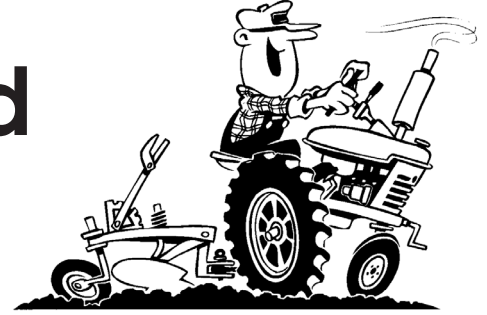


# Cultivating Cumberland

October - 2022

Vol. 27, Issue 10



## A Produce Safety Webinar Series Post-Harvest Water: Things to Consider

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Next on CONTACT's Produce Safety Webinar Series: "Post-harvest Water: Things to Consider", on October 13th at 3:30 pm Eastern.

This webinar will feature the engaging Dr. Keith Schneider from the University of Florida. He will cover wash water quality, sanitizer use, methods/pros and cons of monitoring, and some recommendations for post-harvest water management that attendees may apply to their operations. Be sure to stick around for the live only Q&A, where Dr. Schneider will stay and answer audience questions. We are excited to host Dr. Schneider on the Produce Safety Webinar Series. As a reminder: Each webinar will consist of a one-hour presentation followed by 30 min of interactive Q&A. Please join us - all welcome!

This webinar is free and will be held via Zoom. Registration is required. Produce safety industry, government, and academia are encouraged to come. All are invited!

### Attachments:

- New Christmas Tree Edition PPA
- Pesticide Applicators Seminar
- Survey of Cole Crops and Leafy Green Growers
- Virtual- Rutgers Educational Pesticide Recertification Credit Series

### Registration link

[https://virginiatech.zoom.us/webinar/register/WN\\_yNmXop6XTeKgNucEyhpRvQ](https://virginiatech.zoom.us/webinar/register/WN_yNmXop6XTeKgNucEyhpRvQ)

Missed Season 1, or webinars from Season 2... Visit our YouTube <https://www.youtube.com/channel/UCY2J9s4mOfKwSianIO4ELRg>

We also welcome future webinar topic suggestions, Tweet Us

[https://twitter.com/ps\\_sci](https://twitter.com/ps_sci), or Mention Us

[https://www.instagram.com/ps\\_sci/](https://www.instagram.com/ps_sci/)

More info at <https://contactproducesafety.ifas.ufl.edu/>

## **Census of Agriculture Coming This November**

America's farmers and ranchers will soon have the opportunity to be represented in the nation's only comprehensive and impartial agriculture data for every state, county and territory. USDA will mail the 2022 Census of Agriculture to millions of agriculture producers across the 50 states and Puerto Rico this November. Collected in service to American agriculture since 1840 and now conducted every five years by USDA's National Agricultural Statistics Service (NASS), the Census of Agriculture tells the story and shows the value of U.S. agriculture. It highlights land use and ownership, producer characteristics, production practices, income and expenditures, among other topics. Changes to the 2022 questionnaire include new questions about the use of precision agriculture, hemp production, hair sheep, and updates to internet access questions.

### **What is the Census of Agriculture?**

The Census of Agriculture is a complete count of U.S. farms and ranches and the people who operate them. Even small plots of land – whether rural or urban – count if \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year. The Census looks at land use and ownership, operator characteristics, production practices, income and expenditures. If your farm meets this benchmark and you have never received NASS surveys or censuses, you can sign up to be counted online at <https://www.agcounts.usda.gov/static/get-counted.html>

### **Why is the Census of Agriculture important?**

The Census of Agriculture provides the only source of uniform, comprehensive, and impartial agriculture data for every county in the nation. Through the Census of Agriculture, producers can show the nation the value and importance of agriculture and can influence decisions that will shape the future of U.S. agriculture.

### **Who uses Census of Agriculture data?**

Census of Agriculture data are used by all those who serve farmers and rural communities — federal, state and local governments, agribusinesses, trade associations, and many others.

- Farmers and ranchers can use Census of Agriculture data to make informed decisions about the future of their own operations.
- Companies and cooperatives use the data to determine where to locate facilities that will serve agricultural producers.
- Community planners use the information to target needed services to rural residents.
- Legislators use census data when shaping farm policies and programs.
- Students, educators, and researchers use the data as part of their ongoing studies, education, and research initiatives.

