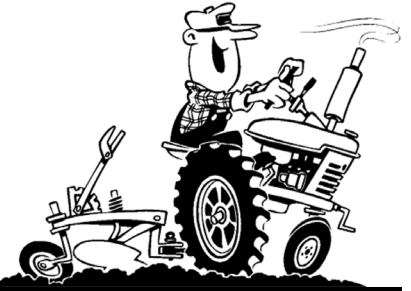


Cultivating Cumberland

January- 2022

Vol. 27, Issue 1



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Attachments:

- 2022 Vegetable Growers Program
- VGA Nursery and Ornamental Track Flyer
- Executive Dean Report to the NJ State Board of Agriculture

The office remains closed to the public

2022 FARMER TRUCK CERTIFICATE APPLICATIONS

BY MAIL ONLY

Pickup Applications: You may pick up an application from the tote outside of our front door. No contact with employees or entrance to the building will be allowed.

Email for an Application: You may also email for an application. Please email KatieSi@co.cumberland.nj.us

Please include the following with your completed 2022 application (one for each registration name/address)

A self-addressed AND postage stamped envelope (for us to mail your certificate to you)

Ensure the application matches your registration exactly

Mail to: Rutgers Cooperative Extension
Ag Department
291 Morton Avenue
Millville, NJ 0332

Certificates are dropped off at the post office the same day they are received. Please include a note with your phone number if you have a nearing DMV appointment scheduled or other issue.

Thank you, happy farming!

CUMBERLAND COUNTY COVID-19 TESTING LOCATIONS:

Grapefruit Testing

COVID-19 Testing and Consulting Services

(grapefruithealth.net)

1100 Coombs Rd. Millville, NJ 08332

Millville School District, Child Care Center

Monday - Friday - 7am - 4:30pm

625 N 7th St, Millville, NJ 08332

Millville School District Maintenance Garage

Monday - Friday - 7am - 7pm

Saturday & Sunday - 9am - 5pm

CompleteCare Health Network

Please schedule an appointment

at (856) 451-4700 or visit CompleteCareNJ.org.

PCR tests will be available.

There will be no rapid testing at this location.

1026 North High St., Millville, NJ (Drive-Thru Testing)

Monday - Appointments Only 11:30 am - 4:20 pm

Tuesday - Appointments Only 4 pm - 8 pm

Wednesday - Appointments & Walk-Ins 11:30 am - 4:30 pm

Thursday - Appointments & Walk-Ins 4 - 8 pm

Friday - Appointments & Walk-Ins 11:30 am - 4:30 pm

Inspira Health - Urgent Care

By appointment only, COVID testing

Rapid and traditional testing available.

3722 East Landis Ave., Vineland, NJ

Testing being done at Testing Center, Cedar Street, Millville, NJ.

Please contact Inspira Health-Urgent Care at (856) 213-5900 to schedule an appointment

Vineland Health Department

Walk-ins welcome, no appointment needed.

No-swab Saliva PCR testing.

Rapid testing is not available.

Testing being done at Vineland Senior Center

103 S 6th Street, Vineland, NJ

Mondays - 9 am - 12 pm

Thursdays - 9am - 12 pm and 5 pm - 7:30 pm

Vineland Health Department Testing is for Symptomatic or Known-Exposure ONLY

Vineland Health Department is not a site for employment compliance testing.

Riverside Urgent Care

Walk-ins welcome, no appointment needed.

Rapid and traditional testing available.

301 S. Main Road, Vineland, NJ - (856) 692 - 0502

3403 S. Delsea Drive, Vineland, NJ - (856) 692 - 6974

Open 8:00 am - 8:00 pm - 7 days a week

CVS Drive Thru

Traditional Testing Available

1209 High Street, Millville, NJ 08332

3629 E. Landis Avenue, Vineland, NJ 08332

Must Schedule an appointment in advance at [cvs.com](https://www.cvs.com) - Testing 7 days a week

Rite Aid (Cumberland County)

Traditional Testing Available

52 East Broad St. Bridgeton, NJ 08302

1070 North Pearl St. Bridgeton, NJ 08302

907 N. Hight St. Millville, NJ 08332

1700 E. Main St. Millville, NJ 08332

2791 S. Delsea Dr. Vineland, NJ 08360

1889 S. Lincoln Ave. Vineland, NJ 08361

7 W. Landis Ave. Vineland, NJ 08360

970 N. Main Rd. Vineland, NJ 08360

COVID-19 testing available at no cost for anyone 18+ years of age. - Testing 7 days a week.

Website: [Riteaid.com](https://www.riteaid.com) - complete pre-screening & schedule an appointment. Rite Aid has partnered with Verily and will use its Baseline COVID-19 Program to provide screening, scheduling, and return of results to participants at Rite Aid testing sites.

Walgreens

Appointment required in advance at [walgreens.com](https://www.walgreens.com)

Testing 7 days a week

25 E. Broad St. Bridgeton, NJ 08302 - Rapid & Traditional

9 Landis Ave. Bridgeton, NJ 08302 - Traditional Only

1111 N. High St. Millville, NJ 08332 - Rapid Only

1015 N. Main Rd. Vineland, NJ 08360 - Rapid

YOU MAY ALSO GO ONTO THE NEW JERSEY WEBSITE FOR COVID TESTING LOCATIONS:

<https://covid19.nj.gov/pages/testing#test-sites>

ENTER YOUR ZIP CODE AND ALL OF THE TESTING SITES FOR CUMBERLAND COUNTY WILL BE LISTED

Your Input Needed on Vegetable Insect Pest Management

Rick VanVranken; Plant and Pest Advisory, December 21, 2021

Dear vegetable producer,

Joe Ingerson-Mahar and Kris Holmstrom are collaborating with researchers at Purdue University and The College of Wooster and are asking you to participate in a study titled "Insect Pest Management in Vegetable Crops Survey" (Purdue IRB protocol no. 2021-979). The purpose of this study is to gather information on insect pest management practices and strategies used by vegetable producers in the Great Lakes and Mid-Atlantic regions. The information provided will help direct pest management research and extension programs in specialty crop production.

You must be at least 18 years of age to participate. The survey will take approximately 20-25 minutes to complete. The survey is anonymous and the researchers have pledged to keep your data confidential. Only aggregated results will be reported in any publications or presentations about the study.

In appreciation of your participation in the survey, you can choose to enter a raffle for a hardcopy of one of two complimentary production guides: the Midwest Vegetable Production Guide for Commercial Growers (\$21 value), or the Mid-Atlantic Commercial Vegetable Production Guide (\$25 value). Instructions for entering the raffle will be given at the end of the survey.

