

Cultivating Cumberland

April - 2023

Vol. 28, Issue 4

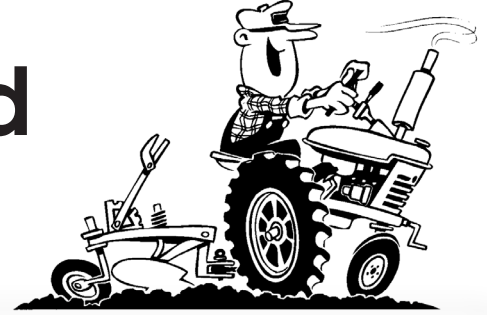


Table of Contents

South Jersey Tree Fruit Meeting	1
In-Person Pesticide Exams	2
Fruit and Vegetable Grower Feedback Needed	3
Coastal Project	4
New Rutgers Bulletin	4
Master Gardener Scholarship	5-6
The 2022 Census of Agriculture – There's Still Time To Be Counted!	7
Presence of highly pathogenic avian influenza (HPAI)	8
Pesticide Applicator Storage Inventory Submittal Due May 1	9
Calendar of Events	10
Regularly Scheduled Meetings	11

Attachments:

- Pesticide Storage Inventory and
Letter Don't Forget!
Due May 1st
- Harvest Sanitation Flyer
- Resources for NJ Licensed Private
Pesticide Applicators & Growers
- Rutgers Dean Report
- New Jersey Ag Tech Field Day
- Nursery & Landscape Pest Scouting
- Sign up for PPA Flyer

South Jersey Tree Fruit Meeting

April 6, 2023 at 7:00 PM

**Gloucester County Govt. Services Building:
1200 N. Delsea Drive, Bldg. # A, Clayton, NJ 08312**

7 pm: **Welcome. Notes from Colorado peach meeting: market updates, etc.**

Hemant Gohil, Gloucester County Agricultural Agent, Rutgers NJAES

Pesticide Safety and Regulations Update for 2023 (CORE)

George Hamilton, Ext. Specialist in Pest Management, Rutgers NJAES

Field observations from the IPM Program

Dave Schmitt, Fruit IPM Program Associate, Rutgers NJAES

Management of Peach Bacterial Spot: Timing Bactericide Sprays to Rainfall Events

Norman Lalancette, Ext. Specialist, Tree Fruit Pathology, Rutgers NJAES

Urea Nitrogen Fertilizer and Nickel Nutrition for Orchard Health

Joseph Heckman, Ext. Specialist in Soil Fertility, Rutgers NJAES & Alon Rabinovich, Postdoc Associate, Plant Science Department, Rutgers Uni

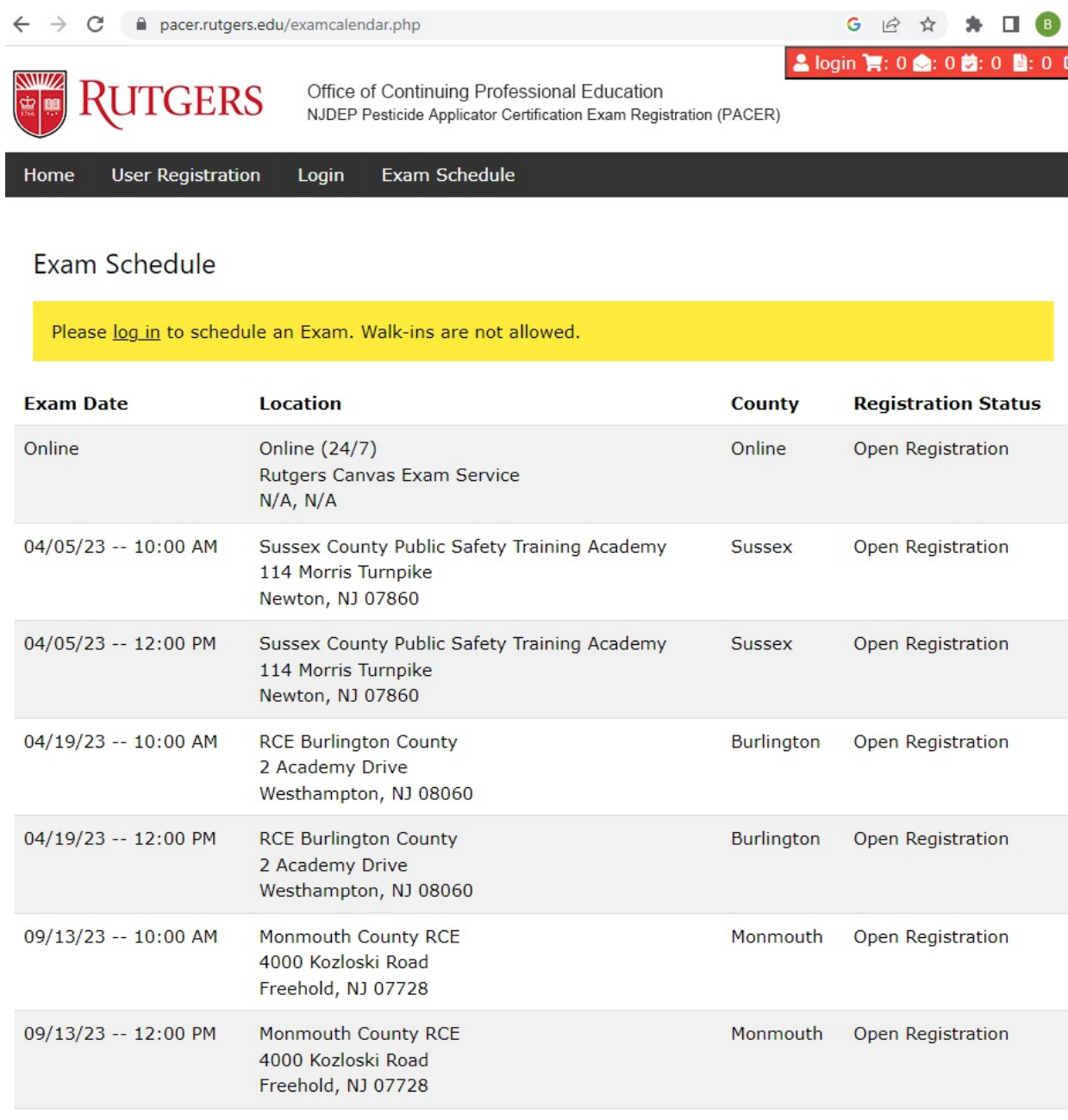
9 pm: **Pesticide re-certification credits application and Adjourn**
Pesticide Credits requested: CORE, 1A, PP2, 10

