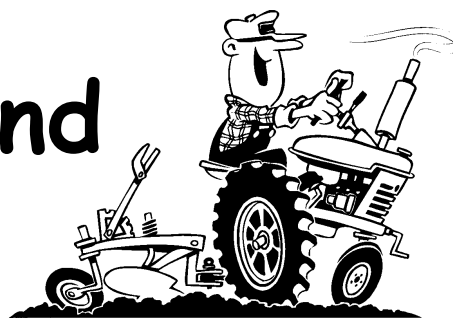


# Cultivating Cumberland

February - 2016 VOL. 21, ISSUE 2



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### Attachments:

- \*Topics in Nursery Production
- \*Philip Capaldi Scholarship
- \*CC Board of Ag Scholarship
- \*Food Safety for Retail and Wholesale Growers
- \*Advanced Food Safety
- \*SNAP EBT Farmer's Market Sign-up
- NJWEA Scholarship Application

**Cooperative Extension  
of Cumberland County**



1915-2015

## Telecommunication Problems

The County of Cumberland has agreed to act as the lead agency on behalf of 16 communities in South Jersey to pursue a petition before the Board of Public Utilities against Verizon NJ in an effort to compel Verizon to maintain copper landline services. CC Freeholder Director Joe Derella said, "Verizon is attempting to discontinue maintenance of copper landlines which means that telephone and telecommunication services, including internet service through copper landlines will ultimately deteriorate and fail. At that point telecommunications may be unavailable and unless telephone service through Comcast or cell phone service is available there may be no landline coverage at all in many communities. The County and 16 communities are fighting against the effort by Verizon to discontinue landline maintenance".

County Counsel Ted Baker said, "The County believes the problem is more widespread than just the 16 communities involved. The County of Cumberland would like residents who are experiencing landline telephone & telecommunication problems to report them to the County so that the County may bring these problems to the attention of the BPU."

Deputy Director Darlene Barber said, "A page on the County website has been set up to allow any person who is experiencing problems with telephone and telecommunication services to inform us of the problems in order to allow us to present this information to the Board of Public Utilities. The information can be provided by going to the Cumberland County website ([www.co.cumberland.nj.us](http://www.co.cumberland.nj.us)) and clicking on the Verizon Questionnaire line and filling out the information requested".

Mr. Baker said, "We are hopeful that residents from all communities will present information regarding these problems and to give us a more comprehensive picture of the scope of the problem and then numbers of people who are experiencing these problems. Typically, landline service which is deteriorating will not function well during precipitation events, fog, rain, snow, sleet, etc. and static, humming or other noises will interfere with a user's ability to communicate over the copper lines and in some instances a dial tone may not be able to be achieved. With this information the County of Cumberland hopes to be able to force Verizon to continue to maintain these landlines until fiber optic service is built out throughout the State of New Jersey."

We are requesting that everyone experiencing problems go to the website and complete the questionnaire. The more information we have before the BPU the better.

***Rutgers Cooperative Extension 100 Years of Service in Cumberland County***

## Public Comment Period Open

Patricia Hastings, Rutgers Pest Management Office

The imidacloprid preliminary pollinator risk assessment has been published in the Federal Register (FRN) and is now formally open for comment, with a 60-day comment period closing on March 15, 2016.

### Imidacloprid Registration Review; Draft Pollinator Ecological Risk Assessment; Notice of Availability:

This notice announces the availability of EPA's draft pollinator-only ecological risk assessment for the registration review of imidacloprid and opens a public comment period on this document.

Registration review is EPA's periodic review of pesticide registrations to ensure that each pesticide continues to satisfy the statutory standard for registration, that is, the pesticide can perform its intended function without unreasonable adverse effects on human health or the environment. As part of the registration review process, the Agency has completed a comprehensive draft pollinator-only ecological risk assessment for all registered agricultural uses of imidacloprid, with focus on agricultural crops that are attractive to pollinators.

For the FRN, see [https://www.federalregister.gov/articles/2016/01/15/2016-00740/imidacloprid-registration-review-draft-pollinator-ecological-risk-assessment-notice-of-availability?utm\\_campaign=subscription+mailing+list&utm\\_medium=email&utm\\_source=federalregister.gov](https://www.federalregister.gov/articles/2016/01/15/2016-00740/imidacloprid-registration-review-draft-pollinator-ecological-risk-assessment-notice-of-availability?utm_campaign=subscription+mailing+list&utm_medium=email&utm_source=federalregister.gov).

EPA's Public Announcement:

The U.S. Environmental Protection Agency (EPA) has opened the 60-day public comment period for its preliminary pollinator risk assessment for imidacloprid, a neonicotinoid insecticide, in a Federal Register notice. After the comment period ends, the EPA may revise the pollinator assessment based on comments received and, if necessary, take action to reduce risks from the insecticide.

