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January-2011 VOL. 16, ISSUE 1

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Attachments: Pesticide Credit Classes Reg. Form Pepper & Tomato Hot Water Seed Treatment and Vegetable Crop Update Workshops

Food Safety Modernization Act passes the Congress Senate Bill S510

The bill passed the Congress before Christmas and the President will sign it after the New Year. Last month I discussed how it would affect New Jersey growers. Any grower who meets the following would be exempt:

- (1) averaged less than \$500,000/yr over three years;
- (2) the majority of sales were directly to consumers, restaurants or grocery stores (not through a middle man) and
- (3) were produced in the state or within 275 miles of the farm.

This means most wholesale growers in the state would not be exempt. Retail growers who go to tailgate markets, green markets or have their own roadside stand may not need to comply unless they averaged over \$500,000.

Even if the farm were considered exempt, it would need to comply with one of the following:

- (1) Need to demonstrate "document" that potential hazards were identified and preventive measures determined.
- (2) Need to demonstrate "document" to the Food and Drug Administration (FDA) that the farm complies with all state and local food safety laws.

The grower would need to have the name and address of the farm on all packages or at the point of purchase prominently and conspicuously displayed (label, poster, sign placard or documents with delivered product or if internet sales as an electronic notice). These same exemptions apply to a "small or very small" processing facility.

The FDA in coordination with the Secretary of Agriculture (USDA) and in consultation with Secretary of Homeland Security have one year to publish proposed rulemaking to establish science-based minimum standards for safe production and harvesting of fruits and vegetables with the greatest concern. There will be a comment period and at least three public hearings on the proposed rules. Then FDA will need to take all these comments and review them before publishing the final rules. This whole process will take at least 18 months.

FDA has 180 days to publish a guidance document in "plain language" to help small entities in how to comply with the regulations once they are finalized. During this process, FDA and USDA will be carrying out a study on the impact on small businesses and to better define what is a small business.

CONT. NEXT PAGE

Cont. from page 1 (Food Safety Modernization Act)

Even when these rules go into effect buyers still can require additional audits or areas that they want audited. There are efforts to harmonize audits to reduce costs which I will discuss about next month.

The bottom line is this law will impact all growers and middlemen in New Jersey at some level. As the new regulations are proposed, we will try to keep you informed. Growers and grower organizations must be involved in this whole process. When there is a comment period write a letter (they can be anonymous) or attend a public hearing.

Center for Produce Safety

15 Key Produce Safety Research Learnings

These were reported at the June, 2010 research symposium at the University of California. For details on individual projects and more information about CPS go to the bottom of this article.

- **1. Pathogens do not survive well in the production environment.** Attenuated E. coli O157:H7 applied by a spray so it simulates what might happen if an overhead irrigation water source were contaminated with the pathogen, does not survive well on the leaf surfaces of either spinach or lettuce. The pathogen dies off quickly and is very hard to detect after 2 days
- **2. Pathogens are not taken up through the roots of a plant**. Attenuated E. coli O157:H7 delivered to the roots of growing spinach plants via drip irrigation does not traverse the root and get taken up by the plant under agricultural production conditions.
- **3. Pathogens do not seem to move through the soil**. Attenuated E. coli O157:H7 inoculated into the soil or sprayed on top of the soil did not survive past seven days and was not shown to move from the inoculation site.
- **4. Pathogens may survive for longer periods when associated with organic matter.** Spinach inoculated with E. coli O157:H7 and turned under the ground was recoverable from the soil for 100 days. The cultivation practices used were not typical of current production practices so this work will be repeated in 2010 using accepted production practices for preparing fields for replanting.
- **5.** A technology to permit storage of pathogen DNA can aid investigations. FTE filter papers can be used to storeNA from bacteria for up to 10 months at room temperature. Often the limiting step in taking samples to investigate a potential contamination event is the number of samples that can be processed and analyzed. By storing sample extracts on filter papers, hundreds of samples can be taken and then assayed at a future time as analytical capacity becomes available.
- **6. A "perfect storm" can result in pathogen growth.** Moisture, temperature and perhaps other environmental factors can create conditions where pathogens, if present, can survive. Experiments show that under production conditions in 2009, a rainfall event followed by warm temperatures created a situation where multiple genetic variants of E. coli O157:H7 were recovered in both raw lettuce and finished products.
- **7. LGMA "buffers" appear to work.** Rapid response experiments funded by CPS show that following a field intrusion by feral pigs, elevated levels of generic E. coli were found where the pigs obviously contacted the crop, but not beyond the 10 foot buffer zone prescribed by the LGMA metrics.