Light fare will be provided. Call Joan at jmedany@co.gloucester.nj.us or 856-224-8030 if you plan to attend. If additional assistance is needed, please get in touch with Hemant Gohil (Program Organizer) at 856-224-8029 before the meeting.

In-Person Pesticide Exams

Pat Hastings; March 15, 2023

The Rutgers Office of Continuing Professional Education has scheduled multiple opportunities to take pesticide exams before the growing season (excerpted & linked below) at the Pesticide Applicator Certification Exam Registration (PACER) webpage at <https://pacer.rutgers.edu/examcalendar.php>. If you prefer to take your exams in-person, April will be your last opportunity because the next scheduled in-person exam is not until September. Online exams are still available 24/7, but have minimum computer requirements.



The screenshot shows the Rutgers PACER website. The browser address bar displays pacer.rutgers.edu/examcalendar.php. The Rutgers logo is on the left, and the text "Office of Continuing Professional Education" and "NJDEP Pesticide Applicator Certification Exam Registration (PACER)" is on the right. A navigation bar includes links for Home, User Registration, Login, and Exam Schedule. Below the navigation bar, the "Exam Schedule" section is highlighted. A yellow banner states: "Please [log in](#) to schedule an Exam. Walk-ins are not allowed." Below this, a table lists exam opportunities.

Exam Date	Location	County	Registration Status
Online	Online (24/7) Rutgers Canvas Exam Service N/A, N/A	Online	Open Registration
04/05/23 -- 10:00 AM	Sussex County Public Safety Training Academy 114 Morris Turnpike Newton, NJ 07860	Sussex	Open Registration
04/05/23 -- 12:00 PM	Sussex County Public Safety Training Academy 114 Morris Turnpike Newton, NJ 07860	Sussex	Open Registration
04/19/23 -- 10:00 AM	RCE Burlington County 2 Academy Drive Westhampton, NJ 08060	Burlington	Open Registration
04/19/23 -- 12:00 PM	RCE Burlington County 2 Academy Drive Westhampton, NJ 08060	Burlington	Open Registration
09/13/23 -- 10:00 AM	Monmouth County RCE 4000 Kozloski Road Freehold, NJ 07728	Monmouth	Open Registration
09/13/23 -- 12:00 PM	Monmouth County RCE 4000 Kozloski Road Freehold, NJ 07728	Monmouth	Open Registration

Fruit and Vegetable Grower Feedback Needed on Produce Safety Costs, Needs, and Barriers

The Produce Safety Alliance (PSA) Team and personnel from the Northeast Center to Advance Food Safety (NECAFS) at the University of Vermont would like to understand the costs and the barriers of beginning or expanding food safety practices on farms and in packinghouses to make educational materials more relevant to fruit and vegetable growers and packers. To do this, we have developed a survey to collect food safety information from fruit and vegetable growers across the country.

What are the Goals of this Survey?

To understand:

- what steps growers have taken toward adopting food safety practices on their farm,
- the costs of adopting food safety practices (both one-time and reoccurring), and
- where growers have questions about food safety.

Why Should You Participate?

The detailed information that is provided will allow future educational materials to be tailored to specific challenges that growers are facing.

Who Should Participate?

We are looking for feedback from people involved in fruit and vegetable production and packing, including those who have and who have not adopted food safety practices. This survey should be completed by someone who has knowledge about the operation's produce safety practices (e.g., equipment, finances, supplies, training, market distribution, third-party audits).

Participation is voluntary and anonymous. It will take 10 – 30 minutes to complete the survey, depending on the farms' food safety practices.

By completing this survey, you can choose to be entered into a raffle to win a \$75 prepaid credit card. Ten participants will randomly be selected to win. The raffle will be held when the survey closes, approximately May 1st. If selected, you will be contacted to confirm your mailing address and acknowledge acceptance of the \$75 prepaid credit card.

Direct link to survey: https://qualtrics.uvm.edu/jfe/form/SV_agW9o6VWOUCivCC

Please contact Elizabeth Newbold at elizabeth.newbold@uvm.edu with any questions. Thank you for helping to inform the national food safety landscape.

This work is supported by the Food Safety Outreach Program grant no. 2021-70020-35497 from the USDA National Institute of Food and Agriculture. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the authors and do not necessarily reflect the view of the U.S. Department of Agriculture.

COASTAL PROJECT

Conservation Opportunities Advancing Sustainable Technologies for Aquaculture Leases

Are you a shellfish aquaculture producer on NJ's Atlantic Coast interested in helping to restore oyster reefs? Then please join us at one of the following sessions to learn more about this conservation opportunity!

**Wednesday April 26th at
6:00pm in Waretown**

Lighthouse Center for Natural Resources Education
corner of 7th St. and Navajo Drive



**Saturday April 29th at
10:00am in Holgate**

Long Beach Township Marine Education Field Station
127 West Osborn Ave.



