

Cultivating Cumberland

February- 2023

Vol. 28, Issue 2

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- Food Safety Cert. for Specialty Crops
- Stockton Maple Syrup Seminar
- Central Jersey Turf & Ornamental Institute
- Ag Technology Breifing
- 2023 Ag Convention Schedule

Water Certification Renewals

Wes Kline

The New Jersey Department of Environmental Protection (DEP) Bureau of Water Allocation will be in our office (291 Morton Ave., Millville, NJ 08332) on March 2 and 3 from 9:00-12:00 to help growers fill out their renewals.

Each certification must be renewed every 5 years to maintain your right to pump water for agricultural usage. DEP will contact growers whose certification is due or past due so they can schedule an appointment.

Remember to bring your water use report for the last month irrigated. It does not matter when you used the water source. They want to see how you are keeping records.

Annual Water Use Reportd for Agriculture Certifications and Registrations

The DEP will be generating the Annual Water Use Report forms for Agricultural Registrations and Certifications. You should have recieved the form by mail or email. These forms report monthly water use for 2022 and are due by February 28, 2022.

This are the same annual report forms the certification/registration holders receive every year. They also receive instructions to file these reports online if they wish. If not, returning the completed paper forms is fine.

Note: See the attached fact sheet for more details. The closing reporting date for 2022 is January 31, 2023, but contact your local FSA office for a possible extension! – Wes Kline

Food Safety Certification for Specialty Crops Program

Did your specialty crop operation recently incur on-farm food safety program expenses related to obtaining or renewing a food safety certification in calendar years 2022 or 2023? You may be eligible for financial assistance through USDA's Food Safety Certification for Specialty Crops Program (FSCSC).

USDA's Farm Service Agency will accept FSCSC applications for calendar year 2022 from June 27, 2022, through January 31, 2023. The application period for calendar year 2023 runs from February 1, 2023, through January 31, 2024.

How the Food Safety Certification for Specialty Crops Program Works

The FSCSC program provides financial assistance for specialty crop operations that incur eligible on-farm food safety program expenses related to obtaining or renewing a food safety certification in calendar years 2022 or 2023. This program helps offset costs to comply with regulatory requirements and market-driven food safety certification requirements.

For each year, FSCSC will cover a percentage of the specialty crop operation's cost of obtaining or renewing their certification, as well as a percentage of their related expenses.

Program Eligibility

Eligibility requirements for FSCSC applicants are outlined below. We recommend you review these requirements before initiating your FSCSC application.

To be eligible for FSCSC, an applicant must:

- Have obtained or renewed a:
- 2022 food safety certification that was issued between June 21, 2022 and December 31, 2022; or
- 2023 food safety certification issued during the 2023 calendar year, and
- Have paid eligible expenses. Expenses that have been incurred by the applicant, but have not yet been paid, will not be eligible.
- Be a specialty crop operation; and meet the definition of a small business or very small business.
- A small business means an applicant that had an average annual monetary value of specialty crops the applicant sold during the 3-year period preceding the program year of more than \$250,000 but not more than \$500,000.
- A very small business means an applicant that had an average annual monetary value of specialty crops the applicant sold during the 3-year period preceding the program year of no more than \$250,000.
- Be located in the 50 United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the U.S. Virgin Islands, and the Commonwealth of the Northern Mariana Islands.
- Ineligible expenses include infrastructure improvements, equipment, supplies, salaries and benefits, and fees or penalties for late payment.

Continued on next page

Eligible Expenses

Specialty crop operations that obtain food safety certification through a group model under a food safety management system are eligible to apply for assistance for their share of eligible expenses paid by the group, in addition to any eligible expenses they incur individually. If requested by the Farm Service Agency, specialty crop operations certified as part of a group under a food safety management system must provide documentation of the applicant's portion of the group's expenses from the entity responsible for maintaining the group's certification.

FSCSC payments are calculated separately for each category of eligible costs based on the percentages and maximum payment amounts as described in the sections above. Applicants must report any previous cost share assistance received for the expenses included on their application.

The Farm Service Agency will issue payments for program year 2022 following approval of the application. For program year 2023, payments will be issued after the end of the application period. USDA may prorate 2023 final payments if calculated payments exceed the amount of available funding.

Apply for the Food Safety Certification for Specialty Crop Program

The FSCSC application period for calendar year 2022 will be June 27, 2022, through January 31, 2023. The application period for calendar year 2023 runs from February 1, 2023, through January 31, 2024. Eligible specialty crop operations can apply for FSCSC by working directly with the Farm Service Agency office at their local USDA Service Center. Applications will be accepted via mail, fax, hand delivery, or electronic means.

Alternatively, producers with an eAuthentication account may apply for FSCSC via our FSCSC Application Portal. Applications will be completed, electronically signed, and submitted directly to your local USDA Service Center through this online system. Please reference our FSCSC Application Portal User Guide for additional information, including step-by-step application instructions. Producers interested in creating an eAuthentication account should visit farmers.gov/sign-in to learn more.

The following forms are needed to apply for FSCSC:

- FSA-888, Food Safety Certification for Specialty Crops (FSCSC) Program Application: This form includes a certification of the applicant's status as a specialty crop operation and a small or very small business, and their eligible expenses. Complete the form according to the FSA-888 instructions.
- AD-2047, Customer Data Worksheet: This form will be required if not already on file with the Farm Service Agency and documents personal information that positively identifies the customer. Existing customers can also use this form to update their customer profile. Complete the form according to the AD-2047 instructions.
- SF-3881, ACH Vendor/Miscellaneous Payment Enrollment Form: This form will be required if not already on file with the Farm Service Agency and will be used to collect your banking information to allow USDA to make payments to you via direct deposit.

- CCC-860, Socially Disadvantaged, Limited Resource, Beginning and Veteran Farmer or Rancher Certification (if applicable): This form allows customers to certify that they, or the entity or joint operation, are a member (of if applicable members) of a socially disadvantaged group; qualify as a limited resource producer(s); are beginning farmer(s) or rancher(s); or are veterans. Complete the form according to the CCC-860 instructions.
- Supporting Documentation, if requested: Please note that applicants may be required to provide additional documentation to the Farm Service Agency, if necessary, to substantiate the expenses reported on the application. Examples of supporting documentation include paid invoices, purchase receipts, test results, food safety plans, and certifications, training documentation, and other records determined acceptable by FSA.

You are encouraged to contact the Farm Service Agency office at your local USDA Service Center with any questions about FSCSC, program eligibility, or the application process. You may also call 877-508-8364 to speak directly with a USDA employee ready to provide one-on-one assistance.

USDA Announces Grants for Urban Agriculture and Innovative Production

The competitive grants will support the development of urban agriculture and innovative production projects through two categories, Planning Projects and Implementation Projects. USDA will accept applications on Grants.gov until 11:59 p.m. Eastern Time on March 27, 2023.

Planning Projects

Planning Projects initiate or expand efforts of farmers, gardeners, citizens, government officials, schools and other stakeholders in urban areas and suburbs. Projects may target areas of food access, education, business and start-up costs for new farmers and the development of plans related to zoning and other needs of urban production. For example, the Texas Coalition of Rural Landowners used 2022 awarded funds to conduct a feasibility study and develop a business plan to establish a cooperative for small-scale agricultural producers serving low food access markets in Harris County, Texas.

Implementation Projects

Implementation Projects accelerate existing and emerging models of urban, indoor and other agricultural practices that serve farmers and communities. Projects may improve local food access, include collaboration with partner organizations, and support infrastructure needs, emerging technologies, and educational endeavors. For example, the Moka Urban Agriculture Initiative used 2022 awarded funds for a project to increase local food access and provide culturally relevant options that create economic opportunities for urban farmers. The project will help to reduce food insecurity, improve health and establish outdoor spaces for food production in Missouri.

