

**Program Chair—Jean Epiphan, Agriculture and Natural Resources Agent for Morris County**

- The Fungus Among Us: An Overview of Several Wood Decay Fungi and Why You Should Know Them. Wayne Cahilly, Owner/Operator, Cahilly's Horticultural Services
- Selective Nature: A Deep Dive into Exactly What You Have Always Suspected is Missing, and Concise Recommendations on How to Replace It. Josh Morgan, Director of Plant Healthcare, Organic Approach
- 2024 Tree Disease Update: A Hot and Wet Summer! Rich Buckley, Director, Rutgers University Plant Diagnostic Laboratory
- Unraveling Beech Leaf Disease: Impacts, Biology and Effective Management. Mark Ware, Master Arborist, Rainbow Ecoscience
- Turf Wars: How to Mitigate Health and Stressors Between Trees and Turf as Part of IPM. Neil Hendrickson, Arborist, Bartlett Tree Research Labs (retired)

## Thursday, January 9—Landscape Day

**Program Chair—Joel Flagler, Agriculture and Natural Resources Agent for Bergen County, and Julia Piermatteo, Agriculture and Natural Resources Program Associate for Passaic County**

- Cultural Practices to Reduce Disease Pressure. Dr. Tim Waller, Ag & Natural Resources Agent, RCE
- Pesticide Regulations that Affect Landscape Managers. Spencer Kerkhof, Outreach Representative, NJDEP
- Pests to Expect in 2025. Rich Buckley, Director, Rutgers University Plant Diagnostic Laboratory
- Using Native Plants in the Landscape: What Research Shows. Bill Errickson, Ag & Natural Resources Agent, RCE
- Best Small Trees and Shrubs for 2025. Bruce Crawford, Director of Horticulture, Morris County Park Commission

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and Boards of County Commissioners. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunity program provider and employer.

For more details and registration information, please visit:

<https://njaes.rutgers.edu/njohs/>

## Registration Fees

- \$75 per day by December 13, 2024 includes continental breakfast and lunch
- \$90 per day after December 13, 2024 includes continental breakfast (NO LUNCH)

**Online registration deadline:  
Sunday, January 5, 2025**

Walk-in registration available on the day of the program for \$90 per day, continental breakfast provided, but NO LUNCH. Only checks made payable to: 'Rutgers, the State University' or cash will be accepted for walk-in registration.

Credit cards and Purchase Orders accepted online only.

For questions about the program or assistance with registration contact:  
Cynthia Triolo at  
[ctriolo@co.morris.nj.us](mailto:ctriolo@co.morris.nj.us)  
or 973-285-8306

**2025 NJ AGRICULTURAL CONVENTION AND TRADE SHOW**  
**STRATEGIES FOR SUCCESS**

*Hosted by:*

**The Vegetable Growers Association of New Jersey**  
**In Cooperation with Rutgers Cooperative Extension**



**NEW FOR 2025**

**MONDAY FEBRUARY 3, 2025**  
**AFTERNOON:**

**PRE-CONVENTION WORKSHOPS**

**PESTICIDE SAFETY AND REGULATIONS**  
**6 CORE CREDITS**

**PRE-REGISTRATION REQUESTED- REGISTER ON THE VGANJ WEBSITE**

**<https://vganj.com/convention-tickets/pre-convention-tickets>**

**\$25 per person**

PRESENTERS: **WILLIAM BAMKA AND MICHELLE INFANTE-CASELLA**,  
AGRICULTURAL AGENTS, RUTGERS COOPERATIVE EXTENSION

2:00 P.M. Pesticide Safety – Personal Protection Equipment for the Pesticide Applicator