To begin the online survey, go to https://wooster.co1.qualtrics.com/jfe/form/SV_3xiIW46yUrGrZrM

Participation in this study is voluntary and you may withdraw from participation at any time. If you have any questions, you may contact the researchers:

Dr. Carlo Moreno (First point of contact)
The College of Wooster
931 College Mall, Wooster, OH, 44691
Phone: 330-287-1982
Email: cmoreno@wooster.edu

Upcoming Webinar on Woodland Management

Kate Brown, December 22, 2021

Under the Farmland Assessment Act, woodland owners can be eligible for reduced property taxes if they follow a state-approved woodland management or forest stewardship plan. In fact, New Jersey has more than 228,000 acres of private woodlands currently being managed under the Farmland Assessment Act with practices that include reforestation, timber stand improvement, fish and wildlife habitat enhancement, fire hazard reduction, invasive species control, watershed protection, and wetland restoration.

If you'd like to learn more about woodland management or forest stewardship to qualify for farmland assessment, join the Rutgers Cooperative Extension 'Homesteading Academy' for their upcoming webinar "Woodland Management for Private Landowners in New Jersey". This lunchtime webinar will be held on Tuesday, January 11, 2022 from 12-1 p.m. and presented by Brian McDonald, a forester with the New Jersey Forest Service.



Brian McDonald, regional forester with the NJ Forest Service.

There is no cost to attend, but pre-registration is required to receive the Zoom link. Register today at <https://go.rutgers.edu/homesteading!>

If you have any questions, contact Kate Brown, Program Associate with RCE-Burlington County. Email kbrown@njaes.rutgers.edu or call 609-265-5050.

Joe Atchison III Named New Jersey Assistant Secretary of Agriculture

Jeff Wolfe, NDA, Dec 2021

TRENTON, N.J. – New Jersey Secretary of Agriculture Douglas Fisher announced the appointment of Joe Atchison III of Cherry Hill, N.J., as the Assistant Secretary of Agriculture. Atchison has been the Director of the Division of Marketing and Development and will continue in that role as well.

“Having worked for the Department of Agriculture for over 16 years, Joe has a wealth of experience in department operations and has served admirably in his capacity as Division Director,” Secretary Fisher said. “We look forward to working more with him in this leadership role.”

Atchison directs a division which handles promotion of New Jersey’s agricultural products via several programs, most notably, Jersey Fresh fruits and vegetables; conducts Food Safety Modernization Act and other critical inspections; administers several regulatory programs including organic and dairy registration; administers USDA Specialty Crop Block and other promotional grants; licensing and bonding; coordinates the New Jersey State Agricultural Convention; and oversees several equine programs including New Jersey Sire Stakes.

“I’m honored to be named Assistant Secretary of Agriculture and look forward to continuing to work with the Secretary, the State Board, the dedicated people at the Department and our state and federal partners to promote and support our farmers and advance the agricultural industry in the Garden State,” Atchison said.

Atchison is a Rutgers University School of Business graduate, where he earned a bachelor’s degree in Marketing and Management.

Deadline Extended to Apply for Pandemic Support for Certified Organic and Transitioning Operations

Dec. 21, 2021

WASHINGTON, — The U.S. Department of Agriculture (USDA) has extended the deadline for agricultural producers who are certified organic, or transitioning to organic, to apply for the Organic and Transitional Education and Certification Program (OTECP). This program provides pandemic assistance to cover certification and education expenses. The deadline to apply for 2020 and 2021 eligible expenses is now Feb. 4, 2022, rather than the original deadline of Jan. 7, 2022.

“We listened to feedback from our stakeholders and are happy to provide organic producers, and those transitioning their operations, enough time to learn about the program and complete the application,” said Zach Ducheneaux, FSA Administrator.

Program Background

Certified operations and transitional operations may apply for OTECP for eligible expenses paid during the 2020, 2021 and 2022 fiscal years. Signup for the 2022 fiscal year will be announced at a later date.

For each year, OTECP covers 25% of a certified operation’s eligible certification expenses, up to \$250 per certification category (crop, livestock, wild crop, handling and State Organic Program fee). This includes application fees, inspection fees, USDA organic certification costs, state organic program fees and more.

Crop and livestock operations transitioning to organic production may be eligible for 75% of a transitional operation’s eligible expenses, up to \$750, for each year. This includes fees charged by a certifying agent or consultant for pre-certification inspections and development of an organic system plan.

For both certified operations and transitional operations, OTECP covers 75% of the registration fees, up to \$200, per year, for educational events that include content related to organic production and handling in order to assist operations in increasing their knowledge of production and marketing practices that can improve their operations, increase resilience and expand available marketing opportunities. Additionally, both certified and transitional operations may be eligible for 75% of the expense of soil testing required under the National Organic Program (NOP) to document micronutrient deficiency, not to exceed \$100 per year.

Producers apply through their local FSA office and can also obtain one-on-one support with applications by calling 877-508-8364. The program application and additional information can be found at farmers.gov/otecp.

Food and Drug Administration Proposed Agricultural Water Revisions to Subpart E

Wesley Kline, December 10, 2021

Subpart E of the Food Safety Modernization Act Produce Safety Rule has been under review for some time. On December 6, 2021, FDA published in the Federal Register the proposed final rule. There is a 120-day comment period which ends April 5, 2022. Once the FDA reviews comments and publishes the final rule it will go into effect 60 days later. The proposed rule applies to anyone who produces fresh fruits or vegetables and sales over \$25,000 annually.

Federal Register: <https://www.federalregister.gov/documents/2021/12/06/2021-26127/standards-for-the-growing-harvesting-packing-and-holding-of-produce-for-human-consumption-relating>. The proposed rule is 35 pages – 69120 to 69155 (small print). The actual proposed rule starts on page 69130.

The current agricultural water compliance dates are set to begin in January 2022, but FDA intends to exercise enforcement discretion for the agricultural water requirements for covered produce (other than sprouts) while proposing to extend the compliance dates for ALL Subpart E provisions. More information about the proposed compliance dates will be announced in the Federal Register and we will publicize those dates when announced.

FDA is looking for comments that are thoughtful and substantive, containing real life examples and solutions will assist them in creating a document that better suits the needs of fresh produce farmers across the country.

The On-Farm Food Safety Team has started to review the proposed rule. We will be sending out more information with areas where you may want to comment in the next few weeks.

Following are the instructions for making comments:

Proposed Standards for the Growing, Harvesting, Packing, and Holding of Produce for Human Consumption Relating to Agricultural Water: <https://public-inspection.federalregister.gov/2021-26127.pdf>

Submit electronic comments in the following way:

Comments submitted electronically, including attachments, to <https://www.regulations.gov> will be posted to the docket unchanged. Because your comment will be made public, you are solely responsible for ensuring that your comment does not include any confidential information that you or a third party may not wish to be posted, such as medical information, your or anyone else's Social Security number, or confidential business information, such as a manufacturing process. Please note that if you include your name, contact information, or other information that identifies you in the body of your comments, that information will be posted on <https://www.regulations.gov>. If you want to submit a comment with confidential information that

you do not wish to be made available to the public, submit the comment as a written/paper submission and in the manner detailed (see “Written/Paper Submissions” and “Instructions.”)