### **How does NASS conduct the Census of Agriculture?**

NASS will mail the 2022 Census of Agriculture questionnaires to ag producers in November/December to collect data for the 2022 calendar year. Producers can respond online or return their completed questionnaires by mail. Responses are due by February 6, 2023. NASS will send reminder notices to those who do not respond and may attempt to contact those producers for a personal interview. The summarized data will be released in spring/summer 2024.

**Does NASS keep the information provided by individual respondents private?**

NASS is bound by law (Title 7, U.S. Code, and the Confidential Information Protection and Statistical Efficiency Act or CIPSEA, Public Law 107-347) – and pledges to every data provider – to use the information for statistical purposes only. NASS publishes only aggregated data, not individual or farm-specific data.

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**Rutgers NJDEP Pesticide Applicator Certification Exam Registration (PACER)****Exam Schedule**

Online 24/7

10/18/22 -- 10 AM, 12 PM

Monmouth County RCE, 4000 Kozloski Road, Freehold, NJ 07728

11/16/22 -- 10 AM

Sussex County Public Safety Training Academy, 114 Morris Turnpike, Newton, NJ 07860

12/08/22 -- 10 AM, 12 PM

RCE Burlington County, 2 Academy Drive, Westhampton, NJ 08060

Available at **<https://pacer.rutgers.edu/examcalendar.php>**

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**New Rutgers Fact Sheets**

The following new fact sheets are now available on NJAES Publications:

FS1348: Hairy Galinsoga Life Cycle Disruptions for Effective Control in No- and Low-Spray

Specialty Crops

Melendez, M. and Besancon, T.

<https://njaes.rutgers.edu/fs1348/>

FS1350: Redroot and Smooth Pigweed Life Cycle Disruptions for Effective Control in Specialty Crops

Melendez, M. and Besancon, T.

<https://njaes.rutgers.edu/fs1350/>

E371: Livestock and Poultry Veterinary Care Services Series, Part I: What Kind of Vet Do I Need? How Do I Find One?

Bravo, M

<https://njaes.rutgers.edu/e371/>

## Pesticide Container Recycling

### Helena Chemical

440 North Main St.  
Woodstown, NJ 08098  
Friday, October 21, 2022  
7:00 AM -5:00 PM

66 Route 206 (North of the Route 30/206 intersection)  
Hammonton, New Jersey  
Friday, October 28, 2022

The Salem County Utilities Authority has partnered with Helena Chemical, of Woodstown, NJ, and the Salem County Board of Agriculture to promote a free program, recycling plastic pesticide containers for Salem County.

This program is offered to agricultural, professional and commercial pesticide applicators, along with Helena Chemical customers who hold NJDEP pesticide licenses. Also, state, county and municipal government agencies may participate. **One core credit** will be given to pesticide license holders who follow the few simple processing steps below and bring their license with them at time of collection.

Helena Chemical will accept non-refillable, high-density polyethylene #2 (HDPE) containers that are no larger than 55 gallons and that have been triple rinsed. You must make sure containers are dry inside after they are rinsed out and either cut a 6-inch slit in the bottom or drill a quarter-inch hold in the bottom of the container to insure it will not hold liquids. Lids must be removed. Foil seal also must be removed. Containers that are 30 gallon size must be cut up into 4 pieces using a sawzall, chainsaw, circular saw, etc. 55 gallon containers must be cut up into 8 pieces accordingly. Non-waxy cardboard also will be accepted during this collection program, since most of these products are sold in cardboard boxes. Collection of cardboard will take place every Friday 1 pm to 3 pm from April through October.

Helena Chemical will not accept containers if they have held any type of petroleum oil product or antifreeze. Pesticide containers with any liquid or dried residue will not be accepted. No mini-bulk, saddle tanks or nurse tanks will be accepted, as they may be made of fiberglass. The New Jersey Department of Agriculture will be on-site at each collection to insure containers are prepared properly and to issue one core credit to those who qualify.

For more information, contact the following: NJDA Division of Agricultural and Natural Resources, 609-913-6490; Helena Chemical, 856-769-0147; or SCUA, 856-935-7900.