**Wednesday May 3rd at
6:00pm in Mays Landing**

Cape Atlantic Conservation District
6260 Old Harding Hwy. #2

**To register please contact Kristin Adams, COASTAL Project
Coordinator at kadams@soildistrict.org or 609.991.1455**



New Rutgers Bulletin

The following new bulletin is now available on NJAES Publications:

- E374 Emerging Diseases of Hemp in New Jersey (Rutgers NJAES)
Rajmohan, N.; Komar, S.; Bamka, W.; Buckley, R.; Brown, K.; Infante-Casella, M.;
Cabrera, R.; Gianfagna, T.; Simon, J.; Wyenandt, A.
Find it online at <https://njaes.rutgers.edu/e374/>



2023 Rutgers Master Gardeners of Cumberland County Scholarship

Kaylynn Hyson; March 2, 2023

Goal: To recognize four graduating seniors who are furthering their education in agricultural studies or a related field (as defined in the guidelines below) with an award of \$500.

Deadline for application is April 15, 2023. The winner will be notified by May 15, 2023.

The applicant must be a resident of Cumberland or Salem County, New Jersey.

The award will be based on a personal statement. Cumulative grade point average will be considered, but not the sole basis for the award.

Essay prompt:

Identify your intended area of study: agricultural technology, farming, forestry, environmental science, animal husbandry or a related field.

Describe the experience, class or person who first piqued your interest. How did you follow up on the interest? For example, did you take a class, find a related job, participate in a volunteer project or did you undertake a project of your own such as gardening or research? Or are you an individual who can forge ahead on your own? If so, please describe how you have demonstrated your interest in the field. Finally, describe your plan for the upcoming college years and how you envision using knowledge gained to make that dream a reality. What are your post-college goals?

Read the prompt several times to ensure that you address all points.

Write a minimum of five hundred words but no more than three typed pages. Your essay must be written in coherent sentences and paragraphs and fully explain your ideas. Please check spelling and grammar.

The Rutgers Master Gardeners of Cumberland County wishes you much success in the pursuit of your goals.



2023 Rutgers Master Gardeners of Cumberland County Scholarship

Name:	Date of Birth:
Address:	
High School:	
Phone Number:	
Email Address:	
College or University you wish to attend	
Major:	Minor:
Cumulative Grade Point Average:	

By April 15, please submit application and personal statement to:

Rutgers Master Gardeners of Cumberland County

Attention: Kaylynn Hyson

291 Morton Avenue

Millville, NJ 08332

Or email to:

kaylynnhy@cumberlandcountynj.gov

The 2022 Census of Agriculture – There's Still Time To Be Counted!

Nick Polanin; March 13, 2023

New Jersey farmers still have time to be counted in the 2022 Census of Agriculture, according to the U.S. Department of Agriculture's (USDA) National Agricultural Statistics Service (NASS). Although the deadline for submitting the ag census has just passed, NASS will continue to accept completed census questionnaires through the spring to ensure all farmers and ranchers take advantage of the opportunity to be represented in the widely used data.

"My sincere appreciation goes to producers who have already completed the census. We want to partner with New Jersey producers to show the importance of New Jersey agriculture," said NASS New Jersey State Statistician Bruce Eklund. "There is strength in numbers. The time to do your part is now. There is still time for farmers to respond."

NASS will continue to follow up with producers throughout the spring with mailings, phone calls, and personal visits. Farmers and ranchers are encouraged to complete their ag census either online at agcounts.usda.gov or by mail as soon as possible.

Federal law under Title 7 USC 2204(g) Public Law 105-113 mandates that everyone who received the 2022 Census of Agriculture questionnaire complete and return it, even if they are not currently farming. The same law requires NASS to keep all submissions confidential, use the information for statistical purposes only, and publish aggregate data to prevent disclosing the identity of any individual producer or farm operation.

If you need a survey code or questionnaire, please contact the USDA, NASS Northeastern Regional Field Office, 4050 Crums Mill Rd., Suite 203, Harrisburg, PA 17112; Phone – 717-787-3904; Fax – 1-855-270-2719; or Email – nassrfo@usda.gov

NASS will release the results of the ag census in early 2024. To learn more about the Census of Agriculture, visit nass.usda.gov/AgCensus

On the website, producers and other data users can access frequently asked questions, past ag census data, special study information, and more. For highlights of these and the latest information, follow USDA NASS on Twitter at [@usda_nass](https://twitter.com/usda_nass).

Presence of highly pathogenic avian influenza (HPAI)

February 10, 2023

The United States Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) has confirmed the presence of highly pathogenic avian influenza (HPAI) in commercial and backyard flocks throughout the country. Currently 47 states in the United States have been affected over the last year. The virus remains present in wildlife and has been detected in many states, most on the Atlantic flyway. As HPAI continues to spread across the United States, poultry owners are urged to review their biosecurity practices and remain on alert for HPAI in their flock.

HPAI is highly contagious and often fatal in domestic poultry species. No human cases of these avian influenza viruses have been detected in the United States. According to the U.S. Centers for Disease Control and Prevention, the recent HPAI detections in birds do not present an immediate public health concern. As a reminder, poultry and eggs' proper handling and cooking to an internal temperature of 165 °F kill bacteria and viruses.

Signs of HPAI in poultry can include:

- Sudden death
- Decrease in feed or water consumption
- Swelling around the eyes
- Respiratory signs such as coughing, sneezing, nasal discharge
- Reddening of the shanks or feet
- Open-mouth breathing
- Darkening of the comb/wattles
- Decreased egg production
- Lethargy

HPAI spreads through contact with bodily secretions, including feces and ocular, nasal, or oral secretions from infected birds. The virus can be spread on vehicles, equipment, shoes, etc. Practicing good biosecurity can help prevent the spread of HPAI onto your farm.

- Eliminating exposure of domestic birds to wild birds. Minimize standing water and extra feed in the environment that might attract wild birds.
- Avoid contact with other poultry.
- Keep a specific set of shoes and clothing for tending your poultry. You may also consider disposable boot covers or a foot bath that is changed regularly.
- Minimize the number of people who visit your birds.
- Avoid sharing equipment with other flocks. Use appropriate disinfectants for equipment that must come onto a farm.
- Obtain new birds from Avian Influenza tested flocks only.

