

# Cultivating Cumberland

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## South Jersey Nursery Meeting *"Ideas that Maximize Return & Minimize Impacts"*

Tuesday, October 25, 2011  
8:30 a.m. - 4:00 p.m.

RCE of Cumberland County  
Extension Education Center  
291 Morton Avenue  
Millville, NJ 08332  
(Between Rosenhayn & Carmel)

Cost: \$20.00 includes morning coffee/tea and hot buffet lunch  
\$10.00 per person if no lunch

This year's meeting will feature several specialists in the field of "Maximizing Returns while Minimizing Impacts". The following recertification credits are anticipated from the DEP: 1 Core credit and 2 credits for each of the following categories: PP2, 1A, 3A and 10.

Pre-registration is required no later than **Friday, October 21st**. To register, see attached program/registration form. Registrations are confirmed when forms and payment is received by RCE of Cumberland County. No confirmation notice will be sent. We cannot accept purchase orders, credit cards or vouchers.

Send registration form and payment to: **Jim Johnson, County Agricultural Agent, Extension Education Center, 291 Morton Avenue, Millville, NJ 08332.**

For additional information, call Rutgers Cooperative Extension of Cumberland County at 856-451-2800 x1.

## **Governor Christie Announces Agricultural Natural Disaster Designation Approved for 20 New Jersey Counties**

Michael Drewniak or Kevin Roberts 609-777-2600

Governor Chris Christie announced that United States Secretary of Agriculture Thomas Vilsack has granted a Natural Disaster Designation for 20 New Jersey counties following flooding and high winds from Hurricane Irene and several other weather disasters for farmers so far this year. The designation includes all counties in the state, except for Hudson.

Governor Christie requested the disaster designation prior to Hurricane Irene but the request was open-ended and covers damages and crop loss beginning May 14, 2011 and continuing. Besides the hurricane, farmers suffered through excessive heat and rain, flash flooding, and hail during 2011.

"Hurricane Irene has had a widespread impact on our state and many farmers have taken a severe hit, not just from the effects of Irene, but from other severe weather throughout the 2011 growing season," said Governor Christie. "In addition to the federal assistance being provided through President Obama's federal disaster designation, now farmers who suffered losses will have additional federal agriculture assistance programs at their disposal."

"This Natural Disaster Designation makes farmers, some of whom have lost entire crops, eligible for federal disaster relief programs offered through the U.S. Department of Agriculture," said New Jersey Secretary of Agriculture Douglas H. Fisher. "We are very thankful for Governor Christie and Secretary Vilsack's support in bringing this about quickly so our farmers can get the relief they need."

"Farm Service Agency is in the process of assessing just how severe our farmers' losses are this year, after a series of extreme weather conditions," said Paul Hlubik, Executive Director of USDA's Farm Service Agency in New Jersey. "I'm grateful to Secretary Vilsack, Governor Christie, and Secretary Fisher for their swift action to make the disaster designation possible. It will not only make farmers eligible for low-interest loans and restructuring, it also will provide direct relief through the Supplemental Revenue disaster assistance program to anyone who meets the eligibility criteria."

The disaster designation makes farm operators eligible to be considered for assistance from Farm Service Agency, provided eligibility requirements are met. This assistance includes FSA emergency loans and the Supplemental Revenue Assistance Payments Program (SURE).

Farmers in eligible counties have eight months from the date of the Secretarial disaster declaration to apply for emergency loan assistance. The loans could cover up to 100 percent of the dollar value of the losses. Farmers must have suffered a 30 percent loss in crop production or physical loss to livestock, inventory or property and meet FSA's eligibility requirements. FSA considers each loan application on its own merits, taking into account the extent of losses, security available and repayment ability.

SURE program applications for 2011 crop losses will be accepted in 2012, when the 2011 farm revenue data required by statute becomes available.

Farmers are encouraged to contact their local FSA office for details. The local FSA contact information is: 1318 S. Main Rd., Bldg. 5, Suite A, Vineland, NJ, 856-205-1225. For more information on FSA's disaster assistance programs, visit [www.fsa.usda.gov/FSA/webapp?area=home&subject=diap&topic=landing](http://www.fsa.usda.gov/FSA/webapp?area=home&subject=diap&topic=landing).

## Washing Pesticide Contaminated Clothing

The Vegetable & Small Fruit Gazette, Vol. 15, No. 4

Emelie Swackhamer, Penn State Extension

Farmers know how important it is to be careful when using pesticides. We all strive to use the least toxic, effective option, read the label and follow the directions, calibrate, measure carefully and wear the required personal protective equipment.

But after you finish making a pesticide application, it is also important to be careful with the clothing you were wearing. If you throw contaminated clothing in with the rest of the family's laundry, you risk exposing your family to that pesticide. Also, if you do not clean your clothing properly, you risk exposing yourself the next time you wear it.

Here is a list of tips that should help you be safe. You might want to clip this list out and hang it by your washing machine.