## Food Safety Classes at Rutgers Food Innovation Center

The Rutgers Food Innovation Center will be holding the classes listed below for the fall and winter. If you have any questions contact Mellonie O'Neill, Senior Manager: QA Compliance & Training, Rutgers Food Innovation Center, 450 East Broad Street, Bridgeton, NJ 08302, Office: 856-391-7607, Email: [mo495@njaes.rutgers.edu](mailto:mo495@njaes.rutgers.edu)

Date		Course/Company	Reg. #	Trainers	\$/person	Class Links
Oct	11-13	Preventive Controls for Human Food - Virtual	17531	DFS & MO	\$ 545	<a href="https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/pcqi/">https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/pcqi/</a>
Oct	18-19	SQF Practitioner		Eva/MO	\$ 749	<a href="https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/sqf-safe-quality-foods/">https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/sqf-safe-quality-foods/</a>
Oct	25-26	FSVP - Virtual	17514	DFS & MO	\$ 495	<a href="https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/fsvp/">https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/fsvp/</a>
Nov	8-9	IAVA - Virtual	17515	DFS & MO	\$ 395	<a href="https://foodinnovation.rutgers.edu/Intentional-adulteration-vulnerability-assessments-food-defense-qualified-individual-training/">https://foodinnovation.rutgers.edu/Intentional-adulteration-vulnerability-assessments-food-defense-qualified-individual-training/</a>
Dec	6-8	HACCP	(IHA)	DFS & MO	\$ 495	<a href="https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/haccp/">https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/haccp/</a>
Dec	13-15	PCHF	17516	DFS & MO	\$ 545	<a href="https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/pcqi/">https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/pcqi/</a>

## Seeking Commercial Farmers to Trial Kiwiberry Lines

Weekly Crop Update Vol. 30, Issue 25, Univ. of Del. Cooperative Extension

The University of New Hampshire Kiwiberry Research and Breeding Program is now 10 years old, and we have nearly 20 advanced breeding lines ready for multi-locational testing. We're looking for 25 farmers across the northeast who are interested in participating in a grant-funded project that will support participatory evaluation of these potential new varieties, starting Spring 2023. If you are a current or aspiring kiwiberry producer, have an interest in new varieties, wish to receive more technical training, and have room for at least 12 vines, please email the project leader, Dr. Iago Hale ([iago.hale@unh.edu](mailto:iago.hale@unh.edu)).

## **From the NEW Christmas Tree Edition of the Rutgers PPA Douglas-fir Needle Midge: The Twisted Menace (9/23/2022)**

Steven K. Rettke, Rutgers Coop. Ext.

The Douglas-fir Needle Midge (*Contarinia pseudotsugae*) is host specific to only Douglas-firs. The insect infests needles & symptoms create a twisted distortion having yellow banding discolorations with swollen areas. Inside the swollen areas of the needle are fly larvae (maggots) of the Douglas-fir needle midge (DFNM). Typically scouting observations for needle infestations can begin to be easily observed during mid-summer. At maturity, the swollen areas turn brown or purple. The maggot is less than 5.0 mm in size & later in the season, the larvae can be exposed by opening the necrotic swollen area using a sewing needle.



Late season symptoms from a severe infestation of the Douglas-fir Needle Midge. The resulting needle distortion & twisting can sometimes become extreme. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)

Symptoms can mimic those caused by Cooley spruce gall adelgids. The needle cast diseases (Swiss or Rhabdocline) can also sometimes mimic the symptoms if the infestation is serious enough to cause thinning from excessive needle drop.

The DFNM was discovered to be an increasing problem in southern NJ more than 15 years ago. Previously the DFNM within the landscape had been completely off the radar. Infestations are limited to only Douglas-firs & had been primarily associated with Christmas tree production farms. Introduction into the landscape has unintentionally been caused by ball & burlap purchases that are initially used as indoor Christmas trees & then transplanted outdoors.

After dropping to the ground in November/December the larvae will overwinter in the soil under the tree they infested during the season. They pupate in early spring as the soil temperatures rise and emerge as adults in late April & continue into the weeks of May. These 1/8th size gnat-like flies can congregate in mating clouds & then begin to lay eggs in the new needle growth. The growing degree days (GDD) for adult emergence have been estimated to occur during the 200-400 GDD range. Some of the control sprays targeting adults include pyrethroids & acephate.

