Phone: 856-451-2800 x1 Fax: 856-451-4206

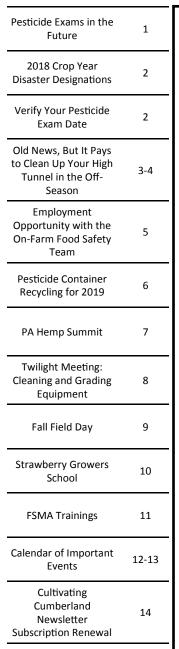
Cultivating Cumberland

October - 2019 VOL. 24, ISSUE 10

Inside this issue:

New Jersey Agricultural

Experiment Station



REMINDER:

The NJ Pesticide Applicator recertification deadline is October 31st. Don't FALL short with your credits!

Pesticide Exams in the Future

Wes Kline

The New Jersey Department of Environmental Protection (DEP) is working on an agreement to have the Rutgers Office of Continuing Professional Education (OCPE) to schedule and administer pesticide licensing exams of behalf of DEP for a fee. We do not know the cost, but \$100-125 pre-exam has been mentioned. That would mean if you are taking a core and category exam it would be \$200-250. OCPE will provide 24/7 online exam scheduling, increased exam dates and locations, email exam reminder and results, and a pesticide exam help line during normal business hours, Monday through Friday, for related questions. In addition, OCPE will work with customers to provide onsite exams at a facility for a minimum number of attendees. DEP will continue to provide free pesticide exams while the agreement with OCPE is finalized. Once the rule amendments are adopted, OCPE will be the sole provider of pesticide exams which will require the fee.

If you need to get a pesticide license or add a category, try to take the exam before January or you may be required to pay a fee!

Location	Exam Date	Registration Deadline
Burlington County Extension Office 2 Academy Drive, Westampton, NJ	NOV 13	OCT 30
Burlington County Extension Office 2 Academy Drive, Westampton, NJ	DEC 4	NOV 20
Essex County Environmental Center 621 B Eagle Rock Avenue, Roseland, NJ	NOV 26	NOV 12
Monmouth County Agricultural Building 4000 Kozloski Road, Freehold, NJ 07728	NOV 7	OCT 24

2018 Crop Year Disaster Designations

Farmers in Cumberland County are eligible for emergency loans through the USDA Farm Service Agency (FSA): Secretarial Disaster Designation #S4450 is due to the combined effects of excessive rainfall, flooding and Hurricanes Florence and Michael.

Incident Period of June 14 through Nov. 29, 2018.

Application Deadline: Close of business October 21, 2019.

Visit the website below for more information.

https://www.fsa.usda.gov/programs-and-services/farm-loan-programs/emergency-farm-loans/index

How to Verify Your Exam Date for Pesticide Testing:

- 1. Go to www.nj.gov/dep/
- 2. Click on "Pesticides" on the left side of the screen
- 3. Scroll down and click on "Pesticides" in the About Us section
- 4. Click on "Verify the Date of Your Exam"
- 5. Scroll down to "Pesticide Certification Exam Sign-Up Info" and look for which one your last name falls under. [A through I, J through Q, or R through Z]
- 6. Select your last name in the drop down box
- 7. Enter your birthday in this format MM/DD/YYYY
- 8. Enter the last 4 digits of your social security number
- 9. Hit Submit
- 10. The report will give you two options to view it, PDF or Excel. Click on PDF or Excel
- 11. It will then download onto your computer
- 12. Click on it at the bottom of your screen to open it

More options on the nj.gov/dep website; make online payments, find information about licensing, sign up for exams, find the exam schedule, check credits, check course history, find training courses or recertification courses, and many others.

If you need help navigating this website give Brandi a call at the Rutgers Extension Office of Cumberland County, 856-451-2800, ext 1.

Old News, But It Pays to Clean Up Your High Tunnel in the Off-Season

PAGE 3

Jerry Brust, IPM Vegetable Specialist, University of Maryland; ibrust@umd.edu Weekly Crop Update

Vol. 27, Issue 27. University of Delaware

I know growers are very aware that they should clean up their vegetable fields and high tunnel (HT) of old crops and weeds during the offseason. I also know that growers have many other things that need to be done during this time and they can't quite get to the cleaning. But spending some time now thoroughly cleaning up a high tunnel that is no longer in production rather than letting it sit over the winter will vastly improve your pest problems for the next year. Several of our most notorious insect/ mite pests such as two spotted spider mites and thrips can overwinter in a high tunnel on crop or weed green material. I have found both pests in HTs on winter annual weeds and very old barely green crop debris in February right before the grower was ready to start the new season. It is often thought that the winter cold will be enough to kill any insect or mite pest—but it is not. Research has shown that starting out 'dirty' in a high tunnel results in pests that quickly exceed thresholds much sooner than for a clean start, requiring twice as many pesticide applications before harvest. Good sanitation practices provide growers with a longer pest free window reducing the need for pesticides.

