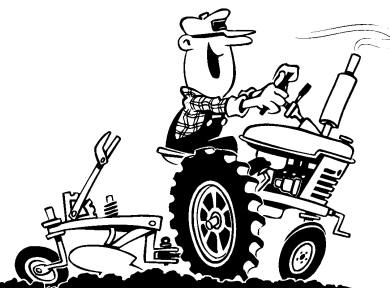


Cultivating Cumberland

December - 2019 VOL. 24, ISSUE 12

Inside this issue:



Romaine Outbreak	1	<h3>Romaine Outbreak</h3> <p>By now everyone has heard about the romaine <i>E. coli</i> O157:H7 outbreak that has been traced back to the Salinas Valley in California. Last year there were two outbreaks which have been identified as the same strain of <i>E. coli</i> O15:H7. What is causing the outbreaks? That is a good question, and no one has the complete answer. It could be environment, irrigation water, architecture of the plant, time to the year, proximity to animal operations, wild animals, etc. One or a combination of these may be the reason. What does this mean to a romaine grower in New Jersey? There is no question that traceability will be pushed more the future. The Food and Drug Administration had planned to come out with a traceability plan in the fall of next year. Do not be surprised if it comes out earlier. There is also a push from the industry to implement a traceability program. Does this mean that FDA will require a business identifier labeling and PTI (Produce Traceability Initiative) labels on cases and cartons or will each item need to be identified? Does this mean everything will need to be computerized? The answer is, we do not know until FDA comes out with a document explaining the process. I hope there is more than one way to address traceability.</p>
2020 Ag Convention and NJ Vegetable Growers Association Annual Meeting	1	<h3>2020 Agricultural Convention</h3> <h4>New Jersey Vegetable Growers Association Annual Meeting</h4> <h4>February 4th-6th</h4> <p>The 2020 convention will be held at Harrah's Resort Hotel Convention Center, 777 Harrah's Blvd. Atlantic City. This is the same location as the last few years. There is a full day on hemp production and regulatory issues, results on heat tolerant tomato varieties, fall production of fall strawberries, growing golden berries, visitors with animals to the farm and what is required by the Americans with Disabilities Act, sanitary design of packing houses, etc. In total there are sixteen sessions with 65 presentations and a grower panel. On Wednesday from 1:30 to 2:30 a buyer panel (Aggregator Panel for Sourcing New Jersey Produce) will be held as a combined session.</p>
USDA Taking Action to Protect the United States from Tomato Brown Rugose Fruit Virus	2-3	<p>Fresh fruit and vegetable growers who have not been trained to comply with the Produce Safety Rule under the Food Safety Modernization Act can attend the workshop on Thursday. This is an all-day workshop, and you must preregister at RutgersOnFarmFoodSafety.Eventbrite.com. The cost is \$35.00/person.</p>
Newsletter Subscription Renewal	4	<p>The program is attached. For more information and hotel registration go to the Vegetable Growers Association of New Jersey website at www.njveggies.org</p>
Purchasing Pesticide Manuals	5	
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Calendar of Events	6-7	
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2020 South Jersey Nursery Meeting	11	
2020 NJ Ag Convention & Trade Show and NJ Vegetable Growers Meeting Program	12-16	

USDA Taking Action to Protect the United States from Tomato Brown Rugose Fruit Virus

Washington, D.C., [Friday November 15, 2019] – USDA’s Animal and Plant Health Inspection Service (APHIS) is taking immediate action to prevent the introduction of tomato brown rugose fruit virus into the United States and protect U.S. tomato and pepper production worth more than \$2.3 billion annually.

APHIS has issued a Federal Order imposing restrictions on imports of tomato and pepper seed lots and transplants from all countries where the virus exists as well as restrictions on tomato and pepper fruit imported from Mexico, Israel, and the Netherlands. Because Canada imports tomato and pepper fruit from Mexico that may be re-exported to this country, USDA will also require Canada to inspect tomato and pepper fruit to ensure it is free of disease symptoms prior to export to the United States. These actions will be effective Friday, November 22. In addition, APHIS and U.S. Customs and Border Protection (CBP) will increase inspections of tomato and pepper seed, plant, and fruit imports entering from countries where the virus is known to occur and Canada, and will take action to keep any infected products out of the country.

Tomato brown rugose fruit virus can cause severe fruit loss in tomatoes and peppers. It is easily spread through the use of contaminated tools, hands, and plant-to-plant contact. It was first reported in tomatoes in Israel in 2014. Since then, it has been reported in China, Mexico, Germany (eradicated), Italy, Greece, the United Kingdom, Jordan, Turkey, and the Netherlands. The virus was detected and eradicated from a California tomato greenhouse in 2018.

Per the Federal Order, APHIS will:

- Require all tomato and pepper seed lots imported from countries where the virus exists to be officially tested and certified free of the disease.
- Require all tomato and pepper transplants imported from countries where the virus exists to be officially tested and certified free of the disease.
- Require all tomato and pepper fruit imported from Mexico, Israel, and the Netherlands to be inspected at the point of origin to ensure it is free of disease symptoms.
- Require Canada to inspect all tomato and pepper fruit prior to export to the United States to ensure it is free of disease symptoms.

In addition, CBP will:

- Increase inspections at U.S. ports of entry to ensure imported tomato and pepper fruit entering from Mexico, Canada, Israel, and the Netherlands does not show any signs of disease upon arrival.
- Together, these actions will safeguard the United States against the introduction of this virus while facilitating the safe trade of healthy tomatoes.