- **8. Larger sample sizes increase the chance of finding pathogens.** Typical commercial product sampling procedures use 25-gram samples to test for pathogens. Data was presented that shows increasing the sample size to 150-grams increases the chance of detecting low level contaminations.
- **9. Non-pathogenic bacteria may be used to identify conditions that permit pathogen survival.** Preliminary characterization all bacterial populations that exist on the surface of leaf vegetables change by location and season. Some bacteria may be used to indicate the conditions are supportive of pathogen survival while others have been shown to be antagonists of pathogen survival. In a risk-based testing system, these non-pathogen bacteria could be used in conjunction with other measurements as "indicators" to identify when there may be an elevated risk of pathogen contamination or survival.
- **10. Filth flies may be a potential vector for E. coli O157:H7.** Flies have the capacity to transmit E. coli O157:H7 to the surface of vegetables under laboratory conditions. A very low prevalence of flies captured near vegetable production fields test positive for E. coli O157:H7. It is not known if this risk factor is significant and more testing needs to be done.
- 11. Simple modifications to lettuce coring knives can significantly reduce the risk of pathogen contamination. Though reliant on the unlikely event of a coring knife coming into contact with an unnaturally high concentration of pathogens in the field, transfer of pathogens to cut surfaces has been demonstrated previously. By extending the common coring tool away from the cutting blade the chance of cross contamination is greatly reduced. Further, by polishing joint welds the tools are much easier to sanitize thereby further reducing cross contamination frequencies.
- 12. Modifications to existing molecular methods may permit rapid, inexpensive and more sensitive assays for Salmonella. LAMP technology has been shown to have the potential to provide a quantitative assay of Salmonella that is 10 times more sensitive than PCR. The use of an intercalating agent permits the assay to distinguish between live and dead cells. Additional experiments are required to demonstrate selectivity in complex produce chemical environments.
- **13. Preliminary data suggest that sheep can be carriers of Salmonella.** Bands of sheep sampled for Salmonella were shown to be carriers. In these experiments no bands were found to carry E. coli O157:H7. Further experimentation is required to determine if sheep grazing in vegetable production environments actually represent a significant contamination risk.
- **14. Improper composting can result in pathogen survival.** Moisture, "heat-up times," temperature, turns and other factors significantly affect the ability of pathogens in compost to survive the process. Further, if a validated process is not followed pathogens develop heat tolerances and obtain a higher level of survivability.
- **15.Bacteriophages may be a useful tool to improve the sensitivity of assaying finished compost for pathogens.** It has been difficult to develop reliable tests for pathogens in complex organic backgrounds like compost where many non-pathogenic species are also present. Using bacteriophages to kill competing species can improve pathogen recovery and PCR sensitivity.