2:30 P.M. Pesticide Safety – Update on US EPA Worker Protection Standards

3:30 P.M. Pesticide Safety – Storage, Tank Mixing, Tank Cleaning, Disposal

4:00 P.M. Pesticide Safety – Pesticide Record Keeping and Notification

5:00 P.M. – *Pesticide Credits 6-CORE*

**UNDERSERVED FARMER NETWORK**  
**RESOURCE SEMINAR & IDEA SHARING EVENT**

**2:00 PM TO 4:00 PM**

**[Click Here](#) to register**

For more information contact: Alyssa Pitt, Public Policy Specialist, NJDA at [Alyssa.Pitt@ag.nj.gov](mailto:Alyssa.Pitt@ag.nj.gov)

# 2025 NJ AGRICULTURAL CONVENTION AND TRADE SHOW STRATEGIES FOR SUCCESS

Tuesday Morning, February 4, 2024

9:30 AM – 11:45 AM

<p><b>USDA NRCS &amp; RD</b></p> <p><b>EVAN MADLINGER</b> <i>Chair</i></p> <p>9:30 A.M. Agricultural Grant Producer Funding <b>Maryann Tancredi, RD</b> <i>Business Programs Director, USDA</i></p> <p>10:00 A.M. NRCS Practices that can Enhance Pesticide Safety on Your Farm <b>Kaitlin Farbotnik,</b> <i>NRCS State Conservation Agronomist and Scott Snell, NRCS Agronomist</i></p> <p>11:00 A.M. Benefits of Managing your On-Farm Woodlots <b>Don Donnelly, USDA</b> <i>State Forester</i></p> <p><b>Pesticide Credits: TBD</b></p>	<p><b>VINEYARD SOIL HEALTH</b></p> <p><b>HEMANT GOHIL</b> <i>Chair</i></p> <p>9:30 A.M. Soil Testing Methods for Vineyards <b>Stephanie Murphy,</b> <i>Director Rutgers Soils Lab.</i></p> <p>10:00 A.M. Nutrient and Organic Matter Recycling in the Vineyard <b>Will Brinton, Woods</b> <i>End Lab</i></p> <p>10:30 A.M. Panel Moderator: <b>Dan Ward</b></p> <p>Vineyard Soil Health: Challenges, Remediation, and the Difference <b>William Heritage</b> <b>Larry Sharrott</b> <b>Mike Beneduce</b> <b>Peter Oudemans</b></p> <p><b>Pesticide Credits: 0</b></p>	<p><b>NURSERY AND ORNAMENTALS I</b></p> <p><b>BILL ERRICKSON</b> <i>Chair</i></p> <p>9:30 A.M. Nursery Integrated Pest Management Essentials <b>William Errickson</b> <i>Ag Agent, RCE Monmouth Co.</i></p> <p>10:00 A.M. Common Pest and Cultural Management Issues in Conifers &amp; Christmas Trees <b>Steve Rettke</b> <i>RCE Prog. Assoc.</i></p> <p>10:30 A.M. Beech Leaf Disease <b>Jean Epiphan</b> <i>Ag Agent</i></p> <p>11:00 A.M. Pesticide Safety for Ornamental Crop Producers <b>George Hamilton</b> <i>NJAES Specialist</i></p> <p><b>Pesticide Credits: 1-CORE, 3-PP2, 1-1A, 2-2, 2-3A, 1-3C, 3-8C, 1-9, 3-10</b></p>	<p><b>FIELD CROPS</b></p> <p><b>STEPHEN KOMAR</b> <i>Chair</i></p> <p>9:30 A.M. Evaluating Practices to Boost Soybean Protein Levels for Increased Profit <b>Bill Bamka, Ag</b> <i>Agent, RCE</i></p> <p>10:00 A.M. Endangered Species Impact on Pesticide Use – How to Prepare <b>Mark VanGessel,</b> <i>Weed Specialist, Univ. of DE.</i></p> <p>11:00 A.M. Using Drones to Overseed Cover Crops, 2024 Research <b>Stephen Komar,</b> <i>RCE</i></p> <p><b>Pesticide Credits: 2-CORE, 2-PP2, 2-1A</b></p>	<p><b>VEGETABLE DISEASE CONTROL</b></p> <p><b>ANDY WYENANDT</b> <i>Chair</i></p> <p>9:30 A.M. Managing Alternaria in Broccoli with Conventional and Organic Fungicide Programs. <b>Doug Higgins, Specialist, VA</b> <i>Tech</i></p> <p>10:00 A.M. Tar Spot of Corn: What We've Learned About the Disease and Its Management <b>Andrew Kness</b> <i>Ag. Agent, UMD Ext.</i></p> <p>10:30 A.M. Update on Disease Controls in Tomato <b>Steve Rideout, Pathologist,</b> <i>VA Tech</i></p> <p>11:00 A.M. Update on Disease Controls in Pepper and Eggplant <b>Andy Wyenandt,</b> <i>Pathologist, NJAES</i></p> <p><b>Pesticide Credits: 4-PP2, 4-1A, 4-10</b></p>	<p><b>AGRICULTURAL POLICIES AND ISSUES</b></p> <p><b>BRIAN SCHILLING</b> <i>Chair</i></p> <p>9:30 A.M. 11:30 A.M. Panel Discussion Lead by: <b>Brian Schilling, Director RCE</b></p> <p>State Farm Development Support Programs to Know About</p> <p><b>Panelists:</b> <b>Jeff Everett, Exec. Dir.,</b> <i>Garden State Pres. Trust</i></p> <p><b>David Kimmel</b> <i>Ag. Res. Spec., SADC</i></p> <p><b>Chuck Roohr</b> <i>Deputy Dir., SADC</i></p> <p><b>Brian Wilson</b> <i>Coord, Burlington Co. Farmland Pres.</i></p> <p><b>Pesticide Credits: 0</b></p>
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LUNCH AND LEARN INDUSTRY PRESENTATIONS 12:00pm to 1:30PM