Webinar

A pre-recorded webinar on Urban Agriculture and Innovative Production Grants | USDA provides an overview of the grants' purpose, project types, eligibility and basic requirements for submitting an application.

From the Ground Up: Produce Safety Planning for Beginning Growers

Jennifer Matthews

The Rutgers On-Farm Food Safety Team is excited to share that it has received a three-year grant from USDA: NIFA for our “From the Ground Up: Produce Safety for New and Beginner Farmers.”

This project fills a need in this state to create a beginning farmer specific produce safety outreach program. Growers on small and medium farms will be empowered to achieve early success in food safety by incorporating farm food safety risk prevention values into their farm business plan framework from the beginning. Produce growers who are not yet covered by the Food Safety Modernization Act: Produce Safety Rule (FSMA PSR) and those that are qualified exempt will be provided with tools to develop food safety systems preparing them for compliance with the FSMA PSR. The use of these tools will foster the development of good habits associated with food safety culture at the start- positioning them for regulatory compliance when needed.

March 22, 2023, 10:00-2:00

From the Ground Up: Produce Safety Planning for Beginning Growers

Rutgers Cooperative Extension of Mercer County

1440 Parkside Avenue

Ewing, NJ 08638

\$30.00 per person

Who is this program for?

- New and beginning fresh produce growers
- Growers who want to improve produce safety practices on their farms
- Growers who want to work to develop a food safety culture on their farm
- Growers whose operations don't fall under the FSMA Produce Safety Rule yet but who will as they expand.
- Next generation growers taking over a family farm
- Anyone thinking about starting fresh produce farm

Benefits of Attending the Workshop:

Individuals who participate in this course will gain a 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
- Key points of FSMA: PSR that growers need to know.

April 5, 2023, 10:00-2:00

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.

The workshop goes from 10:00am - 2:00pm EST.

Continued on next page

\$15.00 per person

Who is this program for?

- New and Beginning Growers
- Growers who want to improve produce safety practices on their farms
- Growers who want to work to develop a food safety culture on their farm
- Growers who want to develop more robust food safety practices and worker training programs
- Next generation growers taking over a family farm
- Anyone thinking about starting a farm
- Anyone who may be getting an audit and does not have a food safety plan

To sign up or for more information: <https://go.rutgers.edu/kcx1n6bj> or reach out to Jenn Matthews at jmatthews@njaes.rutgers.edu

Fungicides for use in the greenhouse table available in 2022/2023 Commercial Vegetable Production Recommendations

Andy Wyenandt; January 23, 2023

The 2022/2023 Mid-Atlantic Commercial Vegetable Production Recommendations Guide has newly updated tables for selected conventional and organic fungicides for use on greenhouse vegetables. This information can be found in the Pest Management Section E in Table E-11 on pages 137-141.

The 2022/2023 Mid-Atlantic Commercial Vegetable Production Recommendations guide is available FREE on-line or can be purchased in hardcopy form through your county agricultural office in New Jersey. The complete Vegetable Production Recommendations guide or specific sections can be downloaded depending on your production needs.

View the online version of the 2022/2023 Mid-Atlantic Commercial Vegetable Production Recommendations Guide by going to <https://njaes.rutgers.edu/pubs/publication.php?pid=E001>


Pesticide Exam Schedule

New Jersey Department of Environmental Protection Bureau of Pesticides will be offering **in person pesticide tests** around the state.

Prior to regulations changes in November of 2001, only those private applicators using restricted use pesticides were required to be certified and licensed. The regulations require agricultural producers using either general or restricted use pesticides to become licensed. Those only using general use pesticides to produce an agricultural commodity had 2 years (until November 19, 2003) to obtain licensing to comply.

To register for a test, go to pacer.rutgers.edu

Costs for taking on-site exams are: Private exam \$50; CORE exam \$115; Category exams \$115. Walk ins are not accepted.

01/31/23 -- 10:00 AM and 12:00 PM	NJ Convention Ctr: Total Pro Expo 97 Sunfield Avenue Edison, NJ 08837	
02/01/23 -- 10:00 AM and 12:00 PM	NJ Convention Ctr: Total Pro Expo 97 Sunfield Avenue Edison, NJ 08837	
02/07/23 -- 10:00 AM and 12:00 PM	Monmouth County RCE 4000 Kozloski Road Freehold, NJ 07728	
02/09/23 -- 10:00 AM	Harrah Resort NJ Ag Convention 777 Harrahs Boulevard Atlantic City, NJ 08401	
03/15/23 -- 10:00 AM and 12:00 PM	RCE Cumberland County 291 Morton Avenue Millville, NJ 08332	 <p style="margin: 0;">Our office!</p>
04/05/23 -- 10:00 AM and 12:00 PM	Sussex County Public Safety Training Academy 114 Morris Turnpike Newton, NJ 07860	
04/19/23 -- 10:00 AM and 12:00 PM	RCE Burlington County 2 Academy Drive Westhampton, NJ 08060	
09/13/23 -- 10:00 AM and 12:00 PM	Monmouth County RCE 4000 Kozloski Road Freehold, NJ 07728	

Worker Training and Sanitizer Labeling and Use Recorded Webinars Now Available

Meredith Melendez, January 5, 2023

We continue to see the need for resources focusing on farm worker training and sanitizers. We invited to produce safety experts to discuss the topics on recorded webinars. These recordings are now available for viewing on the Rutgers NJAES YouTube Produce Safety playlist.

Retraining and Upskilling Workers on Produce Safety Best Practices by Phillip Tocco, MSU Extension can be viewed at https://www.youtube.com/watch?v=x5XCsf0rIC4&list=PLKx8NLAujm_nFDzD2VW6UKyzMJ7yeP7Pu

Using Sanitizers in a Postharvest Setting: Selecting a Sanitizer and Understanding Its Label by Donna Clements, Produce Safety Alliance can be viewed at https://www.youtube.com/watch?v=vicOFLBThhk&list=PLKx8NLAujm_nFDzD2VW6UKyzMJ7yeP7Pu&index=3

Additional information can be found on the Rutgers On-Farm Food Safety website at <https://onfarmfoodsafety.rutgers.edu/> including upcoming FSMA PSR trainings, USDA third-party audit workshops, and future webinars.

Rutgers Food Innovation Center Classes

Mellonie O'Neill; Senior Manager: QA Compliance & Training
450 East Broad Street, Bridgeton, NJ 08302
Office: 856-391-7607; Email: mo495@njaes.rutgers.edu

HACCP – Hazard Analysis and Critical Control Points – Both are virtual, through WEBEX

March 7-9, 2023 or May 16-18, 2023

Sign up online at <https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/haccp/>

PCHF – Preventive Controls for Human Food

March 21-23, 2023 - Virtual or May 23-25, 2023 - In Person!

Sign up online at <https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/pcqi/>

SQF Practitioner

May 4th -5, 2023 Virtual

Sign up at <https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/sqf-safe-quality-foods/>

We can also come to you if you have 5-10 (or more) employees that need any of the trainings above and: FSVP (if you import ingredients), IAVA (Food Defense), GMPs and Food Safety Culture!

We can do FSMA, GMP or SQF Gap audits to help you prepare for the FDA, USDA or your 3rd Party audits related to Preventive Controls. We can review your Food Safety Plans and give recommendations on how to meet the regulatory requirements.**

Check out the details here: <https://foodinnovation.rutgers.edu/what-fic-does/learn/training-services/>

Damping-off: Identifying and Controlling Pathogens in Transplant Production in 2023

Andy Wyenandt; Janaury 16, 2023

It is extremely important to know which pathogen is causing damping-off problems and which fungicide to properly apply. The key to controlling damping-off is being proactive instead of reactive. Always refer to the fungicide label for crop use, pathogens controlled, and application rates.

Damping-off is caused by a number of important vegetable pathogens and is very common during transplant production. Damping-off can kill seedlings before they break the soil line (pre-emergent damping-off) or kill seedlings soon after they emerge (post-emergent damping-off). Common pathogens that cause damping-off include Pythium, Phytophthora, Rhizoctonia and Fusarium spp.