- Discard clothing if it becomes soaked with a highly toxic pesticide.
- Do not wear contaminated clothing or boots into the house to avoid bringing pesticide residue into your living space.
- Take protective clothing off inside out as you remove them to keep most of the pesticide inside, and away from the surface that will be handled by the person doing the laundry.
- Pre-rinse clothing and boots outside using a hose or a designated and marked washtub.
- Wash goggles, respirator (remove the charcoal filter first), gloves and boots in hot, soapy water after each use. Store clean protective equipment away from where pesticides are stored.
- Designate a separate hamper to identify contaminated clothing so the person who does the wash knows it needs special attention.
- Make sure the person who does the laundry knows what pesticide was used, and reads the label for any special instructions for cleaning.
- Keep unlined rubber gloves in the wash room to handle the pesticide-soiled clothing. Carefully wash the outside of the gloves after every use and only use them for this purpose.
- Launder pesticide contaminated clothing the same day to avoid having it sit around where family members could come into contact with it.
- Wash contaminated clothing separately from the rest of the family laundry.
- Use hot water.
- Use heavy-duty liquid detergent to remove oil-based pesticides. (Emulsifiable concentrates are oil-based.)
- Do not overfill the washing machine. Wash only a few garments at a time.
- Double rinse the load.
- Re-wash the contaminated clothing two or three times if necessary.
- Clean the machine after you wash the load by running one complete cycle on empty, using hot water and detergent.
- Line-dry the clothing to avoid contaminating the clothes dryer.

**EQUINE SCHOLARSHIP OFFERED TO 4-H AND FFA MEMBERS***New Jersey Equine Advisory Board Announces \$1,000 Scholarship*

Lynne Richmond, NJ Dept. of Agriculture

The New Jersey Equine Advisory Board has announced a \$1,000 scholarship to help 4-H and FFA members, as well as any young adult that is a member of a New Jersey Equine organization represented on the New Jersey Equine Advisory Board, pursue their equine activities.

The Sara Dubinin Scholarship, in memory of Sara Dubinin, who loved horses, will be presented at the New Jersey Bred Equine Breeder Awards Dinner on January 15, 2012 At Charley's Other Brother Restaurant in Eastampton.

Sara, a Sayreville resident, graduated from Cardinal McCarrick High School in South Amboy in 2006. The 19-year-old was attending Middlesex County College when she succumbed to injuries suffered in a motor vehicle accident in September of 2007.

Those interested in receiving the scholarship must submit an essay on, "How horses have affected my life and how horses figure into my future." Consideration of applications will be weighted upon the candidate's financial need.

The deadline to submit the essay is December 1, 2011. It can be submitted to Debra Moscatiello at (609) 984-4389 or [debra.moscatiello@ag.state.nj.us](mailto:debra.moscatiello@ag.state.nj.us).

**NJDA SEEKS MORE LARGE ANIMAL FACILITIES FOR EMERGENCY SHELTERS**

Lynne Richmond, NJ Dept. of Agriculture

As a result of Hurricane Irene, the New Jersey Department of Agriculture worked with county governments to make facilities available to those large livestock animal owners who needed to evacuate their farms or found themselves without power or water or access to their farms. While very few farm owners needed the use of these shelters in this most recent storm, the Department of Agriculture is seeking to ensure there are enough facilities available that are able to accommodate large animals in the event of future emergencies or disasters.

The Department is asking anyone with a facility that could serve as a large animal shelter to fill out the form at: [www.nj.gov/agriculture/divisions/ah/pdf/largeanimalfacilitysurvey.doc](http://www.nj.gov/agriculture/divisions/ah/pdf/largeanimalfacilitysurvey.doc).

When completing the form, please include two contact numbers that would be accessible 24/7 for each facility. When a facility is made available during evacuations, it is the responsibility of the animal owner to care for that animal, including bringing feed, hay, etc.

Please return the forms no later than November 1 to:

New Jersey Department of Agriculture  
Attn: Lynn Mathews  
P.O. Box 330, Trenton, NJ 08625

Or by e-mail at [debra.moscatiello@ag.state.nj.us](mailto:debra.moscatiello@ag.state.nj.us).

Once compiled, a list of facilities will be made available to county offices of emergency management so they can access those resources in time of need.

## Improve Fish & Wildlife Habitats

Barbara L. Phillips, US Department of Agriculture

NJ farmers and farm managers still have time to apply for funding to support projects on their agricultural land that will improve or develop fish and wildlife habitat. State Conservationist Donald J. Pettit has extended the sign up period for the 2012 Wildlife Habitat Incentive Program (WHIP) to 12/2011. "Through WHIP, USDA, Natural Resources Conservation Service (NRCS) can provide technical and financial assistance to establish and enhance habitat for priority species and habitat types, which will help keep NJ's environment healthy," Pettit said.

Priority habitats are grasslands, woodlands, wetlands, disturbance-dependent areas such as the Pine Barrens, pollinator habitats and bog turtle habitat. The NJ priority area is the Delaware Bay which includes Cape May, Cumberland and Salem counties.

To participate in WHIP, applicants must own land capable of being farmed or land suitable for wildlife habitat; or have an interest in an agricultural operation, including forestry, and own or have control of the land under consideration.

Other conservation programs administered by NRCS that are also open through December 30 for the 2012 funding cycle include the [Grasslands Reserve Program \(GRP\)](#), the [Wetlands Reserve Program \(WRP\)](#), and the [Agricultural Management Assistance Program \(AMA\)](#), and two components of the Environmental Quality Incentives Program (EQIP): [Conservation Activity Plans \(EQIP-CAP\)](#) and the [Forestry Initiative \(EQIP-Forestry\)](#).

To apply, visit NRCS at your [local USDA Service](#) center. More info about NRCS conservation programs is available online at <http://www.nj.nrcs.usda.gov/programs/>.