Tomato brown rugose fruit virus (ToBRFV) is a recently described member of the Tobamovirus genus. This virus genus also contains other economically important pathogens that infect vegetable crops, including Tobacco mosaic virus (TMV), Tomato mosaic virus (ToMV), and Cucumber green mottle mosaic virus (CGMMV). The disease caused by ToBRFV was first reported in 2014 in tomatoes in Israel. Since then, ToBRFV has been reported in China, Mexico, Germany (eradicated), Italy, Jordan, Turkey, Greece, the United Kingdom, and the Netherlands. Given the global nature of seed production and the international movement of seeds, the distribution may be greater than reported.

Tomato and pepper are the two main hosts. Symptoms caused by ToBRFV include bubbling and mosaic on leaves of susceptible pepper, and fern leaf and mosaic on tomato leaves. On fruit, symptoms include smaller fruit size with a rough surface, fruit drop, delay in ripening, and fruit discoloration including blotching, pale color and/or brown necrotic spots. Infected tomato fruits can be unmarketable or reduced in quality. Necrosis can occur on susceptible pepper fruit.

Tobamoviruses are mechanically transmitted and seedborne viruses. ToBRFV is mechanically transmissible through infected sap of both tomato and pepper. Transmission occurs through touching and manipulating infected plants. Transmission is common during transplant productions or in crop production systems in which plants are regularly handled, such as greenhouse operations.

Upcoming Cultivating Cumberland Subscription Renewal

If you wish to continue receiving “Cultivating Cumberland” and other educational mailings from our office, now is the time to renew your subscription.

If you are not already receiving the newsletter via email, please consider doing so. The email comes with all the same information and in full color. If you are already receiving the newsletter via email, thank you for helping us go green.

Reactivation forms (for mailed newsletters only) are due back to our office no later than February 14th, 2020. We will begin using the updated mailing list for the March 2020 issue.

You can reactivate your subscription to “Cultivating Cumberland” in one of the following ways:

- Call Katie at 856-451-2800 x1
- Email: KatieSi@co.cumberland.nj.us
- Fax this form back to 856-451-4206
- Return this form by mail to

ATTN: Katie Silvers, Agriculture Department, 291 Morton Ave, Millville, NJ 08332

Don't miss out on all the up-to-date information. Be sure to renew your subscription to “Cultivating Cumberland” by February 14th. If you have any questions, please feel free to contact Brandi or Katie at the Extension Office at 856-451-2800 x1 for assistance.

Cultivating Cumberland Mailed Subscription Renewal

Name: _____ Farm Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Cell: _____ Fax: _____

Email Address: _____

Please circle an option: I prefer my newsletter Mailed Emailed

Check all options that apply below:

My Business Affiliation	Ornamentals	Vegetables	Other
<input type="radio"/> Commercial Farmer	<input type="radio"/> Nursery	<input type="radio"/> Fresh Vegetables	<input type="radio"/> Small Fruit
<input type="radio"/> Ag-Related Business	<input type="radio"/> Turf	<input type="radio"/> Processing Vegetables	<input type="radio"/> Tree Fruit
<input type="radio"/> Private Consultant	<input type="radio"/> Landscape	<input type="radio"/> Herbs	<input type="radio"/> Hay Production
<input type="radio"/> Agricultural Agent	<input type="radio"/> Greenhouse	<input type="radio"/> Specialty Crops	<input type="radio"/> Other Field Crops
<input type="radio"/> Rutgers	<input type="radio"/> Christmas Tree	<input type="radio"/> Farm Market	<input type="radio"/> Livestock
<input type="radio"/> Other University/College	<input type="radio"/> Golf Course	<input type="radio"/> Pick Your Own	
<input type="radio"/> Government Agency			
<input type="radio"/> Media			
<input type="radio"/> Food Safety			

Purchasing Pesticide Manuals Online

Visit <https://ce-catalog.rutgers.edu/checkoutsiginin.cfm>

1. Create an account
2. Sign in
3. Click on “Products” on the left hand side
4. Click the manual you need
5. Select if your tax exempt or if you will pay sales tax
6. Click “Add to Cart”
7. Click “Checkout”
8. You will enter your tax exempt number or type “N/A” if you are not tax exempt. Click “Next”
9. Check the box “General Refund Policy” after you have read the terms and conditions
10. Click “Place Order”
11. Review your cart and click “Continue”
12. Click on how you would like to pay: “Pay with Bank Account” or “Pay with Card”
13. Enter your payment information

Purchase manuals in our office or purchase pesticide manuals online through Rutgers and have them shipped to you. Orders will be fulfilled Wednesday and ship on Thursday of each week. Shipping UPS 2nd Day.

Please note, manuals can still be purchased in our office.

New Rutgers Fact Sheets

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

FS1312 Introduction to Industrial Hemp– Basic Production Agronomy

Bamka, W., and Komar, S.

<https://njaes.rutgers.edu/fs1312>



Calendar of Important Events

- ✓ Indicates a newly added event since the last calendar

December 10

Regulatory Training in Underground Storage Tanks; Cook Student Center, Multipurpose Room A, B, C, 59 Biel Rd, New Brunswick, NJ 08901; The NJ Department of Environmental Protection (NJDEP) regulates Underground Storage Tanks (USTs) and requires the professionals who work on them to be trained, certified/recertified every three (3) years.; For more information or to sign up go to www.cpe.rutgers.edu/environmental

December 10-12

44th Green Expo Turf & Landscape Conference; The Borgata Hotel, 1 Borgata Way, Atlantic City, NJ; Early registration until November 11, all three days for \$245 for members or \$360 for non-members; See the latest in turf and landscape for your business, for your environment, and for your technology; Register online at www.njturfgrass.org