Control of damping-off depends on a number of factors. First, is recognizing the conditions which may be leading to the problem (i.e., watering schedule/greenhouse growing conditions) and second, identifying the pathogen causing the problem. Reducing the chances for damping-off always begins with good sanitation practices prior to transplant production.

Conditions Favoring Damping-off

Although all four pathogens are associated with damping-off, the conditions which favor their development are very different. In general, Phytophthora and Pythium are more likely to cause damping-off in cool, wet or overwatered soils that aren't allowed to dry out due to cloudy weather or cooler temperatures. Conversely, Rhizoctonia and Fusarium are more likely to cause damping-off under warmer, drier conditions especially if plug trays are kept on the dry side to help reduce transplant growth.

The two root rots causing the most problems in New Jersey during transplant production are Pythium and Rhizoctonia. In general, Pythium tends to kill seedlings before or right after emergence where as Rhizoctonia tends to kill seedlings after emergence. If you are recycling old transplant flats with organic matter left on them from the previous season you may bring pathogens such as Rhizoctonia back into the operation. There are exceptions to the rules, but none the less, all damping-off pathogens can cause serious losses if not controlled properly.

Pathogen Identification

In root systems infected by Pythium, the outer cortex of the roots will slough-off if you pull the transplant out of the plug or if you simply pull on the roots with your fingers. If your soil has been excessively wet for periods of time because cool, cloudy weather hasn't allowed plug trays to dry out for extended periods (i.e. days) you may be dealing with a Pythium problem. Pythium also tends to show up in low spots on irregular benches or the floor where plants have been sitting in water for extended periods causing 'wet feet' (i.e., water-logged root systems).

In root systems infected by Rhizoctonia, the outer cortex of the root system won't slough off. In many cases under ideal conditions, the mycelium of the fungus growing on the surface of infected roots can be seen with a 10x hand lens. Rhizoctonia produces distinct, brown hyphae that always branches at nearly 90 degree angles. This is a diagnostic feature of the fungus. Rhizoctonia often shows up on transplants where the plug remains on the dry side for extended periods when growers reduce water to control plant growth. In the field this can occur shortly after transplanting when the drip irrigation system is not hooked up.

Treatment Options

Why is recognizing the different symptoms and diseases so important? The fungicides applied to prevent or control damping-off are specific in the pathogens they control. Fungicides used to control *Pythium* or *Phytophthora* won't control the other damping-off pathogens. Why is this? The biology of the fungus and the mode of action of the fungicide dictates fungicide efficacy.

For example, Ridomil Gold and Ultra Flourish (mefenoxam, FRAC code 4), MetaStar (metalaxyl, 4), Previcur Flex (propamocarb, 28), Ranman (cyazofamid, 21), Presidio (fluopicolide, 43), and Phosphites (33) help control the "water molds" (i.e., *Pythium* and *Phytophthora*). Azoxystrobin (FRAC code 11) help control damping-off caused by *Rhizoctonia* root rot. Ranman, Previcur Flex, and phosphites have greenhouse use labels for *Pythium* control (see labels for specific crops and uses in Table E-11 in the upcoming 2022/2023 Mid-Atlantic Commercial Vegetable Production Recommendations Guide).

There are many organic options that can be used to suppress these pathogens in transplant media. These biologicals include *Bacillus subtilis* (Companion), *Streptomyces lydicus* (Actinovate), *Streptomyces griseoviridis* (Mycostop), *Trichoderma harzianum* (PlantShield, Rootshield), and *Trichoderma virens* (Soil-Gard). These products can either be drenched on or incorporated into the media prior to seeding and/or transplanting. These products work by colonizing root surfaces and competing with the pathogen for space and resources. The mechanisms of control by biologicals include some form of antibiosis, parasitism, induction of host defense responses, or competition.

Disinfectant products such as Zeritol and Oxidate (hydrogen dioxide) may also be used to help suppress pathogens in organic or conventional transplant production. It's important to understand that disinfectant products also kill biological agents, therefore caution should be used when using these in rotation with organic products. The same holds true for all conventional products. For a list of options for use in greenhouses on specific crops please see Table E-11 in the 2022/2023 Mid-Atlantic Commercial Vegetable Production Recommendations Guide. Table E-11 in the 2022/2023 guide has been significantly updated and now groups organic or conventional products by group. See individual crop section for options in the field. Always refer to the fungicide label for crop use, pathogens controlled, and application rates.

UPCOMING RUTGERS ON-FARM FOOD SAFETY TEAM TRAININGS



FSMA PSR Training at NJ Ag Convention - 2/9/23 10AM-4PM \$50

Harrah's Resort, 777 Harrah's Blvd., Atlantic City, NJ 08401

Introduction to Harmonized Audits - 2/23/23 9AM-12PM \$15

COURSE HELD ONLINE ONLY

Advanced Audit Training - 3/1/23 9AM-12PM \$15

COURSE HELD ONLINE ONLY

Blueberry Growers Training - 3/15/23 10AM-1PM \$50

Philip E. Marucci Center, 125a Lake Oswego, Chatsworth, NJ 08019

<https://go.rutgers.edu/kcx1n6bj>

(URL MUST BE TYPED IN LOWERCASE)

FOR MORE INFORMATION 856-451-2800 X 1 OR BRANDIWI@CUMBERLANDCOUNTYNJ.GOV



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.

From the Ground Up: Produce Safety for New and Beginning Farmers



Learn On-Farm Produce Safety Skills and Knowledge

- Beginning Farmer Focused Food Safety Training Classes
- On-Farm Food Safety Plan Writing Workshops
- Food Safety Hot Topics Webinar Series
- Best Practices for Training Employees Webinars
- On-Farm Produce Safety Risk Walkthroughs

March 22 and April 5, 2023

Join the email list now!



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



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.

Upcoming Turf Fertilizer Credit Courses

Each class earns 4 ProFACT turfgrass fertilizer continuing education credits <https://profact.rutgers.edu/>

Perfect for landscapers, golf course employees, and public works employees that fertilize turfgrass who require 8 CE credits in 5 years (<https://profact.rutgers.edu/background>)

Please bring your ProFACT fertilizer ID (not pesticide license)

Free, no charge classes

Pre-registration appreciated

February 23, 2023

10 AM – Noon

Protecting Water Quality with Good Turf Fertilizer Practices

Peach Country Tractor

749 Mullica Hill Rd.

Mullica Hill 08062

To register:

John Bailey

856-589-3953

john@peachcountrytractor.com

Instructor: Sal Mangiafico

February 24, 2023

10 AM – Noon

Protecting Water Quality with Good Turf Fertilizer Practices

291 Morton Ave.

Millville, NJ 08332

To register:

856-451-2800 ext. 1

mangiafico@njaes.rutgers.edu

Instructor: Sal Mangiafico

Calendar of Events

- Indicates a newly added event

February 6-7

Empire State Producers Expo; Oncenter, Syracuse, NY; Save the date. Registration opens January 2023. Find more information and register at www.nysvga.org

February 7-9

2023 NJ Agricultural Convention and Trade Show; Harrahs, 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

February 9

FMSA PSR Training at the NJ Agricultural Convention and Trade Show; 777 Harrahs Blvd, Atlantic City, NJ; 10:00AM - 4:00PM; Must register before February 3rd; This training meets the FDA requirements for FSMA Produce Rule Training; \$50 each; Find more info and register at <https://go.rutgers.edu/kcx1n6bj>

February 9-10

Alabama Fruit and Vegetable Growers Association Annual Conference and Trade Show The Lodge at Gulf State Park Gulf Shores, Ala. www.afvga.org/

February 12-15

International Fruit Tree Association 2023 Annual Conference Amway Grand Plaza Grand Rapids, Mich. www.ifruittree.org