Disease problems are also increased in high tunnels that wait until just before planting next season's crop to clean-up. For soil diseases like Fusarium or root knot nematodes (which are an increasing problem in high tunnels) plant roots should be pulled up and carried out in plastic bags and disposed of. If you had foliar fungal disease problems this year you need to remove all plant material from the HT as soon after harvest as you can. The use of landscape fabric as a mulch in the HT cropping area is a great way of reducing soil contamination from plant material and is a much easier way of cleaning up during and after the season. A more difficult foliar problem is bacterial diseases. Not only does all the plant material have to be taken out in bags, but metal trellises must be sanitized using 10% bleach solution (1 part bleach to 9 parts water) or greenhouse sanitation products. After you clean the metal materials with bleach, you'll need to rinse them with clean water to prevent corrosion. If wooden stakes were used in the HT and you had a bacterial spot, speck or canker problem then you are probably better off disposing of the stakes as they are almost impossible to sanitize properly.

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One other thing I would like to see HT growers do when they take soil tests is to include soluble salt levels in the report. Over the years several HT growers have complained to me about how after 4-5 years of growing various vegetables (although tomatoes were the most grown) they are seeing poorer yields and 'unthrifty plants'. This seems puzzling because they have put a great deal of compost in their HT and the soil looks great. The problem, I think, is high soluble salts in the soil, which will damage overall plant fitness and yield. These excess soluble salts often come from fertilizers applied frequently without sufficient water (rain) to leach them through the soil. Besides synthetic fertilizers other soil amendments with high salt concentrations include manure and compost. The most common scenario that results from high soluble salt levels in the soil is plant drought stress as soil water is drawn away from plant roots to the high soluble salt regions in the soil. Root cells lose water resulting in wilted foliage and roots that are damaged.

However, another scenario that I think is happening more often in our high tunnels is when plant roots absorb the excess salts in the soil and are unable to metabolize them. The soluble salts enter the roots and are moved through the water conducting tubes to the leaves where the water evapotranspires, gradually concentrating the salts to toxic levels. The consequence of this type of salt stress in plants is a myriad of problems such as: poor growth, thin canopy, excessive leaf drop, poor fruit set and poor yields, with the next damage level up being necrotic leaf margins, especially on older leaves that can curl. Soluble salt damage to peppers in a high tunnel Some of our vegetable crops are much more sensitive to high soluble salts than others. Crops such as green beans, onions and peas are most sensitive while cabbage, cucumbers, peppers and potatoes are a little salt tolerant and broccoli, squash and tomato are moderately salt tolerant. These differing sensitivities may be why if tomatoes are grown most often in the HT and then peppers or cucumbers are grown the soluble salt problem can 'suddenly' appear. Some of the possible remedies for high salts include having adequate drainage to help move salts out of the root zone and flushing the soil with as much water as possible for several days (water should be applied slowly so it seeps down into the soil and does not runoff). After the season it may be best to take the plastic off the HT and allow rain and snow to move the salts out of the growing zone. But you need to know if you have high soluble salt levels first.

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Department of Agriculture and Natural Resources

EMPLOYMENT OPPORTUNITY

Join the On-Farm Food Safety Team

\$25 - \$30 per hour Up to 19.5 hours per week

Application deadline: 10/24/19 Work location is off campus at the

Rutgers Cooperative Extension of Cumberland County in Millville, NJ.

More information at https://jobs.rutgers.edu/postings/98830

NJDA STAFFED: Last day for the Season Pesticide Container Recycling for 2019

Helena Chemical
66 Route 206
(North of the Route 30/206 intersection)
Hammonton, New Jersey

Helena Chemical 440 N. Main St. Woodstown, New Jersey

Friday, October 4 – NJDA Staffed

9:00 am to 12:00 pm (Noon)

Friday, October 11, 2019

9:00 a.m. to 12:00 p.m. (Noon)

DO NOT DROP OFF CONTAINERS UNLESS IT IS DURING THE SCHEDULED COLLECTION PROGRAM

HELP SPREAD THE WORD – HELP US RECRUIT NEW PARTICIPANTS FOR THIS FREE PROGRAM so we can exceed last year's collection efforts.

Plastic Pesticide Container Processing Steps & Size Limits:

- 1. All pesticide containers must be either triple rinsed or pressure rinsed and drained and;
- 2. All pesticide containers must be free of residue (other than stains);
- 3. The booklet must be removed (you DO NOT have to remove the paper labels glued to the container or the plastic sleeves);
- 4. Foil seal must be removed;
- 5. Only non-refillable pesticide containers will be accepted you should drill a ¼-inch hole in the container or with a utility knife make a slit in the of the container so the container will not hold liquids;
- 6. Only pesticide containers embossed with HDPE or the recycling #2 will be accepted;
- 7. Pesticide containers up to 55-gallons in capacity will be accepted. 5-gallon pales must be cut in half; 30-gallon containers into at least 4 pieces; and 55-gallon containers into at least 6 pieces. This can be accomplished using a sawzall, chainsaw, circular saw, or reciprocating saw. It is not necessary to cut up containers less than 5-gallons; and
- 8. Pesticide containers must have originally held an EPA registered pesticide.
- 9. Containers must be tied together with string/twine.