Mail/Hand Delivery/Courier (for written/paper submissions):

Dockets Management Staff (HFA-305), Food and Drug Administration, 5630 Fishers Lane, Rm. 1061, Rockville, MD 20852.

For written/paper comments submitted to the Dockets Management Staff, FDA will post your comment, as well as any attachments, except for information submitted, marked, and identified as confidential, if submitted as detailed in “Instructions.”

Instructions: All submissions received must include the Docket No. FDA-2021-N-0471 for “Standards for the Growing, Harvesting, Packing, and Holding of Produce for Human Consumption Relating to Agricultural Water.” Received comments will be placed in the docket and, except for those submitted as “Confidential Submissions,” publicly viewable at <https://www.regulations.gov> or at Dockets Management Staff between 9 a.m. and 4 p.m. Eastern Time, Monday through Friday, 240-402-7500.

Confidential Submissions—To submit a comment with confidential information that you do not wish to be made publicly available, submit your comments only as a written/paper submission. You should submit two copies total. One copy will include the information you claim to be confidential with a heading or cover note that states “THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION.” The Agency will review this copy, including the claimed confidential information, in its consideration of comments. The second copy, which will have the claimed confidential information redacted/blacked out, will be available for public viewing and posted on <https://www.regulations.gov>. Submit both copies to the Dockets Management Staff. If you do not wish your name and contact information to be made publicly available, you can provide this information on the cover sheet and not in the body of your comments and you must identify this information as “confidential.” Any information marked as “confidential” will not be disclosed except in accordance with 21 CFR 10.20 and other applicable disclosure law. For more information about FDA's posting of comments to public dockets, see 80 FR 56469, September 18, 2015, or access the information at: <https://www.govinfo.gov/content/pkg/FR-2015-09-18/pdf/2015-23389.pdf>.

A Simple, Inexpensive, DIY System for Controlling the Height of High Tunnel Sidewall Rollbars Remotely

The Ohio State University VEGNET NEWSLETTER Vegetable and Fruit Crop News, December 19, 2021

The Problem

High tunnel growers come to know through trial and error and some hardship that their success depends on managing the temperature and other conditions inside the high tunnel with care. That is, that maximum yield and quality are possible only when conditions inside the tunnel and near the crop are optimal as often as possible. High tunnel growers also come to learn that achieving optimal conditions round-the-clock and day after day is difficult and costly in various ways. For example, it is difficult because crop needs and conditions outside the tunnel can change dramatically and quickly, especially during key points in the crop cycle in spring and fall. Reacting to changes in crop need and other must-dos on the farm can be challenging. Managing temperature and other conditions inside the tunnel usually also requires undesirable investments in time, effort, and money. Of course, conditions inside the tunnel are usually set by controlling the extent to which sidewalls, vents, and/or doors are open, with the height of sidewall rollbars being particularly significant. The trouble is that the position of most sidewall rollbars is set by hand. This requires the grower or another person to stop what they are doing, travel/go to the high tunnel, and reposition the rollbars manually. This commitment and expense are unfortunate enough. However, the fact that it may need to be done multiple times per day for many days in a row for conditions near the crop to remain optimal becomes problematic for many high tunnel growers. They are required to choose between: (a) continually repositioning sidewall rollbar heights (“babysitting” the tunnel) at some direct cost and at the expense of engaging in other activities or (b) setting sidewall rollbar position at a “compromise” height and accepting the consequences of conditions (e.g., temperature, wind) being above- or below-optimal for potentially lengthy periods. In our view, high tunnel growers should not be required to have to make that choice.

Existing and New Solutions

Various companies (e.g., <https://www.advancingalternatives.com>) agree and offer automated ventilation control systems involving sensors, a control panel, and sidewall motors. We have had a version of the Advancing Alternatives system on a moveable Rimol high tunnel since 2015 and have been very pleased with both (control system, high tunnel). The high tunnel’s sidewall motors, endwall vents, inflation fan, and control panel are all powered by a standard 12-volt battery charged by one medium-size solar panel. It’s an impressive system. However, we are also aware that fully automated approaches to ventilation can cost more than some growers are willing or able to pay and place control of the high tunnel conditions largely in the hands of the control panel, not the grower.

Therefore, we have been working to develop a low cost, DIY way to control sidewall motors remotely that keeps the grower directly in control of sidewall position (e.g., to account for conditions that a fully automated system may not monitor, at least without additional cost).

Alex Herridge will soon complete his undergraduate degree in Computer Science and Engineering at The OSU and his contributions to the effort have turned the idea for this alternative, grower-friendly system into reality. Full plans for the system will be available in a separate publication soon but its key features include:

1. Standard sidewall motors powered by a battery-solar panel combination, as described above;

- 2. A standard voltage-regulating unit converting 12 volts from the battery to 24 volts needed by the motors (approx. \$80.00);
- 2. A motor controller (available at electronics stores or online for approx. \$15.00);
- 3. An off-the-shelf, WiFi-enabled microcontroller to act as the brains of the system (approx. \$5);
- 4. WiFi already present on the farm property or wireless access with a hotspot or similar (\$0 to monthly charge typical of a mobile phone plan); and
- 5. Code for the motor controller (no charge).



To proceed, motors are attached to sidewall bars and powered and a basic network connection linking the grower’s phone (or other device) and the microcontroller is established. The entire process can be completed in approximately four hours once all materials and WiFi are on site. Thereafter, the sidewall motors can be controlled with one’s mobile phone or other linked device using a simple interface setup for the purpose. Pictures of the preliminary, bare-bones version of the interface we used to raise and lower a sidewall bar on a high tunnel at OARDC on December 13 are given here. The bottom-line of this approach and system is that it will allow growers to raise and lower sidewalls from wherever they have internet access using low cost, off-the-shelf hardware. Watch for additional posts regarding this system at VegNet and other locations and contact me (Matt Kleinhenz; kleinhenz.1@osu.edu; 330.263.3810) if you are interested in learning more about or testing the system on your farm.



(OSU Computer Science and Engineering student with the motor and micro controllers and standard battery charged by a solar panel.)

(Exterior of the Rimol moveable high tunnel and the solar panel used to charge the battery powering rollbar motors, endwall vents, inflation fan, and control panel.)

(Simple, password-protected interface for controlling sidewall rollbar position. Usable from anywhere the owner has internet access and allowing them to control sidewall rollbar height remotely.)