December 17-18

Food Safety Modernization Act (FSMA): Produce Safety Alliance Grower Training and GAP Audits; Rutgers Cooperative Extension of Cumberland County; 291 Morton Avenue, Millville, NJ 08332; 9 A.M.– 4 P.M.; Lunch included; Day 1 is \$50 and Day 2 (optional) is \$25; This training meets the FDA requirements for the FSMA Produce Rule Training; Find more information or register online at <https://FSMAdec17.eventbrite.com> Call Brandi or Katie with questions 856-451-2800 ext 1

January 8-10, 2020

MANTS 2020; (Mid-Atlantic Nursery Trade Show). Baltimore Convention Center, One West Pratt Street, Baltimore, MD. Contact: MANTS, PO Box 818, Brooklandville, MD 21022; Phone: 800-431-0066; Fax: 410-296-8288; email: info@mants.com; www.mants.com

January 9-11, 2020

Global Organic Produce Expo; Fontainebleau Luxury Hotel, Miami Beach, FL; Keynote Speaker, Antoni Porowski, Food and Wine connoisseur of Netflix Original—Queer Eye; Networking, innovations, solutions, powerful content, learn insights. More event/registration information at <https://globalorganicexpo.com/>

January 9-12, 2020

Southeast Regional Fruit and Vegetable Conference; Savannah International Trade and Convention Center, 1 International Dr, Savannah, GA 31421; Networking Opportunities, Industry Tradeshow, 85+ hours of Production Education, Fun Events and Activities, Commodity Business Meetings, Award Presentations, and a lot more!; Early Bird Registration ends 12/9, \$170 for all four days. \$210 after 12/9; Register online at www.seregionalconference.org

January 10, 2020

29th Annual Rutgers Turfgrass Symposium; Center for Turfgrass Science, Room 138A Foran Hall, 59 Dudley Road, New Brunswick, NJ 08901; 9:00 AM—4:00 PM; Oral presentations by Dr. Carolyn Young, Noble Research Institute; The complete agenda and registration can be found at www.turf.rutgers.edu. Pre-registration recommended by 12/13/19

January 13, 2020

2020 Becker Forum; Marriott Syracuse Downtown; Syracuse, NY; The New York State Vegetable Growers Association is hosting the 2020 Becker Forum on January 30, 2020 at the Marriott Syracuse Downtown.

January 14-16, 2020

Empire State Producers Expo; The Oncenter Civic Center Theaters, 800 S. State St., Syracuse Tue.; 8am-5pm; Wed. 8am-5pm; Thurs. 8am –2pm For Exhibitors Information; Please Contact: Lee Trade Shows— 800-218-5586 or dwren@leepub.com

January 17-19, 2020

Northeast Organic Farming & Gardening Conference; The Oncenter Civic Center Theaters, 800 S. State St., Syracuse, NY; Save the date; More information coming this fall

January 17-19, 2020

North Jersey Orchid Society; Douglass Student Center, Rutgers University, 100 George Street, New Brunswick, NJ; 10:00 AM—4:00 PM; Free admission and free parking, breathtaking orchid displays, world-renown vendors, orchid workshops and education, “Ask the Orchid Doctor”; Visit njorchids.org for more information and registration.

✓ January 28-30, 2020

2020 Mid-Atlantic Fruit and Vegetable Convention; Hershey Lodge, 325 University Dr, Hershey, PA 17033; A premier grower meeting in the Northeast combining three days of six or more concurrent educational sessions with a large industry trade show and numerous networking opportunities. Find more information and registration details at <http://www.mafvc.org/Registration>

✓ February 4-6, 2020

2020 NJ Agricultural Convention & Trade Show; Harrah’s Resort Hotel Convention Center, 777 Harrah's Blvd, Atlantic City, NJ 08401; Convention, trade show, and educational sessions. Find more information and registration details at <http://www.njveggies.org/convention.htm>

✓ February 5-8, 2020


2020 Sustainable Agriculture Conference: Lancaster County Convention Center, Lancaster, PA; Food and farming workshops, vendor trade show, seed swap, receptions and tastings, farm innovation show, social and networking events; Find more information and register online at pasafarming.org/conference or by calling 814-349-9856

February 12-13, 2020

Women in Ag Conference 2020; Dover Downs Hotel & Casino, Dover, DE; The full conference agenda and additional details will soon be available at <https://extension.umd.edu/womeninag/annual-conference/2020-conference>

February 26-27, 2020

Delmarva Soil Summit; Delaware Technical Community College, Georgetown, DE; Join fellow farmers, researchers, and other experts to learn about the latest innovations in soil health and fertility. Learn more and sign up at DelmarvaSoilSummit.com