The preliminary risk assessment identified a residue level for imidacloprid of 25 ppb, above which effects on pollinator hives are likely to be seen and below which effects are unlikely. These effects may include reduction in numbers of pollinators as well as the amount of honey produced.

The imidacloprid assessment is the first of four preliminary pollinator risk assessments for the neonicotinoid insecticides. Preliminary pollinator risk assessments for three other neonicotinoids, clothianidin, thiamethoxam, and dinotefuran, are scheduled to be released for public comment in December 2016.

A preliminary risk assessment for all ecological effects for imidacloprid, including a revised pollinator assessment and impacts on other species such as aquatic and terrestrial animals and plants will also be released in December 2016.

The EPA encourages stakeholders and interested members of the public to visit the [imidacloprid docket](#), review the risk assessment and related documents, and submit comments. All comments submitted will be accounted for in our final risk assessment. The risk assessment and other supporting documents are available in the docket at: <http://www.regulations.gov/#!docketBrowser;rpp=25;so=DESC;sb=postedDate;po=0;dct=SR;D=EPA-HQ-OPP-2008-0844>.

The EPA is also planning to hold a webinar on the imidacloprid assessment in early February. The times and details will be posted at: <http://www.epa.gov/pollinator-protection/how-we-assess-risks-pollinators>

## On-line GAPs Produce Safety Course

Betsy Bihn, Cornell University

The next English GAPs Online Produce Safety Course will begin February 10th. This course is intended to improve your understanding of GAPs to guide assessment of risks and implementation of practices to reduce risks on fresh produce farms. We have the following GAPs Online Produce Safety Course sessions scheduled for 2016:

10 February running through 01 March, 2016

09 March running through 29 March, 2016

06 April running through 26 April, 2016

Taking this course will not result in your farm being "GAPs Certified". GAPs certification is done by a third party (e.g. USDA, Primus, Global GAP) and involves the successful completion of an on-farm audit.

It is also important to consider that the GAPs Online Produce Safety Training Course is not currently equivalent to the required supervisor training described in the FSMA Produce Safety Rule 21 CFR Subpart C § 112.22 (c). This GAPs Online Produce Safety Training Course may, however, satisfy staff training requirements as described in the Produce Safety Rule in 21 CFR Subpart C § 112.21 (a) and (b). The **Produce Safety Alliance** will be offering training that meets this FSMA Produce Safety Rule requirement in 2016. You can sign up for the list serve at the Produce Safety Alliance website: <http://producesafetyalliance.cornell.edu/training.html> so that you will be notified of where and when these trainings will be held. We plan to have this online course updated to meet with the requirements outlined in § 112.22 (c) during the second quarter of 2016.

To register for any of the courses call 1-800-801-0287. When registering for the course, you will be asked to enter a "Group Number"—enter G000107. (Please note that these are zeros and not the letter "O"). A minimum of 10 people must be registered for us to offer the course and class size is limited to 25 people. The course price is \$190.

Please let Betsy Bihn ([eab38@cornell.edu](mailto:eab38@cornell.edu)), or Don Stoeckel ([dstoeckel@cornell.edu](mailto:dstoeckel@cornell.edu)) know if you have any questions or concerns. You can get more information about the course online at the GAPs web site ([www.gaps.cornell.edu](http://www.gaps.cornell.edu)).

E-mail Mark Kogut ([mlk29@cornell.edu](mailto:mlk29@cornell.edu)) if you wish to receive e-mail notifications of future online course dates and open registrations, or if you wish to be removed from the GAPs online course list serve.

## NJWEA Scholarships

Steven Yergeau, Rutgers Cooperative Extension

The New Jersey Water Environment Association (NJWEA) is pleased to offer its Scholarship Awards Program, named in honor of Dr. Raymond M. Manganelli, former Professor of Environmental Science at Rutgers University, and former Chair of the Association's Student Programs and Scholarship Awards Committees. NJWEA scholarship awards are available each year, ranging from \$2,000 to \$2,500 each; totaling \$38,500 annually. In addition the three regional sections of the NJWEA offer eleven scholarship totaling \$17,000. In total the program offers 28 awards with an annual value of \$55,500.

These awards are intended for both graduate and undergraduate students, including those attending county colleges and technical schools, as well as high school seniors.

Current application is attached to this newsletter. For further information, contact Steve Yergeau 732-505-3671 or email: [yergeau@njaes.rutgers.edu](mailto:yergeau@njaes.rutgers.edu)

## Rutgers Cooperative Extension Positions Available

Two county based staff positions are available at the following locations:

- **Program Associate I: Fruit IPM programming** (staff position, full time, calendar year appointment) Atlantic County, NJ. The posting can be found at <https://jobs.rutgers.edu/postings/19239>
- **Program Associate II: Consumer horticulture, commercial agriculture programming**, (staff position, full time, calendar year appointment), Passaic County, NJ. The posting can be found at <https://jobs.rutgers.edu/postings/19197>

All applications should be made through Rutgers Human Resources via the URLs provided above.