Motor 0

The current motor speed is 0

[Forward](#)

[Back](#)

[Stop](#)

Motor forward 0

Motor reverse 0

Motor stopped 1

Motor force stopped 0

Motor speed 1

Cut Costs (Not Fingers) When Prepping Firewood

Using a high-efficiency wood or pellet stove can be a cost-effective way to reduce your home heating costs compared to other fuels like natural gas, fuel oil, or electricity. According to Penn State Extension, the greatest savings are realized when you cut your own firewood rather than opting to buy pellets or have cordwood delivered. However, there are several hazards associated with use of a chainsaw or ax for felling trees or splitting firewood; the CDC estimates 36,000 people visit hospital emergency departments annually for injuries caused by chainsaws. If you plan to cut your own firewood this winter, it's important to keep safety top of mind.

Protect yourself: dress appropriately, wear personal protective equipment, be familiar with your equipment and keep it in good working order, practice situational awareness.

- Proper attire includes:
 - Fitted clothing
 - Safety glasses or goggles
 - Cut-resistant legwear or full-length chaps
 - Sturdy leather boots that cover your ankles
 - Heavy work gloves when working with a chainsaw or handling wood
 - A hard hat when there is a risk of being struck over the head (e.g. trimming limbs, felling trees)
 - Hearing protection when utilizing a chainsaw
- Read the manufacturer's instructions for your chainsaw to understand the safety features in place
- Work only with a sharp, well-maintained ax or chain saw
- Chop wood on the ground or on a large, stable log
- Use the right sized equipment for the job
- Continuously keep the work area clear of any trip hazards
- Stay alert by keeping yourself warm, hydrated and fed; take breaks frequently



USDA Photo by Lance Cheung

Protect others: keep bystanders away, store equipment safely when not in use

- Bystanders should be 30 ft. away when you are trimming limbs or cutting fallen trees; keep bystanders 150 ft. away or more when felling trees
- When not in use, keep axes and chainsaws out of reach of others – particularly children
 - Never leave an ax leaning up against a stump or wall as this creates a dangerous tripping hazard
 - Use an ax sheath to cover an ax when it's not in use
 - The best place to store equipment is in a locked room or cabinet

Felling trees properly and safely requires specific techniques. If you are planning to fell even one tree this winter, prepare yourself by reading extensively about these techniques and do not hesitate to reach out to a professional forester or certified tree expert for advice.

References

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- West, D. "Safety in the Woods." NYCAMH, October 2000. <https://www.nycamh.org/resources/articles.php#logging>. Accessed 22 November 2021. December 11, 2021 Kate Brown

Check out these new NJAES publications...

- FS1338 Carolina Redroot (*Lachnanthes carliniana*) Identification and Control
njaes.rutgers.edu/fs1338
- FS1339 Crabgrass Integration in New Jersey Horse Pastures
njaes.rutgers.edu/fs1339

Calendar of Events

- Indicates a newly added event or more information since the last calendar

January 8-15, 2022

PA Farm Show; PA Farm Show Complex, 2300 N. Cameron St., Harrisburg, PA; This is the 106th annual farm show; In-person event; Fine more information at farmshow.pa.gov/pafarmshow/

January 11-13, 2022

Empire State Producers Expo; The Oncenter, 800 South State St, Syracuse, NY 13202; Agricultural trade show and education for the fruit and vegetable grower and marketer; 45 educational sessions; For exhibitor information call (800) 218-5586 or email dwren@leepub.com; Program details and online registration at nysvga.org/expo

January 18, 2022

Organic Honey Bee Colony Management Series; Online Zoom Event with PennState Extension; Every Tuesday starting January 18th for 6 weeks; 3:30PM - 4:45PM; Intermediate level workshop: Have been keeping bees for 3 years, have an understanding of beekeeping terms and jargon; Find more information and sign up at <https://extension.psu.edu/organic-honey-bee-colony-management-series>

January 26-28, 2022

Annual Greenhouse Management Workshop by Ohio State University College of Food, Agricultural and Environmental Sciences (CFAES); ZOOM; The workshop will focus on integrated management of insects and diseases, with the speakers being experts from CFAES, the U.S. Department of Agriculture-Agricultural Research Service (USDA-ARS), and industry. Hours are 9 a.m. to 1 p.m. EST on all three days of the program. The \$60 registration fee can be paid online at go.osu.edu/CD4p or by mail using the registration form available at go.osu.edu/CD4k. Registrants will receive Zoom links for the workshop on Jan. 23, 2022. For more information, visit fabe.osu.edu/greenhouse or contact Mary Wicks, CFAES FABE, wicks.14@osu.edu, 330-202-3533.

January 31, 2022

Harmonized Audit Training; Online Event; 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; \$25.00 per person; Deadline to register 1/27/22; Hosted by the Rutgers On-Farm Food Safety; Register online at rutgersonfarmfoodsafety.eventbrite.com

January 31– February 2, 2022

Global Organic Produce Expo 2022; Seminole Hard Rock Casino & Resort, Hollywood, FL; As the only globally driven show for organic produce, this show creates a forum for unique and specific opportunities. Network, exchange ideas, source new products and services, and do business with the industry's leading growers, distributors, packer and retailers. Register online at <https://events.farmjournal.com/global-organic-produce-expo-2022/home>

February 1-2, 2022

Total Pro Professional Landscape, Nursery & Hardscape Expo & Conference; New Jersey Convention Center, Edison, NJ; The Northeast's professional landscaping event of the year! Trade show, education, equipment and supplies, discover new products, suppliers and services and much more! Early bird registration open now at \$20.00. Use code BLUEBIRD; Find more information or register at totalproexpo.com

February 1-3, 2022

Mid-Atlantic Fruit and Vegetable Convention; Hershey Lodge, PA; The premier grower meeting in the Northeast, normally combining three days of six or more concurrent educational sessions with a large industry trade show and numerous networking opportunities. Find more information at www.mafvc.org

• February 7-8, 2021

2022 Delmarva Soil Summit; Virtual and in-person; The virtual (\$80) and in-person (\$100) tickets cover both conference days. The in-person option includes meals, research updates, poster session and conference reception. All participants will receive networking opportunities during the event, as well as access to all recordings of keynote and breakout sessions for one full year. Scholarships are available to help defray the cost of attendance for those in need.

For more information or to purchase tickets, visit www.DelmarvaSoilSummit.com.