HPAI is a reportable disease. Any individual who shall gain knowledge or suspect the existence of the disease shall notify this office without delay. Deceased birds should be double-bagged and stored at refrigerated temperatures for testing. Do not expose dead poultry to the environment, other poultry, or wildlife/wild birds. Wash your hands after handling sick or dead birds.

If you suspect HPAI, please alert the New Jersey Department of Agriculture, Division of Animal Health at 609-671-6400. For additional information about the disease and outreach materials, please see <https://www.nj.gov/agriculture/divisions/ah/>

Pesticide Applicator Storage Inventory Submittal Due May 1

In New Jersey, all licensed pesticide applicators who store pesticides are required per N.J.A.C. 7:30-9.5 to **maintain a list of the pesticides stored** or likely to be stored during the license year. A storage inventory should be kept separate from the actual storage area. See attached for a template form that meets the requirements for a single storage location address. The purpose of the inventory is to provide local fire departments with an accurate description of things stored by location in case of fire or other emergency. We suggest filling out a form per storage address of your establishment. You may also devise a form that suits your needs if it meets the requirements of N.J.A.C. 7:30-9.5.

All licensed pesticide applicators who store pesticides are required by law to **send a copy of their storage inventor(ies) with an explanatory cover letter to the local fire company** along with a description and/or diagram of the actual location of each storage area. Specifically, NJDEP regulations provide; "The cover letter shall explain that this list has been sent pursuant to N.J.A.C. 7:30-9.5(b).4". See attached for a template submittal letter that meets the requirements.

Submittal to the fire department is required **annually by May 1st of each year**. (This does not pertain to pesticides stored for personal use, or to those storing pesticides at loading or application areas for less than 7 days.) Applicators must keep the cover letter on file for a minimum of three years and should have it available for NJDEP upon request.

New Jersey regulations also specifically require a written description or diagram depicting the exact location of the area on the property where the pesticide is stored.

Pesticide Storage cover letter and inventory list examples are attached to this newsletter.

Calendar of Events

- Indicates a newly added event
- ◇ Indicates a Webinar

• **April 12**

- ◇ **Retraining and Upskilling Workers on Produce Safety Best Practices**; FREE; 12:00PM- 1:00PM; Connect with a computer, cell phone app, or by calling in! Link to join will be emailed a few days prior to the class; At the end of the webinar participants will: Understand how to verify training is working, Discern what training is required for different employees, Develop a process for training folks on your farm.; Deadline to register is April 7; Go to <https://go.rutgers.edu/kcx1n6bj>

May 8-11

Food Safety Summit; Donald E Stephens Convention Center, Rosemont, IL; The Food Safety Summit is a solution-based conference and expo designed to meet the educational and informational needs of the entire food industry. The Summit provides a 3-day comprehensive educational program to learn from subject matter experts, trainers, exchange ideas and find solutions to your current job challenges; Find more information and register online at <https://www.food-safety.com/food-safety-summit>

• **July 4- 8**

Cumberland County Fair; 3000 Carmel Rd., Millville, NJ 08332; Fun filled, family-friendly event that has been a summer staple for generations and attended by thousands from throughout the state. A demolition derby, amusement rides, all the tastes of a county fair, roaming entertainment, merchandise vendors and local 4-H exhibits, animals and activities. Interested in being a vendor and sponsor, go to cumberlandcofair.com

• **July 24- August 18**

Grape and Wine Science Certificate Program; NJ Institute for Food Nutrition & Health, Room 205, 61 Dudley Rd., New Brunswick, NJ 08901; This program will provide foundational knowledge in three major areas of grape and wine science – grape growing, wine making, and business operations – following the path of grapes from the field to the winery to the glass. The program will feature 4 weeks of classroom instruction, complemented by hands-on workshops; Find more information and register online at <https://cpe.rutgers.edu/food-science-safety/grape-and-wine-science-certificate>

September 25-27

Florida Fruit & Vegetable Association Annual Convention Ritz Carlton Hotel Naples, FL; Find more info at www.ffva.com/page/convention

• **September 27**

From the Ground Up: Produce Safety Planning for Beginning Growers; Rutgers Cooperative Extension of Mercer County, 1440 Parkside Ave., Ewing, NJ 08638; 10AM-2PM; \$30.00 each; Lunch provided; Gain basic understanding of Food Safety Culture and why it is important, five things growers can do right away on their farm to reduce risk, cleaning and sanitizing, and key points of FSMA: PSR the growers need to know; Find more info and register at <https://go.rutgers.edu/kcx1n6bj>

• **October 18**

- ◇ **From the Ground Up: Online Food Safety Plan Writing Workshop**; Online Food Safety Plan Writing Workshop; Work through the components of a food safety plan with our help from your home office! By the end of this class you will have a draft plan and a more robust food safety program for your farm; \$15.00 per person; Any questions contact Jenn Matthews at jmatthews@njaes.rutgers.edu; Register online at <https://go.rutgers.edu/kcx1n6bj>

Inventory Cover Letter for Local Fire Company

Date: _____

To: _____ Fire Department

From: _____

To Whom It May Concern:

Enclosed with this letter is a list of the pesticides I currently have stored or may store during the coming year. I am required by the New Jersey Department of Environmental Protection Pesticide Control Program regulation N.J.A.C. 7:30-9.5(b) to provide this list to the local fire department by May 1st each year.

My pesticide storage facility is located at:

The exact location of the storage area on the above property is (*either written description or diagram*):

Thank you for your time on this matter. Please contact me at _____ if you have any questions.