February 16-18

Ohio Ecological Food and Farm Association (OEFFA) Annual Conference; Newark, OH; More information at <https://www.oeffa.org/events.php>

- **February 16-17**

Chesapeake Green 2023; Maritime Institute, Linthicum Heights, MD; \$125 per person; Chessie Green, as it is known within the industry, is a two-day event packed full of engaging and informative horticulture education; Find more info and register online at <https://mnlga.org/page/ChessieGreen>

February 21-22

Colorado Fruit & Vegetable Growers Conference The Westin Westminster, Colo www.coloradoproduce.org/

- **February 23**

Protecting Water Quality with Good Turf Fertilizer Practices; Peach Country Tractor, 749 Mullica Hill Rd, Mullica Hill, NJ 08062; Free; 4 ProFACT turfgrass continuing education credits; Bring ProFACT fertilizer ID (not pesticide license); Lunch included; Pre-registrations are encouraged but not necessary; Register by emailing John at john@peachcountrytractor.com

- **February 23**

Introduction to Harmonized Audits; Remote course, What records do you need? What does the audit language mean? Join us for an open discussion of each requirement in the audit standard so you are prepared for your audit. This program is for growers who are new to audits. \$15 each; Sign up online at <https://onfarmfoodsafety.rutgers.edu/>

- **February 24**

Protecting Water Quality with Good Turf Fertilizer Practices; RCE of Cumberland County, 291 Morton Ave, Millville, NJ 08332; Free; 4 ProFACT turfgrass continuing education credits; Bring ProFACT fertilizer ID (not pesticide license); Lunch included; Pre-registrations are encouraged but not necessary; Register by calling 856-451-2800 Ext 1 or email Sal at mangiafico@njaes.rutgers.edu

- **March 1**

Landscape New Jersey Trade Show & Conference; Meadowlands Exposition Center, 355 Plaza Dr., Secaucus, NJ 07094; 250+ exhibitor booths, networking opportunities, educational opportunities; and much more. Find more info and sign up online at <https://www.njlandscapeshow.com/>

March 2-3

Purdue Small Farm Conference; Find more information at https://extension.purdue.edu/anr/_teams/dffs/small_farm_conference/index.html

March 7-10

NASGA Annual Meeting and Conference; North American Strawberry Grower's Association; This meeting will bring together strawberry researchers, growers and agribusiness from around the world and will feature two and a half days of meetings and a tour of the San Luis Obispo growing area; San Luis Obispo, California; Fine more info at nasga.org

- **March 15**

DEP Pesticide Testing In-Person; RCE Cumberland County, 291 Morton Ave., Millville, NJ 08332; 10AM or 12PM; No walk-ins allowed. Must pre-register at pacer.rutgers.edu

- **March 15**

Food Safety Training for Blueberry Growers; Philip E. Marucci Center for Blueberry and Cranberry Research; 125a Lake Oswego, Chatsworth, NJ 08019; \$50.00 per person, lunch included; Topics Covered: Traceability Update; Food Safety Issues on Blueberry Farms; When do hazards become risks? And more... Sign up at <https://www.eventbrite.com/o/rutgers-on-farm-food-safety-team-14509694831>

March 15

Apple Crop Outlook and Marketing Conference Hilton Capitol Hill Washington, D.C. www.usapple.org/events/usapple-capitol-hill-day-3

- **March 22**

From the Ground Up: Produce Safety Planning for Beginning Growers; RCE of Mercer County, 1440 Parkside Ave, Ewing, NJ 08638; Register by March 15; Individuals who participate in this course will gain a 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; Key points of FSMA: PSR that growers need to know; Sign up at <https://onfarmfoodsafety.rutgers.edu/>

March 30-April 1

Viva Fresh Expo Gaylord Texas Resort Gaylord, Texas www.vivafreshexpo.com/

Regularly Scheduled Meetings

Pesticide Credit Exams

3/15/22 Millville RCE

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 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

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

Next meeting
February 16, 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

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
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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

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/>



FOOD SAFETY CERTIFICATION FOR SPECIALTY CROPS



Overview

The Food Safety Certification for Specialty Crops (FSCSC) Program provides assistance to specialty crop operations that incurred eligible on-farm food safety program expenses in 2022 and 2023.

These operations incur significant costs to comply with regulatory requirements and market-driven food safety certification requirements each year with little opportunity to recover increased costs.

Who is Eligible?

To be eligible for FSCSC applicants must meet the following:

- Be a specialty crop operation;
- Have obtained or renewed a:
 - 2022 food safety certification that was issued between June 21, 2022 and December 31, 2022; or
 - 2023 food safety certification issued during calendar year 2023; and
 - Have paid eligible expenses;
- Meet the definition of a small business or very small business; and
- Be located in the United States, District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the U.S. Virgin Islands, or the Commonwealth of the Northern Mariana Islands.

PROGRAM YEAR	ELIGIBLE CERTIFICATION DATE	APPLICATION DEADLINE
2022	June 21, 2022 - December 31, 2022	January 31, 2023
2023	January 1, 2023 - December 31, 2023	January 31, 2024

What Expenses are Eligible?

Specialty crop operations may receive reimbursement for developing an initial food safety plan, maintaining or updating an existing food safety plan, food safety certification, certification upload fees, microbiological testing, and training.

Specialty crop operations who obtain their food safety certification through a group model under a food safety management system are eligible for their share of eligible expenses paid by the group, in addition to any eligible expense incurred individually.

What Expenses are not Eligible?

Ineligible expenses include infrastructure improvements, equipment, supplies, salaries and benefits of employees, and fees or penalties for late payment.

What are the Maximum Payment Rates?

CATEGORY OF ELIGIBLE EXPENSES	PAYMENT AMOUNT OF ELIGIBLE COSTS	
	HISTORICALLY UNDERSERVED FARMER OR RANCHER	ALL OTHER APPLICANTS
Development of a food safety plan for first-time certification	75 percent (no maximum)	50 percent (no maximum)
Maintaining or updating a food safety plan	75 percent, up to a maximum of \$375	50 percent, up to a maximum of \$250
Food safety certification	75 percent, up to a maximum of \$2,000	50 percent, up to a maximum of \$2,000
Certification upload fees	75 percent, up to a maximum of \$375	50 percent, up to a maximum of \$250
Microbiological testing – products	75 percent, up to 5 tests	50 percent, up to 5 tests
Microbiological testing – soil amendments	75 percent, up to 5 tests	50 percent, up to 5 tests
Microbiological testing – water	75 percent, up to 5 tests	50 percent, up to 5 tests
Training	100 percent, up to a maximum of \$300	100 percent, up to a maximum of \$200

How to Apply

Eligible specialty crop operations may apply for FSCSC by completing the FSA-888, Food Safety Certification for Specialty Crops application, and submitting it to any FSA county office. A complete application includes all the following, which may be downloaded at farmers.gov/food-safety:

- FSA-888, Food Safety Certification for Specialty Crops (FSCSC) Application
- AD-2047, Customer Data Worksheet, for new customers or existing customers who need to update their customer profile
- CCC-860, Socially Disadvantaged, Limited Resource, Beginning and Veteran Farmer or Rancher Certification (if applicable)
- If requested by FSA, the applicant must provide supporting documentation to substantiate the expenses. Examples of supporting documentation include paid invoices, purchase receipts, test results, food safety plans, training documentation, and other records determined acceptable by COC.

Where to Apply

You may apply at one of over 2,100 FSA offices nationwide. Applications may also be submitted by mail, fax, email, hand delivery or by electronic means. Please contact the FSA county office prior to sending applications electronically for instructions and assistance. The FSCSC application and associated forms are available online at farmers.gov/food-safety.



Who to Call for Help

Producers interested in one-on-one support with the FSCSC program application can contact our call center at 877-508-8364 to speak directly with a USDA employee ready to offer assistance.