**PRE-SIGN UP REQUIRED – FREE LUNCH – TICKET REQUIRED – SPACE LIMITED – SIGN UP AT REGISTRATION DESK**

Exhibitors and Industry Representatives are sponsoring lunch and will talk about products and services.

Tuesday Mid-Day Workshop

12:00 - 1:30 P.M. Farmers Market Nutrition (FMNP) Program Vendor Training

NJ Dept. of Health and NJ Dept. of Agriculture Representatives

**Tuesday Afternoon, February 4, 2025**

**2:15 PM – 4:30 PM**

<p align="center"><b>USDA FSA</b></p> <p align="center"><b>SARAH LALLY</b> <i>Chair</i></p> <p>2:00 P.M. How Can USDA FSA Help You? All Things NAP <b>Aly Dyson</b> <i>Program Specialist, USDA, FSA</i></p> <p>2:30 P.M. FSA Farm Loan Programs (FLP) &amp; the New Enhancing FLP Rule <b>Shannon Barton</b> <i>Farm Loan Chief, USDA/FSA</i></p> <p>3:00 P.M. Why COC Elections &amp; Acreage Reporting are Important <b>Lindsay Caragher</b> <i>Deputy State Executive Director, USDA/FSA</i></p> <p>3:30 P.M. How Can USDA FSA Help You? Marketing Assistance Loans &amp; Farm Storage Facility Loans Overview <b>Sarah Lally</b> <i>Program Specialist, USDA/FSA</i></p> <p align="center"><b>Pesticide Credits: 0</b></p>	<p align="center"><b>ENVIRONMENTAL ISSUES IN AGRICULTURE</b></p> <p align="center"><b>AMY ROWE</b> <i>Chair</i></p> <p>2:00 P.M. PFAS 101 (per- and polyfluoroalkyl substances) for Farmers <b>Faith Kibuye</b>, <i>Ext. Assoc. Penn State</i></p> <p>2:30 P.M. Hacking Agronomy: The Science Behind Big Claims from Novel Input Products <b>Nicole Fiorellino</b>, <i>Ext. Specialist, Univ. of Maryland</i></p> <p>3:00 P.M. Climate Trends, Future Outlook, and Weather Data You Can Use for Crop Management Decisions <b>David Robinson</b>, <i>NJ State Climatologist, Rutgers</i></p> <p>3:30 P.M. Carbon Sequestration and What Farmers Need to Know <b>Carla Gavilan</b>, <i>Post-Doctoral Researcher, Rutgers</i></p> <p align="center"><b>Pesticide Credits:1-PP2, 1-1A</b></p>	<p align="center"><b>NURSERY AND ORNAMENTALS II</b></p> <p align="center"><b>TIM WALLER</b> <i>Chair</i></p> <p>2:00 P.M. Rapidly Spreading Box Tree Moth – Updates <b>Timothy Waller</b>, <i>Ag Agent, RCE</i></p> <p>2:30 P.M. Ambrosia Beetle - Fungus Farming Beetles and You <b>Rich Buckley</b>, <i>Director Rutgers PDL</i></p> <p>3:00 P.M. Irrigation Management: Assessing Requirements, Duration and Frequency of Applications <b>Raul