The best treatment window against the DFNM can also be determined with the placement of traps under trees to detect emerging adults. In most locations, traps should ideally be in place by late April if not earlier. Detection traps can be made with a plastic recycling bin or wax-coated cardboard box. Cut a hole in the side of the box to fit a clear empty jar into the opening. Place a dry, crumpled paper towel in the jar to absorb moisture. The box should be upside-down on the ground with heavy rocks securing it in place. When Midges emerge from the ground they are attracted to light coming from the hole in the box and become trapped in the jar. Control sprays should be applied to the trees within one week of the first catch. An additional spray should be made after approximately 10 days.

## Calendar of Events

- Indicates a newly added event

- **October 4**

**Northeast SARE Farmer Grant Webinar**; 12:00PM; Learn more about Northeast SARE's Farmer Grant program and how to navigate the application process. The webinar will also feature a presentation from previous Farmer Grant recipient, Tommye Lou Rafes. The webinar will be recorded for future viewing. contact Vander Gac at [vander.gac@uvm.edu](mailto:vander.gac@uvm.edu) or 802.476.2272 x 216. Register online at [https://us02web.zoom.us/webinar/register/6516611235851/WN\\_RoG\\_IkMmSDGsdUzwmFgKkA](https://us02web.zoom.us/webinar/register/6516611235851/WN_RoG_IkMmSDGsdUzwmFgKkA)

- **October 12-15, 2022**

**GardenComm's Annual Conference (virtual)** There is a great line up of speakers including Margery Daughtery, Jeff Lowenfels, Ryan McEaney plus Spanish sessions. There is a trade show plus networking. All are welcome to attend the conference. Registration includes all 4 days of the conference. Register at [https://hubs.ly/Q01cY\\_sR0](https://hubs.ly/Q01cY_sR0)

**October 18, 2022**

**Pesticide Applicator Seminar**; 9AM - 12PM, RCE Gloucester County, 254 County House Road, Clarksboro, NJ 08020; \$50 Cash or Check only. Please make checks payable to: Rutgers the State University of NJ, 3 - CORE Credits, 3 - PP2 Credits, 3 - 3A Credits, 3 - 3B Credits, 3 - 1A Credits. Call 856-224-8040 ext. 1 or email [jmedany@co.gloucester.nj.us](mailto:jmedany@co.gloucester.nj.us) to pre-register.

**October 18-20, 2022**

**FIRA USA 2022 Ag Robotics Forum; Fresno, California**; More information at [www.vegetablegrowersnews.com/events/](http://www.vegetablegrowersnews.com/events/)

- **October 18-21, 2022**

**Equip Exposition**; Registration is open for the international landscape, outdoor living and equipment exposition. Early Bird registration ends after Sept. 9. Co-located with Hardscape North America (HNA), the premier trade show for hardscape contractors, presented by the Interlocking Concrete Paving Institute and National Concrete Manufacturers Association. Registration at Equip Exposition gets attendees free access to the HNA show. Kentucky Exposition Center in Louisville. For more information visit [www.equipexposition.com](http://www.equipexposition.com)

**October 26, 2022**

**CORE Basic Pesticide Training Course**; Bioresource Engineering Laboratory (formerly ECC), 18 Ag Extension Way, New Brunswick, NJ 08901; 12:30-4:30 PM \$145; This is the first step in training for individuals interested in becoming a licensed NJ pest control operator and/or applicator. This course satisfies New Jersey's requirement of attending a basic pesticide training course for new applicants seeking to gain a state license; Register online and find more information at <https://cpe.rutgers.edu/pesticide-application/core-basic-pesticide-training>

- **November 14-15, 2022**

**PA Hemp Summit** The Summit will include educational sessions, workshops, trade show and a reception. PA Farm Show Complex Harrisburg, PA. Visit: <https://teampa.com/pahempsummit> for more information.