## Salem County Horse Tests Positive for Rabies

A 20+ year old gelding from Salem County has tested positive for rabies. The horse began showing signs of illness on 9/16/11 and had to be euthanized on 9/17. Laboratory testing confirmed rabies infection on 9/20. Several other horses at the premises where the positive horse was located have been placed under quarantine for either 45 days or 6 months based on epidemiologic evidence of risk of exposure.

Rabies is an acute viral encephalomyelitis that principally affects carnivores and bats, although it can affect any mammal. It is invariably fatal once clinical signs appear. Rabies is endemic in New Jersey, detected most often in bats, raccoons, foxes, skunks, and to a lesser extent domestic animals, including livestock. Rabies is caused by lyssaviruses in the Rhabdovirus family. Lyssaviruses are usually confined to 1 major reservoir species in a given geographic area, although spillover to other species is common. Transmission is almost always by introduction of virus-laden saliva into the tissues, usually by the bite of a rabid animal. Usually, saliva is infectious at the time that clinical signs occur, but it is possible for dogs and cats to shed virus for several days before onset of clinical signs. Viral shedding in skunks has been reported for up to 8 days prior to onset of signs. Therefore, precautions to prevent exposure to other animals are necessary. Suspect cases should be handled with care and isolated from other animals. Should it be necessary to euthanize a suspect animal or in case of death, the brain must be examined in order to confirm rabies infection.

Rabid animals of all species usually exhibit typical signs of central nervous system disturbance, with minor variations among species. Clinical signs of the virus usually begin subtly, with owners first noticing their animal "doesn't seem right" and/or the animal's lack of interest in food. As the illness progresses, nervous system impairment becomes more obvious. Affected animals may or may not show signs of aggression. If aggressive, the animal may try to bite. Livestock affected animals often develop the "dumb" form of the infection which consists of slight depression that progresses to a variety of neurological symptoms, including but not limited to walking in circles, eating non-edible items, "star gazing," or acting abnormally. The following symptoms may also be observed in a rabid animal: fever, loss of appetite, excessive irritability, unusual vocalization, and a change in behavior, restlessness, jumping at noises, trouble walking, excess salivation, tremors, convulsions, paralysis, stupor, or unprovoked aggression.

Vaccination of livestock and other domestic animals is recommended as it is the most effective strategy to prevent the disease. Veterinarians are reminded that a suspected or confirmed case of rabies in livestock is reportable to the State Veterinarian within 48 hours. Veterinarians aware of livestock exposed to suspect rabid animals (e.g., raccoons, skunks, foxes, bats, cats, etc.) should notify appropriate agencies at the time of exposure, instead of waiting for confirmation of tests.

For questions concerning rabies in livestock, or to report a suspect or confirmed case of rabies in livestock to the State Veterinarian, please call the Division of Animal Health at 609-292-3965. For questions concerning rabies in pets, please call the State Department of Health and Senior Services at 609-826-4872 or your local health department.

## **Business Management for Farmers: Developing a Strong Plan for 2012**

Have a business plan you'd like to get some help with from a professional? Need to re-examine your current plan? Join PASA with Joe Stratton to evaluate, learn from and adjust next season's plan on Friday, Nov. 18th at the Chester County Economic Development Council, Exton, Chester County. The following will be covered:

- Accounting and cash flow management
- Pricing
- Allocating profit and loss
- Employee issues and human resource concerns
- What does overall success versus financial success mean to me?

\$15 PASA members, \$25 all other, lunch included. Limited to 25 participants; pre-registration required. For additional information visit: [www.pasafarming.org/our-work/farmbasededucation/2011fielddays/business-management](http://www.pasafarming.org/our-work/farmbasededucation/2011fielddays/business-management).

## **Wildlife-Deer Disease**

NJ Farm Bureau Vol. XLVIII No. 36

State F & W Division staff has acknowledged the localized outbreak of the EHD disease in deer, which is a viral infection that can be fatal to the animal. EHD is spread by biting insects known as midges, which inhabit mud flats along waterways. To date, F & W is aware that EHD is present in the Millstone River and Passaic River watersheds. The disease is common in southern states, is known to be active in the months of August and September and dies off with the winter frost. It can be spread via tropical storms, so a further outbreak in New Jersey is possible. Anyone witnessing sick or dead deer found in water locations should call F&W immediately: Carole Stanko at 908-935-7040 or Bill Stansley at 908-236-2118.

## **SAVE THE DATE**

### **November 29, 2011: South Jersey Landscape Conference & Nursery Meeting**

This program packed one day meeting for commercial landscapers, nursery people, grounds maintenance, and turf management people will be held once again at Masso's Crystal Manor, Delsea Drive, Glassboro.

There will be 2 different sessions for technical training and one for business management. Pesticide Units for NJ Applicators will be offered. Other certification credits will be given.

Please contact Dominick Mondy of New Jersey National Landscape Association or Mary Cummings 856-307-6450, x1 for additional information. More details will be posted in the future in newsletters and the website: <http://gloucester.njaes.rutgers.edu>

## **eOrganic: On-line Resource for the Organic Community**

Elsa Sanchez, Penn State Horticulture

eOrganic is a website dedicated to providing relevant information for the organic community based on science, regulations and experience. The web address is <http://eorganic.info>. Funding for the site was provided by the United States Department of Agriculture's Integrated Organic Program.

The website contains articles, videos and upcoming and archived webinars on a vast variety of organic topics including crop and animal production, soil fertility, cover cropping, organic certification, pest management, current research and marketing. It also contains an ask-an-expert feature to address any information not found in the materials on the website.