Sincerely,

Pesticide Storage Inventory List

Name or Establishment: _____

Date Updated: _____

Brand Name	EPA Registration Number	Active Ingredient(s)	Amount

HARVEST SANITATION

It's more
than
hopes
and
dreams



Thursday
April 6th

Webinar and Q&A
3:30pm – 5:00pm ET
12:30pm – 2:00pm PT

REGISTER IN ADVANCE

TO ATTEND

contactproducesafety.ifas.ufl.edu

Let's #MakeCONTACT | @ps_sci



1. **Rutgers University New Jersey Agricultural Experiment Station (NJAES)**
Cooperative Extension website: <https://njaes.rutgers.edu/>. NJAES Fact Sheets and publications are available online and updated routinely at <https://njaes.rutgers.edu/pubs/>. The **2022 Mid-Atlantic Commercial Vegetable Recommendations E001**. Pesticide Sections of the Mid-Atlantic Veg Recs were wholly revised in 2020 and updated for 2022. The **2023 Rutgers New Jersey Commercial Tree Fruit Production Guide E002** Pesticide Safety Section was updated with the 2020 NJ regulation revisions; Tree Fruit Production revision will be released shortly.
2. **Rutgers University NJAES Plant & Pest Advisory:** <https://plant-pest-advisory.rutgers.edu/>. Timely seasonal updates focusing on insects, diseases, and weeds of importance to NJ Commercial Growers & Nursery/Landscape/Ornamental/Turf. **FREE**. Subscribe by email or RSS.
3. **Rutgers NJAES Pest Management Office:** (848) 932-9802. **ENROLL IN BLOG**.
 - a. **Pesticide Safety Education Program:** <https://pestmanagement.rutgers.edu/PAT/>. **GOOGLE "RUTGERS PSEP"**
 - Pesticide Applicator Certification & Licensing Requirements
 - Training Manuals **online ordering** now available with delivery to your home or business
 - Pesticide Applicator Certification Exam Access
 - Pesticide Applicator Recertification Training
 - Pesticide Record Keeping (templates in Word, Excel, or pdf)
 - Pesticide Spill Report Cards
 - b. **Worker Protection website:** <https://pestmanagement.rutgers.edu/worker-protection/>. Created for growers and their employees on the 2015 revised Worker Protection Standard. **FREE**. Pesticide Applicator Certification & Licensing Requirements
 - Rutgers "Quick Connect" for **WPS videos for both handlers & workers in both English & Spanish**.
 - Downloadable WPS Pesticide **Safety Training rosters in Word & pdf**.
4. **New Jersey Department of Environmental Protection:**
 - a. N.J.A.C. 7:30 State pesticide regulations were revised April 6, 2020. Govern the manufacture, distribution, and use of pesticides in New Jersey; see <https://www.nj.gov/dep/enforcement/pcp/pcp-regs.htm> Subchapter 8 Private Pesticide Applicator Certification & Licensing; Subchapter 9 Exposure Management; and Subchapter 12 Worker Protection (including revisions for parity with federal WPS).
 - b. **Licensing & Registration:** <https://www.state.nj.us/dep/enforcement/pcp/bpo.htm>. Private Applicator links for paying zero invoice online. Check your credit history online. List of registered beekeepers.
 - c. **NJDEP DataMiner** web portal at <https://www.nj.gov/dep/enforcement/pcp/pcp-online.htm> provides online license fee payment and reports for applicators, operators, dealers, and businesses (e.g., recertification courses, license, or certification status); also lists of registered pesticides.
 - d. **NJDEP Worker Protection Unit** webpage at <https://www.state.nj.us/dep/enforcement/pcp/pcp-wps.htm>. Templates for Worker & Handler Training Rosters/Records; WPS Trainer Verification Form. For specific questions about NJDEP's implementation of the revised WPS, please contact Nancy Santiago, Supervisor of the Worker Protection Unit at 609-984-6568, or contact her by email at pcp@dep.nj.gov.
 - e. Search for **NJ pesticide registrations** at <http://www.kellysolutions.com/NJ/>.
 - f. NJDEP **General information:** 609-984-6507. **Spill report** (reportable spills): **1-877-WARNDEP**.
 - g. The **Pesticide Applicator Certification Exam Registration (PACER)** system is the NJDEP's approved third party exam administration system managed by the Rutgers NJAES Office of Continuing Professional Education (OCPE). This online exam application portal is located at <https://pacer.rutgers.edu>. Set up account and apply for exams 24/7. When you create an online account, you will have an online "Dashboard" to track your exam(s).

Payment for exams is required prior to approval; approval turnaround is approximately 48 hours. The fee to take the Private applicator exam is \$50 each; commercial applicator CORE and category exams are \$115 each. Payment by credit card, electronic checking, or Purchase Order.

Pesticide exams may now be taken online 24/7. See in-person exam schedule at PACER website. Exams have a maximum time allotment of 1 hour 45 minutes. **OCPE contact is Jill Sullivan;** pacer@njaes.rutgers.edu. Phone: 848-932-7443 or 848-932-9271 Option 7. Fax: 732-932-4546. Hours of operation: Monday-Friday, 8 AM-4 PM.