**November 14-17, 2022**

**World Alfalfa Congress 2022** San Diego, CA For more information and to register, please visit: <https://worldalfalfacongress.ucdavis.edu/>. Early bird registration ends September 30th

- **November 15-17, 2022**

**Mid-Atlantic Crop Management School;** Princess Royale, Ocean City, MD; The school offers a 2 ½ day format with a variety of breakout sessions. Individuals needing training in soil and water, nutrient management, crop management, and pest management can create their own schedule by choosing from 5 program options offered each hour.; Cost is \$325 by October 15, and \$375 after; Register online at <https://go.umd.edu/crop22registration>

**November 18, 2022**

**CORE Basic Pesticide Training Course in Spanish;** Bioresource Engineering Laboratory (formerly ECC), 18 Ag Extension Way, New Brunswick, NJ 08901;8:00AM-12:00PM; \$145; This is the first step in training for individuals interested in becoming a licensed NJ pest control operator and/or applicator. This course satisfies New Jersey's requirement of attending a basic pesticide training course for new applicants seeking to gain a state license; Register online and find more information at <https://cpe.rutgers.edu/pesticide-application/core-basic-pesticide-training>

**December 6, 2022 - December 8, 2022**

**2022 Green Expo Turf & Landscape Conference;** The Borgata Hotel & Casino, Atlantic City, NJ; Early registration ends Nov 1, after that registration is required at the event. More information at [www.njturfgrass.org](http://www.njturfgrass.org); Register at <http://njta.wildapricot.org/event-4956974>

**December 6, 2022 - December 8, 2022**

**Great Lakes Fruit, Vegetable & Farm Market EXPO;** Grand Rapids, Mi; More information at [www.vegetablegrowersnews.com/events/](http://www.vegetablegrowersnews.com/events/)

**December 13, 2022 - December 15, 2022**

**New England Vegetable & Fruit Conference;** Manchester, N.H.; More information at [www.vegetablegrowersnews.com/events/](http://www.vegetablegrowersnews.com/events/)

- **January 11-13, 2023**

**Mid-Atlantic Nursery Trade Show (MANTS);** Baltimore Convention Center (BCC), 1 West Pratt St., Baltimore, MD 21201; Gain insights into new products and innovations, network with peers, and source the best plants, nursery stock, landscape and garden items, heavy and light duty equipment, tools, outdoor living essentials, and other allied industry products; Find more info and register online at [MANTS.com](http://MANTS.com)

**January 30- February 1, 2023**

**Global Organic Produce Expo;** Seminole Hard Rock Hotel & Casino; Hollywood, FL; This years theme is Reaching the Conscious Consumer and will inspire every aspect of the event from keynote presentations and educational sessions to networking events and the bustling exhibit hall; Find more information and register online at [https://events.farmjournal.com/gopex\\_2023](https://events.farmjournal.com/gopex_2023)

- **February 3-7, 2023**

**North American Farmers' Direct Marketing Association (NAFDMA) Convention;** Austin, TX; The convention will have all the great farm tours, educational sessions, presenters, exhibitors, and agritourism connections you have come to expect. Visit [www.nafdma.com](http://www.nafdma.com) for more information

**February 7-9, 2023**

**2023 NJ Agricultural Convention and Trade Show; Atlantic City, NJ;** Vegetable Growers Association will hold their annual convention with educational sessions and trade show. Save the date! Find more information at [vganj.com](http://vganj.com)



# Regularly Scheduled Meetings

## Pesticide Credit Exams

October 18th, 10 AM, 12 PM  
Monmouth - Freehold, NJ

December 8th, 10 AM, 12 PM  
RCE - Westhampton, NJ

Virtual testing available.

Sign-up and find more  
information at  
<https://pacer.rutgers.edu/>

## Cumberland County Agriculture Development Board

Virtual Meetings Information  
can be found on the  
Public Meeting Calendar on  
[co.cumberland.nj.us](http://co.cumberland.nj.us)

Meetings are held on the 2nd  
Tuesday of each month.  
Meetings start at 7 p.m.

For more information call the  
Dept. of Planning, Tourism,  
and Community Affairs  
at 856-453-2175

## Cumberland County Board of Agriculture

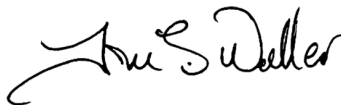
Virtual Meeting Information  
<https://rutgers.zoom.us/my/smangia>  
Meeting ID: 529 557 9817  
Passcode: Sal2020  
or call in at 1 (646) 558 - 8656

Meetings are held on the  
3rd Thursday of September - May  
at 7 p.m. in-person at RCE

Sincerely,



Wesley L. Kline, Ph.D.  
Cooperative Extension Agent  
Vegetable Production and Food Safety  
WKline@njaes.rutgers.edu



Timothy J. Waller, Ph. D.  
Cooperative Extension Agent  
Nursery Production  
TWaller@njaes.rutgers.edu



Salvatore Mangiafico, Ph. D.  
Extension Department Head &  
Environmental and Resource Mgt. Agent  
Mangiafico@njaes.rutgers.edu

Pesticide User Responsibility: Use pesticides safely and follow instructions on labels. The user is responsible for the proper use of pesticides, residues on crops, storage and disposal, as well as damages caused by drift  
Use of Trade Names: Trade names are used in this publication with the understanding that no discrimination is intended and no endorsement is implied. In some instances the compound may be sold under different trade names, which may vary as to label.