## Center for Produce Safety Awards 11 New Research Projects

The Center for Produce Safety (CPS) announced 11 new research awards valued at nearly \$2 million. The awards are for research projects directed at answering critical questions in specific areas of food safety practices for fruits and vegetables; pre-harvest, harvest and post-harvest handling; and food safety and the environment. The objective is to provide the produce industry with practical, translatable research data that can be used at all levels of the supply chain.

"We're very encouraged and excited about this round of funded research projects. The research being conducted with CPS has great relevance to all points of the supply chain - farmers, shippers, handlers and consumers. The goal for CPS and our research partners is to help identify solutions and keep fresh produce safe for everyone," said Drew McDonald, VP, Quality, Food Safety & Regulatory Affairs at Church Brothers, and the newly appointed Chair for the CPS Technical Committee. "The broad range of the projects reflects the commitment of a cross section of public and private partners from the United States and around the world. I am encouraged by the continued and growing support from industry stakeholders for the Center for Produce Safety research programs."

One of the new industry partners is the California Fresh Fruit Association (CFFA). Barry Bedwell, CFFA President, noted, "The California Fresh Fruit Association, which represents thirteen fruit commodities, is proud to be a partner in food safety with CPS. Their expertise and guidance helped shape a very strong research project that will confirm the industry's commitment to food safety."

The awards were made possible by funds provided by the Center for Produce Safety's campaign contributors and the California Department of Food and Agriculture Specialty Crop Block Grant Program.

### **2015 RFP Grant Recipients (projects will begin January 2016):**

#### **Kelly Bright, University of Arizona**

Identification of novel indicator organisms to determine the risks of fecal contamination of irrigation waters

#### **Michael Cahn, University of California Cooperative Extension**

Microbial food safety risks of using tail water for leafy green production

*Continued on page 5*

*Continued from page 4*

**Michelle Danyluk, University of Florida**

Factors that influence the introduction, fate and mitigation of foodborne pathogens on mangoes throughout the production chain

**Eduardo Gutierrez-Rodriguez, North Carolina State University**

Establishing die-off rates of surrogate and virulent EHEC-STEC strains from strawberry and cilantro surfaces: time, inoculum dose and chemical intervention

**Xiuping Jiang, Clemson University**

Validating a physically heat-treated process for poultry litter in industry settings using the avirulent *Salmonella* surrogates or indicator microorganisms

**Rolf Joerger, University of Delaware**

Evaluation of the efficacy of antimicrobial agents to prevent the transfer of *Listeria monocytogenes* from existing biofilms to produce or processing surfaces

**Steven Pao, California State University of Fresno**

Evaluation of sanitizing treatments for sizer carriers in stone fruit packinghouses

**Laura Strawn, Virginia Polytechnic Institute and State University**

Control of cross-contamination during field-pack and retail handling of cantaloupe

**Max Teplitski, University of Florida**

Comparative genomics analysis and physiological assessment of the avirulent *Salmonella* surrogate relevant to produce safety

**Martin Wiedmann, Cornell University**

Pathogen physiological state has a greater effect on outcomes of challenge and validation studies than strain diversity

**Stefan Wuertz, University of California, Davis**

Prevalence of diverse parasites on packaged salads and associated risks to consumers based on detection of viable oocysts and quantitative microbial risk assessment

To date, CPS has funded 112 projects valued at over \$18 million.

## Changes to the February 11 Food Safety Workshop at the Agricultural Convention

We will not be providing the Food Safety Modernization Act Produce Safety certification training in Atlantic City. The Food and Drug Administration has not given us approval for the training modals which were developed over the last two years. They continue to review the modals which means we will not be doing the training until fall 2016 at the earliest. Following is the program for the Food Safety Workshop.

8:30 am – 9:30 am	Final FSMA Produce Safety Rule: How Does It Impact Your Farm Operation <b>Wesley Kline</b> , Agricultural Agent, Cumberland County
9:30 am – 10:00 am	FSMA Produce Safety Rule: Are you in or are you out? Navigating Exemptions, Exclusions, and Farm Definitions <b>Gretchen Wall</b> , Coordinator, Produce Safety Alliance
10:00 am – 10:30 am	The Difference Between FSMA Requirements and Your Third Party Audit Requirements <b>Meredith Melendez</b> , Agricultural Agent, Mercer County
10:30 am – 10:45 am	<i>Break</i>
10:45 am – 11:45 pm	Update on Salmonella and Food Safety Research in the Mid-Atlantic Region <b>Dr. Kali Kniel</b> , Professor, Microbial Food Safety, Department of Animal and Food Sciences, University of Delaware
11:45 pm – 12:00 pm	How Effective Is Your Handwashing <b>Meredith Melendez</b> , Agricultural Agent, Mercer County
12:00 pm – 1:00 pm	<i>Lunch</i>
1:00 pm – 2:00 pm	Water Testing, Geometric Means, and Statistical Threshold Values – Oh My! <b>Gretchen Wall</b> , Coordinator, Produce Safety Alliance
2:00 pm – 2:30 pm	Using ATP tests for Evaluate Your Packinghouse Sanitation Program <b>Meredith Melendez</b> , Agricultural Agent, Mercer County
2:30 pm – 3:00 pm	<i>Reflections &amp; Questions</i>
3:00 pm	<i>Adjourn</i>