Cabrera</b>, <i>Ext. Specialist, NJAES</i></p> <p>3:30 P.M. Safely Making Chemicals Work for You <b>Timothy Waller</b>, <i>Ag Agent, RCE</i></p> <p align="center"><b>Pesticide Credits: 1-CORE, 2-PP2, 2-3A, 1-6B, 1-8C, 1-9, 1-10</b></p>	<p align="center"><b>SOIL HEALTH</b></p> <p align="center"><b>STEPHANIE MURPHY</b> <i>Chair</i></p> <p>2:00 P.M. Best Management Practices for Soil Health: What it Means for Different Soil Types and Different Crops <b>Kaitlin Farbotnik</b>, <i>NRCS State Conservation Agronomist and Fred Schoenagel</i>, <i>Soil Scientist, USDA</i></p> <p>2:30 P.M. Plant Responses to Soil Physical Conditions <b>Daniel Gimenez</b>, <i>Rutgers</i></p> <p>3:00 P.M. Soil Micronutrients for Plant Health <b>Joseph Heckman</b>, <i>Specialist, NJAES</i></p> <p>3:30 P.M. Assessing Biological Contributions to Soil Health <b>Will Brinton</b>, <i>Woods End Lab</i></p> <p align="center"><b>Pesticide Credits: 0</b></p>	<p align="center"><b>SWEET CORN AND PUMPKIN</b></p> <p align="center"><b>MICHELLE INFANTE-CASELLA</b> <i>Chair</i></p> <p>2:00 P.M. Sweet Corn Insect Pest Identification and Control <b>David Owens</b> <i>Univ. of Del.</i></p> <p>2:30 P.M. Sweet Corn Weed Control <b>Mark VanGessel</b>, <i>Weed Specialist, Univ. of Del.</i></p> <p>3:00 P.M. Pumpkin Disease Identification and Controls <b>Andy Wyenandt</b>, <i>Pathologist, NJAES</i></p> <p>3:30 P.M. 2024 Small Pumpkin Variety Trial Results <b>Michelle Infante-Casella</b>, <i>Ag Agent, RCE</i></p> <p align="center"><b>Pesticide Credits: 3-PP2, 3-1A, 3-10</b></p>	<p align="center"><b>BEYOND GRAPES – FARM BASED ALCOHOLIC BEVERAGES</b></p> <p align="center"><b>MEGAN MUEHLBAUER</b> <i>Chair</i></p> <p>2:00 P.M. Growing High Quality Grain and Hops the Beverage Industry <b>Bill Bamka</b>, <i>Ag Agent RCE</i></p> <p>2:30 P.M. Choosing and Growing Apples for Cider Production <b>Megan Muehlbauer</b> <i>Ag Agent, RCE</i></p> <p>3:00 P.M. Developing a Winery/Cider Mill on an Existing Orchard from the Ground Up. <b>Dana Davis</b>, <i>Rebel Sheep Wine Co.</i></p> <p>3:30 P.M. Producing and Sourcing Local Ingredients for Distilled Beverages <b>Robert Mattera</b> <i>3BR Distillery</i></p> <p align="center"><b>Pesticide Credits: 2-PP2, 2-1A, 2-10</b></p>
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**Wednesday Morning, February 5, 2025**