 <p>Farm Service Agency</p>	<p>Farm Service Agency - New Jersey State Office</p> <p>300 Clocktower Dr, Suite 202 Hamilton Square, NJ 08690</p> <p>(609) 587-0104</p>	<p>Customer Calendar</p> <p>www.usda.gov www.fsa.usda.gov www.fsa.usda.gov/nj</p>
<p>Farm Programs Available</p> <ul style="list-style-type: none"> • Agricultural Risk & Price Loss Coverage (ARC/PLC) • Biomass Crop Assistance Program (BCAP) • Commodity Marketing Assistance Loans (MAL) • Loan Deficiency Payments (LDP) • Conservation Reserve Program (CRP) • Dairy Indemnity Payment Program (DIPP) • Dairy Margin Protection Program (MPP) • Emergency Assistance for Livestock, Honeybees, and Farm-Raised Fish (ELAP) • Emergency Conservation Program (ECP) • Emergency Forest Restoration Program (EFRP) • Livestock Forage Disaster Program (LFP) • Livestock Indemnity Program (LIP) • Noninsured Crop Disaster Assistance Program (NAP) • Tree Assistance Program (TAP) • Organic Certification Cost-Share Program (OCCSP) 	<p>Farm Loans Available</p> <ul style="list-style-type: none"> • Beginning Farmer & Rancher Loans • Emergency Loans (Time Sensitive) • Farm Operating Loans (Direct and Guaranteed) • Farm Ownership Loans (Direct and Guaranteed) • Farm Storage Facility Loans (FSFL) • Microloans - Operating and Ownership • SDA (Women/Minority) Farmer & Rancher Loans • Youth Loans 	<p>Farm Program Deadlines (deadlines that fall on a weekend or holiday will be the next business day):</p> <p>Acreage Reports</p> <ul style="list-style-type: none"> • Jan 2: honey (honeybee colonies) • Jan 15: apples, blueberries, cranberries, peaches, grapes, & strawberries • May 31: nursery for the following crop year • July 15: soybeans, corn and other spring-planted feed grains, perennial forage, CRP, & most other crops • Aug 15: processing beans • Sept 30: value loss crops except nursery for the following crop year • Nov 15: fall-planted small grains (wheat, barley, oats and rye) <p>ARC/PLC:</p> <ul style="list-style-type: none"> • March 15: annual election and enrollment deadline for 2019, 2021—2023 • June 30: annual election and enrollment deadline for 2020 ONLY <p>Marketing Assistance Loans and Loan Deficiency Payments:</p> <ul style="list-style-type: none"> • Jan 31: for prior year harvested wool, mohair and unshorn pelts (LDP only) • Mar 31: for prior year harvested wheat, barley, canola, crambe, flaxseed, honey, oats, rapeseed, and sesame seed • May 31: for prior year harvested corn, soybeans and other oilseeds, grain sorghum, and pulse crops <p>CRP (Grasslands & CREP) : October 1 - September 30</p>
<p>NAP Coverage Application Closing Dates</p> <p>Producers must apply for coverage and pay the applicable service fees annually by the application closing date. Acreage and production reports are also due annually. Coverage for specific crops may be checked at online at www.fsa.usda.gov/nap. All dates are for the subsequent calendar year except for March 15th. (deadlines that fall on a weekend or holiday will be the next business day)</p> <p>May 1: nursery</p> <p>Aug 1: strawberries</p> <p>Sept 1: aquaculture, Christmas trees, flowers, sod</p> <p>Sept 30: small grains, grasses, mixed forage, garlic</p> <p>Nov 20: all fruit trees, caneberries, grapes, blueberries</p> <p>Dec 1: honey</p> <p>Dec 31: spring crops - check with office!!</p> <p>Mar 15: summer/fall crops - check with office!!</p>	<p>Farm Storage Facility Loans (FSFL)</p> <p>FSA provides low-interest loans to purchase/upgrade farm storage & handling facilities, portable storage and handling equipment, such as box trucks, grain trucks and wagons, for eligible commodities.</p>	<p>Days USDA Offices Closed</p> <p>New Year's Day - Jan 1</p> <p>Martin Luther King, Jr. Day - 3rd Monday in Jan</p> <p>Washington's Birthday - 3rd Monday in Feb</p> <p>Memorial Day - Last Monday in May</p> <p>Independence Day - July 4</p> <p>Labor Day - 1st Monday in Sept</p> <p>Columbus Day - 2nd Monday in Oct</p> <p>Veterans Day - Nov 11</p> <p>Thanksgiving Day - 4th Thursday in Nov</p> <p>Christmas Day - Dec 25</p> <p>Important Links</p> <p>FSA FencePost - http://fsa.blog.usda.gov/delivery.com/</p> <p>USDA Blogs - http://blogs.usda.gov/</p> <p>NJ FSA Website - www.fsa.usda.gov/nj</p> <p>USDA Farmer Info - www.farmers.gov</p>
<p>NEW JERSEY USDA SERVICE CENTERS</p> <p>Burlington, Camden, and Ocean Counties</p> <p>1971 Jacksonville Jobstown Road, Columbus, NJ 08022</p> <p>Phone: (609) 267-1639</p> <p>Monmouth, Mercer, and Middlesex Counties</p> <p>PO Box 5033 4000 Kozloski Road, Freehold, NJ 07728</p> <p>Phone: (732) 462-0075</p> <p>Hunterdon and Somerset Counties</p> <p>687 Pittstown Road, Frenchtown, NJ 08825</p> <p>Phone: (908) 782-4614</p> <p>Warren, Sussex, and Morris Counties</p> <p>101 Bilby Road, Suite 1H, Hackettstown, NJ 07840</p> <p>Phone: (908) 852-2576</p> <p>Cumberland, Cape May, and Atlantic Counties</p> <p>1318 S Main Road, Building 5A, Vineland, NJ 08360</p> <p>Phone: (856) 205-1225</p> <p>Salem and Gloucester Counties</p> <p>51 Cheney Road, Woodstown, NJ 08098</p> <p>Phone: (856) 769-1126</p>	<p>Farm Coverage Application Closing Dates</p> <p>Producers must apply for coverage and pay the applicable service fees annually by the application closing date. Acreage and production reports are also due annually. Coverage for specific crops may be checked at online at www.fsa.usda.gov/nap. All dates are for the subsequent calendar year except for March 15th. (deadlines that fall on a weekend or holiday will be the next business day)</p> <p>May 1: nursery</p> <p>Aug 1: strawberries</p> <p>Sept 1: aquaculture, Christmas trees, flowers, sod</p> <p>Sept 30: small grains, grasses, mixed forage, garlic</p> <p>Nov 20: all fruit trees, caneberries, grapes, blueberries</p> <p>Dec 1: honey</p> <p>Dec 31: spring crops - check with office!!</p> <p>Mar 15: summer/fall crops - check with office!!</p>	<p>Farm Storage Facility Loans (FSFL)</p> <p>FSA provides low-interest loans to purchase/upgrade farm storage & handling facilities, portable storage and handling equipment, such as box trucks, grain trucks and wagons, for eligible commodities.</p>