Items That Will Not Be Accepted and Will be Returned to the Recipient:

- 1. Pesticide containers with dried formulation on the container, pour spout or the spout threads;
- 2. Pesticide containers with liquid residue;
- 3. Pesticide containers where the insides are caked with dried residue;
- 4. Mini-bulk, saddle tanks and nurse tanks, which can be made of fiberglass;
- 5. Pesticide containers with lids; or
- 6. Containers that held any type of petroleum oil product or antifreeze.

Non-Waxy Cardboard Collection: CARDBOARD FROM HELENA CHEMICAL PRODUCTS Only

Helena Chemical will also be accepting, at no charge, non-waxy cardboard since their products are sold to the end users in cardboard boxes. Every Friday during the months of May through October 2019 during the scheduled pesticide container collection times, cardboard will be accepted. Clean non-waxy cardboard must be broken down and flatten. The cardboard must be tied for the Atlantic County collection site.

For any questions contact Roberta Lang, NJDA, 609-292-2242

2019 Pennsylvania Hemp Summit October 7-8

Register today for the inaugural summit

PUBLISHED ON AUGUST 18, 2019

The inaugural Pennsylvania Hemp Summit will take place on **Tuesday, October 8, 2019, at the Lancaster Convention Center** in beautiful downtown Lancaster, Pennsylvania. The Summit will serve as a bridge to connect hemp farmers, processors, supporting industries, and hemp industry experts from across the country and internationally, and provide an occasion to learn, network and grow the businesses that comprise Pennsylvania's hemp industry. Space is limited, so register today to join us for this special occasion.

Event Details

Monday, October 7, 2019

- Welcome Networking Reception hosted by Lancaster Farming, 5:30 7:30 p.m., featuring a lively panel discussion led by Eric Hurlock of the *Lancaster Farming Industrial Hemp Podcast*.
- *Conference registration includes a complimentary ticket to the reception sponsored by Lancaster Farming. Tickets for non-conference attendees can be purchased on the registration page for \$25.

Tuesday, October 8, 2019

- Registration begins at 8:00 a.m., program begins at 8:45 a.m., Expo Hall closes at 5:30 p.m. Check the Summit Agenda for further details.
- The summit will feature a choice of "tracks" designed with specific audiences in mind, including: farmer, business, investor, and other/multiple. On the registration form, choose which track most accurately describes you.

Staying overnight? Accommodations can be made at the adjoining Lancaster Marriott at Penn Square for a discounted nightly rate of \$149, which includes complimentary overnight parking. **Book by Monday**,

September 16 for the best rate!

Further Information at https://teampa.com/pahempsummit/



TWILIGHT MEETING

OCTOBER 10, 2019 4:00-7:00 PM

CLEANING AND SANITIZING GRADING EQUIPMENT

SNYDER'S RESEARCH FARM 140 LOCUST GROVE ROAD PITTSTOWN, NJ 08867



Topics Covered

- Cleaning Packing Equipment
- Difference Between Cleaning & Sanitizing
- Different products to use for monitoring pH and sanitizer concentration
- Cleaning Harvest Equipment

This program is free but please visit the link below to register in advance.

HTTP://RUTGERSONFARMFOODSAFETY.EVENTBRITE.COM

For more information please contact Brandi at (856) 451-2800 x 1 or email BrandiWi@co.cumberland.nj.us





SFMANJ Fall Field Day Wednesday, October 23, 2019 DRUM POINT SPORTS COMPLEX

303 Brick Blvd., Brick Twp., NJ

NO CHARGE TO ATTEND!

Complimentary Breakfast Provided at Registration
Free Hot Lunch
Morning and Lunchtime Trade Show
Equipment Demos and Live Presentations
FREE MEMBERSHIP FOR 2019!!

EDUCATIONAL TOPICS:

Fertilization, Synthetic Turf, Natural Turf, Herbicides, Skins CREDITS!

For more information and registration visit the links below...

ATTENDEES REGISTER HERE

https://files.constantcontact.com/91d89c3b001/59427454-c7f2-44b6-be3e-d6dbb69453ea.pdf

VENDORS REGISTER HERE

https://files.constantcontact.com/91d89c3b001/d75fa1fd-6c13-4d2b-9381-c0a491bfb18d.pdf

SEE YOU THERE!