## **Calendar of Important Events**

↗ Indicates the newly added event since last calendar

### **February 2016**

#### **February 5**

**Pest Management of Landscape Turf**, Rutgers Cont. Ed, New Brunswick; \$210; 9am-3:30 pm. Credits: 2 Cat. 13; 11 Cat. 3B & PP2. For info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271.

#### ↗ **February 8**

**Designing and Installing Retaining Walls**, Rutgers Cont. Ed, New Brunswick; \$270; 9am-4pm. For more info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271.

#### **February 6-12**

**IFTA 59th Annual Conference**, Michigan. For more information visit: [www.ifruittree.org](http://www.ifruittree.org)

#### **February 9-11**

**New Jersey Agricultural Convention & Trade Show**, Harrah's Convention Center, Atlantic City, NJ. For more information visit: [www.njveggies.org](http://www.njveggies.org)

#### **February 9-10**

**Beds and Borders Seminar**, Rutgers Cont. Ed, New Brunswick; \$430; 9am-3:30pm. For more information visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271.

#### ↗ **February 12**

**Tree Planting and Installation**, Rutgers Cont. Ed, New Brunswick; \$270; 9am-3:30pm. For more info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271

#### ↗ **February 16**

**Tree Pruning**, Rutgers Cont. Ed, New Brunswick; \$270; 9am-3:30pm. For more info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271

#### **February 16-17**

**Athletic Field Maintenance and Construction**, Rutgers Cont. Ed, New Brunswick; \$395. For more info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271. Credits: 8 categories 13 and 3B.

#### ↗ **February 17**

**Plant Health Care**, Rutgers Cont. Ed, New Brunswick; \$270; 9am-3:30pm. For more info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271. Credits: 6 each categories 2, 3A and PP2

#### ↗ **February 17 (Rain date: February 19th)**

**Grapevine Pruning Workshop**, Rutgers Ag Res. & Ext. Ctr, 121 Northville Rd., Bridgeton, NJ; 1-3pm; pre-registration required. For info call Joan Medany 856-307-6450 or email: [jmedany@co.gloucester.nj.us](mailto:jmedany@co.gloucester.nj.us)

#### **February 18**

**Sustainable Landscape Design**, Rutgers Cont. Ed., New Brunswick; \$195 by 2/4; \$210 after; 9am-3:30pm. For info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271. Credits: 3 cat. 3A, 6B, 8C, 13 & PP2

#### **February 19**

**Natural & Integrated Pest Management Strategies for Sports Turf**, Rutgers Cont. Ed., New Brunswick; \$175. For information visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271. Credits: 9 cat. 3B and 13

**February 23**

**Baseball & Softball Skin Surface Selection & Management.**, Rutgers Cont. Education, New Brunswick; \$175. For more information visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271. Credits: 4 cat. 3B & 13.

**February 24-25**

**6th Annual NJ Plants Show**, NJ Convention Center; 9am-4pm. Pesticide credits are being offered. For more information visit: [www.njplantshow.com](http://www.njplantshow.com)

**February 25-27**

**MOSES Organic Farming Conference**, La Crosse, Wis. For more info visit: [www.mosesorganic.org](http://www.mosesorganic.org)

**February 26**

**Turfgrass Disease Mgt.**, Rutgers Cont. Ed, New Brunswick; \$195. For info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271. Credits: 10 cat. 3B, 3C, 6B & PP2 and 2 category 13

**February 26**

**Central Jersey Vegetable Meeting**, Ag Building, 4000 Kozloski Rd., Freehold, NJ. Pesticide credits requested: 5 CORE, 4 each categories 1A & PP2 and 2 category 10; \$25 includes lunch. For information call Joanne 732-431-7260.

**March 2016****March 2-4**

**2016 North American Raspberry & Blackberry Conference**, Williamsburg, Va. For more information visit: [www.raspberryblackberry.com](http://www.raspberryblackberry.com)

**March 7-8**

**Managing Turfgrass & Landscape Weeds**, Rutgers Cont. Ed, New Brunswick, \$395. For info visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271. Credits: 4 in CORE; 16 in 2, 3A & PP2 and 8 in 3B, 6B & 8C.

**March 19**

**Volunteer Rose Pruning Event**, Colonial Park Gardens, Franklin Township, Free with suggested donation, 8am-noon. For more info call 732-873-2459 x21.