5. **New Jersey Department of Agriculture Division of Agricultural and Natural Resources: Agricultural Recycling Programs - Pesticide container disposal** is offered to agricultural, professional, and commercial pesticide applicators who hold a NJDEP pesticide license. **One core credit** will be given to pesticide license holders who follow required processing steps and bring their license with them at time of collection. The program accepts non-refillable, high-density polyethylene #2 (HDPE) containers that are no larger than 55 gallons and that have been triple rinsed. For more details on recycling requirements, scheduling, and locations, see the NJDA webpage at <https://www.nj.gov/agriculture/divisions/anr/nrc/recycling.html>. *2023 dates just released:*
 - Helena Hammonton- 4/14, 5/12, 6/16, 7/14, 8/11, 9/15, 10/13
 - Helena Woodstown- 4/21, 5/19, 6/23, 7/21, 8/18, 9/22, 10/20
 - Rutgers Cream Ridge- 4/28, 5/26, 6/30, 7/28, 8/25, 9/29, 10/27
6. **New Jersey Pesticide Information and Education System.** The designated regional Poison Control Center with a national number: (1-800-poison1)/ (1-800-222-1222). Website: <https://www.njpies.org/>.
7. **Pesticide Safety Data Sheets (SDS) for Revised Worker Protection Standard:** CDMS at <http://www.cdms.net/LabelsSDS/home>; and Agrian: <https://home.agrian.com/>. See also pesticide manufacturer websites under #8 below.
8. **National Pesticide Information Center (NPIC)** provides general and technical information about pesticides; see home page at <http://npic.orst.edu/index.html>. *See also their comprehensive list of pesticide manufacturers to request specific pesticide product information:* <http://ace.orst.edu/info/npic/manuf.htm>.
9. **Pesticide Educational Resources Collaborative (PERC)** - develops or coordinates the development of pesticide education resources with online access at <http://pesticideresources.org/index.html>. Houses both EPA-approved and non-approved resources. See #3 Rutgers PSEP for EPA-approved "Quick Connect" WPS training videos.
10. **National Pesticides Safety Education Center (NPSEC)** - <https://npsecstore.com/pages/perc-page>. Online store for pesticide publications including EPA 2015 Revised WPS manuals, DVDs, thumb drives, bundles, and **laminated Pesticide Safety Information posters for the Central Posting Area**. Multi-lingual resources.
11. **EPA Pesticides Homepage** at <https://www.epa.gov/pesticides>. **REVISED EPA Pesticide Poisoning Handbook** 'Recognition and Management of Pesticide Poisonings 6th Edition' downloadable from <https://www.epa.gov/pesticide-worker-safety/recognition-and-management-pesticide-poisonings>.
12. **EPA Office of Pesticide Programs** 'Pesticide Chemical Search' webpage for conventional, antimicrobial, and biopesticide active ingredients; see <https://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>. Has label product label search function <http://iaspub.epa.gov/apex/pesticides/f?p=PPLS:1>.
13. **The Sixth Annual National Pesticide Safety Education Month – February 2023.** Always follow all federal and state laws and policies regarding educational content and trainer credentials. The purpose of National Pesticide Safety Education Month is to reinforce core principles of safe pesticide use with many audiences and raise awareness of and support for the land-grant university Pesticide Safety Education Programs (PSEPs). <https://pesticidestewardship.org/national-pesticide-safety-education-month/>. <https://twitter.com/pesticidesafete>

**NATIONAL
PESTICIDE
SAFETY
EDUCATION
MONTH**

March 2023

NJDA and RCE Launch Comprehensive Urban Agriculture Strategies Report and Web Portal



Garden at the Center for Environmental Transformation in Camden, NJ.

New Jersey Department of Agriculture (NJDA) and Rutgers Cooperative Extension (RCE) Office of Urban Extension and Engagement [announced the new Urban Agriculture Strategies for the State of New Jersey Report and launched the associated web portal](#). Both the [portal](#) and [the report that frames the Garden State's challenges and opportunities](#) were developed as a partnership among NJDA, RCE, urban farmers, growers, and other stakeholders engaged in urban agriculture advocacy, preservation, resources, and policy. Several case studies in the report demonstrate the variety of pathways that the Garden

State can take to create greater food security for its residents. [Rutgers Office of Urban Extension and Engagement](#) is focused on serving constituents in urban agriculture and working with community partners to identify significant urban agricultural sites across the state.

Inaugural Rutgers Shellfish Research Symposium Brings Together Growers and Researchers

The [inaugural Rutgers Shellfish Research Symposium](#), in partnership with the New Jersey Aquaculture Association and the [Haskin Shellfish Research Laboratory](#), was held on January 18 at the NJAES Jacques Cousteau National Estuarine Research Reserve. The symposium was organized by **Michael DeLuca**, director of the [Rutgers Aquaculture Innovation Center](#), and Michael Acquafredda, (GSNB'19) a Rutgers graduate of the doctoral program in Ecology and Evolution, who currently serves as a postdoctoral research associate with the National Oceanic and Atmospheric Administration. The symposium was an opportunity for more than 45 New Jersey shellfish growers, resource managers, grant funders, students and conservation groups to connect directly with researchers studying aquaculture and shellfish ecology in the state. Key priorities included the potential avian impacts on floating gear, advances in culture of shellfish for habitat restoration, genetics to improve survival of hard clams and future workforce development.

Six-Week Annie's Project Training for New Jersey Women Farmers

Rutgers Cooperative Extension (RCE) completed its training course, "Annie Goes Online: Risk Management On Your Kitchen Table," held via Zoom from January 11 through March 1. The six-week course is part of RCE's [Annie's Project New Jersey](#), which was launched in 2011 to educate and train new, aspiring, and current farm women on risk management strategies and provide tools for successful business management. The course covered the five areas of farm risk: Production, Marketing, Financial, Legal, and Human. It also covered topics specific to urban farming, which include short-term leases, soil quality and contaminants (lead and other heavy metals), access to land, capital and resources, identifying water resources, right-to-farm issues, climate change impacts, food safety issues, and hydroponic farming as a solution to the challenges of soil contamination and water availability.

Of Interest

The following new fact sheets are available on [NJAES Publications](#):

[FS1352: Share Tables: An Easy Way to Reduce Food Waste and Alleviate Food Insecurity](#)

Shukaitis, J., Elnakib, S., and Rowe, A.

[E374: Emerging Diseases of Hemp in New Jersey](#)

Rajmohan, N.; Komar, S.; Bamka, W; Buckley, R.; Brown, K.; Infante-Casella, M.; Cabrera, R.; Gianfagna, T.; Simon, J.; and Wyenandt, A.

Carol Byrd-Bredbenner, Distinguished Professor of Nutritional Sciences and director of the graduate program in Nutritional Sciences, [was one of 20 nationally recognized scientists appointed to serve on the 2025 Dietary Guidelines Advisory Committee](#) by the U.S. Department of Health and Human Services and U.S. Department of Agriculture. The Dietary Guidelines serve as the foundation for national nutrition programs, standards, and education in the U.S.

A new [Agricultural Products website](#) has been launched to showcase Rutgers long and proud history of breeding agricultural crops, with improved qualities, to meet the needs of select industries. The website features a wide variety of agricultural products, including cranberries, dogwoods, basil, hazelnuts, and turfgrass. The comprehensive website was developed through a joint collaboration among NJAES, Rutgers Research Communications, and Innovation Ventures, the unit of Rutgers Research that is dedicated to transforming university research into “products, services, and partnerships for the public good, and generating value for the university and New Jersey.”