**9:30 AM – 11:45 AM**

AGRIVOLTAICS	BEGINNING FARMERS	FARMER HEALTH AND SAFETY	AGRICULTURE TECHNOLOGY	AGRITOURISM	STRAWBERRY PRODUCTION AND MARKETING	NEW JERSEY WOMEN IN AGRICULTURE: TOGETHER WE ARE STRONGER
<p><b>AJ BOTH</b> <i>Chair</i></p> <p>9:30 A.M. Agrivoltaics 101 <b>A.J. Both</b> <i>NJAES Specialist</i></p> <p>10:00 A.M. Update on the Solar Energy Pilot Program <b>David Specca</b>, <i>NJAES Asst. Dir. NJAES EcoComplex</i></p> <p>10:30 A.M. Update on 2024 Crop Trials <b>Dan Ward</b>, <i>NJAES, Dir. RAREC</i></p> <p>11:00 A.M. Economic Considerations <b>Kevin Sullivan</b>, <i>Asst. Dir. Rutgers Statistical Analysis</i></p> <p><b>Pesticide Credits: 0</b></p>	<p><b>BILL HLUBIK</b> <i>Chair</i></p> <p>9:30 A.M. Overview of RU Ready to Farm Program in NJ – Resources and Lessons Learned <b>Bill Hlubik</b>, <i>Ag Agent, RCE Middlesex</i></p> <p>10:00 A.M. SADC Next Gen Program Update <b>Brendon Pearsall</b>, <i>NGFP Program, Coordinator and Jessica Brandeisky</i> <i>Coordinator, SADC</i></p> <p>10:30 A.M. Panel – Challenges and Opportunities for New and Established Growers <b>Tim Von Thun</b>, <i>Von Thun Farms and Trevor Styles</i></p> <p>11:00 A.M. USDA Resources for New and Established <b>Ash Dunlevy</b>, <i>USDA</i></p> <p>11:30 A.M. Grant Opportunities for New and Established Farmers –<b>Brendon Pearsall</b>, <i>SADC Linnea Eberly, RCE</i></p> <p><b>Pesticide Credits: 0</b></p>	<p><b>KATE BROWN</b> <i>Chair</i></p> <p>9:30 A.M. Preventing Heat Stress <b>Kate Brown</b>, <i>Ag Agent, RCE, Somerset Co.</i></p> <p>10:00 A.M. Addressing Electrical Hazards on the Farm <b>Matthew Khaled</b>, <i>PSE&amp;G</i></p> <p>10:30 A.M. Pesticide Safety Update: Exposure, Recordkeeping, and Storage <b>Kate Brown</b>, <i>Ag Agent, RCE Somerset Co.</i></p> <p>11:00 A.M. Tick Confidence: Empowering NJ Growers to Safeguard Their Health <b>Emily Fontaine</b>, <i>Project Manager, NJ Ticks4Science</i></p> <p><b>Pesticide Credits: 1-CORE</b></p>	<p><b>WILLIAM SCIARAPPA</b> <i>Chair</i></p> <p>9:30 A.M. Auto-Steer for Tractors <b>Chad Cbertonazzi</b> <i>Central Jersey Tractor</i></p> <p>10:00 A.M. Biodegradable Plasticsulture <b>Jon Weiswasser</b>, <i>Filmtech</i></p> <p>10:30 A.M. Container-Grown Blueberries <b>Bill Sciarappa</b>, <i>Ag Agent, RCE</i></p> <p>11:00 A.M. Drones – Play Toys to Power Tools <b>Peter Oudemans</b>, <i>Pathologist, NJAES</i></p> <p><b>Pesticide Credits: 4-PP2, 4-1A, 1-11</b></p>	<p><b>CLAUDIA GIL ARROYO</b> <i>Chair</i></p> <p>9:30 A.M. Is Your Farm Ready for Agritourism? <b>Claudia Gil Arroyo</b>, <i>Ag Agent, Cape May Co.</i></p> <p>10:00 A.M. Marketing Tools for Agritourism Operators <b>Sarah Cornelisse</b>, <i>Penn State</i></p> <p>10:30 A.M. Special Occasion Events <b>TBD</b></p> <p>11:00 A.M. Athletic Activities on Agritourism Farms <b>Michelle Infante-Casella</b>, <i>Ag Agent, RCE Gloucester</i></p> <p><b>Pesticide Credits 0:</b></p>	<p><b>PETER NITZSCHE</b> <i>Chair</i></p> <p>9:30 A.M. TBD Considerations For Growing Your Own Strawberry Plugs <b>Peter Nitzsche</b> <i>Ag Agent, RCE</i></p> <p>10:00 A.M. An Overview of Strawberry Production in South Carolina and Research to Support It <b>Andy Rollins</b>, <i>Ag Agent, Clemson Univ.</i></p> <p>10:30 A.M. Small Fruit Production at Giamarese Farm <b>James Giamarese</b>, <i>Farmer</i></p> <p>11:00 A.M. Update on Spotted Winged Drosophila Research and Management <b>Cesar Rodriguez-Saona</b>, <i>Entomologist, Rutgers NJAES</i></p> <p><b>Pesticide Credits: 3-PP2, 3-1A, 3-10, 1-9</b></p>	<p><b>DARCY PEREHINYS</b> <i>Chair</i></p> <p>9:30 A.M. Keynote Speaker: <b>Meredith Bernard</b>, “This Farm Wife”, <i>Social Media Influencer</i></p> <p>Panel Discussion: <b>Cali Alexander</b>, <i>Woman of the Year</i></p> <p>NJFB WLC Director TBD</p> <p>NJ Woman Farmer TBD</p> <p>Rutgers Coop. Ext. <b>Meredith Melendez</b>, <i>Ag Agent, RCE Mercer</i></p> <p><b>Pesticide Credits: 0</b></p>