Content for website materials is developed by organic specialists from all over the United States including people from universities and organic organizations, crop consultants and organic farmers. New content is added frequently. Subscribing to the eOrganic newsletter is a good way to keep up with new content. Information for subscribing to the newsletter is on the eOrganic home page.

## **Feral in the Fields: Food Safety Risks from Wildlife**

**Managing low probability, high consequence hazards**

**Michele Jay-Russell, Food Safety News**

Last month's [announcement](#) by the Oregon Health Authority confirmed that deer droppings were the source of E. coli O157:H7 contamination in strawberry fields linked to 15 human illnesses, including one death. These findings are not unprecedented because undercooked venison is a recognized vehicle of transmission for E. coli O157:H7. Indeed, the first outbreak of deer meat-associated E. coli O157:H7 was described in 1995 among Oregon residents.

Prior to the strawberry outbreak, free-roaming wild animals were investigated as a potential source of fresh produce contamination during several notable outbreaks. In 1996, deer intrusion into apple orchards in California with subsequent fecal contamination of dropped apples was identified as a possible contributing factor in a multi-state E. coli O157:H7 outbreak associated with unpasteurized apple juice.

In 2006, a nationwide outbreak of E. coli O157:H7 was traced to baby spinach grown on a single ranch in California, where a large population of feral pigs shared pasture with a grass-fed beef cattle herd; feces from cattle and feral pigs tested positive for the spinach outbreak strain. Two years later in Alaska, public health officials investigating a campylobacteriosis outbreak linked to raw peas found the outbreak strain in fecal material from a large population of sandhill cranes feeding in the pea fields.

These outbreaks illustrate the potential for wildlife to carry foodborne pathogens and cause illness through ingestion of contaminated fresh produce. However, how significant is this food safety risk?

### **Small Levels of Contamination May Represent Serious Risks**

Domestic cattle and other ruminants such as goats and sheep are considered the primary reservoirs of E. coli O157:H7, but the pathogen has been isolated from wild and feral animals. In general, researchers in different parts of the country have found low background levels of E. coli O157:H7 in deer and other wildlife species, although there are still many regional data gaps.

In comparison, Salmonella and Campylobacter carriage is more common, especially among wild bird populations including species that live commensally with humans (e.g., gulls, pigeons).

Due to the low infectious dose of E. coli O157:H7 and other foodborne pathogens, even a small level of contamination in the field may represent a serious human health risk, especially for vulnerable populations including the young, elderly, and persons with compromised immune systems.

For example, an initial contamination event in the field (e.g., animal droppings), may later amplify into a more serious problem as a result of downstream failures during processing, transport, handling, and storage of the raw product. A recently published modeling study predicted that even slight temperature abuse during handling and storage of spinach contaminated with a low level of E. coli O157:H7 in the field could have resulted in enough growth of the bacteria to explain the 2006 outbreak.

### **Balancing Food Safety and Environmental Stewardship Goals**

The produce industry and FDA have developed and implemented voluntary good agriculture practices (GAPs) to protect raw produce from contamination with foodborne pathogens. Good agriculture practice programs may be commodity specific (e.g., leafy greens, tomatoes, melons, etc.), and are designed to address all of the known potential sources of contamination at the farm and harvesting levels including water, farm workers, wildlife, domestic animals, and soil amendments (compost).

(continued on page 8)

Following the 2006 spinach outbreak, the leafy greens industry in [California](#) and [Arizona](#) created a Leafy Greens Marketing Agreement (LGMA). Approximately 99% of leafy-green handlers are members of the LGMA, which mandates government audits to ensure that farmers follow accepted food-safety practices for lettuce, spinach and other leafy greens. A series of detailed science-based metrics are used as guidelines for GAPs that must be followed by marketing agreement signatories.

The wildlife component of GAP programs generally involves conducting pre-season and pre-harvest environmental risk assessments, and monitoring for animal intrusion during growth and harvest. The crop is destroyed if it becomes contaminated with fecal material.

Some food safety practices have led to potential conflicts with conservation and water quality programs. For example, fencing to prevent deer or feral pig intrusions, and removal of water bodies near the crop fields to reduce wildlife attraction, are practices that have been cited as detrimental to environmental stewardship goals.

To address this challenge, the concept of co-management has emerged from the food safety, agriculture, and conservation communities. Co-management embraces the One Health Initiative by promoting mitigation of food safety risks while balancing environmental protection goals on America's farms.

This summer, the California Leafy Greens Marketing Association (LGMA) [announced](#) approval of the addition of co-management to their accepted food safety practices. Co-management is defined by the LGMA as "an approach to conserving soil, water, air, wildlife and other natural resources while simultaneously minimizing microbiological hazards associated with food production."

While protecting the public health must always remain the first priority in fresh produce production, the co-management approach represents a proactive and positive step forward in managing food safety risks from wildlife. The implementation of co-management is also an example of successful collaboration between agriculture, conservation groups, industry, public health, researchers, wildlife agencies, and landowners.

## What Consumers Can Do

Fresh fruits and vegetables are a nutritious and enjoyable part of a healthy diet. However, produce is usually grown outside, thus food safety practices should be from the farm to the table.