February 8-10, 2022

2022 NJ Agricultural Convention and Trade Show; Atlantic City, NJ; Vegetable Growers Association will hold their annual convention with educational sessions and trade show. Save the date! Find more information at vganj.com

February 10, 2022

Food Safety Modernization Act: Produce Safety Alliance Grower Training, NJ Ag Convention, Atlantic City, NJ; You MUST be registered for the Vegetable Growers Association of New Jersey Conference to attend this program. Find more information and register online at <https://go.rutgers.edu/t5gdoyn>

February 10-12, 2022

2022 Sustainable Agriculture Conference; Lancaster, PA; Features a virtual pre-conference and an in-person main conference and trade show; Virtual conference is January 4-28; In person conference is February 10-12; Be part of one of the largest gatherings of sustainable farmers, food system professionals, and changemakers in the nation; Find more information and register at <https://cvent.me/28WQ3G>

March 2, 2022

Harmonized Audit Training; Online Event; 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; \$25.00 per person; Deadline to register 2/26/22; Hosted by the Rutgers On-Farm Food Safety; Register online at rutgersonfarmfoodsafety.eventbrite.com

• March 7-11, 2022

2022 Florida Postharvest Horticulture Tour; 7 AM EST, FiField Hall, University of Florida, 2550 Hull Rd., Gainesville, FL 32611; Want to learn how fresh subtropical, tropical and temperate fruits, vegetables and ornamental crops are handled. With exclusive, behind-the-scene visits hosted by top management, the group becomes familiar with a variety of methods and technologies employed to harvest, pack, cool, ship and receive fresh crops. This program is coordinated by Dr. Steven Sargent and Dr. Mark Ritenour, specialists in the area of postharvest technology at the University of Florida/IFAS. Registration and information at <https://www.ift.org/events/event-listing/2022/mar/florida-postharvest-horticulture-tour>

• March 30-31, 2022

2nd Florida International Agriculture Innovation Summit; Registration is free. Registration and more information at <https://www.fiba.io/florida-international-agriculture-innovation-summit/>. A full summit agenda, including panels, speakers, and special guests, will be announced in early 2022.

Regularly Scheduled Meetings

Pesticide
Credit Exams

Cumberland County
Agriculture Development Board

Cumberland County
Board of Agriculture

Testing is currently being held virtually because of the COVID pandemic.

Virtual Meetings Information can be found on the Public Meeting Calendar on co.cumberland.nj.us

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

Rutgers will be taking over the pesticide exam program.

Meetings start at 7 p.m.

Meetings are held on the 3rd Thursday of each month at 7 p.m.

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

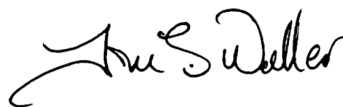
For more information call the Dept. of Planning, Tourism, and Community Affairs at 856-453-2175

For more information call Keith MacIndoe, President at 856-207-7773

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
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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

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Cooperative Extension of Cumberland County



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RUTGERS
New Jersey Agricultural
Experiment Station

2022 NJ Agricultural Convention & Trade Show NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Tuesday Morning, February 8, 2022

9:30 am – 11:45 am

Agronomy	Wine Grapes	Organic Production	General Vegetables I	Nursery I
<p>Steve Komar & William Bamka <i>RCE Agricultural Agents, Sussex & Burlington</i></p>	<p>Hemant Gohil <i>RCE Agricultural Agent, Gloucester</i></p>	<p>Megan Muehlbauer <i>RCE Agricultural Agent, Hunterdon</i></p>	<p>Andy Wyenandt <i>RCE Specialist in Vegetable Pathology</i></p>	<p>William Errickson <i>RCE Agricultural Agent, Monmouth</i></p>
<p>9:30 am Warm-Season Grasses for Hay Production? Hank Bignell Rutgers Cooperative Extension</p>	<p>9:30 am Management and Behavior of SLF in NJ Wine Grapes Anne Nielsen RCE Specialist In Entomology</p>	<p>9:30 am Alternative Weed Management Strategies 101 Kate Brown <i>RCE Program Associate</i></p>	<p>9:30 am Vegetable Disease Control Andy Wyenandt <i>RCE Specialist in Vegetable Pathology</i></p>	<p>9:30 am Native Plants for the NJ Landscape William Errickson <i>RCE Agricultural Agent, Monmouth</i></p>
<p>10:00 am A Review of the 2021 Hemp Season: The Future of hemp in NJ Bill Bamka Rutgers Cooperative Extension</p>	<p>10:00 am Grapevine Trunk Diseases and their Management Leslie Holland Extension Specialist Uni. of Wisconsin</p>	<p>10:00 am Efficacy of Herbicides labeled for Organic Production on Specialty Crop Priority Weed Species Meredith Melendez <i>RCE Mercer Ag Agent</i></p>	<p>10:00 am Update on the Rutgers Basil Breeding Program Lara Brindisi <i>Graduate Student, Rutgers Plant Biology</i></p>	<p>10:00 am Building More Sustainable Landscape Designs with Grasses & Sedges Brian Oleksak <i>Assoc Professor, Landscape & Hort. Tech, County College of Morris</i></p>
<p>10:30 Alternative Small Grains for New Jersey: An Overview of 2021 Research Trials Stephen Komar Rutgers Cooperative extension</p>	<p>10:30 am Herbicide Usage in NJ Vineyards Thierry Besancon RCE Specialist In Weed Science</p>	<p>10:45 am Organic vs. Conventional Soil Quality in High Tunnels Elsa Sanchez <i>Penn State University Professor of Horticultural Systems Management</i></p>	<p>10:45 am Understanding Bacterial Leaf Spot Populations and Copper Resistance Development in NJ Radhika Patel <i>Graduate Student, Rutgers Plant Biology</i></p>	<p>10:45 am Managing Emerging Invasive Species and Native Alternatives Michele Bakacs <i>RCE Natural Resources Agent, Middlesex</i></p>
<p>11:00 Panel Discussion A Needs Assessment of Field and Forage Crop Programming in NJ Stephen Komar and Bill Bamka Rutgers Cooperative Extension</p>	<p>11:00 am Best Practices for Vineyard Nitrogen Management Joseph Heckman RCE Specialist In Soil Fertility</p>	<p>11:00 am Organic Livestock Production Hank Bignell <i>RCE Senior Program Coordinator</i></p>	<p>11:15 am X10R Bell Pepper Varieties for NJ Wesley Kline <i>RCE Cumberland Ag Agent</i></p>	<p>11:15 am Plant Phenology Indicators for Scouting & Controlling Insects Steve Rettke <i>RCE Program Associate in Nursery IPM</i></p>
<p>11:45 am Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>11:45 am Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>11:45 am Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>11:45 am Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>11:45 am Questions & Recertification Credits <i>Pesticide Credits</i></p>

Tuesday Workshop

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

2022 NJ Agricultural Convention & Trade Show NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Tuesday Afternoon, February 8, 2022