**Wednesday Mid-Day Workshop**

**12:00 - 1:30 P.M. Farmers Market Nutrition (FMNP) Program Vendor Training**  
*NJ Dept. of Health and NJ Dept. of Agriculture Representatives*



**Wednesday Afternoon, February 5, 2025**

**2:15 PM – 4:30 PM**

<p align="center"><b>LIVESTOCK</b></p> <p align="center"><b>TESS STAHL</b> <i>Chair</i></p> <p>2:00 P.M. What's in Your Feed Bag <b>Tess Stahl, Specialist,</b> NJAES</p> <p>2:30 P.M. Don't Guess...Test: Overview of Forage and Soil Testing <b>Carey Williams, Specialist</b> NJAES <b>and Bill Bamka, Ag</b> <i>Agent</i></p> <p>3:00 P.M. Panel Discussion: From Farm to Fork and Everything In-Between: Meat Processing and Marketing <b>Rachel Sickler, Sickler's</b> <b>Circle View Farm, Danielle</b> <b>Wainwright, Clover Valley</b> <b>Farm, Jeff Bringham,</b> <b>Bringham Meats, and</b> <b>Joseph Silvestri, Goffle Rd.</b> <i>Poultry Farm</i></p> <p>3:30 P.M. Flourishing Fields: Strategies for Effective Livestock Pasture Management <b>Craig Haney, Agricultural</b> <b>Specialist at North Jersey</b> <i>RC&amp;D</i></p> <p align="center"><b>Pesticide Credits: 0</b></p>	<p align="center"><b>FIELD GROWN CUT FLOWERS</b></p> <p align="center"><b>TIM WALLER</b> <i>Chair</i></p> <p>2:00 P.M. Cut Flower Production and Marketing for Fresh Markets and Events <b>Rose Robson,</b> <i>Robson Farms</i> <b>Plus:</b> Farmer Discussion on Cut Flower Industry Needs</p> <p>3:00P.M. Field Grown Cut Flower Pesticide Program Implementation and Considerations <b>Tim Waller,</b> <i>Ag Agent, RCE</i></p> <p>3:30 P.M Safe and Effective Use of Horticultural Pesticides and Sanitizers <b>Tim Waller, Ag</b> <i>Agent, RCE</i></p> <p align="center"><b>Pesticide Credits: 1- CORE, 2-PP2, 2-3A, 2-10</b></p>	<p align="center"><b>WEED CONTROL</b></p> <p align="center"><b>THIERRY BESANCON</b> <i>Chair</i></p> <p>2:00 P.M. Regional Feedback on Use of Laser Weeders in Vegetable <i>Crops</i> <b>Lynn Sosnoskie, Asst</b> <i>Prof, Hort., Cornell</i> <i>Univ,</i></p> <p>2:30 P.M. Vision-Guided Sprayer Update for Grape and Highbush Blueberry <b>Thierry Besancon,</b> <i>Weed Specialist,</i> NJAES</p> <p>3:00 P.M. Electrical Weeders for Perennial Crops <b>Lynn Sosnoskie, Asst</b> <i>Prof, Hort., Cornell</i> <i>Univ,</i></p> <p>3:30 P.M. Autonomous Robotic Platforms for Weeding and Other Field Tasks <b>Thierry Besancon,</b> <i>Weed Specialist,</i> NJAES</p> <p align="center"><b>Pesticide Credits:</b> <b>4-PP2, 4-1A, 4-10</b></p>	<p align="center"><b>BLUEBERRY PRODUCTION</b></p> <p align="center"><b>GARY PAVLIS</b> <i>Chair</i></p> <p>2:00 P.M. Improving Your Chances of Great Pollination to Support Better Berry Yields <b>Rufus Isaacs, Entomologist,</b> <i>Michigan State Univ.