# RUTGERS

New Jersey Agricultural  
Experiment Station

Have you visited the Cumberland County website for the Present and /or past issues of "Cultivating Cumberland"?

It's a great resource for information and dates...

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

Public Notification and Non-discrimination Statement

Rutgers Cooperative Extension is an equal opportunity program provider and employer. Contact your local Extension Office for information regarding special needs or accommodations. Contact the State Extension Director's Office if you have concerns related to discrimination, 848-932-3584.

*Cooperative Extension of Cumberland County*



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Millville, NJ 08332-9791

**RUTGERS**  
New Jersey Agricultural  
Experiment Station

## Survey of cole crops and leafy green growers Novel weed control technology

Several university weed scientists from around the U.S. (Clemson, Cornell, UC Davis, Florida, Michigan State, Rutgers, Arkansas) have developed a survey as part of a Specialty Crop Research Initiative (SCRI) planning grant (SC-2021-07806 DEVELOPING A NATIONAL TEAM TO OPTIMIZE NON-HERBICIDE WEED MANAGEMENT TECHNIQUES IN COLE AND LEAFY GREEN CROPS)

**\*\* WE NEED YOUR INPUT! \*\***



Weed management in vegetables can be difficult due to a shrinking labor pool, which is becoming more costly to source, and a lack of effective herbicides. Research and extension efforts must focus on integrating novel weed technology into current crop production systems. Autonomous and semi-autonomous robotic weed control technology has been implemented by some vegetable growers, mainly in the Western US, but is not universally available to or adapted by many producers.

This survey is designed to new tools of interest (e.g. precision sprayers or cultivators, electrical weeders, drones, etc.) for managing weeds in cole crop and leafy green systems as well as the environmental, physical and economic barriers to adoption. The results of this survey will benefit vegetable growers by enabling the research team to develop relevant and realistic research efforts informed by the needs of and constraints faced by our local stakeholders. Specifically, we will use survey data to develop a multi-regional USDA grant proposal to bring grower-specified technology to each our states for evaluation and demonstration under a variety of commercial conditions and provide growers with an economic assessment of their performance relative to current best management practices.

The survey is voluntary and anonymous. All replies will be de-identified. It should take less than 10-15 minutes to complete



Use your camera to access the novel weed control technology survey

or

Visit: [https://clemson.ca1.qualtrics.com/jfe/form/SV\\_11fwcggkAXC9i6h0](https://clemson.ca1.qualtrics.com/jfe/form/SV_11fwcggkAXC9i6h0)

If you have questions, please feel free to contact Thierry Besançon, Associate Professor and Extension Weed Science Specialist for Specialty Crops, New Jersey Agricultural Experiment Station, [thierry.besancon@rutgers.edu](mailto:thierry.besancon@rutgers.edu)

## **PESTICIDE APPLICATORS SEMINAR**

*(For Farmers, Landscapers, and All Pesticide Applicators. All Are Welcome)*

**Rutgers Cooperative Extension of Gloucester County  
Shady Lane County Complex – Sullivan Room Auditorium  
254 County House Road, Clarksboro, NJ 08020**

*Enter through side ramp on far right of the building*

**Tuesday, October 18, 2022**

**9AM-12:00PM**

**Pre-Registration Appreciated/Walk-Ins Welcome (Pay at door)**

**\$50 per person (Cash or Checks Only)**

**Please make checks payable to: Rutgers the State University of NJ**

**Educator: Michelle Infante-Casella, Agricultural Agent, Gloucester Co.**

9:00 AM.....Pesticide Storage Facilities and Pesticide Disposal

10:00 AM.....Pesticide Record Keeping, Notification, and Posting

10:30 AM.....Insect Identification and Life Cycles for Proper Control Strategies in  
Landscapes, Turf, and Farm Fields