More Information

This fact sheet is for informational purposes only; other restrictions may apply. For more information about FSCSC, visit farmers.gov/food-safety or contact your local FSA office. To find your local FSA office, visit farmers.gov/service-locator.



RUTGERS

New Jersey Agricultural
Experiment Station
COOPERATIVE EXTENSION
CUMBERLAND COUNTY

THE STOCKTON MAPLE SYRUP PROJECT

FEBRUARY 14TH, 2023 AT 11AM

Location: 291 Morton Ave. Millville, Nj. 08332.

Rutgers's Master Gardeners of Cumberland County will be hosting Stockton's Maple Syrup Program on Tuesday, February 14, 2023 at 11AM. This program is open to the public free of charge. Come out and hear how they are producing maple syrup - from tapping to production here in South Jersey!

Master Gardeners of Cumberland County

Free to the public

For questions, please
contact Kaylynn Hyson-
(856)451-2800 ext.4 or via
email
kaylynnhy@cumberlandcou
ntynj.gov



New Jersey Agricultural
Experiment Station
**COOPERATIVE EXTENSION
CUMBERLAND COUNTY**

Harrah's Resort Hotel Convention Center
777 Harrah's Blvd., Atlantic City, NJ 08401

<https://vganj.com>
(856) 451-2800 x2 Nursery
TWaller@njaes.rutgers.edu



NEW

**NURSERY AND
ORNAMENTAL TRACK
AT THE 2023 VGA**



Come early! – Tuesday, February 7th

Register at
<https://vganj.com/registration>

Session I
9:30 - 11:45am

Presentations:

Native Trees for Low Input Landscapes
William Errickson (RCE Agricultural Agent, Monmouth)

Considerations on Irrigation Management of Nursery Crops
Raul Cabrera (Nursery Crop Extension Specialist, Rutgers NJAES)

Nursery IPM Strategies for Promoting Beneficials
Steve Rettke (RCE Program Associate in Nursery IP)

Women in Horticulture Panel
Lauren Errickson (Director of Rutgers Gardens and Campus Stewardship)

Session II
2:45 - 5:00pm

Presentations:

What's the Political, Policy, and Economic Landscape
Adam J. Kantrovich (Clemson University)

FSA/NRCS Programs for Nurseries
FSA/NRCS New Jersey Representatives

Management of Root Diseases
Timothy Waller (RCE Agricultural Agent, Cumberland)

*Pesticide credits applied for

WE R HERE WHEN YOU NEED US

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

This annual event is brought to you by Rutgers Cooperative Extension of Middlesex, Monmouth, Mercer, Burlington, Ocean & Somerset Counties. Seminar topics will benefit those who work in grounds maintenance including school board members, maintenance supervisors, employees of highways, parks, cemeteries, industrial grounds, lawn & home ground services, garden center operators and nurserymen.

You will receive an e-mailed confirmation the day after you register. You can pick up your lunch ticket at the meeting. In case of severe weather, contact Middlesex County, RCE office for information 732-398-5262.

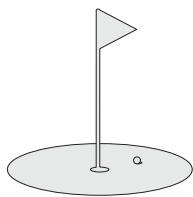
Available

Pesticide Credits:

- Core - 2 units
- 1A - 1 units
- 2 - 4 units
- 3A - 6 units
- 3B - 3 units
- 8C - 9 units
- 10 - 8 units
- PP2 - 9 units

ProFACT NJ Certified Fertilizer Applicator
3 Credits Available
Separate attendance/roster
form must be signed.

go.rutgers.edu/CJTOI



Directions to
Battleground Country Club
Millhurst Road, Manalapan
www.battlegroundcc.com
732-462-7575

NJ Turnpike South/North -
Exit 8 (Rt. 33E). Rt. 33E for 9 miles to
Route 527 North (Millhurst Road).
Through light and around jughandle
to take 527 N. Country Club
is 1/2 mile on Right (Covenhoven Rd).

From North Jersey (GS Parkway) -
Exit 123 . Rt. 9S for approx.
13 miles to Rt. 33. Take Rt. 33 W
To 3rd light, make right onto
Rt. 527 N (Millhurst Rd.)
Country Club is 1/2 mile on Right

From South Jersey (GS Parkway) -
Exit 100B (Rt. 33 West).
Rt. 33W for approx. 12 miles
to Route 527 North (Millhurst Road).
Turn right onto Rt. 527
Country Club is 1/2 mile on the Right.

From South Jersey (Route 9N) -
Follow Rt. 9N past Freehold Mall to Rt. 33W.
Take Rt. 33 W
To 3rd light, make right onto
Rt. 527 N (Millhurst Rd.)
Country Club is 1/2 mile on Right

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

New Jersey Agricultural
Experiment Station
COOPERATIVE EXTENSION

presents

2023



Central Jersey Turf & Ornamental Institute

Wednesday February 22

Battleground Country Club Manalapan, N.J.



8:00 am Continental Breakfast

8:45 - 9:45 am

Pesticide Safety, Regulations and IPM Program Update

George Hamilton Ph.D.
Specialist in Pest Management
Rutgers, NJAES

9:45 - 10:30 am

Integrated Approaches to Controlling Tree Root Diseases

Timothy Waller, Ph.D.
Agriculture & Natural Resources County Agent III
Rutgers, NJAES, RCE of Cumberland County

10:30 - 11:30 am

Fertilization for Low Maintenance Turfgrass Varieties and Updates on Recommendations

James Murphy, Ph.D.
Specialist in Turfgrass Management
Rutgers, NJAES, RCE

11:30am - 12:15 pm

Right Plants in the Right Place as part of an IPM Program

William Errickson, M.S.
Agriculture & Natural Resources County Agent III
Rutgers, NJAES, RCE of Monmouth County

12:15 – 1:15 pm Lunch

(Short Presentations from Associations & RU Programs)

1:15 - 2:00 pm

Key Insect Pests on Oak (Quercus) : Identification, Life Cycles & Control Strategies

Steve Rettke
Agriculture & Natural Resources Program Associate
Rutgers Greenhouse and Nursery Program
Rutgers, NJAES

2:00 - 2:45 pm

Integrated Management Programs for Problematic Weeds in Turfgrass

Matthew Elmore, Ph.D.
Specialist in Weed Science
Rutgers, NJAES, RCE

2:45 - 3:30 pm

New and Emerging Problems in the Urban Forest

Rich Buckley, Director
Plant Diagnostic Lab & Nematode Detection Service
Rutgers University, NJAES

3:30 pm

Pesticide Credits and Adjourn

READ THIS IMPORTANT INFORMATION !

All NJ Pesticide applicators must show a photo ID and Pesticide License #. For ProFACT credits, bring your Fertilizer credit ID#

Sign Up Deadline Thursday, February 16

Central Jersey Turf & Ornamental Institute Sign-Up Form

Wednesday, February 22, 2023

Fees: \$120 per person
(includes Continental Breakfast & Lunch)

To Register Online:
go.rutgers.edu/CJTOI

To register by mail :

Name(s): _____

Business Name: _____

Address: _____

State & Zip: _____

Phone: _____

E-mail: _____

of Attendees ___ X \$120 = \$ ____

Payment is required with your registration.

Registrations are non-refundable.

Make checks payable to:

Rutgers, the State University of NJ

Mail to: Talia Zirin

88 Lipman Drive, room 327

New Brunswick NJ 08901

To pay by Purchase Order

***PO Address is different from mailing address.**

Business address on PO should appear as:

–Rutgers University New Brunswick

Rutgers, The State University of New Jersey

57 US Highway 1 New Brunswick, NJ 08901-8554

Remit invoice & PO to: Talia Zirin

88 Lipman Drive, room 327


New Brunswick, NJ 08901

For registration questions phone:

732-398-5262.