FSMA TRAINING

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

\$50 Day 1

\$25 Day 2

Lunch Provided

Food Safety Modernization Act Grower Training and Third Party Audit
This training meets the FDA requirements for FSMA Produce Rule Training



Information for fruit growers, vegetable growers, and others interested in produce safety, good agricultural practices / third party audits, or the Food Safety Modernization Act.

REGISTRATION and event details at
RutgersOnFarmFoodSafety.EventBrite.com

Contact **(856) 451-2800** ext. 1 KatieSi@co.cumberland.nj.us

Sponsored by The New Jersey Department of Agriculture (#5U18FD005877-020) and The National Association of State Departments of Agriculture (#5U01FD005334-04) *Funding for this program was made possible, in part, by the Food and Drug Administration through grant PAR-16-137. The views expressed in written materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does any mention of trade names, commercial practices, or organization imply endorsement by the United States Government.*



TRAININGS

*on-farm food
safety team*

Food Safety Modernization Act (FSMA): Produce Safety Alliance Grower Training and Third Party Audits

December 9 & 10, 2019

PITTSTOWN, NJ

December 17 & 18, 2019

MILLVILLE, NJ

January 7 & 8, 2020

EWING, NJ

February 6, 2020

ATLANTIC CITY, NJ

March 3 & 4, 2020

MILLVILLE, NJ

March 18, 2020

CHATSWORTH, NJ

FSMA Produce Rule Training is required by the FDA on all farms that aren't exempt or qualified exempt. For more information on FSMA visit our website at onfarmfoodsafety.rutgers.edu
9 AM - 4 PM - Lunch Provided - \$50 Day 1 - \$25 Day 2

REGISTRATION AND MORE DETAILS

[HTTPS://RUTGERSONFARMFOODSAFETY.EVENTBRITE.COM](https://rutgersonfarmfoodsafety.eventbrite.com)

IF YOU ARE UNABLE TO REGISTER ONLINE CALL BRANDI

AT (856) 451-2800 X 1 OR EMAIL AT BRANDIWI@CO.CUMBERLAND.NJ.US

Sponsored by The New Jersey Department of Agriculture (#5U18FD005877-020) and The National Association of State Departments of Agriculture (#5U01FD005334-04) *Funding for this program was made possible, in part, by the Food and Drug Administration through grant PAR-16-137. The views expressed in written materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services;

SAVE THE DATE

South Jersey Nursery Meeting March 12th, 2020 9 AM - 4 PM

Meet the new Rutgers Extension Agents working with the nursery industry:

Tim Waller
Cumberland County

Bill Errickson
Monmouth County

Educational presentations on spotted lantern fly, pesticide safety and regulations, irrigation scheduling, weeds, and pathogens.

Pesticide credits requested for: CORE, PP2, 1A, 3A, and 10

More details to follow.

**Rutgers Cooperative Extension
of Cumberland County
291 Morton Avenue
Millville, NJ 08332**

RUTGERS
New Jersey Agricultural
Experiment Station

2020 NJ Agricultural Convention & Trade Show and NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Tuesday Morning, February 4, 2020
9:30 AM – 11:45 AM

<p>Organic Production Joe Heckman, Extension Specialist in Soil Fertility</p> <p>9:30 A.M. Organic Sweet Corn Production at Dogwood Farms John Knox Dogwood Farms</p> <p>10:00 A.M. Information from Our Exhibitors</p> <p>10:15 A.M. Organic Sweet Corn at Rodale Institute Gladis Zinati Rodale Institute</p> <p>10:45 A.M. Pest Management for Organic Sweet Corn Kristian Holmstrom Rutgers IPM Pest Management Office</p> <p>11:15 A.M. Soil Fertility for Organic Sweet Corn Joe Heckman Extension Specialist in Soil Fertility, Rutgers NJAES</p> <p>11:45 A.M. Questions & Recertification Credits</p>	<p>Wine Grapes Hernant Gohil Agricultural Agent, Gloucester Co.</p> <p>9:30 A.M. Peter Oudemans Extension Specialist in Small Fruit Pathology, Rutgers NJAES</p> <p>10:00 A.M. Status of Spotted Lanternfly in New Jersey Anne Nielsen Extension Specialist in Fruit Entomology, Rutgers NJAES</p> <p>10:30 Use & Placement of a Weather Station for Grape Pest Management</p> <p>10:30 Spotted Lantern Fly in the Vineyard- Research Updates from Pennsylvania Heather Leach Extension Associate, Penn State</p> <p>11:00 A.M. Invasive Fruit Flies & Implications for Sour Rot Control Dean Polk Rutgers Fruit IPM Agricultural Agent</p> <p>11:30 A.M. Area Specific Management of Mealybug – Vector of Grape Leaf Roll Virus Faruque Zaman Cornell Extension Specialist</p> <p>12:00 P.M. Information from Our Exhibitors</p> <p>12:15 P.M. Questions & Recertification Credits</p>	<p>Hemp Agronomy Steve Komar Agricultural Agent, Sussex Co.</p> <p>9:30 A.M. History & Background of Industrial Hemp Production Bill Bamka RCE, Burlington Co. Ag Agent</p> <p>10:00 A.M. Agronomy of Hemp: Pest Management, Fertility & Cultural Practices Steve Komar RCE, Sussex Co. Ag Agent</p> <p>10:30 A.M. Overview of Northeast Hemp Research Bill Bamka RCE, Burlington Co. Ag Agent</p> <p>11:00 A.M. Information from Our Exhibitors</p> <p>11:15 A.M. CBD Explained Tom Gianfagna Professor Rutgers University</p> <p>11:45 A.M. Questions & Recertification Credits</p>	<p>Pepper Andy Wyenanndt Extension Specialist in Vegetable Pathology</p> <p>9:30 A.M. Information from Our Exhibitors</p> <p>9:45 A.M. Understanding the Impacts of Climate Change on Bacterial Wilt & Southern Blight Steve Rideout Extension Specialist of Plant Pathology Virginia Tech</p> <p>10:15 A.M. Performance of Exotic Peppers in Conventional & Organic Production Systems in New Jersey Albert Ayeni Ethnic Crop Research Specialist Rutgers, NJAES</p> <p>10:45 A.M. Update & Research on X10R Bell Pepper Varieties for Use In NJ Wesley Kline RCE, Cumberland Co. Ag Agent</p> <p>11:15 A.M. Update & Research Results on Disease Control in Pepper Andy Wyenanndt Extension Specialist Vegetable Pathology, Rutgers NJAES</p> <p>11:45 A.M. Questions & Recertification Credits</p>
<p>Tuesday, Mid-Day Workshop 12:00-1:30PM Mandatory Annual Training Documents for the FMNP Vendors with Q&A Treemanisha Stewart and Jose Quann, both from NJDOH, and Bill Walker, NJDA</p>			