Consumers can take the following steps with their fresh produce to prevent foodborne illness:

- Purchase produce from a reputable source with appropriate permits and inspections
- At the supermarket, keep fruits and vegetables separate from meat, poultry, and fish to prevent cross-contamination
- Store fruits and vegetables in the refrigerator in a produce drawer separate from meat, poultry, or fish juices or drippings
- Thoroughly wash produce preparation areas in the kitchen with soapy water including the sink, cutting boards, and knives.
- Wash your hands with hot, soapy water for at least 20 seconds before and after handling fresh fruits and vegetables
- Always wash fresh fruits and vegetables under running water (do not use soap or chemicals) including those that come from a farmers' market, roadside stand, or your home garden

For more information, visit UC Davis Food Safety:

[http://ucfoodsafety.ucdavis.edu/UC\\_Publications/UC\\_Food\\_Safety\\_in\\_the\\_Kitchen\\_Publications/](http://ucfoodsafety.ucdavis.edu/UC_Publications/UC_Food_Safety_in_the_Kitchen_Publications/)

*Michele Jay-Russell, DVM, PhD is a researcher at the Western Institute for Food Safety and Security, University of California, Davis. Prior to joining the university, she worked as an epidemiologist with the California Department of Public Health.*

## **Calendar of Important Events**

📅 Indicates the newly added event since last calendar

### **October 2011**

#### **October 3-5**

**United Fresh Washington Public Policy Conference**, Hyatt Regency, Washington, DC. For more info visit: [www.unitedfresh.org](http://www.unitedfresh.org)

#### **October 14-17**

**Produce Marketing Association Fresh Summit International Convention and Exposition**, Atlanta, GA. For more info visit: [www.pma.com/freshsummit](http://www.pma.com/freshsummit)

#### 📅 **October 15**

**Putting Your Garden to Bed Field Study**, Somerset County Park Commission Horticulture Department, Perennial Garden, Colonial Park, Parking Lot F, Somerset, NJ. \$12.00 pp; limit 30 people. For more info call 732-873-2459 x21.

#### **October 16-19**

**ISHS International Symposium on High Tunnel Horticultural Crop Production**, State College, PA. For more info contact Mike Orzolek at 814-863-2251 or by email: [mdu1@psu.edu](mailto:mdu1@psu.edu)

#### 📅 **October 17**

**Soil Quality, Compaction, and Development**, RCE Cumberland County, 291 Morton Ave., Rosenhayn. 6:30-7:30 p.m. Class is free, call 856-769-0090 to pre-register.

#### **October 21-22**

**Fall Flower & Garden Fest**, Truck Crops Experiment Station, Crystal Springs, Miss. For more info contact Rick Snyder by email: [Rick.Snyder@msstate.edu](mailto:Rick.Snyder@msstate.edu) or visit [www.msucare.com/fallfest](http://www.msucare.com/fallfest)

#### 📅 **October 25**

**South Jersey Nursery Meeting**, Ideas that maximize returns and minimize impacts, RCE of Cumberland County, 291 Morton Ave., Millville (between Rosenhayn & Carmel). \$20 per person includes lunch; \$10 per person if no lunch. Pre-registration required by October 21st. Pesticide credits: 1 Core and 2-PP2, 1A, 3A and 10. For more info contact: Tammy Commander 856-451-2800 x1.

#### 📅 **October 27**

**Southern Pine Bark Beetle Class**, RCE of Cumberland County, 291 Morton Ave., Millville (between Rosenhayn & Carmel). Speaker: Mark Vodak. Free admission, call 856-451-2800 x4 to register.

#### 📅 **October 29**

**Backyard Composting Workshop**, Wheaton Arts, 1501 Glasstown Rd., Millville; 10-noon. \$10 workshop only; \$50 workshop + composting unit. For more info or to register call 856-451-2800 x4, must register by 10/4. Space/units are limited.

### **November 2011**

#### **November 1-4**

**Process Expo**, McCormick Place, Chicago. For more info visit: [www.myprocessexpo2011.com](http://www.myprocessexpo2011.com)

**November 6-8**

**Southeast Strawberry Expo**, Sheraton Imperial Hotel, Durham, N.C. For more info call 919-542-4037, email: [info@ncstrawberry.com](mailto:info@ncstrawberry.com) or visit: [www.ncstrawberry.com](http://www.ncstrawberry.com)

**November 7-8**

**2011 Cornell Agribusiness Strategic Marketing Conference**, Sponsored by the Agricultural Marketing and Management Program Work Team, Hyde Park, New York. For more info contact Todd Schmit 607-255-3015, email: [tms1@cornell.edu](mailto:tms1@cornell.edu) or visit: <http://marketingpwt.dyson.cornell.edu>

**November 14-16**

**Mississippi Fruit and Vegetable Growers Agritourism Conference & Trade Show**, Vicksburg Convention Center, Vicksburg, Miss. For more info call 601-955-9298, email: [info@msfruitandveg.com](mailto:info@msfruitandveg.com) or visit: [www.msfruitandveg.com](http://www.msfruitandveg.com)

**November 16-17**

**Pacific Northwest Vegetable Association Conference & Trade Show**, Three Rivers Convention Center, Kennewick, Wash. For more info call 509-585-5460 or visit: [www.pnva.org](http://www.pnva.org)

**November 23-25**

**35th International Carrot Conference**, Johannesburg, South Africa. For more info email: [info@carrotconference.co.za](mailto:info@carrotconference.co.za) or visit: [www.carrotconference.co.za](http://www.carrotconference.co.za)

**November 28-30**

**Southeast Vegetable & Fruit Expo**, Kingston Plantation Embassy Suites Resort, Myrtle Beach, S.C. For more info call Cathy Price 919-334-0099 or email: [cathyprice09@yahoo.com](mailto:cathyprice09@yahoo.com)

**December 2011****December 6-8**

**36th Annual NJ 2011 Green Expo Turf & Landscape Conference**, Taj Mahal, Atlantic City, NJ. For more info call the New Jersey Turfgrass Association at 973-812-6467 or visit: [www.njturfgrass.org](http://www.njturfgrass.org). Early registration pricing ends November 11, 2011.