2:45 pm – 5:00 pm

Soil Health	Gazing in the Crystal Ball– Future of NJ Agriculture I	Agrivoltaics	General Vegetables II	Nursery II
<p>Michelle Infante-Casella <i>RCE Agricultural Agent, Gloucester</i></p>	<p>Rick VanVranken <i>RCE Agricultural Agent, Atlantic</i></p>	<p>A.J. Both <i>RCE Specialist in Ag Engineering</i></p>	<p>Robin Brumfield <i>RCE Specialist in Farm Management</i></p>	<p>Timothy Waller <i>RCE Agricultural Agent, Cumberland</i></p>
<p>2:45 pm Using Animal Manure and Compost for Soil Fertility in Crops Stephen Komar <i>RCE, Sussex Ag Agent</i></p>	<p>2:45 pm Automating Agriculture with AI (Artificial Intelligence) Brent Shedd <i>CEO, Stout AgTech Salinas, CA</i></p>	<p>2:45 pm What is Agrivoltaics? A.J. Both <i>RCE Specialist in Bioresource Engineering</i></p>	<p>2:45 pm Turning Those New Customers into Permanent Customers Bridget Behe <i>Professor of Horticulture Michigan State U</i></p>	<p>2:45 pm Information from Our Exhibitors</p>
<p>3:30 pm Using Cover Crops as a Weed Management Strategy William Bamka <i>RCE, Burlington Ag Agent</i></p>	<p>3:30 pm Partnering with the NJ Dept of Health to Keep Your Employees Healthy During the Pandemic Omolola Taiwo <i>Exec Director, Office of Primary Care & Rural Health, NJ Dept of Health</i></p>	<p>3:30 pm Agrivoltaic System Performance Dunbar Birnie <i>Professor of Material Science/Engineering Rutgers University</i></p>	<p>3:15 pm How PACA Helps Insure I Get Paid When My Customer Declares Bankruptcy Robert Brennan <i>Federal Investigator, USDA Ag Marketing Serv</i></p>	<p>3:00 pm Managing Red-headed Flea Beetle Larvae and Adults Danny Lauderdale <i>(1-hour session) NC Cooperative Extension Area Specialized Agent- Commercial Ornamental Nursery & Greenhouse</i></p>
<p>4:00 pm Using Cover Crops for Water Quality Protection and Nutrient Retention Michelle Infante-Casella <i>RCE, Gloucester Ag Agent</i></p>	<p>4:00 pm Consumer Perceptions of New Biotechnology Labels Cara L. Cuite <i>RCE Specialist in Human Ecology</i></p>	<p>4:00 pm Agrivoltaics at Rutgers & Other NJ Stakeholders David Specca <i>Assistant Director NJ Ecocomplex</i></p>	<p>4:00 pm Managing My Farm Through the Pandemic Ashley Reese <i>Sales Manager, Eastmont Orchards, Colts Neck, NJ</i></p>	<p>4:00 pm Diagnostic Tips for the Nursery and Landscape Rich Buckley <i>Rutgers Plant Diagnostic Laboratory, NJAES</i></p>
<p>4:30 pm Building Soil Fertility & Soil Health with “Community Supported Soil Fertility” Joe Heckman <i>RCE Specialist in Soil Fertility, Rutgers NJAES</i></p>	<p>4:30 pm TBD</p>	<p>4:30 pm Preliminary Review of the Economics of Agrivoltaics Kevin Sullivan <i>Assistant Director of Statistical Analysis Rutgers University</i></p>	<p>4:30 pm pm Vegetable Pest Management Update Thomas Kuhar, Professor of Entomology Virginia Tech</p>	<p>4:30 pm Detection & Management of Phytophthora in Conifers Timothy Waller <i>RCE, Cumberland Ag Agent – Nursery Crops</i></p>
<p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>

2022 NJ Agricultural Convention & Trade Show NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Wednesday Morning, February 9, 2022

9:30 am – 11:45 am

<p>Blueberry <i>Gary Pavlis</i> <i>RCE Agricultural Agent, Atlantic</i></p> <p>9:30 Three diseases...Three Strategies. Peter Oudemans, <i>RCE Specialist in Small Fruit Pathology</i></p> <p>10:15 A Multi-stage Approach to Manage Plum Curculio. Cesar Rodriguez-Saona <i>RCE Specialist in Small Fruit Entomology</i></p> <p>10:45 What We Know About Honeybee Health During Blueberry Pollination Dean Polk <i>RCE Fruit IPM Agricultural Agent</i></p> <p>11:15 Advances in Blueberry 'Omics' Jim Polashock <i>Plant Pathologist, USDA-ARS</i></p> <p>11:45 Cultivation Methods for Container Grown Blueberries Bill Sciarappa <i>RCE Agriculture & Natural Resource Agent</i></p> <p>11:45 am Questions & Recertification Credits <i>Pesticide Credit</i></p>	<p>Small Fruit/Strawberry <i>Pete Nitzsche</i> <i>RCE Agricultural Agent, Morris</i></p> <p>9:30 am Rutgers NJAES Strawberry Development and Release Program Update & Tips for Production and Marketing Strawberries William Hlubik <i>RCE Agricultural Agent, Middlesex</i></p> <p>10:00 am Weed Management in Small Fruits Wayne Mitchem <i>Tree Fruit Weed Management Extension Associate NC State Extension</i></p> <p>10:30 am Growing & Marketing Blackberries in NJ Neil Pastore III <i>Owner, Pastore Orchards Winslow Twnshp, NJ</i></p> <p>11:15 am An Introduction to Strawberry Flower Mapping Ed Durner <i>Rutgers Assoc Professor of Plant Bio</i></p> <p>11:45 am Questions & Recertification Credits WORKSHOP 11:45 am Strawberry Flower Mapping (pre-registration required)</p>	<p>Gazing in the Crystal Ball– Future of NJ Agriculture II <i>Rick VanVranken</i> <i>RCE Agricultural Agent, Atlantic</i></p> <p>9:30 am WTF is Regenerative Agriculture? Patrick Clark <i>Technical Product Development Manager at BioSafe Systems Newark, DE</i></p> <p>10:00 am Robots & Other New Tech Tools in the Field Lee Fiocchi III <i>Owner, Lee Rain Inc. Vineland, NJ</i></p> <p>10:30 am Plasma-Arc Seed Germination Enhancement & "Sprouts CIP" Mukund V. Karwe <i>Rutgers Distinguished Professor of Food Engineering</i></p> <p>11:00 am Automated Transplanting Systems Danielle Michaels <i>CEO, PlantTape Inc. Salinas, CA</i></p> <p>11:45 am Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>Specialty Crops <i>William Sciarappa</i> <i>RCE Agricultural Agent</i> 9:30 am Roselle as a New Leafy Green Jim Simon <i>RCE Specialist in New Crops</i></p> <p>10:00 am Breeding, Growing & Marketing RU Habanero Peppers Jim Simon Bill Sciarappa Trevor Styles <i>Undergrad Researcher Rutgers Plant Bio</i></p> <p>10:30 am Growing & Evaluating Tropical/Summer Spinach Tori Rosen <i>Graduate Researcher Rutgers Plant Bio</i> Jim Simon</p> <p>11:00 am Hemp Management for CBD Production Raul Cabrera <i>RCE Specialist in Nursery Crops</i></p> <p>11:45 am Questions & Recertification Credits <i>Pesticide Credit</i></p>
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Workshop