**April 2016****April 2**

**NJ Junior Breeder and Young Farmer Symposium**, Rutgers University School of Environmental and Biological Science, Round House, College Farm Road, New Brunswick. For more info call 609-984-4389 or email: [lynn.mathews@ag.state.nj.us](mailto:lynn.mathews@ag.state.nj.us)

**April 2**

**Spring Pruning Demonstration**, Colonial Park Gardens, Franklin Township, \$15, 9-11 am (rain date April 9), 30 people limit. For more info or to register call 732-873-2459 x21.

**May 2016****May 14**

**"Flower Buds-Let's Get Growing" Children's Garden Workshop**, Colonial Park Gardens, 10am-noon (rain date May 21); \$15 per child ages 5-8 (limit 10 & must be accompanied by an adult). Pre-registration by Friday, May 6 required. For information call 732-873-2459 x21.



## REGULARLY SCHEDULED MEETINGS

✓ Indicates meeting will be held at RCE of Cumberland County

<p>✓</p> <p><b>Pesticide Certification Exam Schedule—Cumberland County</b> 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel)</p> <p><u>2016</u></p> <p>Mar 24</p> <p>Sept 22      Oct 20</p> <p>To Register call 609-984-6614 For directions call 856-451-2800</p> <p>*****</p>	<p>✓</p> <p><b>Cumberland County Agriculture Development Board</b> Soil Conservation Office 1516 Highway 77 Deerfield Street, NJ 08332</p> <p><u>2016</u></p> <p>Feb 10    Mar 9</p> <p>Apr 13    May 11    Jun 8</p> <p>Jul 13    Aug 10    Set 14</p> <p>Oct 12    Nov 9    Dec 14</p> <p>Reg. Meetings start at 7 p.m. Call DeAnn at 856-453-2211</p> <p>*****</p>	<p>✓</p> <p><b>Cumberland County Board Of Agriculture</b> 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel)</p> <p>7 pm meetings</p> <p><u>2016</u></p> <p>Feb 18    Mar 17</p> <p>Apr 21    May 19    Sept 15</p> <p>Oct 20    Nov 17    Dec 15</p> <p>For info call Hillary Barile, President 856-453-1192</p> <p>*****</p>
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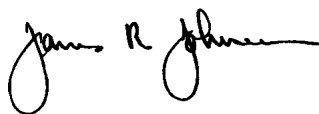
**Cumberland County Improvement Authority (CCIA)  
Pesticide Container Recycling  
9:00 a.m. to 12 Noon**

Cumberland County Solid Waste Complex  
169 Jesse's Bridge Rd. (located off Route 55 Exit 29)  
Deerfield Township, New Jersey

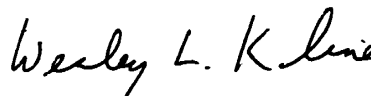
Questions? Call Division of Ag & Natural Resources, NJ Dept. of Ag 609-292-5532

2016 Dates published when received

Sincerely,



James R. Johnson  
Agricultural Agent  
Nursery Management Commercial  
Internet: jjohnson@njaes.rutgers.edu



Wesley L. Kline, Ph.D.  
Agricultural Agent  
Vegetable & Herb Production  
Internet: 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.

*Rutgers Cooperative Extension 100 Years of Service in Cumberland County*

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PERMIT NO. 186

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

**RUTGERS**  
New Jersey Agricultural  
Experiment Station

## Registration Form

### Topics in Nursery Production Thursday, February 25, 2016

**Meeting Registration: \$20 per person**  
(Registration fee covers morning  
coffee/tea and hot buffet lunch)  
**\$10.00 per person if no lunch**

Names of individuals attending (please print)

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Amount Enclosed: \$20 X \_\_\_\_\_ = \$ \_\_\_\_\_

Amount Enclosed: \$10 X \_\_\_\_\_ = \$ \_\_\_\_\_

Make check payable to:

**Board of Agriculture Research Account**

Please cut off registration form and mail with payment to:

➡ Jim Johnson  
Agricultural Agent  
Extension Education Center  
291 Morton Avenue  
Millville, NJ 08332

*We cannot accept purchase orders or vouchers.*

### DIRECTIONS TO

**Rutgers Cooperative Extension of Cumberland County**  
Extension Education Center  
291 Morton Avenue (County Road #634)  
(between Rosenhayn & Carmel)  
856/451-2800

#### From the North:

1. Take the NJ Turnpike to Exit 4
2. Drive West on Route 73 to Route 295 South
3. Take 295 South to Exit 26 (Route 42 South)
4. Proceed South on Route 42 to Route 55 South
5. Proceed South on Route 55 for approximately 29 miles
6. Take Exit 29 to Route 552 West (left turn)
7. At the second traffic light (approximately 3 miles from the overpass), turn right onto Morton Avenue
8. Drive 1 to 1 ½ miles North on Morton Avenue
9. The Extension Education Center is on the left (brownstone & cedar-shingled building). There are two roadway entrances and a sign on the road in front of the building