2020 NJ Agricultural Convention & Trade Show and NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Tuesday Afternoon, February 4, 2020
2:15 PM – 4:30 PM

Integrated Pest Management <i>Kris Holmstrom/Joe Ingerson-Mahar</i> Vegetable IPM Program Coordinators	High Tunnels <i>A.J. Both</i> Extension Specialist in Ag Engineering	Regulatory Issues With Hemp <i>Bill Bamka</i> Agricultural Agent, Burlington Co.	Tomato <i>Tom Orton</i> Specialist in Vegetable Crops
<p>2:15 P.M. Information from Our Exhibitors</p> <p>2:30 P.M. Control of Plectosporium Blight & Other Diseases on Pumpkin Andy Wyenandt Extension Specialist Vegetable Pathology, Rutgers NJAES</p> <p>3:00P.M. Update on CEW Resistance to Insecticidal Toxins Kristian Holmstrom Vegetable IPM Program Coordinator, Rutgers NJAES</p> <p>3:30P.M. Invasive Weed Species & Their Management Thierry Besancon Extension Weed Specialist Rutgers NJAES</p> <p>4:00 P.M. Managing Pepper Weevil in 2020 Joe Ingerson-Mahar Vegetable IPM Senior Coordinator, Rutgers NJAES</p> <p>4:30 P.M. Questions & Recertification Credits</p>	<p>2:15 P.M. Raspberry Production in High Tunnels Shirley Kline Owner, Happy Valley Berry Farm</p> <p>2:45 P.M. Information from Our Exhibitors</p> <p>3:00P.M. High Tunnel Ventilation David Lewus Graduate Student Rutgers University</p> <p>3:30P.M. Tunnel & Greenhouse Glazing Scott Thompson Territory Manager Nexus Greenhouse Systems</p> <p>4:00 P.M. High Tunnel Design & Control A.J. Both Extension Specialist in Ag Engineering, Rutgers NJAES</p> <p>4:30 P.M. Questions & Recertification Credits</p>	<p>2:15 P.M. Greenhouse Production of Industrial Hemp Raul Cabrera Extension Specialist in Nursery Crops, Rutgers NJAES</p> <p>2:45 P.M. Regulatory Compliance for I-Hemp Production Joe Zoltowski Director, Division of Plant Industry, NJDA</p> <p>3:15P.M. Information from Our Exhibitors</p> <p>3:30P.M. Sampling Services & Procedures for the Hemp Industry Jim Simon Department of Plant Biology, Rutgers University/NJAES</p> <p>4:00 P.M. Marketing I-Hemp Steve Komar RCE, Sussex Co. Ag Agent</p> <p>4:30 P.M. Questions & Recertification Credits</p>	<p>2:15 P.M. Update on Weed Management Strategies & Research for New Jersey Tomato Growers Thierry Besancon Extension Weed Specialist Rutgers NJAES</p> <p>2:45 P.M. Tomato Variety Trial Under Heat Stress & Stress Mitigation Studies in Tomatoes Gordon Johnson Extension Specialist in Vegetable Crops, University of Delaware</p> <p>3:15P.M. High Tunnels for Tomato Season Extension on a Commercial New Jersey Farm Ray Hlubik NJ Grower</p> <p>3:45P.M. Unraveling Disease Resistance Packaging & Consequences in Tomato Tom Orton Extension Specialist in Vegetable Crops, Rutgers NJAES</p> <p>4:15 P.M. Information from Our Exhibitors</p> <p>4:30 P.M. Questions & Recertification Credits</p>

2020 NJ Agricultural Convention & Trade Show and NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Wednesday Morning, February 5, 2020