11:00 AM.....Weed Identification: Annuals and Perennials: Know Your Weeds in  
Landscapes, Turf and Farm Fields

11:30 AM.....Common Plant Diseases of Major Crop/Plant Groups

12:00 PM .....Pesticide Credits and Adjourn

**The following credits have been assigned by NJ DEP:**

3 - CORE Credits

3 - PP2 Credits

3 - 3A Credits

3 - 3B Credits

3 – 1A Credits

**Call 856-224-8040 ext. 1 or email [jmedany@co.gloucester.nj.us](mailto:jmedany@co.gloucester.nj.us) to pre-register.**

# PLANT & PEST ADVISORY

Rutgers Cooperative Extension

## NEW EDITION – SIGN UP NOW

### Christmas Trees Edition

[EMAIL](#) | [RSS](#)

Seasonal pest alerts and news about insects, diseases, and weeds impacting **Christmas Tree** production including Commercial Ag Updates (meetings and marketing); and Pesticide Program updates from the [Rutgers Pest Management Office News Blog](#).

Companion Website Links:

▶ [Rutgers Weather Forecasting](#) - Meteorological Information important to commercial agriculture.

## Christmas Tree Edition – Plant and Pest Advisory (+ *Nursery Conifers*)



## Sign up here

<https://plant-pest-advisory.rutgers.edu/category/christmas-trees/>

OR

<https://plant-pest-advisory.rutgers.edu/contact-information/rss-2/>



**Virtual – Rutgers Educational Pesticide Recertification Credit Series – Horticulture**  
**Individual Sessions – 6:00 - 7:00pm** (Login begins at 5:30pm)  
**October 19<sup>th</sup> (W) - 20<sup>th</sup> (Th) - 26<sup>th</sup> (W)**

These **virtual sessions** will be held on Zoom and require a **live video feed** and **photo ID + Pesticide license upload** prior to a secure RutgersConnect folder. You will need to sign-up for each session individually. Recently NJDEP will allow “in-person” credits for virtual events using this format, which means anyone who attends and participates will receive **all credits offered**.

Please visit the **QR code or link below** for sign-up and instructions. Please contact Tim with any questions or if you need help troubleshooting.

twaller@njaes.rutgers.edu – 856-451-2800 ext.1

<https://plant-pest-advisory.rutgers.edu/category/landscape-nursery-turf/>



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**Date:** 10/19/2022 (Wednesday)

**Title:** How Chemicals Work and Which to Use

*Speaker:* Tim Waller, Ph.D. Rutgers Cooperative Extension - Cumberland Co.

**Summary:** Tim Waller will be discussing the various types of chemistries and classes thereof that are available for use in comestible agriculture to horticulture to right-of-way to green industries when treating some form of pest (diseases, insects, weeds, etc.). He will explain how these materials behave in or on plants, their effects on pests, when to use which materials, proper handling and safety considerations, and concepts of pesticide resistance that will ultimately lead to better chemical stewardship.

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**Date:** 10/20/2022 (Thursday)

**Title:** Science and Application of Horticultural Sanitation Techniques

*Speakers:* Bill Errickson / Tim Waller - Rutgers Cooperative Extension – Monmouth / Cumberland Co.

**Summary:** Bill Errickson and Tim Waller will be discussing sanitation techniques that are broadly applicable to horticulture. Sanitation basics, chemical types, and locations where to best utilize sanitation approaches, will be covered. Sanitizing chemistries and pesticides will be highlighted throughout this presentation and will focus on proper handling and safety as many of these compounds are potentially dangerous. Throughout the presentation pest or plant life cycles will be discussed to demonstrate implementation of sanitation techniques.

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**Date:** 10/26/2022 (Wednesday)

**Title:** Horticulture Pesticide Safety and Regulation Updates

*Speakers:* George Hamilton, Ph.D. - Rutgers Extension Specialist – Pest Management; New Jersey Pesticide Safety

**Summary:** Dr. George Hamilton will be discussing the reasons for wearing protective equipment (PPE) and the proper types of equipment to use. He will also cover regulations related to recording keeping and application exclusions as well as other pesticide safety related topics.

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*We have applied for CORE + PP2, 1A, 3A, 3B, 6B, 10 credits for each session*