</i></p> <p>2:30 P.M. Infestation and Parasitism Rates of Spotted-Wing Drosophila in Non-Crop Hosts: Implications for Management <b>Cesar Rodriguez-Saona,</b> <i>Entomologist, Rutgers</i> NJAES</p> <p>3:00 P.M. Monitoring and Evaluating Fields for Soil Health <b>Peter Oudemans,</b> <i>Pathologist, Rutgers</i> NJAES</p> <p>3:30 P.M. A New Approach to Exploring the Blueberry Underground <b>James Polashock,</b> <i>Pathologist, USDA, ARS</i></p> <p>4:00 P.M. Developing an AI Method to Estimate Blueberry Fruit Yield Using Mobile Device Images <b>Jeff Neyhart, Research</b> <i>Geneticist, USDA, ARS</i></p> <p align="center"><b>Pesticide Credits: 4-PP2, 4-1A, 4-10, 1-9</b></p>	<p align="center"><b>PRODUCE SAFETY</b></p> <p align="center"><b>MEREDITH MELENDEZ</b> <i>Chair</i></p> <p>2:00 P.M. FSMA PSR Ag Water Rule - Newly Finalized and Very Different from the First Release of the Rule. <b>Wesley Kline, Ag</b> <i>Agent, RCE</i></p> <p>2:30 P.M. FSMA PSR Covered Farms and Gleaning Activity Requirements from the FDA <b>Meredith Melendez, Ag</b> <i>Agent, RCE</i></p> <p>3:00 Developing a FSMA PSR Compliant Worker Training Pro <b>Meredith Melendez, Ag</b> <i>Agent, RCE</i></p> <p>3:30 P.M. FSMA Traceability Rule Update <b>Wesley Kline, Ag</b> <i>Agent, RCE</i></p> <p align="center"><b>Pesticide Credits: 0</b></p>	<p align="center"><b>DIRECT MARKETING TOOLBOX</b></p> <p align="center"><b>KATE BROWN</b> <i>Chair</i></p> <p>2:00 P.M. Role of Artificial Intelligence in Direct Marketing <b>Sarah Cornelisse</b> <i>Sr. Ext. Prog. Spec.</i> <i>Penn State</i></p> <p>2:30 P.M. The What and How of Communicating with Farm Market Clientele <b>Mary Nucci, Assoc.</b> <i>Prof., Rutgers</i></p> <p>3:00 P.M. Value-Added Products <b>Nolan Lewin, Rutgers</b> <i>Food Innovation Center</i></p> <p>3:30 P.M. <i>TBD possibly Michael</i> <i>Cherenson</i></p> <p align="center"><b>Pesticide Credits: 0</b></p>
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**WORKSHOP: FSMA PRODUCE SAFETY RULE GROWER TRAINING**