9:30 AM – 11:45 AM

<p>Blueberry <i>Gary Pavlis</i> Agricultural Agent, Atlantic Co.</p>	<p>Small Fruit/Strawberry <i>Pete Nitzsche</i> Agricultural Agent, Morris Co.</p>	<p>Creating Value Added Products and Services to Increase Profits <i>Bill Hlubik</i> Agricultural Agent, Middlesex Co.</p>	<p>Specialty Crops <i>William Sciarappa</i> Agricultural Agent</p>
<p>9:30 A.M. Managing Disease & Fungicide Resistance in Blueberries in the Great Lakes Region <i>Tim Miles</i> <i>Assistant Professor, Michigan State University</i></p> <p>10:00 A.M. Information from Our Exhibitors</p> <p>10:15 A.M. Evaluating Disease Management Practices in Blueberry <i>Peter Oudemans</i> <i>Extension Specialist in Small Fruit Pathology, Rutgers NJAES</i></p> <p>10:45 A.M. Latest Research on Spotted Wing Drosophila <i>Cesar Rodriguez-Saona</i> <i>Extension Specialist in Small Fruit Entomology, Rutgers NJAES</i></p> <p>11:15 A.M. Update on Honey Bee Health and Blueberry Pollination Services <i>Dean Polk</i> <i>Rutgers Fruit IPM Agricultural Agent</i></p> <p>11:45 Update on Weed Management Strategies & Research for Blueberry Growers <i>Thierry Besancon</i> <i>Extension Weed Specialist Rutgers NJAES</i></p> <p>12:15 P.M. Questions & Recertification Credits</p>	<p>9:30 A.M. Extend & Maximize Postharvest Quality of Strawberry <i>Thomas Gianfagna</i> <i>Department of Plant Biology, Rutgers University</i></p> <p>10:00 A.M. Enhancing Fall "Albion" Strawberry Production <i>Ed Durner</i> <i>Department of Plant Biology, Rutgers University</i></p> <p>10:30 A.M. Small Fruit Weed Control Update <i>Lynn Sosnoski</i> <i>Weed Ecology & Management, Specialty Crops, Cornell University</i></p> <p>11:00 A.M. Information from Our Exhibitors</p> <p>11:15 Growing & Marketing Small Fruit on TBA Farm <i>TBA</i></p> <p>11:45 A.M. Questions & Recertification Credits</p>	<p>9:30 A.M. Service Animals on the Farm: ADA Compliance <i>Meredith Melendez</i> <i>RCE, Mercer Co. Ag Agent</i></p> <p>10:00 A.M. Creating Value Added Farm Products <i>Nolen Lewin</i> <i>Director Rutgers FIC North</i></p> <p>10:30 A.M. A Value Added Success Story: First Field <i>Theresa Viggiano</i> <i>Co-Owner First Field</i></p> <p>11:00 A.M. Telling the Whole Story: Marketing Social Responsibility <i>Rick VanVranken</i> <i>RCE, Atlantic Co. Ag Agent</i></p> <p>11:30 A.M. The Potential for Value Added Products with Hazelnuts <i>Megan Muehlbauer and David Hlubik</i> <i>RCE, Hunterdon Co. Ag Agent and Graduate Student</i></p> <p>12:00 P.M. Questions & Recertification Credits</p>	<p>9:30 A.M. Specialty Crop Mapping & Your Customers <i>Rick VanVranken</i> <i>RCE, Atlantic Co. Ag Agent</i></p> <p>10:00 A.M. From Management to Genetic Resistance: New Discoveries in Controlling Basil Downy Mildew & Fusarium Wilt <i>Jim Simon & Andy Wyanandt</i> <i>Extension Specialists, Rutgers NJAES</i></p> <p>10:30 A.M. Nutrient Dense Microgreens <i>Albert Ayeni</i> <i>Ethnic Crop Research Specialist Rutgers NJAES</i></p> <p>11:00 A.M. Growing Goldenberries <i>Ed Durner</i> <i>Department of Plant Biology, Rutgers University</i></p> <p>11:30 Information from Our Exhibitors</p> <p>11:45 A.M. Questions & Recertification Credits</p>
<p>Wednesday, Mid-Day Workshop</p> <p>12:00-1:30PM Mandatory Annual Training Documents for the FMNP Vendors with Q&A <i>Treemanisha Stewart and Jose Quann, both from NJDOH, and Bill Walker, NJDA</i></p>			