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

VGANJ/NJDA Joint Session

1:30 pm – 2:30 pm - NJDA's New Farmland Assessment Mapping Tool

2022 NJ Agricultural Convention & Trade Show NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Wednesday Afternoon, February 9, 2022

2:45 pm – 5:00 pm

<p>Food Safety <i>Meredith Melendez</i> <i>RCE Agricultural Agent, Mercer</i></p>	<p>Integrated Pest Management <i>Kris Holmstrom & Joe Ingerson-Mahar</i> <i>RCE Vegetable IPM Program</i></p>	<p>New Crops & Innovative Marketing ideas <i>Bill Hlubik</i> <i>RCE Agricultural Agent, Middlesex</i></p>	<p>Weed Management <i>Thierry Besançon</i> <i>RCE Specialist in Weed Science</i></p>
<p>3:00 pm Options for Sanitizing Irrigation Water Faith Critzer <i>University of Georgia</i></p>	<p>2:45 Corn earworm control update for conventional & organic sweet corn systems Dr. Tom Kuhar <i>Virginia Tech/RCE IPM Program</i></p>	<p>2:45 Growing & Marketing Fresh Baby Ginger with DIY Low Cost Movable High Tunnels William Errickson <i>RCE Monmouth Agric Agent</i></p>	<p>2:45 Herbicides: History, Use, and Basic Terminology Lynn Sosnoskie <i>Cornell University</i></p>
<p>3:30 pm Effective Worker Training Strategies Phil Tocco <i>Michigan State University</i></p>	<p>3:15 Update on controlling foliar and fruit rot pathogens of pumpkin Dr. Andy Wyenandt <i>RCE Specialist in Vegetable Pathology</i></p>	<p>3:15 Getting Started Growing High Value Mushrooms on the Farm Brendon Pearsall <i>State Coordinator, NJAES Beginner Farmer Program</i></p>	<p>3:15 Herbicide Modes of Action and Symptomology: The Photosynthesis Inhibitors Thierry Besançon <i>RCE Specialist in Weed Science</i></p>
<p>4:00 pm Risk Based Thinking for Ag Food Safety Don Schaffner <i>RCE Specialist in Food Science</i></p>	<p>4:00 Managing diamondback moth and whiteflies in Georgia: a lesson in insecticide resistance management Dr. David Riley <i>Vegetable Entomologist Univ. Of Georgia</i></p>	<p>3:45 Hazelnuts: An Exciting New Low-Input Crop to Extend Your Season and Increase Profits David Hlubik Ph.D. Student Rutgers University Department of Plant Biology</p>	<p>4:00 Herbicide Modes of Action and Symptomology: The Cell Division and PGRs Inhibitors Lynn Sosnoskie <i>Cornell University</i></p>
<p>4:30 pm Third Party Audit and FSMA Update Chris Kleinguenther <i>New Jersey Dept of Agriculture</i></p> <p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>4:30 Evaluating Silk Spray Rotations of an OMRI Approved Spinosyn and Nucleopolyhedrovirus for Managing Corn Earworm in Organic Sweet Corn Kristian Holmstrom <i>Rutgers Vegetable IPM Program</i></p> <p>4:40 The Future of Pepper Weevil Management in New Jersey Dr. Joseph Ingerson-Mahar <i>Rutgers Vegetable IPM Program</i></p> <p>5:00 pm Questions & Recertification Credits</p>	<p>4:15 Attract New Customers with Innovative Flower Production and Marketing Strategies Rose Robson Owner/Manager Robson Farms Wrightstown, NJ</p> <p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>	<p>4:30 Herbicide Off-Target Movement and Carryover Thierry Besançon <i>RCE Specialist in Weed Science</i></p> <p>5:00 pm Questions & Recertification Credits <i>Pesticide Credits</i></p>

2022 NJ Agricultural Convention & Trade Show NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Thursday Day, February 10, 2022
WORKSHOPS

**FSMA Produce Safety Rule
Grower Training**
9:00 am – 4:30 pm

Wesley Kline, Cumberland County, RCE, Ag Agent
Meredith Melendez, Mercer County, RCE, Ag Agent
Jennifer Matthews, RCE, Senior Program Coordinator,
Cumberland County

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

Topics Include:

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

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

The cost is \$50/person, separate from the registration fee to the Vegetable Growers Convention.

To register go to:

<https://go.rutgers.edu/t5qdoynn>

or for more information, contact Brandi at (856) 451-2800 ext. 1 (lunch is on your own)

This training is partly funded through grants from the New Jersey Department of Agriculture and US Food & Drug Administration

Beginner Farmers Training Session

9:00 am – 4:30 pm

This training session is intended for participants looking to gain an understanding of the basics involved in getting started farming in New Jersey. Training will be conducted by members of the NJAES beginner farmer team, USDA agency reps and established farmers sharing their experiences. The afternoon session will get into high value orchard production crops as an option to consider.

Registration separate from the Vegetable Growers Convention is \$50/person here:

<https://go.rutgers.edu/mo8k5i5z>

Part One - Getting Started

9:00 am – 12:00 pm

William Hlubik, Middlesex RCE, Ag Agent
William Errickson, Monmouth RCE Ag Agent
Brendon Pearsall, Middlesex RCE, Beginner Farm
Program Coordinator
Lauren Errickson, RCE NJAES, New Brunswick
Community Farmers Market & Rutgers Gardens

Welcoming Remarks – **Administration & Coordinators**

Ag Agency Programs & Support for New Farmers –
representatives from FSA, NRCS, Farm Credit, NJFB

Getting Started Farming – Basic Questions to Consider & Important Resources
Bill Hlubik

Site Selection for Your Farm – Location, Soils, Structures, Irrigation, Deer Management
William Errickson

Incorporating Niche Crops into Your Farm Plan
Brendon Pearsall

Promoting & Marketing Your Farm & Yourself
Justine Gray

Social Media Specialist – Taste Profit Marketing

Beginner Farmer Panel
Lauren Errickson- Moderator

Part Two - New Orchards

1:30 pm – 4:30 pm

Megan Muehlbauer
RCE Agricultural Agent, Hunterdon

Orchard Specific Site Selection, preparation and nutrient management

Megan Muehlbauer
RCE Agricultural Agent

Peach Variety and Rootstock Selection
Daniel Ward
RCE Specialist in Tree Fruit

Apple Variety and Rootstock Selection
Megan Muehlbauer
RCE Agricultural Agent

Tree Fruit Diseases and Pests 101
Don Seifrit
Penn State Extension Educator

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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