**MEREDITH MELENDEZ**

*Chair*

**9:00 AM – 4:30 PM**

**Pre-Registration Required**

This training fulfills the requirements of the Food and Drug Administration (FDA) that at least one person from each farm needs to receive a standardized curriculum recognized by the FDA.

Topics Include:

- Introduction to Produce Safety
- Worker Health, Hygiene & Training
- Soil Amendments
- Wildlife, Domesticated Animals & Land Use
- Agricultural Water – Production Water
- Agricultural Water – Postharvest Water
- Postharvest Handling & Sanitation
- How to Develop a Farm Food Safety Plan

Each attendee will receive a grower manual and be eligible for a certificate from the Association of Food & Drug Officials of the United States (AFDO). Note: Each participant must stay the entire training to be eligible for the certificate of training.

**The cost is \$50/per person,**

**Registration is separate from the registration fee to the Vegetable Growers Convention.**

\*Participants must be registered with VGANJ for the convention to attend this workshop.

For more information, email Jennifer at [jmatthews@njaes.rutgers.edu](mailto:jmatthews@njaes.rutgers.edu) (Lunch is on your own)

**Register at:**

<https://onfarmfoodsafety.rutgers.edu/fsmaac/>

*This training is partly funded through grants from the United States Department of Agriculture & Food & Drug Administration.*

**Workshop Speakers:**

**Wesley Kline**, Ag Agent, RCE

**Meredith Melendez**, Ag Agent, RCE

**Kate Brown**, Ag Agent, RCE

**Pesticide Credits: 0**

**STOP THE BLEED – BLEEDING CONTROL WORKSHOP**

**KATE BROWN**

*Chair*

**REGISTRATION REQUIRED**

\*Participants must be registered with VGANJ for the convention to attend this workshop.

To register and for more information contact:

Kate Brown at [kbrown@njaes.rutgers.edu](mailto:kbrown@njaes.rutgers.edu)

Please include the name of the participant and a contact phone number in the email indicating participation.

The number 1 cause of preventable death after injury is bleeding. It is such an important issue that often is associated with farm accidents. Therefore, the Vegetable Growers Association of New Jersey and Rutgers Cooperative Extension are teaming with the Rutgers New Jersey Medical School (NJMS) to teach life-saving bleeding control skills at this workshop. Instructors will teach participants hands-on and in-person instruction, using training materials specially developed to teach bleeding control techniques. Participants will be trained on how to “Stop the Bleed”. Workshop participants will receive a bleeding control kit upon completion of the training. Space is limited in this workshop and is limited to 30 people.

Lead Trainer:

**James A. Tranos**

*Rutgers School of Medicine, Newark*

**Pesticide Credits: 0**