The Center for Produce Safety is focused exclusively on providing the produce industry and government with open access to the actionable information needed to continually enhance the safety of produce. Established by public and private partnership at the University of California, Davis, CPS funds original research; has created a searchable database of global produce safety research; and is developing industry training and outreach programs. Initial funding for CPS was provided by the California Department of Food and Agriculture, the University of California, Produce Marketing Association and Taylor Farms. For more information, visit http://cps.ucdavis.edu







Regional Women in Agriculture Conference

January 25 -26, 2011 Dover Downs Casino and Hotel, Dover, Delaware Featured Speakers

Virginia Morton, Tallman Family Farms

Virginia is a managing partner of Tallman Family Farms, LLC, also known as Tallman Potatoes, in Tower City, PA. The operation consists of a 1000+ acre potato and grain farm, and a potato packaging and distribution operation serving the Eastern US with tablestock potatoes. Virginia, one of eight siblings, was born and raised on the potato farm in Tower City. Along with four of her brother, George, Bill, Joseph and Richard, she continues to operate the original farming operation begun by her parents, George and Christine Tallman, in 1946.

Susie O., Speaker and Humorist

Susie Oberdahlhoff is a city-born preacher's kid turned farm-wife and mother. She entertains audiences across the country with her wit and wisdom. Her unique perspective and gift of storytelling causes people to laugh at life and learn at the same time. Weaved throughout her stories, Susie incorporates her 4 P's of Prosperity and reminds audiences of the importance of learning to bounce through life's twists and turns. Susie lives on a working farm along with her husband Richard. They raise, hogs, cattle and hay on their acreage located in the rural area near Bowling Green, Missouri. They are parents of two children and have two grandchildren.

Nancy Maxwell

Nancy is a second-year PhD student in Entomology at North Carolina State University. She is studying the management of insect pests in agricultural production systems. Nancy's interest in agriculture began when she worked at a local farm market in her home town in New Jersey throughout high school and for several years prior to graduate school. Nancy now lives in North Carolina with her husband and two young children. She would like to fulfill her lifelong dream of owning a farm someday, but in the meantime, is content with researching solutions for growers and advocating the role of full-time career women (and mother) in agriculture.

A variety of education workshops will be offered throughout the conference, for example:

Biological Controls for Greenhouses Alternative Crops Egg Grading/Candling

Grain Marketing Entrepreneurial Coaching Farmers' Market Panel

Equine Feed Costs & Pasture Management Strong Women/Healthy Hearts

Farm to Chef: Buy from your Neighbor

For more information, please call:

Laurie Wolinski at 302-831-2538 or e-mail: Lgw@udel.edu

Or visit the Women in Agriculture website: http://ag.udel.edu/extension/kent/womeninag.htm

Current Grassland Reserve Program Sign Up Runs Through January 28

Contact: Barbara Phillips, Public Affairs Specialist 732-537-6044 or barbara.phillips@nj.usda.gov

Applications for the Grassland Reserve Program in New Jersey are being accepted by the Farm Service Agency until January 28, 2011. Interested owners or managers of privately owned grasslands, including active or abandoned pasture, wildlife land, or hay land can apply for a rental contract of 10-, 15- or 20-years, or a permanent conservation easement.

In addition to an easement payment or annual rental payment, enrolled lands are also eligible for cost-share for conservation practices that enhance the grassland value. Practices such as Pasture and Hayland Planting, Brush Management, Prescribed Grazing, Fencing for new rotational grazing systems, Animal Walkways for access to pastures, Watering Facilities for livestock and Pipeline to support a watering facility can be reimbursed at 50% of the average cost of the practice.

The Grassland Reserve Program (GRP) is a voluntary program jointly managed by USDA's Natural Resources Conservation Service (NRCS) and Farm Service Agency (FSA). The program purpose is to assist owners and operators of private land in protecting grazing uses and the related grassland values such as grassland-dependent plants and animals, soil erosion control, and air or water quality protection. More information about the Grassland Reserve Program is available at www.fsa.usda.gov/FSA/webapp?area=home&subject=copr&topic=grp.

NJ Department of Environmental Protection Recertification Class

WHAT: Commercial Applicator Training

DATE: Wednesday, March 2, 2011

TIME: 8:30 a.m. 12:45 p.m.