#### From the Northeast:

1. Take Garden State Parkway South to Exit 44
2. Go South on Route 575 to Route 322
3. Turn right (North) onto Route 322 and proceed about 1/4 mile to the Route 40 jug handle at the shopping center (Hamilton Mall)
4. Proceed West on Route 40 approximately 7 miles to Route 552 (left turn)
5. Proceed West on Route 552. After approximately 12 miles, you must take a right turn onto Sherman Avenue. It is still Route 552 West
6. After driving through a Vineland residential area, cross Route 47 (Delsea Drive), and across the overpass of Route 55
7. At the second traffic light (about 3 miles from the overpass), turn right onto Morton Avenue
8. Drive 1 to 1 ½ miles North on Morton Avenue
9. The Extension Education Center is on the left (brownstone & cedar-shingled building). There are two roadway entrances and a sign on the road in front of the building

#### From the South:

1. Take Route 55 North to Exit 29
2. Turn left onto Route 552 West (Sherman Avenue)
3. At the second traffic light (about 3 miles from the overpass), turn right onto Morton Avenue
4. Drive 1 to 1 ½ miles North on Morton Avenue
5. The Extension Education Center is on the left (brownstone & cedar-shingled building). There are two roadway entrances and a sign on the road in front of the building

Handicapped parking and a ramp are located at the front of the building.

Please do not use the lot directly behind the Extension Education Center. It is for employee and maintenance parking.

Ample parking is located to the side of the building and the lot directly behind the employee parking lot.

**RUTGERS**  
New Jersey Agricultural  
Experiment Station

## Topics in Nursery Production

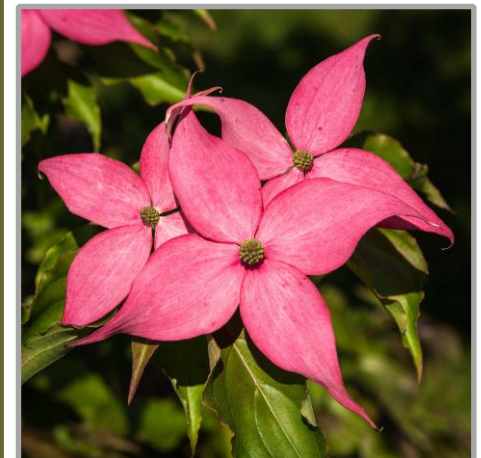
Thursday, February 25, 2016

*Reviewing the Past ...*

*As we look toward the Future*

**RCE of Cumberland County**  
Extension Education Center  
291 Morton Avenue  
Millville, NJ 08302  
(between Rosenhayn & Carmel)

**Tel: 856/451-2800**  
**FAX 856/451-4206**



**Registration Deadline:**  
**Monday, February 22, 2016**

# Program Details

## Morning Session:

- 8:30 Registration
- 8:55 Welcome & Introductions  
Jim Johnson, Agricultural Agent
- 9:00 Pest control: Searching the Internet for appropriate and legal ideas that fit your business  
Jim Johnson
- 9:30 Plant nutrition: A review - media, fertilization and irrigation  
Dr. Raul Cabrera
- 10:30 Water quality: What's in the water that we need to be concerned about?  
Dr. Sal Mangiafico
- 11:00 Break
- 11:15 Recycling waste water survey & videos and;  
A review of the national survey of nursery marketing as related to New Jersey  
Dr. Robin Brumfield
- 11:45 Container & field weed control management & what's up with *Kyllinga*?  
Carrie Mansue
- 12:15 Lunch
- 

## Afternoon Session:

- 1:00 *Cornus kousa* 'Rutpink' Scarlet Fire™ dogwood & other new, colorful and disease-resistant plants from the Rutgers ornamental crop breeding program  
Dr. Tom Molnar
- 1:30 WPS: 2015 changes in worker protection standards  
Dr. George Hamilton
- 2:00 IPM: Management of and reservoirs for insect pests and beneficial insects  
Steve Rettke
- 2:30 Break
- 2:45 Propagation & propagation sanitation management of three species: *Cornus kousa*, *Corylus avellana* & *Vaccinium macrocarpon*  
Jim Johnson
- 3:15 Open forum for questions and input
- 3:30 Anticipated pesticide recertification credits:  
3 credits for Core  
3 credits for category PP2  
3 credits for categories 1A, 3A
- 4:15 Adjourn

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*Registrations are confirmed when forms and payments are received by Cooperative Extension of Cumberland County. No confirmation notice will be sent. Registration and refund deadline:  
Monday, February 22, 2016.*

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Register by Monday, February 22, 2016

# Philip Capaldi Memorial Agricultural Scholarship

### *Civic Leadership and Scholastic Achievement Related to Agriculture*

# APPLICATION

Return to: Cumberland County Board of Agriculture, 291 Morton Avenue, Millville, NJ 08332 by APRIL 15.