IN-PERSON

NEW

NURSERY AND ORNAMENTAL TRACK AT THE 2022 VGA



Come early! – Tuesday, February 8th

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

Session I

9:30 - 11:45am

Pesticide credit bearing session

Presentations:

Native Plants for the NJ Landscape - William Errickson (RCE Agent)

Building More Sustainable Landscape Designs with Grasses and Sedges - Brian Oleksak (Morris County College)

Plant Phenology Indicators for Scouting and Controlling Insects - Steve Rettke (RCE Agent)

More TBD



Session II

2:45 - 5:00pm

Pesticide credit bearing session



DANNY LAUDERDALE
NC State University

**Managing Red-headed Flea Beetle
Larvae and Adults**

Additional presentations:

Diagnostic Tips for the Nursery and Landscape - Rich Buckley (NJAES)

Detection and Management of Phytophthora in Conifers - Timothy Waller (RCE Agent)



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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.

A REPORT FROM THE
EXECUTIVE DEAN
OF AGRICULTURE AND NATURAL RESOURCES

Report to the New Jersey State Board of Agriculture
December 2021



In addition to addressing facilities improvements and equipment needs, NJAES **Vision 2025** initiative is also focused on improving operational standards. Currently, the directors of NJAES farms are unifying operating guidelines, plot fees, and project proposal forms across all the farms. This will simplify the process for faculty seeking to conduct research at these locations and streamline the application process. An internal advisory board has also been established for the farms to provide guidance on operations, program development, and management.

The New Jersey Green Expo, hosted by the New Jersey Turfgrass Association (NJTA), was held December 7 – 9. In honor of his upcoming retirement, the event celebrated the legacy of **Bruce Clarke**, extension specialist in turfgrass pathology and former director of the Center for Turfgrass Science. Numerous NJAES faculty and staff were featured as speakers. **Matt Elmore**, extension specialist in turf weed science, received the Recognition Award, and **Rich Buckley**, director of the Rutgers Plant Diagnostic Lab, received the Member of the Year Award from NJTA. Over 1,100 people attended the education program and tradeshow, which had been delayed a year since the last conference.

Agriculture & Natural Resources (ANR) county agent **Wes Kline** (Cumberland) received the Distinguished Service to New Jersey Agriculture Award on November 15 at the New Jersey Farm Bureau Annual Meeting. At the 2021 Annual Awards Dinner of the New Jersey Landscape Contractors Association, ANR agents **Bill Errickson** (Monmouth) and **Tim Waller** (Cumberland) received NJLCA “Educator of the Year” awards. Waller also received the New Jersey Nursery and Landscape Association’s Distinguished Service Award on December 2 at the NJNLA Annual Awards Dinner. The event also honored the late [Bruce ‘Doc’ Hamilton](#), Department of Landscape Architecture faculty member and Director Emeritus of Rutgers Gardens, who passed away August 31. Marucci Center field technician **Baylee Carr** has been awarded the 2021 Northeastern Weed Science Society Outstanding Service Award and will receive the award in February.

In Memoriam

State 4-H agent [Jeannette Rea-Keywood](#) passed away on December 13. She joined Rutgers 4-H youth development department in 1990 as the Cumberland County 4-H agent and served as statewide agent over the past decade. Rea-Keywood believed deeply in the cooperative extension mission and was devoted to 4-H. The quality of her work in youth development, and the passion with which she performed it, were evident to all and reflected in numerous professional awards. Most recently she was a recipient of the Rutgers Cooperative Extension faculty excellence award and the School of Environmental and Biological Sciences Team Excellence Award. Throughout her accomplished career, Rea-Keywood epitomized the spirit of service and leadership—within RCE, regional and national 4-H



systems, and Epsilon Sigma Phi. She chaired the National 4-H Hall of Fame program for many years, deservedly sharing the stage with the nation's most distinguished 4-H faculty, staff, and supporters.

Of Interest

The following new publications are available:

[The New Jersey Turfgrass Industry: 2019 Economic Impact, Structure, and Characteristics \(rutgers.edu\)](#).

Sullivan, K., Murphy, J., and Clarke, B., Rutgers Center for Turfgrass Science and Office of Research Analytics.

[FS1338: Carolina Redroot \(*Lachnanthes caroliniana*\) Identification and Control \(Rutgers NJAES\)](#).

Besancon, T. and Carr, B.

[FS1339: Crabgrass Integration in New Jersey Horse Pastures \(Rutgers NJAES\)](#). **Weinert-Nelson, J. and Williams, C.**

In June 2021, the New Jersey Legislature passed the Dual-use Solar Act, which establishes the Dual-Use Solar Energy Pilot Program for unreserved farmland. Dual-use solar energy (also called Agrivoltaics) offers the potential to both create sustainable renewable energy and keep the precious farmland below it productive and profitable. The pilot program will enable a limited number of farmers to have agrivoltaic systems on their property while the technology is being tested, observed, and refined. Until recently, very little agriculture could be done on land with solar panels because of the difficulty in using farm equipment around them and the substantial shading that occurs from the panels. Properly designed agrivoltaic systems have the potential to be elevated to allow for farm equipment operation and relatively uniform ground-level illumination, resulting in lower impact on crop productivity. NJAES received \$2M in the 2022 State Budget specifically for building Research and Demonstration Agrivoltaic Systems on NJAES research farms. These systems will allow for detailed experimentation and engineering that would not be possible in a commercial setting. Read more at: [Rutgers/NJAES Agrivoltaics Research and Extension Program \(Rutgers EcoComplex\)](#)

Events

[2022 North Jersey Ornamental Horticulture Online Symposium](#) January 10-12, 2022, 10 a.m. to noon. Turf Day (Day 1), January 10; Tree Day (Day 2), January 11; Landscape Day (Day 3), January 12.

[Landscape Integrated Pest Management \(IPM\) Online](#), Office of Continuing Professional Education, January 12, 2022, 9 a.m. to 3:15 p.m.

[Equine Science Center's 2022 Horse Management Seminar](#) will consist of three Tuesday evening webinars on February 8, 15, and 22, 2022, from 6:30 to 8:30 p.m.

[2022 Introductory Fisheries Science for Stakeholders \(IFISSH\)](#) sessions will meet weekly via Zoom webinar on Tuesday evenings (6:30 - 9:00 p.m.) from February 1 through April 5.

BEST WISHES TO ALL FOR A HAPPY AND HEALTHY HOLIDAY SEASON

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