New Jersey-based clean-tech company, Princeton NuEnergy Inc. (PNE), incubated at the **Rutgers EcoComplex** in Bordentown, [was awarded a \\$12 million grant from the U.S. Department of Energy](#). Since the beginning of its innovation journey in 2019 to recycle, repurpose, and commercialize lithium-ion battery materials, PNE has been supported at the EcoComplex, NJAES’ business incubator for clean energy and environmental innovations.

An [important supplement](#) is available for the [2022-2023 Mid-Atlantic Commercial Vegetable Production Recommendations](#), found on the NJAES publications webpage.

Grants

Rutgers On-Farm Food Safety Team: **Meredith Melendez**, agricultural agent (Mercer County), **Wesley Kline**, agricultural agent, and **Jennifer Matthews**, senior program coordinator, (Cumberland County), were awarded a three-year, \$400,000 grant from USDA National Institute of Food and Agriculture for the project, “Planting the Seeds: Teaching the value of food safety to new and beginning farmers,” which seeks to empower growers on small and medium farms to achieve early success in food safety.

The Rutgers team of **Brian Schilling, Stephen Komar, James Simon, William Bamka, Thomas Gianfagna, Nimmi Rajmohan, Qingli Wu, Raul I. Cabrera, and C. Andrew Wyenandt** were awarded a one-year grant of \$300,000 from the New Jersey Department of Agriculture for the project, “New Jersey Hemp for Fiber Production, Processing and Commercialization.” The research for this project is focused on evaluating industrial hemp varieties at three NJAES farms: Clifford E. & Melda C. Snyder Research & Extension Farm (Pittstown), Rutgers Agricultural Research and Extension Center (Bridgeton), and Rutgers Specialty Crop Research and Extension Center (Cream Ridge).

Rutgers New Jersey Agricultural Experiment Station is an equal opportunity program provider and employer.