AGRICULTURE TECHNOLOGY

BREIFING

Hosted by the
Cumberland County
Board of Agriculture
Garden spot of  the Garden State

March 16th 2023

6 PM - 7 PM

HELD AT THE
Rutgers Cooperative Extension
of Cumberland County
291 Morton Avenue
Millville, NJ 08332

Precision Planting will be giving a planter and sprayer advanced technology breifing that is applicable to many types of crops for local farmers.



2023 New Jersey Agricultural Convention & Trade Show – Educational Sessions & Workshops
at Harrah's Resort and Waterfront Convention Center, Atlantic City, New Jersey

Tuesday Morning, February 7, 2023

9:30 AM – 11:30 AM

<p>WILDWOOD 2 & 3 Organic Production <i>Megan Muehlbauer & Meredith Melendez</i> <i>Ag Agents, RCE Hunterdon & Mercer</i></p> <p>9:30 am Information from Our Exhibitors</p> <p>9:45 A.M. Non-herbicide Weed Management Resources Meredith Melendez</p> <p>10:15A.M. Road to Organic Certification Al Johnson <i>NOFA-NJ</i></p> <p>10:45 A.M. Soil Nitrogen Fertility for Organic Vegetable Production Joseph Heckman <i>RCE Ext Specialist - Crop Nutrition & Soils</i></p> <p>11:15A.M. Bringing the Farm to School Nicole Broadwater & Janet Celi <i>NJ Dept of Agriculture</i></p> <p>12:00 Q&A -- Recertification Credits</p> <p><i>Pesticide Credits</i> <i>Category 1A: , PP2:</i></p>	<p>WILDWOOD 4 & 5 Wine Grapes <i>Hemant Gohil</i> <i>Ag Agent, RCE Gloucester</i></p> <p>9:30 A.M. Pesticide Safety & Compliance Tools for Wine Grape Growers Patricia Hastings <i>Pesticide Safety Education Program Coordinator, Rutgers NJAES</i></p> <p>10:00 A.M. Information from Our Exhibitors</p> <p>10:15 A.M. Managing Powdery Mildew & Downey Mildew in Vineyard Bryan Hed <i>Research Technologist Penn State Extension</i></p> <p>10:45 A.M. Disease Scouting & Bunch Rots Management in Vineyards Mengjun Hu <i>Assistant Professor Small Fruit Pathology University Maryland</i></p> <p>11:15 A.M. When & How to Manage SLF in Winegrape Anne Nielsen <i>RCE Extension Specialist Fruit Entomology</i></p> <p>11:45 A.M. Q&A -- Recertification Credits <i>Category CORE:</i> <i>Category 10: Category 1A: PP2:</i></p>	<p>WILDWOOD 6 & 7 Agronomy/ Wildlife Damage <i>Stephen Komar</i> <i>Ag Agent, RCE Sussex</i></p> <p>9:30 A.M. Bear Damage to Field Crops Stephen Komar</p> <p>10:00 A.M. "Smile, You're on Camera." Monitoring Wildlife Field Activity Using Trail Cameras Bill Bamka <i>RCE Ag Agent, Burlington</i></p> <p>10:30 A.M. Deer/Human Interactions in New Jersey Joe Paulin <i>Graduate Student, Wildlife Mangt, Rutgers U.</i></p> <p>11:00 A.M. Information from Our Exhibitors</p> <p>11:15 A.M. <i>Wildlife Damage in Agricultural Crops, A Panel Discussion to Determine Extension Program Needs</i></p> <p>11:45 A.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , PP2:</i></p>	<p>WILDWOOD 8 & 9 Sweet Corn <i>Kate Brown</i> <i>Ag Program Assoc, RCE Burlington</i></p> <p>9:30 A.M. Sweet Corn Statistics Bruce Eklund <i>USDA-NASS, NJ</i></p> <p>9:45 A.M. Information from Our Exhibitors</p> <p>10:00 A.M. The Changing Landscape of Corn Earworm Management Kristian Holmstrom <i>RCE Program Coordinator - Vegetable IPM</i></p> <p>10:30 A.M. New Options for Bird Control Rebecca Brown <i>Associate Professor University of Rhode Island</i></p> <p>11:00 A.M. Perspectives on the Sweet Corn Industry Grower Panel</p> <p>Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , PP2:</i></p>	<p>AVALON 2 & 3 (2nd floor) Nursery I <i>William Erickson</i> <i>Ag Agent, RCE Monmouth</i></p> <p>9:30 am Native Trees for Low Input Landscapes William Erickson <i>RCE Ag Agent, Monmouth</i></p> <p>10:00 am Irrigation Management of Nursery Crops Raul Cabrera <i>RCE Ext Specialist - Nursery Crops</i></p> <p>10:30 am Backyard Beneficials: Inviting Insects into the Landscape Steve Rettke <i>RCE Prgrm Associate - Nursery IPM</i></p> <p>11:00 am Women in Horticulture Panel Lauren Erickson <i>Director of Rutgers Gardens and Campus Stewardship</i></p> <p>11:30 am Information from Our Exhibitors</p> <p>11:45 am Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , There PP2:</i></p>
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Tuesday Mid-Day Workshop

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

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

2023 New Jersey Agricultural Convention & Trade Show – Educational Sessions & Workshops
at Harrah's Resort and Waterfront Convention Center, Atlantic City, New Jersey

Tuesday Afternoon, February 7, 2023

2:15 PM – 4:30 PM

<p>WILDWOOD 2 & 3 Integrated Pest Management</p>	<p>WILDWOOD 4 & 5 High Tunnels</p>	<p>WILDWOOD 6 & 7 Soil Health</p>	<p>WILDWOOD 8 & 9 General Vegetable</p>	<p>AVALON 2 & 3 (2nd floor) Nursery II</p>
<p><i>Kris Holmstrom/Joe Ingerson-Mahar</i> RCE Vegetable IPM Program Coordinators</p>	<p><i>A.J. Both</i> RCE Ext Specialist - Controlled Environment Engineering</p>	<p><i>Michelle Infante-Casella</i> Ag Agent, RCE Gloucester</p>	<p><i>Andy Wyenandt</i> RCE Ext Specialist - Vegetable Pathology</p>	<p><i>Timothy Waller</i> Ag Agent, RCE Cumberland</p>
<p>2:15 P.M. Information from Our Exhibitors</p>	<p>2:15 P.M. High Tunnel Construction A.J. Both <i>RCE Ext Specialist - Controlled Environment Engineering</i></p>	<p>2:15 P.M. How Plants Absorb Soil Microbes as a Nutrient Source James White <i>Professor, RU Plant Biology</i></p>	<p>2:15 PM Results of the 3-year Survey of Bacterial Leaf Spot Populations in Pepper and Tomato in New Jersey Radhika Patel <i>Graduate Student, RU Plant Biology.</i></p>	<p>2:15 pm What's the Political, Policy, and Economic Landscape. Adam J. Kantrovich, PhD <i>Clemson Univ.</i></p>
<p>2:30 P.M. Small and Mite-y: Management Considerations in Vegetables David Owens <i>Extension Entomologist, U Delaware</i></p>	<p>2:45 P.M. Information from Our Exhibitors 3:00 P.M.</p>	<p>3:15 P.M. Information from Our Exhibitors</p>	<p>2:45 PM Downy and Powdery Mildew Control in Cucurbits Andy Wyenandt <i>RCE Ext Specialist - Vegetable Pathology, Rutgers NJAES</i></p>	<p>3:15 pm What's New From Industry</p>
<p>3:00 P.M. Diamondback Moth IPM Including On-farm Mating Disruption in VA Tom Kuhar <i>Dept. of Entomology, Va Tech</i></p>	<p>High Tunnel Ventilation David Lewus <i>Grad student, RU Plant Biology</i></p>	<p>3:30 P.M. Improving Soil Health & Crop Performance in Vegetable Rotations Gordon Johnson <i>UDeI Specialist - Fruits and Vegetables, UDeI</i></p>	<p>3:15 PM Information from Our Exhibitors</p>	<p>3:30pm Available NRCS and FSA Programs for Nurseries Aly Dyson <i>FSA - Disaster Program Specialist</i></p>
<p>3:30 P.M. Herbicide Strategies for Managing Troublesome Weeds in Cole Crops Thierry Besancon <i>RCE Ext Specialist – Weed Science</i></p>	<p>3:30 P.M. Experiences with Movable High Tunnels William Errickson <i>RCE Ag Agent, Monmouth</i></p>	<p>4:00 P.M. Making Your Own Fertilizer: On-Farm Composting Michelle Infante-Casella <i>Ag Agent, RCE Gloucester</i></p>	<p>3:30 PM 'Fields of Devotion' Film Screening and Q&A</p>	<p>Stephanie Bouchelle <i>FSA - Loan Officer</i> Fran Deficcio <i>NRCS - Program Analyst</i></p>
<p>4:00 P.M. What happened with corn earworm in 2022? Joe Ingerson-Mahar <i>Vegetable IPM Senior Coordinator, Rutgers NJAES</i></p>	<p>4:00 P.M. High Tunnel Control with Sensors A.J. Both</p>	<p>4:15 P.M. What Can NRCS Do To Help with Soil Health? Kaitlin Farbotnik, <i>Conservation Agronomist, USDA NRCS</i></p>	<p>4:30 PM Q&A -- Recertification Credits</p>	<p>4:00 pm Management of Oomycete Root Diseases Timothy Waller <i>Ag Agent, RCE Cumberland</i></p>
<p>4:30 P.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> Category 1A: , PP2: , CORE:</p>	<p>4:30 P.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> Category 1A: , PP2:</p>	<p>Q&A -- Recertification Credits <i>Pesticide Credits</i> Category 10: , Category 1A: , PP2:</p>	<p><i>Pesticide Credits</i> Category 10: , Category 1A: , PP2:</p>	<p>4:30 pm Q&A -- Recertification Credits <i>Pesticide Credits</i> Category 10: , Category 1A: , PP2:</p>