**December 6-8**

**Great Lakes Fruit, Vegetable & Farm Market EXPO**, DeVos Place Convention Center, Grand Rapids, Mich. For more info visit: [www.glexpo.com](http://www.glexpo.com)

**December 13-15**

**New England Vegetable and Fruit Conference**, Radisson Hotel, Manchester, N.H. For more info contact Jon Clements 413-478-7219

**January 2012****January 4-6**

**Potato Expo 2012**, Loews Royal Pacific, Orlando, Fla. For more info visit: [www.potato-expo.com](http://www.potato-expo.com)

**January 5-6**

**Kentucky Fruit and Vegetable Conference**, Embassy Suites Hotel, Lexington, KY. For more info contact John Strang 859-257-5685 or email: [jstrang@uky.edu](mailto:jstrang@uky.edu)

**January 5-7**

**Great Plains Growers Conference**, St. Joseph, MO. For more info visit: [www.greatplainsgrowers.org](http://www.greatplainsgrowers.org)

**January 5-8**

**Southeast Regional Fruit & Vegetable Conference**, International Trade and Convention Center, Savannah, GA. For more info call 877-994-3842 or visit: [www.gfvga.org](http://www.gfvga.org)

**January 11-13**

**Illinois Specialty Crops, Agritourism and Organic Conference**, Crowne Plaza Hotel, Springfield, Ill. For more info contact Diane Handley at 309-557-2107 or email: [dhandley@ilfb.org](mailto:dhandley@ilfb.org)

**January 15-17**

**Wisconsin Fresh Fruit & Vegetable Conference**, Wisconsin Dells, Wis. For more info call 920-478-3852, email: [info@wisconsinfreshproduce.org](mailto:info@wisconsinfreshproduce.org) or visit: [www.wisconsinfreshproduce.org](http://www.wisconsinfreshproduce.org)

**January 16-18**

**Ohio Produce Growers & Marketers Association Congress**, Sandusky, Ohio. For more info call 614-487-1117, email: [opgma@ofa.org](mailto:opgma@ofa.org) or visit: [www.opgma.org](http://www.opgma.org)

**January 17-18**

**Vegetable Growers Association of New Jersey Convention**, Trump Taj Mahal, Atlantic City, NJ. For more info contact Rocco DiGerolamo, Jr. at 857-797-1686 or visit: [www.njveggies.org](http://www.njveggies.org)

**January 17-19**

**Indiana Horticultural Congress**, Wyndham West, Indianapolis. For more info contact Tammy Goodale at 765-494-1296, by email: [tgoodale@purdue.edu](mailto:tgoodale@purdue.edu) or visit: [www.inhortcongress.org](http://www.inhortcongress.org)

**January 18-19**

**New Jersey Ag Convention**, Trump Taj Mahal, Atlantic City, NJ. For more information contact the New Jersey Ag Association 609-292-8896.

**January 18-21**

**Southern Sustainable Agriculture Working Group 21st Annual Conference**, The Peabody Hotel, Little Rock, Ark. For more info email: [info@ssawg.org](mailto:info@ssawg.org) or visit: [www.ssawg.org](http://www.ssawg.org)

**January 19-20**

**Upper Midwest Regional Fruit & Vegetable Growers Conference**, St. Cloud, Minn. For more info call 763-434-0400 or email: [info@mfvga.org](mailto:info@mfvga.org)

**January 24-25**

**Ontario Processing Vegetable Industry Conference**, London, Ontario. For more info call 519-681-1875, email: [opvg@opvg.org](mailto:opvg@opvg.org) or visit: [www.opvg.org](http://www.opvg.org)

**January 24-26**

**Empire State Fruit & Vegetable Expo**, Oncenter Convention Center, Syracuse, NY. For more info contact Jeanette Marvin by email: [nysvga@twcnr.com](mailto:nysvga@twcnr.com)

**January 25-28**

**Tennessee Horticulture Expo**, Nashville, Tenn. For more info contact Jim Elam by email: [jim\\_elam@siegers.com](mailto:jim_elam@siegers.com) or visit: [www.tnthe.com](http://www.tnthe.com)

**January 27-28**

**Iowa Fruit & Vegetable Growers & Marketers Conference**, Ankeny, Iowa. For more info contact Christa Hartsook at 515-294-4430 or by email: [hartc@iastate.edu](mailto:hartc@iastate.edu)

**January 28-29**

**22nd Annual NOFA-NJ Winter Conference 2012**, Princeton University, Princeton, NJ. For more info contact NOFA at 908-371-1111, email: [nofainfo@nofanj.org](mailto:nofainfo@nofanj.org) or visit: [www.nofanj.org](http://www.nofanj.org)

**January 31-February 2**

**Mid-Atlantic Fruit and Vegetable Convention**, Hersey, PA. For more info contact William Troxell at 717-694-3596, by email: [pvga@pvga.org](mailto:pvga@pvga.org) or visit: [www.mafvc.org](http://www.mafvc.org)

**February 2012****February 6-8**

**North American Strawberry Growers Association Annual Conference**, Las Vegas. For more info contact Kevin Schooley at 613-258-4587, by email: [info@nasga.org](mailto:info@nasga.org) or visit: [www.nasga.org](http://www.nasga.org)