Please call the office with any questions (856) 514-3179



You're invited to attend:

Strawberry Growers School



The **Strawberry Growers School** is an all-day workshop for both current and prospective strawberry growers eager to learn more about producing a healthy and profitable crop. Experts from Pennsylvania and Maryland will educate attendees on all aspects of strawberry production.

We hope you can join us!

Fri., Nov. 15, 2019 (8:00 AM - 4:00 PM)

Berks County Ag Center 1238 County Welfare Rd., Leesport, Pennsylvania, 19533

Registration Deadline: Wednesday, November 13, 2019
Registration at https://extension.psu.edu/strawberry-growers-school

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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
IF YOU ARE UNABLE TO REGISTER ONLINE CALL BRANDI
AT (856) 451-2800 X 1 OR EMAIL AT BRANDIWI@CO.CUMBERLAND.NJ.US

Calendar of Important Events



Indicates a newly added event since the last calendar

October 17-19

PMA Fresh Summit Convention and Expo; 800 West Katella Avenue, Anaheim, CA 92802-3415 70th annual PMA Fresh Summit Convention and Expo in Anaheim, California; Speaker line up includes Robert Herjavec, from Shark Tank, Cathy Burns, CEO of Produce Marketing Association, and Queen Latifah, Musician, Actress, Author Entrepreneur; \$1045 for members and \$1570 for non-members;

Register online at https://www.pma.com/events/freshsummit/attendees/registration

October 23

Pesticide Safety and Regulatory Recertification Training for NJ Licensed Private and Commercial Applicators; Rutgers Cooperative Extension of Cumberland County; 291 Morton Avenue, Millville, NJ 08332; 9:00 A.M.- 12 P.M.; Registration fee of \$20.00; 6 CORE credits;

Register online at PesticideTraining.EventBrite.com

✓ November 13-14

Sensory Evaluation; Cook Student Center, 59 Biel Road, New Brunswick, NJ 08901; 8:30 A.M. – 4:30 P.M.; \$995 before October 30 or \$1025 after; Breakfast and lunch included; Build your sensory evaluation skills and develop a greater understanding of the science behind food aroma, taste, color, and texture in this 2-day class; For more information or to register online go to

http://www.cpe.rutgers.edu/courses/current/lf0606ca.html

✓ December 4

Ecological Evaluation; Rutgers Continuing Education at The Atrium, Suite 101, Room 114 Red Oak North, 300 Atrium Drive, Somerset, NJ 08873; The NJDEP's Ecological Evaluation Technical Guidance document and its revisions provide details on how to conduct an Ecological Evaluation (EE) and an Ecological Risk Assessment (ERA) for environmentally sensitive natural resources (ESNR) that may be impacted by contaminated sites. For more information or to sign up go to www.cpe.rutgers.edu/environmental

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 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; 800.431.0066; Fax, 410.296.8288; email, info@mants.com; www.mants.com

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; More information coming this fall; Save the date

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

Cultiva	ating Cumberlan	d Subscription Renew	al	
Name:	Farm Name:			
Address:				
City:	State:		o:	
Phone:	Cell: Fax:			
Email Address:				
	ption: I prefer my n		Emailed	
	Check all options	that apply below:		
My Business Affiliation	Ornamentals	Vegetables	Other	
O Commercial Farmer	Nursery	○ Fresh Vegetables	Small Fruit	
Ag-Related Business	○ Turf	O Processing Vegetables	○ Tree Fruit	
Private Consultant	○ Landscape	○ Herbs	○ Hay Production	
Agricultural Agent	○ Greenhouse	○ Specialty Crops	Other Field Crops	
○ Rutgers	○ Christmas Tree	Farm Market	○ Livestock	
Other University/College	○ Golf Course	O Pick Your Own		
OGovernment Agency				
Media				
Food Safety				

A PUBLICATION OF RUTGERS COOPERATIVE EXTENSION OF CUMBERLAND COUNTY

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)

Pesticide Certification
Exam Schedule
for Cumberland County

Agriculture Development Board

Cumberland County

Cumberland County Board Of Agriculture

291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn & Carmel) County Administration Bldg. Freeholder Room 164 W. Broad Street Bridgeton, NJ 08332

2019

Nov 12

291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn & Carmel)

2019 Oct 16

Oct 8

Dec 1

<u>2019</u>

Oct 17

3

Dec 10

Nov 21 Dec 19

To Register call 609-984-6614 Information call 856-451-2800 Reg. Meetings start at 7 p.m. Information call 856-453-2211

Meetings start at 7 p.m.

Information call Lew DePietro,

President at 856-981-9843

Program in Cumberland County 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

Salata S May fin

Email: Mangiafico@njaes.rutgers.edu

Weeley L. Kline

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



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/

Public Notification and Non-discrimination Statement

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

Cooperative Extension of Cumberland County



1915-2019

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