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PLACE: RCE of Cumberland County

291 Morton Avenue, Millville

(between Rosenhayn & Carmel)

INSTRUCTOR: Wayne Knerr, Helena Chemical Co.

CREDITS: 6 CORE

For questions or to pre-register, call Tammy at 451-2800 ext.1.

US SECRETARY OF AGRICULTURE DECLARES NATURAL DISASTER

Contact: Lynne Richmond, US Dept. of Agriculture (609) 633-2954

United States Secretary of Agriculture, Thomas Vilsack, has designated 16 New Jersey counties as natural disaster areas to assist farmers who suffered losses due to excessive heat and drought during the 2010 growing season.

Farmers in the Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Salem, Somerset, Sussex and Warren counties may now access federal assistance programs for damages to their crops from the severe weather.

"We are grateful for the relief being offered by Secretary Vilsack and for the swift action by Governor Christie to help bring about the disaster declaration," said New Jersey Secretary of Agriculture Douglas H. Fisher. "Our farmers faced many challenges during this growing season, and we all admire their perseverance and true grit they displayed under these harsh growing conditions."

The designation includes the contiguous disaster counties of Essex, Passaic and Union. The disaster declaration covers farm losses incurred from June 1 through September 30.

"The excessive heat and lack of rain impacted many crops, including corn and hay," said Paul Hlubik, Executive Director of USDA's Farm Service Agency in New Jersey. "The disaster declaration 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. We thank Secretary Vilsack, Governor Christie, Secretary Fisher and the State Board of Agriculture for making the designation possible."

In September, Secretary Vilsack declared a natural disaster for Atlantic, Burlington, Camden, Cape May, Cumberland and Ocean Counties and the contiguous counties of Gloucester, Mercer Monmouth and Salem who were impacted by winds, frost, freeze, hail and flooding from May 7 to May 31.

A natural disaster designation makes farm operators in both primary and contiguous counties 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 2010 crop losses will be accepted in the coming months, when the 2010 farm revenue data required by statue becomes available.

Farmers are encouraged to contact their local FSA office for details. To find a local office, visit http://offices.sc.egov.usda.gov/locator/app?state=nj&agency=fsa. For more information on FSA's disaster assistance programs, visit www.fsa.usda.gov/FSA/webapp?area=home&subject=diap&topic=landing.

THANK YOU

I have had the privilege of working with many hard-working, talented and caring individuals in the county, state and across the nation. Our agricultural community and my Cumberland Extension co-workers, both past and present, enriched my life greatly. Extension has been my extended family and my "home" away from home. We have shared the joys and sorrows in each other's lives.

Working in agriculture, I never dreaded coming to work. The three ag agents with whom I worked, Jack Rabin, Jim Johnson and Wes Kline provided daily educational opportunities, challenges and fun. The ag department always worked as a team, even when we did not agree with the reason behind a project or program. There was a mutual respect for each other's ideas and concerns. I have been fortunate to receive the same level of respect from those outside our office. I am grateful to have worked with dedicated agricultural clientele, bosses and co-workers. Thank you for your cooperation, support and friendship over the years. Cumberland County ag has benefited greatly from the relationships and connections we formed.

As of January 1, 2011, Tammy Commander will be the one and only agricultural secretary in the Cumberland office. Working for Jim and Wes and with Viola Carson, she will be extremely busy juggling and adjusting the duties of two full-time secretaries into one. I ask that you allow her the time and flexibility to cultivate the relationships and connections she will need to make her job "less intense." It is next to impossible to pass on all the data I gathered over four decades. There are many things I learned and handled automatically that Tammy will learn as they surface. Please welcome her with the same spirit of cooperation and support that you have provided to me.

A special thank you to those who came to the "Retirement Open House," sent a card, a gift, made a special trip to the office or called to wish me well. I have been blessed to have a career that I truly enjoyed. May you have a healthy and prosperous New Year.