**February 10-17**

**27th Annual NAFDMA Convention**, Williamsburg, Va. For more info contact the North American Farmers' Direct Marketing Association at 413-529-0386 or visit: [www.nafdma.com](http://www.nafdma.com)

**February 23-25**

**MOSES Organic Farming Conference**, La Crosse, Wis. For more info contact the Midwest Organic and Sustainable Education Service at 715-778-5775 or visit: [www.mosesorganic.org](http://www.mosesorganic.org)

**March 2012****March 4-6**

**California Small Farm Conference**, Hyatt Regency, Valencia, Calif. For more info call 831-659-0436, email: [smallfarmconference@gmail.com](mailto:smallfarmconference@gmail.com) or visit: [www.californiafarmconference.com](http://www.californiafarmconference.com)

## REGULARLY SCHEDULED MEETINGS

✓ Indicates meeting will be held at RCE of Cumberland County

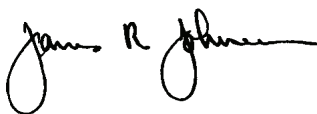
<p>✓</p> <p><b>Pesticide Certification Exam Schedule—Cumberland County</b> 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel)</p> <p><u>2011</u></p> <p>Oct 26      Nov 15      Dec 14</p> <p>To Register call 609-984-6614 For directions call 856-451-2800 *****</p>	<p>✓</p> <p><b>Cumberland County Agriculture Development Board</b> 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel)</p> <p><u>2011</u></p> <p>Oct 12      Nov 9      Dec 14</p> <p>Meetings start at 7 p.m. Call DeAnn at 856-453-2211 *****</p>	<p>✓</p> <p><b>Cumberland County Board Of Agriculture</b> 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel) 7 pm meetings</p> <p><u>2011</u></p> <p>Oct 20      Nov 17      Dec 15</p> <p>For info call Shirley Kline, President 856-685-3784 *****</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

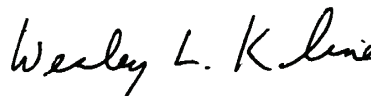
Oct 21

Nov 18

Sincerely,



James R. Johnson  
Agricultural Agent  
Nursery Management Commercial  
Internet: [jjohnson@njaes.rutgers.edu](mailto:jjohnson@njaes.rutgers.edu)



Wesley L. Kline, Ph.D.  
Agricultural Agent  
Vegetable & Herb Production  
Internet: [wkline@njaes.rutgers.edu](mailto: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.

## Pesticide Training Courses

All classes are held at the  
Office of Government Services Bldg., 1200 North Delsea Drive, Clayton, NJ 08312

### Basic Pesticide Applicator Training for Core Certification

Required Training for Taking the DEP Core Exam

**Cost: \$50.00**

*6 core recertification credits for certified applicators*

November 7, 2011 9am-Noon

February 6, 2012 9am-Noon

### Category 3A- Ornamental Pest Control Training for DEP Exams

Required training in lieu of 40 hours on-the-job-training.

**Cost \$100.00**

*12 recertification credits for certified applicators*

November 21, 2011 9:00 am-3:00 pm

February 7, 2012 9:00 am-3:00 pm

### Category 3B- Turf Pest Control Training for DEP Exams

Required training in lieu of 40 hours on-the-job-training.

**Cost \$100.00**

*12 recertification credits for certified applicators*

November 22, 2011 9:00 am-3:00 pm

February 9, 2012 9:00 am-3:00 pm

#### Registration Form

Register by mail, email or fax at least (3) days prior to course date

Desired Course Date(s): \_\_\_\_\_

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

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

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Please return this form with checks payable to: GCBA/RCE , 1200 N. Delsea Drive, Clayton, NJ 08312

Phone: 856-307-6450 #1 , fax 856-307-6476 or email : [cummings@njaes.rutgers.edu](mailto:cummings@njaes.rutgers.edu)

## Registration Form

### South Jersey Nursery Meeting Tuesday, October 25, 2011

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:

**Extension Service Programs Account**

Please cut off registration form and mail with payment to:

➡ Jim Johnson  
County 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

## South Jersey Nursery Meeting

*Ideas that maximize  
returns & minimize  
impacts*

Tuesday, October 25, 2011  
8:30 a.m. – 4:00 p.m.

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:  
Friday, October 21, 2011**

# Program Details

## Morning Session:

- 8:30 Registration
- 8:55 Welcome & Introductions  
Jim Johnson, Agricultural Agent
- 9:00 Sustainable Agricultural Management  
Practices for Nurseries  
Salvatore S. Mangiafico,  
Environmental and Resource  
Management Agent
- 9:30 Re-using water: Is it safe? Is it cost  
effective? Is now the time to do it?  
Dr. Chris Obropta, Rutgers Water  
Quality Specialist
- 10:00 Break
- 10:15 Farmworker safety: Changes and  
reminders in training, rules,  
regulations & common sense  
Dr. George Hamilton, Rutgers  
Pesticide/Pest Management  
Specialist
- 10:45 Insect pests: What to expect in the  
future, identification & control.  
Dr. Jim Lashomb, Rutgers  
Entomology Specialist
- 11:15 Growth media: Selection criteria to  
optimize growth of nursery crops  
Dr. Jason Grabosky, Rutgers  
Specialist in Ecology Evolution &  
Natural Resources
- 12:00 Lunch (downstairs)