2020 NJ Agricultural Convention & Trade Show and NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

VGANJ/NJDA Joint Session

Aggregator Panel for Sourcing NJ Produce
1:30 PM – 2:30 PM

Wednesday Afternoon, February 5, 2020
2:15 PM – 4:30 PM

<p>Food Safety <i>Meredith Melendez</i> Agricultural Agent, Cumberland Co.</p> <p>2:45 P. M. Sanitary Design of Packing Houses Christopher Callahan <i>Agricultural Engineer, University of Vermont</i></p> <p>3:15 P. M. Information from Our Exhibitors</p> <p>3:30 P. M. How Do Insidious Microbes Enter the Food Supply Timothy Waller <i>Graduate Student Rutgers University</i></p> <p>4:00 P. M. Understanding the Americans with Disabilities Act & It's Impacts on Farms Melissa Allman <i>Senior Specialist, Advocacy & Government Relations, The Seeing Eye Inc.</i></p> <p>4:30 P. M. FSMA PSR Inspection Update Christopher Klinegunther <i>Bureau Chief of Inspections, NJDA</i></p> <p>5:00 P. M. Questions & Recertification Credits</p>	<p>Creative Marketing and Agritourism <i>Bill Hlubik</i> Agricultural Agent, Middlesex Co.</p> <p>2:45 P.M. Farmer Panel: Keeping Customers Satisfied Bill Hlubik <i>RCE, Middlesex Co. Ag Agent</i></p> <p>Brendon Pearsall <i>Pearsall Flowers</i></p> <p>Nicole Ort <i>Ort Farms</i></p> <p>Brett Bullock <i>Co-Owner Bullock Farms</i></p> <p>Ed Harbes <i>Harbes Family Farm</i></p> <p>3:45 P.M. Information from Our Exhibitors</p> <p>4:00 P.M. Current Trends in Direct Marketing in New Jersey & Group Discussion Bill Hlubik <i>RCE, Middlesex Co. Ag Agent</i></p> <p>5:00 P.M. Questions & Recertification Credits</p>	<p>Vine Crops <i>Michelle Infante-Casella</i> Agricultural Agent, Gloucester Co.</p> <p>2:45 P.M. Information from Our Exhibitors</p> <p>3:00 P.M. Soil Fertility for Pumpkins Joe Heckman <i>Soil Fertility Specialist in Soil Fertility, Rutgers NJAES</i></p> <p>3:30 P.M. Choosing a Cantaloupe Variety: Trial Results from PA Timothy Elkner <i>Ag Agent, Lancaster Co., Penn State Cooperative Extension</i></p> <p>4:00 P.M. Herbicide Study Results in Pumpkin Thierry Besancon <i>Extension Weed Specialist Rutgers NJAES</i></p> <p>4:30 P.M. Zucchini& Yellow Squash Variety Trial Results Michelle Infante-Casella <i>RCE, Gloucester Co. Ag Agent</i></p> <p>5:00 P.M. Questions & Recertification Credits</p>	<p>New Technologies for NJ Agriculture <i>Rick VanVranken</i> Agricultural Agent, Atlantic Co.</p> <p>2:45 P. M. Biologicals In Sustainable Food Production: Why & How? Surendra Dara <i>Cooperative Extension, University of California</i></p> <p>3:15 P. M. Forget the Drones! Bees Can Deliver Pest Controls Directly Where Needed Ian Collinson</p> <p>3:45P. M. Technology & Weed Control: Where We Currently Stand & Where We Might Be Going? Lynn Sosnoski <i>Weed Ecology & Management, Specialty Crops, Cornell Univ.</i></p> <p>4:15P. M. Compacted Plasticure Beds – Good for Backs and Bottom Lines Sanjay Shukla <i>Weed Ecology & Management Cornell University</i></p> <p>4:45 P. M. Information from Our Exhibitors</p> <p>5:00 P. M. Questions & Recertification Credits</p>
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2020 NJ Agricultural Convention & Trade Show and NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Thursday Day, February 6, 2020 WORKSHOPS

9:00 AM – 4:30 PM

Produce Safety Alliance Training

Wes Kline & Meredith Melendez

Agricultural Agents, Cumberland and Mercer Cos.

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

This training fulfills 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 & Training
- Soil Amendments
- Wildlife, Domesticated Animals & Land Use
- Agricultural Water – Production Water
- Agricultural Water – Postharvest Water
- Postharvest Handling & Sanitation
- How to Develop a Farm Food Safety Plan

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

The cost is **\$35/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)

To register go to Eventbrite: <https://rutgersfarmfoodsafety.eventbrite.com>.

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

REGULARLY SCHEDULED MEETINGS

✓ Indicates meeting will be held at RCE of Cumberland County

Extension Education Bldg., 291 Morton Ave, Rosenhayn, NJ (Between Carmel and Rosenhayn)

<p>✓</p> <p>Cumberland County Pesticide Certification Exam Schedule</p> <p>RCE of Cumberland County 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn & Carmel)</p> <p><u>2020</u></p> <p>Jan 15 Feb 19 Mar 25</p> <p>To Register call 609-984-6614 Information call 856-451-2800</p>	<p>Cumberland County Agriculture Development Board</p> <p>County Administration Bldg. Freeholder Room 164 W. Broad Street Bridgeton, NJ 08332</p> <p><u>2019</u></p> <p>Dec 10</p> <p><u>2020</u></p> <p>Jan 14 Feb 11 Mar 10 Apr 14 May 12 Jun 9 Jul 14 Aug 11 Sep 8 Oct 13 Nov 10 Dec 8</p> <p>Reg. Meetings start at 7 p.m. Information call 856-453-2211</p>	<p>✓</p> <p>Cumberland County Board Of Agriculture</p> <p>RCE of Cumberland County 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn & Carmel)</p> <p><u>2019</u></p> <p>Dec 19</p> <p><u>2020</u></p> <p>Jan 16 Feb 20 Mar 19 Apr 16 May 21 Sep 17 Oct 15 Nov 19 Dec 17</p> <p>Meetings start at 7 p.m. Information call Lew DePietro, President at 856-981-9843</p>
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The program in Cumberland County is suspended until further notice.

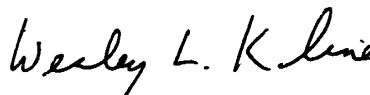
Cumberland County Improvement Authority (CCIA)
Pesticide Container Recycling
9:00 a.m. to 12 Noon
Cumberland County Solid Waste Complex
169 Jesse's Bridge Rd. (located off Route 55 Exit 29)
Deerfield Township, New Jersey

Questions? Call Division of Ag & Natural Resources, NJ Dept. of Ag 609-292-2242

Sincerely,



Salvatore S. Mangiafico, Ph.D.
County Agent II/Associate Professor
Environmental & Resource Management
Email: Mangiafico@njaes.rutgers.edu



Wesley L. Kline, Ph.D.
County Agent II/Associate Professor
Vegetable & Herb Production
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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.

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

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Cooperative Extension of Cumberland County



1915-2019

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