**Name:**\_\_\_\_\_ **Age:**\_\_\_\_\_

**Address:**\_\_\_\_\_

**Phone:** \_\_\_\_\_

**High School:** \_\_\_\_\_ **Present Grade:** \_\_\_\_\_ **Cumulative Grade Average:** \_\_\_\_\_

**MY PLANS FOR CONTINUING MY EDUCATION:**

Name of College or Technical School: \_\_\_\_\_

Address: \_\_\_\_\_

Course of Study: \_\_\_\_\_

## MY FUTURE CAREER PLANS:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface. There is no handwriting or other markings on the paper.

Over...

**MY PAST WORK EXPERIENCE IN AGRICULTURE:**

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**REFERENCES:** (at least three)

Name	Address	Phone #-

*Payment of the scholarship will be made pending acceptance and enrollment in college or vocational school.*

**Date:** \_\_\_\_\_

**Signed:** \_\_\_\_\_  
(Applicant)

**Signed:** \_\_\_\_\_  
(Parent/Guardian)

# Cumberland County Board of Agriculture Scholarship

**Student must be a Cumberland County resident pursuing a degree in Production Agriculture/Horticulture, Agricultural Education, Environmental Science, Agronomy or related field.**

Return to : Cumberland County Board of Agriculture 291 Morton Ave. Millville NJ 08332 by April 15<sup>th</sup>

Name : \_\_\_\_\_ Age: \_\_\_\_\_

Address : \_\_\_\_\_

High School/ College : \_\_\_\_\_ GPA : \_\_\_\_\_

**Clubs and or volunteer work in the community:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name of College or Technical School : \_\_\_\_\_

Address : \_\_\_\_\_

Course of Study : \_\_\_\_\_

**Explain what your background is and why you are applying for this Scholarship:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

What are your plans after college:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

References : (at least 3)

Name : \_\_\_\_\_ Phone : \_\_\_\_\_

Name : \_\_\_\_\_ Phone : \_\_\_\_\_

Name : \_\_\_\_\_ Phone : \_\_\_\_\_

**Please provide one letter of recommendation**

Payment of the scholarship will be made directly to college or technical school pending acceptance and enrollment

Signed : \_\_\_\_\_ Date : \_\_\_\_\_

(Applicant)

Singed : \_\_\_\_\_ Date : \_\_\_\_\_

(Parent/Guardian)

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# SNAP EBT Farmer's Market Sign-Up

A collaborative effort between USDA/FNS, Farmers Market Coalition,  
& State Agencies for Agriculture and SNAP

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A win/win for Farmer's Markets and Direct Marketing Farmers:

*Increased customer base*

*Increased economic benefits for you and your communities*

*Healthy and nutritious options for SNAP recipients*

## How to apply to become authorized to accept SNAP:

Online – it takes approximately one hour

<http://www.fns.usda.gov/ebt/learn-about-snap-benefits-farmers-markets>

Call to receive paper application – Retailer Toll Free information

1-877-823-4369

What to bring to the sign-up event:

1. Picture ID (driver's license or passport)
2. Social Security Card (or other official document with your name and SSN)
3. Copy of voided check for bank account you will use to deposit funds.

Non Profit Organizations:

4. Copy of your 501(3)(c) for Non-Profit Organizations
5. Employer Identification Number (SS# not necessary)

## Find out if you qualify for FREE wireless point of sale EBT equipment!

For more information, please visit the following website:

<http://farmersmarketcoalition.org/programs/freesnapebt/>

New Jersey was also awarded grant money to offer free wireless equipment.

Please contact the New Jersey State EBT Contact for more information:

Dewanda Kelly, State of NJ, Division of Family Development, EBT Unit, 609-631-4960

# SNAP EBT Farmers Market Authorization Events

A collaborative effort between USDA/FNS & State Agencies for  
Agriculture and SNAP

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## **NJ Vegetable Growers Conference, Atlantic City, NJ**

February 9-11, 2011

<http://njveggies.org/convention.htm>

## **Warren County Community College**

475 NJ-57, Washington, NJ 07882

**Wednesday, February 17, 2016**

9:30 am – 12:30 pm

## **West Windsor Farmers' Market Association**

March 2, 2016

What to bring to the sign-up event:

1. Picture ID (driver's license or passport)
2. Social Security Card (or other official document with your name and SSN)
3. Copy of voided check for bank account you will use to deposit funds.