2023 New Jersey Agricultural Convention & Trade Show – Educational Sessions & Workshops
at Harrah’s Resort and Waterfront Convention Center, Atlantic City, New Jersey

Wednesday Morning, February 8, 202

9:00 AM – 11:00AM

<p>WILDWOOD 2 & 3 Blueberry <i>Gary Pavlis</i> <i>Ag Agent, RCE Atlantic</i></p> <p>9:00 A.M. Information from Our Exhibitors</p> <p>9:15 A.M. Black Shadow: Current and Future Recommendations for Control Peter Oudemans <i>RCE Ext Specialist - Small Fruit Pathology</i></p> <p>9:45 A.M. On-Farm Food Safety Recordkeeping Tips and Tools Meredith Melendez <i>Ag Agent, RCE Mercer</i></p> <p>10:15 Enhancing Insecticide Performance: Testing Adjuvants to Manage SWD Cesar Rodriguez-Saona <i>RCE Ext Specialist - Small Fruit Entomology</i></p> <p>10:45 Weed Control Update for NJ Blueberries Carrie Mansue <i>Small Fruit IPM Program Associate</i></p> <p>11:15 Honey bee, what’s in your pollen? Pesticide Residuals and Pollen Diversity in Relation to Colony Health. Chelsea K Abegg <i>Soils & Plant Technician, Small Fruit Entomology</i></p> <p>11:45 P.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , PP2: , CORE:</i></p>	<p>WILDWOOD 4 & 5 Small Fruit <i>Pete Nitzsche</i> <i>Ag Agent, RCE Morris</i></p> <p>9:00 A.M. Efforts to Release a Spotted Wing Drosophila Parasitoid, in New Jersey Cesar Rodriguez-Saona <i>RCE Ext Specialist - Small Fruit Entomology</i></p> <p>9:30 A.M. Fine Tuning Fertilizer Applications for Small Fruit Mary Concklin <i>Extension Educator Emeritus</i> <i>Univ Connecticut</i></p> <p>10:00 A.M. Growing and Marketing Small Fruit at Raspberry Knoll Farm Mary Concklin <i>Owner, Raspberry Knoll Farm</i></p> <p>10:30 A.M. Major Diseases and Their Management in Strawberry Fields Mengjun Hu <i>Assistant Professor</i> <i>UnivMaryland</i></p> <p>11:00 A.M. Information from Our Exhibitors</p> <p>11:15 A.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , PP2:</i></p>	<p>WILDWOOD 6 & 7 Succession, Transition and Estate Planning/Asset Protection <i>Robin G. Brumfield</i> <i>RCE Ext Specialist in Farm Management</i></p> <p>9:00 A.M. Adam J. Kantrovich, Ph.D. <i>Clemson Univ Cooperative Extension</i> <i>Extension Specialist, Agribusiness</i> <i>Director of Clemson Tax School</i> <i>Asst. Director of Clemson Extension</i> <i>Agribusiness Team</i></p> <p>and</p> <p>J.C. Hobbs <i>RCE Ext Specialist - Agricultural Economics</i> <i>Oklahoma State University</i></p> <p>This two-hour session will contain discussion of what a good plan should contain, who should be involved, resources that are available, and variables to consider when developing a plan. This may include but is not limited to the types of documents that need to be prepared in-place for succession and estate planning.</p>	<p>WILDWOOD 8 & 9 Specialty & Niche Crops <i>William Sciarappa</i> <i>Ag Agent, RCE New Brunswick</i></p> <p>9:00 A.M. Basil R & D at NJAES Jim Simon & Andy Wyenandt <i>RCE Extension Specialists – New Crops & Vegetable Plant Pathology</i></p> <p>9:30 A.M. Plasticulture, Production & Marketing of RU Habaneros Albert Ayeni – Ethnic Crop Research Specialist & Bill Sciarappa <i>Ag Agent, RCE New Brunswick</i></p> <p>10:00 A.M. Information from Our Exhibitors</p> <p>10:15 A.M. Greenhouse Production Trials on Ginger & Turmeric Bill Errickson <i>Ag Agent, RCE Monmouth</i></p> <p>10:45 New Crops – Roselle & Summer Spinach Results Tori Rosen <i>Graduate Research Asst – RU Plant Science</i></p> <p>11:15 A.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , PP2:</i></p>
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Wednesday Mid-Day Workshop

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

2023 New Jersey Agricultural Convention & Trade Show – Educational Sessions & Workshops
at Harrah's Resort and Waterfront Convention Center, Atlantic City, New Jersey