Helen Elwell

Supplement Revenue Assistance Program

Sign-up Opens January 10, 2011

USDA Farm Service Agency County Executive Director, Angela J. Andreoli, announced the sign-up period for the 2009 crop year Supplemental Revenue Assistance Payments (SURE) program begins on January 10, 2011. SURE is one of five disaster programs USDA Farm Service Agency offers that provides assistance to farmers and ranchers who have suffered losses due to natural disasters.

"This program provides a tremendous amount of assistance to producers who have suffered from natural disasters, and is part of the 'safety net' designed to assist farmers and ranchers who feed America and the world," Andreoli said. "USDA encourages producers who suffered losses during the 2009 crop year to visit their local FSA office to learn more about the SURE program."

To be eligible for SURE a farm must have:

- At least 10% production loss on a crop of economic significance;
- A policy or plan of insurance under the Federal Crop Insurance Act or the Noninsured Crop Disaster Assistance Program (NAP) for all economically significant crops;
- Been physically located in a county that was declared a primary disaster county or contiguous county by the Agriculture Secretary under a Secretarial Disaster Designation. Without a Secretarial Disaster Designation, individual producers may be eligible if the actual production on the farm is less than 50% of the normal production on the farm due to a natural disaster.

Producers considered socially disadvantaged, a beginning farmer or rancher, or a limited resource farmer may be eligible for SURE without a policy or plan of insurance or NAP coverage.

For more information on the 2009 SURE program visit any FSA county office or visit: http://www.fsa.usda.gov/sure

Making Your Compost/Mulch Product Work for You Compost/Mulch Marketing Workshop

Friday, January 28, 2011

Whether selling compost or mulch is your primary business or a side business, this workshop is for you! The workshop will provide marketing insights and sales techniques, including technical information on compost applications and benefits, feedstocks, quality standards, and marketing principles. Learn tips on developing a marketing plan for your compost/mulch operation, how to position your product, the ins-and-outs of compost market segments, bulk sales vs. bagged, distribution strategies, and making money on tipping fees. Sales strategies will also be covered, including sales points, using social media and new media techniques, branding, and customer education tips.

Registration is \$20; \$10 for NOFA NJ Conference registrants. Registration is limited...so register early! Register online at Northeast Organic Farming Association of New Jersey (http://nofanj.org/wc_preconference.htm).

When: Friday, January 28, 2011 from 9:30 am – 4:00 pm

Where: Coach Barn Garage

Duke FarmsHillsborough, NJ

Presenters: Michael L. Westendorf, Ph.D., PAS

Extension Specialist in Animal Sciences

Rutgers University

http://animalsciences.rutgers.edu/

Loren S. Muldowney, M.S.

Staff Scientist Rutgers/NJAES Soil (and compost!!) Testing Lab

http://njaes.rutgers.edu/soiltestinglab/

Erich V. Bremer Supervisor, Organic Certification Program New Jersey Department of Agriculture Division of Marketing and Development

www.state.nj.us/agriculture/divisions/md/prog/jerseyorganic.html

Sponsors: Northeast Recycling Council, Inc.,

Northeast Organic Farming Association of NJ

New Jersey Department of Environmental Protection

For more information, contact Athena Lee Bradley at 802.254.3636 or by email at athena@nerc.org. Funding for the workshop is from the Northeast SARE (Sustainable Agriculture, Research, and Education).

Assistance Available for New Jersey Organic Farmers

USDA will offer funding to help organic producers and those transitioning to organic production implement resource conservation practices on their agricultural operations again this year. State Conservationist Tom Drewes announced that USDA, Natural Resources Conservation Service has allocated up to \$284,000 to support the Organic Initiative of the Environmental Quality Incentives Program (EQIP) in New Jersey. "Last year we were able to utilize \$263,000 in New Jersey through the Organic Initiative to help producers implement conservation practices, like planting cover crops, establishing integrated pest management plans, or implementing nutrient management systems consistent with organic certification standards," Drewes said. "We are pleased to be able to offer this support to our organic growers again this year."