*This meeting has been financially supported in  
part by the New Jersey Nursery and Landscape  
Association.*



## Afternoon Session:

- 1:00 Structured soils: What are they? Why use  
them? Should the industry adopt them?  
Dr. Jason Grabosky,
- 1:30 Plant breeding: New ideas result in new  
plant introductions with disease  
resistance built in  
Dr. Tom Molnar, Assistant Professor,  
Department of Plant Biology &  
Pathology
- 2:00 Building a better mouse trap: Pest control  
ideas from down-under through  
marketing miracles  
Jim Johnson, Agricultural Agent:  
Nursery Crops
- 2:30 Crop Insurance Update  
Kelly Steimle, Program Assistant, Risk  
Management Program
- 2:35 Break
- 2:45 IPM: Insect&Mite Pest Threshold  
Guidelines  
Steve Rettke, Rutgers IPM Program  
Associate
- 3:15 Stakeholder input: You help us figure out  
how to make the Rutgers Cooperative  
Extension nursery management  
program more effective.
- 3:45 Pesticide recertification credits: 1 Core, 2  
for category 10, 1A and 3A; 6 for PP2  
and 1 for category 13 and 1B
- 4:00 Adjourn

*Registrations are confirmed when forms and  
payments are received by Cumberland County RCE.  
No confirmation notice will be sent. Registration and  
refund deadline:  
Friday, October 21, 2011.*

**Register by Friday, October 21, 2011**

NEW JERSEY AGRIBUSINESS ASSOCIATION

PO Box 6000, Mount Holly, NJ 08060

Keeping You Informed About Agricultural Business in The Garden State

September 20, 2011

Dear Collegiate Education Supporter,

I am writing to you to let you know about scholarships offered by the New Jersey Agribusiness Association. Our association is planning to award two \$1500.00 scholarships to eligible and qualified students. These scholarships will be awarded on December 1st, to deserving students from New Jersey who meet the eligibility requirements listed on the scholarship application. This award is intended to be an annual event. Therefore, please keep this information on hand and if you don't see an application next year, call or write us to see the status of the award for 2012

For this year, please distribute copies of the application to students who you feel would be eligible. Please note the due date of November 21, 2011

We look forward to seeing applications from your students.

Sincerely,

Richard Grant  
Scholarship Chairman  
NJAA

Enclosure

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NEW JERSEY AGRIBUSINESS ASSOCIATION

## 2011 Annual Edward A. Platz Memorial Scholarship

**2 Awards of \$1500.00 each** are to be awarded at the New Jersey Agribusiness Association Annual Meeting., to be held December 1st. Recipients are encouraged to receive award in person at the meeting to be held in Burlington County, however, this is not a considering factor for the award

**Eligibility:** The candidate must be enrolled at and in the academic rank of **sophomore, junior or senior** at any accredited 4 year college or university in the United States when receiving the scholarship. The candidate must be a New Jersey resident majoring in an agricultural subject area (ie. Plant Science, Animal Science, Agronomy, Entomology, etc.) or related field. The candidate must also intend to pursue a career in production agriculture.

**Procedures and Deadlines:** The applicant must complete and submit the following:

- 1) Application form below
- 2) An official copy of transcripts from all colleges attended
- 3) One letter of recommendation (academic or non-academic)
- 4) A 1-2 page essay (typed) stating current goals for education and career

All of the information must be received by Monday, November 21, 2011. Letters of recommendation are to be sent by person writing the recommendation directly to the Scholarship Chairman. Do not send letters of recommendation with the application, transcripts, and essay.

### APPLICATION:

Name:\_\_\_\_\_ Academic year (circle): Sophomore Junior Senior

Major:\_\_\_\_\_

Address:\_\_\_\_\_ Town:\_\_\_\_\_ State:\_\_\_\_\_ Zip:\_\_\_\_\_

Telephone (home):\_\_\_\_\_ (school):\_\_\_\_\_

High School Attended:\_\_\_\_\_ Town:\_\_\_\_\_ State:\_\_\_\_\_

Colleges Attended:\_\_\_\_\_

List of Extracurricular Activities/Clubs:\_\_\_\_\_

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### Anticipated Academic Expenses for Current Year:

Tuition:\_\_\_\_\_ Room/Board:\_\_\_\_\_ Books:\_\_\_\_\_ Other:\_\_\_\_\_

**Essay describing current goals for education and career (attach on separate piece of paper).**

**Mail application, transcripts, and essay to:** Richard Grant, Scholarship Chairman  
New Jersey Agribusiness Association  
P.O. Box 94  
Richwood, NJ 08074

Have persons writing letters of recommendation send the letters directly to the above address.

All information must be received by **Monday, November 21, 2011** for the candidate to be eligible.

Have you visited the Cumberland County website for the  
Present and/or past issues of “Cultivating Cumberland”? It’s a great  
resource for information.....

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

#### Public Notification and Non-discrimination Statement

Rutgers New Jersey Agricultural Experiment Station Cooperative Extension educational programs are offered to all without regard to race, religion, color, national origin, ancestry, age, sex, sexual orientation, gender identity and expression, disability, atypical hereditary cellular or blood trait, marital status, civil union status, domestic partnership status, military service, veteran status, and any other category protected by law. Rutgers Cooperative Extension encourages individuals with disabilities to participate in its programs and activities. If you need special accommodations, have questions about physical access, or require alternate means for program information, please contact your local Extension Office. Contact the State Extension Director's Office if you have concerns related to discrimination, 732-932-5000, ext. 584.

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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