VGANJ/NJDA Joint Session – WILDWOOD 28

Agricultural Water Use – Potable vs Irrigation Rules

NJ DEP Div of Water Allocation

1:30 PM – 2:30 PM

Wednesday Afternoon, February 8, 2023

2:45 PM – 4:45 PM

<p>WILDWOOD 2 & 3 Food Safety</p>	<p>WILDWOOD 4 & 5 Creative Marketing & Agritourism</p>	<p>WILDWOOD 6 & 7 Weed Science – Managing Herbicide Resistance</p>	<p>WILDWOOD 8 & 9 New Technologies for NJ Agriculture</p>
<p><i>Meredith Melendez</i> Ag Agent, RCE Mercer</p>	<p><i>Bill Hlubik</i> Ag Agent, RCE Middlesex</p>	<p><i>Thierry Besançon</i> RCE Ext Specialist - Weed Science</p>	<p><i>Rick VanVranken</i> Ag Agent, RCE Atlantic</p>
<p>2:45 P.M. On-Farm Recordkeeping Tips and Tools Meredith Melendez <i>Ag Agent, RCE Mercer</i></p>	<p>2:45 P.M. What's New in Agritourism Claudia Gil Arroyo <i>Ag Agent, RCE Cape May</i></p>	<p>2:45 P.M. Origin & Mechanisms of Herbicide Resistance in Weeds Thierry Besançon <i>Extension Weed Science Specialist Rutgers NJAES</i></p>	<p>2:45 P.M. Agrivoltaics for NJ David Specca <i>Asst Director, Rutgers EcoComplex, & AJ Both</i> <i>Extension Specialist BioEngineering, RCE</i></p>
<p>3:15 P.M. Information from Our Exhibitors</p>	<p>3:15 P.M. Cooperative Direct Marketing to Enhance Diversity of Farm Products Jenn LaMonaca <i>Walking Bird Farm, Galloway, NJ</i></p>	<p>3:15 P.M. Distribution & Identification of Herbicide Resistant (HR) Weeds Lynn Sosnoskie <i>Assistant Professor of Weed Ecology, Cornell AgriTech</i></p>	<p>3:15 P.M. Robots, Lasers and Drones! The Future is Closer Than You Think Richard Marolda Jr. <i>Marolda Farms, Minotola, NJ</i></p>
<p>3:30 P.M. FSMA PSR: New Regulations that will Impact Your Produce Operation Wesley Kline <i>Ag Agent, RCE Cumberland</i></p>	<p>3:45 Information from Our Exhibitors</p>	<p>3:45 P.M. Information from Our Exhibitors</p>	<p>3:45 P.M. Can Computer Aided Vision Catch Things You Miss in a Blink Richard VanVranken <i>Ag Agent, RCE-Atlantic</i></p>
<p>4:00 P.M. FSMA PSR Inspection Update Elizabeth Stiles <i>NJDA Markets & Grading Program with the Rutgers On-Farm Food Safety Team</i></p>	<p>4:00 P.M. Digital Marketing Tips for Niche Crops- Small Farm/ Big Sales Rebecca Kutzer-Rice <i>Owner - Moonshot Farm & Brendon Pearsall</i> <i>Beginner Farmer Program Coordinator, RCE Middlesex</i></p>	<p>4:00 P.M. Herbicide Control & Alternative Strategies for HR Weeds in Field Crops John Wallace <i>Assistant Professor of Weed Science, Dept of Plant Science, Penn State</i></p>	<p>4:15 P.M. How Do I Keep My Farm Truck Fleet Running? Curtis McKittrick <i>Owner, Solanum LLC, Frenchtown, NJ</i></p>
<p>5:00 P.M. Questions</p>	<p>4:30 P.M. Ethnic Crops & Organic Wild-Crafting to Enhance Customer Diversity & Marketing Potential Alison Akbay <i>Snapping Turtle Farms</i></p>	<p>4:30 P.M. Integrated Weed Management Strategies for HR Weeds in Specialty Crops Kurt Vollmer <i>Univ Maryland Extension Specialist - Weed Science</i></p>	<p>4:45 P.M. Information from Our Exhibitors</p>
	<p>5:00 P.M. Q&A -- Recertification Credits</p>	<p>5:00 P.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , PP2:</i></p>	<p>5:00 P.M. Q&A -- Recertification Credits <i>Pesticide Credits</i> <i>Category 10: , Category 1A: , PP2: CORE:</i></p>

2023 New Jersey Agricultural Convention & Trade Show – Educational Sessions & Workshops
at Harrah’s Resort and Waterfront Convention Center, Atlantic City, New Jersey

Thursday, February 9, 2023

WORKSHOPS

9:00 AM – 4:30 PM

WILDWOOD 4 & 5	WILDWOOD 6 & 7	WILDWOOD 8 & 9	WILDWOOD 2 & 3
<p>9AM - 5PM</p> <p>Produce Safety Alliance Training Wes Kline <i>Ag Agent, RCE Cumberland</i> Meredith Melendez <i>Ag Agent, RCE Mercer</i> Jennifer Matthews <i>Sr Prgrm Coordinator, RCE Cumberland</i></p> <p>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.</p> <p>Topics Include:</p> <ul style="list-style-type: none"> • 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 <p>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.</p> <p>The cost is \$50/per person, separate from the registration fee to the Vegetable Growers Convention. For more information, contact Brandi at (856) 451-2800 ext. 1 (lunch is on your own)</p> <p>Register at https://go.rutgers.edu/kcx1n6b</p> <p>This training is partly funded through grants from the United States Department of Agriculture & Food & Drug Administration.</p>	<p>9AM - 5PM</p> <p>Discovering Resilience Farm Law Workshop <i>Rutgers Beginner Farmer Program</i> Bill Hlubik <i>Ag Agent, RCE Middlesex</i> Bill Erickson <i>Ag Agent, RCE Monmouth</i> Brendon Pearsall <i>Prgrm Coordinator, RCE Middlesex</i> Alex Sawatsky <i>Rutgers Gardens</i></p> <p>Rachel Armstrong <i>Executive Director, Farm Commons</i> Join us for Discovering Resilience, a fun, plain-language workshop that answers your farm law questions and helps you move forward on the legal issues of most significance to specialty crop producers. No legal lingo in this engaging, energetic, useful workshop that will inspire participants to take concrete action to build stronger, more resilient farms!</p> <p>Attendees receive a workbook to help chart their path forward. Workshop covers the following legal subjects: Business structures</p> <ul style="list-style-type: none"> • Liability and insurance • Employment law • Diversification/value-added • Land matters <p>Farm Commons (farmcommons.org) is a national non-profit that provides legal workshops, timely resources, & a community for farmers, ranchers, & their service providers.</p> <p>The cost is \$50/per person, separate from the registration fee for the Vegetable Growers Convention. Register at: https://go.rutgers.edu/9juc7pmd</p>	<p>9AM - 5PM</p> <p>Farm Taxes, Recordkeeping, Farm Financial Management & Best Management Practices Including Dealing with H2A Tax Challenges Robin G. Brumfield <i>RCE Ext Specialist in Farm Management</i></p> <p>Adam J. Kantrovich, Ph.D. <i>Clemson University Cooperative Extension</i> <i>Extension Specialist, Agribusiness</i> <i>Director of Clemson Tax School</i> <i>Asst. Director of Clemson Extension</i> <i>Agribusiness Team</i> and J.C. Hobbs <i>RCE Ext Specialist - Agricultural Economics</i> <i>Oklahoma State University</i></p> <p><i>Topics also include:</i></p> <ul style="list-style-type: none"> • H2A Tax Challenges • Farm tax basics • Common tax management strategies • Employee vs. Contractor • <p>This two-hour session will contain discussion of what a good plan should contain, who should be involved, resources that are available, and variables to consider when developing a plan. This may include but is not limited to the types of documents that need to be prepared in-place for succession and estate planning.</p>	<p>10 AM</p> <p>On-Site Pesticide Certification Testing for New & Renewing Applicators <i>Rutgers Office of Continuing Professional Education</i> You MUST PRE-REGISTER ONLINE at https://pacer.rutgers.edu/</p> <p>Sign up to take ANY category/CORE exam by pre-registering through the Rutgers OCPE PACER registration website. Registration closes the week before the exam. NO on-site registration will be available at the conference. Follow the steps below to register and select which exam to take.</p> <p>Costs for taking on-site exams are:</p> <ul style="list-style-type: none"> • Private exam \$50 • CORE exam \$115 • Category exams \$115 <p>APPLICATION PROCESS: (Detailed steps to register are also available in “Help for Users” on this page under “Online Help” Log into: https://pacer.rutgers.edu/)</p> <ul style="list-style-type: none"> • Create an Account (click on “User Registration” or “Account,” in “Create an Account Box”) • Create Application (in top menu bar or click “Application” under “Welcome to Dashboard”) • Select exam(s), scroll down and “Confirm” • Upload required paperwork for selected exam(s) • Schedule exam(s); Pay for exam(s) • Applications are reviewed within 1-2 business days of submission • What to Expect? An email will be sent with application status. <ul style="list-style-type: none"> ○ If Approved (in-person exam): A confirmation email will be sent. ○ If Denied, an email will be sent with instructions on how to proceed