For more information please contact Joni Garcia at [Joni.Garcia@fns.usda.gov](mailto:Joni.Garcia@fns.usda.gov) or (609) -259- 5160

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United States Department of Agriculture  
Food and Nutrition Service

**NJWEA 2016 Scholarship Application Form**  
**Due date: March 2, 2016**

Please send completed form and application materials to  
Peter F. Strom, Dept. Environmental Science  
Rutgers University, 14 College Farm Road, New Brunswick, NJ 08901-8551  
strom@aesop.rutgers.edu; 848-932-5709

Name: \_\_\_\_\_

Scholarship(s) applied for: \_\_\_\_\_

School: \_\_\_\_\_

Major/Program: \_\_\_\_\_ Degree Sought: \_\_\_\_\_

Credits Completed (end of Spring semester): \_\_\_\_\_ Expected degree completion (mo./yr): \_\_\_\_\_

Permanent Address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

School Address (if different) : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Phone(s): \_\_\_\_\_

email address: \_\_\_\_\_

Document(s) included: \_\_\_\_\_

\_\_\_\_\_

Document(s) sent separately: \_\_\_\_\_

\_\_\_\_\_

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## Program Schedule

7:45 am      **Registration**

8:00 am      **Class Begins**  
*Wayne, Knerr, Helena Chemical*

Pesticide testing taking place in the building starting at 10am; with additional sittings at 12pm and 2 pm. You must be registered with the New Jersey DEP to sit for any test.

6 CORE credits have been assigned for this class!

All necessary paperwork for registering with the DEP will be distributed at the end of class.

**This class will be held in the Klem Activity building behind the Extension Center. There is a sign on Morton Avenue indicating where you should turn to get to the building. Any questions either call Tammy at 856-451-2800 x1 or stop in the Extension Center. A small amount of parking is available at the Klem Activity Building. Majority of the parking is at the Extension Center. Those parking at the Extension Center will need to walk through the path to get to the Klem Activity Building.**

## Registration Form

Please Send in with Payment

Name(s)

e-mail

Address

Telephone

Cost: FREE

RETURN registration by March 22<sup>nd</sup>.  
No confirmation notices will be sent.

**Mail to:**

Pesticide Training  
Rutgers Cooperative Extension-Cumberland Co.  
291 Morton Avenue, Millville, NJ 08332  
ATT: Tammy

**Questions:** Contact Tammy Commander at  
856-451-2800x1 or Wayne Knerr at 609-685-5246

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

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## Why you should attend:

### Topics of Interest:

- Required training for CORE test
- Discuss various category requirement
- Get answers to all of your questions
- No charge for the class
- Make pesticide testing easy
- Pesticide credits requested

### Details

**Date:** Thursday, March 24, 2016

**Place:** Rutgers Cooperative Extension,  
Klem Activity Building  
291 Morton Ave., Millville, NJ

**Cost:** Free

Pre-registration requested by Mar. 22, 2016.

Questions: Call 856-451-2800 x1

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## Directions

856-451-2800

### From the North:

1. Take the NJ Turnpike to Exit 7
2. Take 295 South to Exit 26 (Rt. 42 S)
3. Proceed South on Rt. 42 to Rt. 55 South
4. Proceed South on Rt. 55 for about 29 miles
5. Take Exit 29 to Rt. 552 West (left turn)
6. Go approximately 3 miles into Carmel
7. Turn right at the stop light onto Morton Ave.
8. Go 1 – 1 ½ miles North on Morton Ave.
9. The Extension Center is on the left (brownstone & cedar-shingled building).  
There are two entrances and a sign on the road in front of the building.

### From the Northeast:

1. Take Garden State Parkway South to Exit 44
2. Go South on Rt. 575 to Rt. 322
3. Turn right (North) onto Rt. 322 and proceed about ¼ mile to the Rt. 40 jughandle at the shopping center (Hamilton Mall)
4. Proceed West on Rt. 40 approximately 7 miles to Rt. 552 (left turn)
5. Proceed West on Rt. 552. After about 12 miles, you must take a right turn onto Sherman Ave. which is still Rt. 552 West
6. You will go through a Vineland residential area, cross Rt. 47, and cross the overpass of Rt. 55
7. At the stop light (~3 miles from the overpass), turn right onto Morton Ave.
8. Go 1 – 1 ½ miles North on Morton Ave.
9. The Ext. Center is on the left (brownstone & cedar-shingled bldg.) There are 2 entrances and a sign on the road in front of the building

### From the South:

1. Take Rt. 55 North to Exit 29
2. Turn left onto Rt. 552 West (Sherman Ave.)
3. Go about 3 miles into Carmel
4. Turn right at the stop light onto Morton Ave.
5. Go 1 – 1 ½ miles North on Morton Ave.
6. The Ext. Center is on the left (brownstone & cedar-shingled bldg). There are 2 entrances and a sign on the road in front of the building

**RUTGERS**

New Jersey Agricultural  
Experiment Station

**SOUTH JERSEY**

### CORE Training

**Thursday, March 24, 2016**

**8:00 a.m. – 12:00 p.m.**

Rutgers Cooperative Extension of  
Cumberland County  
291 Morton Avenue  
(County Rt. 634 between Rosenhayn & Carmel)  
Millville, NJ 08332

### Required training for CORE Pesticide test

**To register, please fill out and mail  
registration form in this brochure by  
March 22, 2016.**