NEW JERSEY AG TECH FIELD DAY

**THURSDAY
APRIL 20, 2023
11AM - 6PM**

**2575 DANTE AVE
VINELAND, NJ**



PlantTape®
automated transplanting system



STOUT
MACHINES THAT GROW MARRONS



DAY OF SCHEDULE

11AM
GREENHOUSE
TOURS

12PM
LUNCH

1PM
PLANTTAPE
LETTUCE PLANTING



2PM
STOUT SMART CULTIVATOR
DEMONSTRATION

3PM
PLANTTAPE
CABBAGE PLANTING



4PM
STOUT SMART CULTIVATOR
DEMONSTRATION

5PM
PLANTTAPE
LEEK PLANTING



EVENT COOPERATORS



2575 DANTE AVE
VINELAND, NJ
856-207-1258



**CENTRAL
JERSEY**
EQUIPMENT

670 ROUTE 40
ELMER, NJ
856-358-2880



854A NORTH MAIN RD
VINELAND, NJ
856-692-6218

FOR MORE INFORMATION: PLANTTAPE.COM | 856-630-7768 | DOMINICKLEVARI@PLANTTAPE.COM

RUTGERS

New Jersey Agricultural
Experiment Station

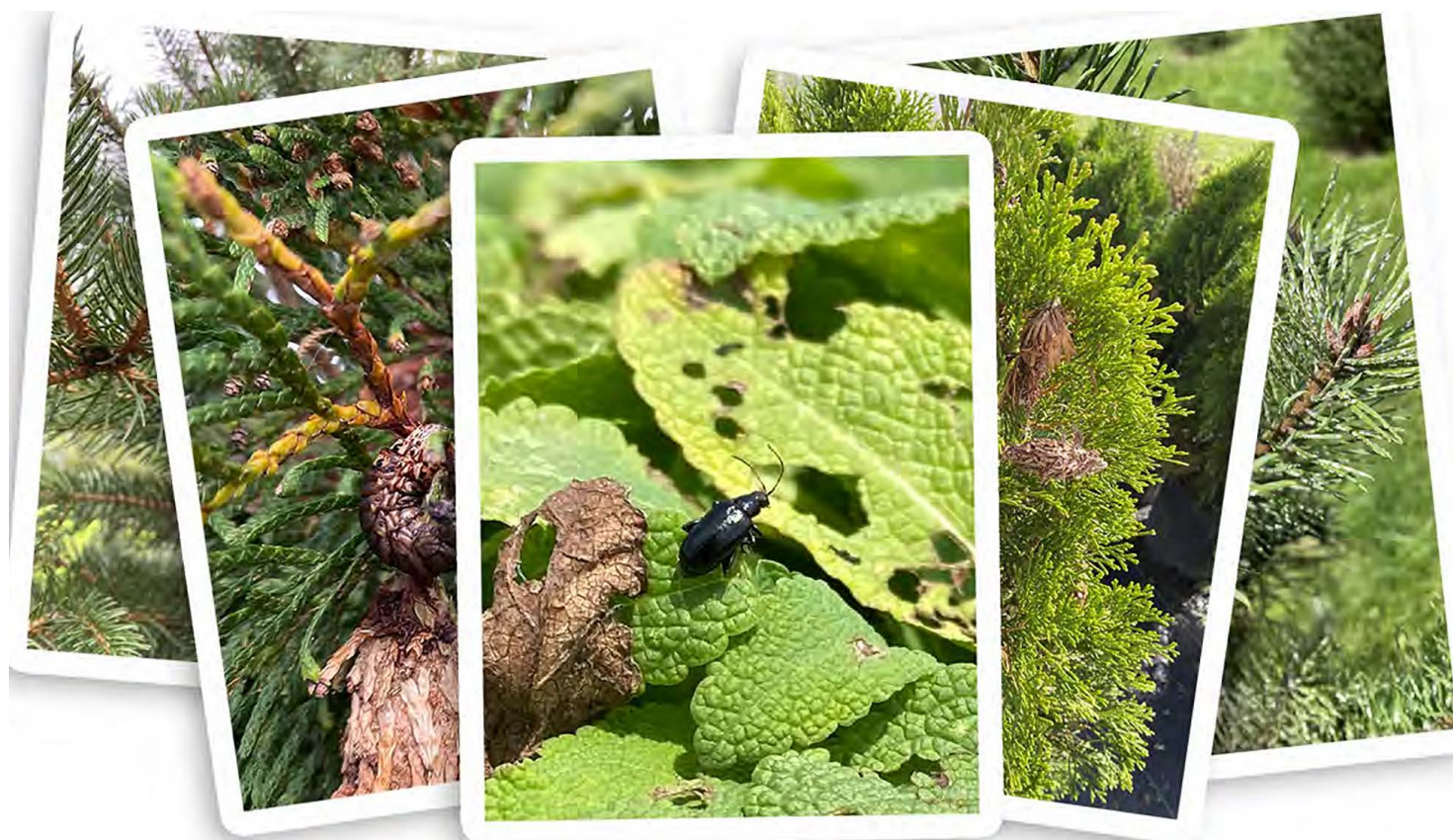
Online version >



Beta-version 2023

Contact: twaller@njaes.Rutgers.edu

Nursery & Landscape Pest Scouting Scouting with growing degree-days



Rutgers Green Industry Working Group

Contact: Timothy Waller, Ph.D.

twaller@njaes.Rutgers.edu

Scan here to

Report pest GDD deviations

Comment on observations

Share pest / plant photos



WE **R** HERE WHEN YOU NEED US

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County 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.

RUTGERS

New Jersey Agricultural
Experiment Station
COOPERATIVE EXTENSION
CUMBERLAND COUNTY

HAVE YOU SIGNED UP FOR **PLANT & PEST ADVISORY** UPDATES YET?

PLANT & PEST ADVISORY

A RUTGERS COOPERATIVE EXTENSION PUBLICATION

Scan
me
→



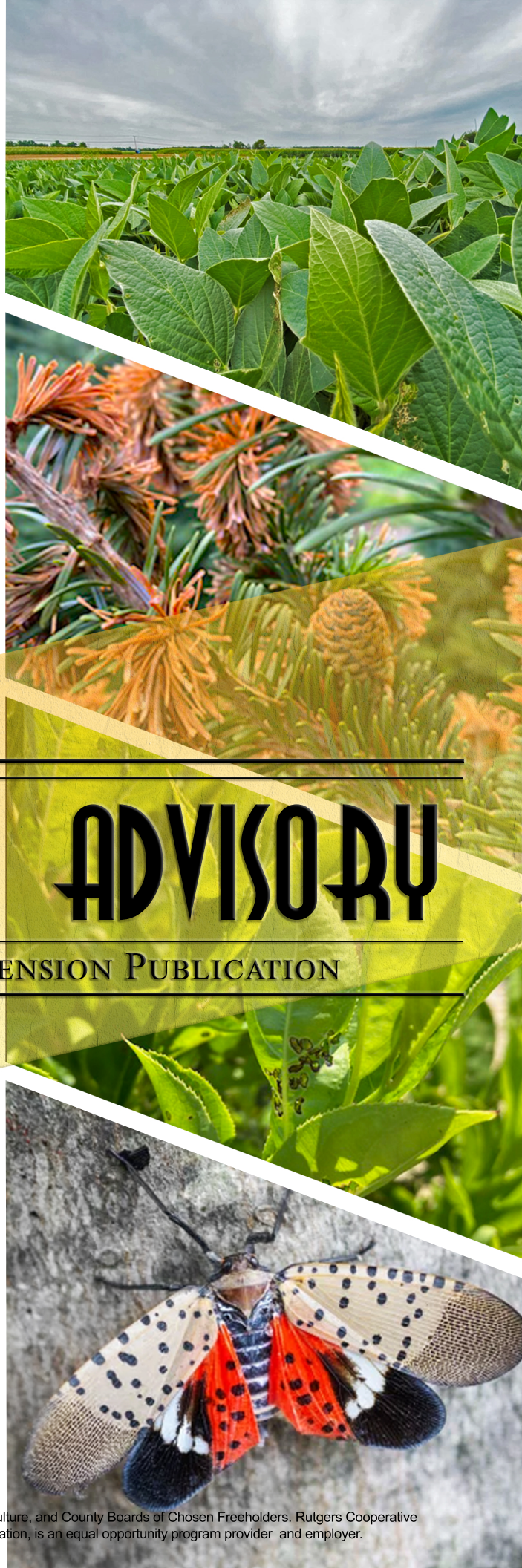
[HTTPS://GO.RUTGERS.EDU/TEK8NZC](https://go.rutgers.edu/tek8nzc)

CONTACT: DR. TIMOTHY WALLER

(856) 451-2800 x2 TWALLER@NJAES.RUTGERS.EDU

WE **R** HERE WHEN YOU NEED US

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



Regularly Scheduled Meetings

Pesticide Credit Exams

Virtual testing available.

Sign-up, exam schedule,
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

Meetings are held on the 3rd
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

Chair: Al Caggiano, Jr

Commissioner Liaisons:
Victoria Groetsche-Lods

Cumberland County Board of Agriculture

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

Next meeting
April 20, 2023

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

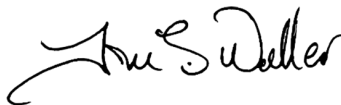
President: Keith MacIndoe

Commissioner Liaisons:
1. Victoria Groetsche-Lods
2. Joseph Sileo
Alt. John Capizola Jr.

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



Since 1915

NONPROFIT ORGANIZATION

U.S. POSTAGE PAID

VINELAND, NJ

PERMIT NO. 186

Cooperative Extension of Cumberland County
Extension Education Center
291 Morton Avenue
Millville, NJ 08332-9791

RUTGERS
New Jersey Agricultural
Experiment Station