Agriculture Deputy Secretary Kathleen Merrigan announced the program nationally on Monday. "Increasing consumer demand for organically grown foods is providing new opportunities for small and mid-size farmers to prosper and stay competitive in today's economy," Merrigan said. "The 2008 Farm Bill calls for this assistance, and we want to help these farmers protect the natural resources on their land and create conditions that help foster organic production." In FY 2010, NRCS obligated nearly \$24 million through the Organic Initiative to help producers throughout the United States.

Fiscal year (FY) 2011 marks the third year of USDA's Organic Initiative, and up to \$50 million is available this year for producers to plan and implement conservation practices that address natural resource concerns in ways that are consistent with organic production.

Eligible producers include those certified through USDA's <u>National Organic Program</u>, those transitioning to certified organic production, and those who meet organic standards but are exempt from certification because their gross annual organic sales are less than \$5,000. In FY 2010, NRCS obligated nearly \$24 million across the country through the Organic Initiative.

The Environmental Quality Incentives Program (EQIP) is a voluntary conservation program administered by USDA's Natural Resources Conservation Service (NRCS) that promotes agricultural production and environmental quality as compatible national goals. The 2008 Farm Bill EQIP provided for assistance specifically for organic farm operations and those converting to organic production.

Under Organic Initiative contracts, producers are paid 75 percent of the cost for the organic conservation measures they implement. Beginning, limited resource, and socially disadvantaged producers are paid 90 percent. The program provides up to \$20,000 per year per person or legal entity, with a maximum total of \$80,000 over six years.

New Jersey farmers and farm managers can apply for these funds through the at their local NRCS office. Office locations are online at http://www.nj.nrcs.usda.gov/contact/. (Cumberland, Atlantic & Cape May Counties Office is located at 1318 S. Main Road, Vineland. Phone: 856-205-1225; fax: 856-205-0691) Applications are accepted on a continuous basis, with the cutoff date set for **March 4, 2011**.

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Calendar of Important Events

January 2011

⅓January 4

Plant Pathology, RCE of Cumberland County, 291 Morton Ave., Millville, NJ, 9-12. \$20 per person. Pesticide Credits: 6 Credits for 3A and PP2. For info or to register call Viola Carson 856-451-2800 x4.

January 5-7

Mid-Atlantic Nursery and Trade Show, Baltimore Conv. Ctr., 1 W. Pratt St., Baltimore, MD. For info visit www.mants.com

January 10

Organic Turfgrass Management, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-4:00; \$195 by 12/27; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

January 11

Pest Management of Ornamental Landscape Plants, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-3:30; \$195 by 12/28; \$225 after. Approved Pesticide credits: 2 Core, 8 in Cat. 2, 3A, 6B, 8C and PP2. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

January 11-13

Atlantic Coast Agricultural Convention & Trade Show, Trump Taj Mahal, Atlantic City, NJ. For info contact Rocco D. DiGerolamo, Jr. 856-797-1686 or visit: www.njveggies.org

January 12-13

Landscape Lighting, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-3:30 (Day 1); 9:00-12:00 (Day 2); \$395 by 12/21; \$445 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

January 13

Managing Diseases of Ornamental Landscape Plants, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ 9-4; \$195 by 12/30; \$225 after. Pesticide Credits: 10 credits in Cat. 2, 3A, 6B, 8C and PP2.

January 13-14

Mississippi Fruit and Veg. Growers Conf. and Trade Show, Natchez, Miss. For info call 662-325-2701 or email: info@msfruitandveg.com

January 14

Sales and Marketing for the Landscape Contractor, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$195 by 12/21; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

January 17-19

Ohio Produce Growers & Marketers Association Congress, Kalahari Resort and Convention Center, Sandusky, Ohio. For info contact Michelle Gaston 614-487-1117 or email: mgaston@ofa.org

January 18-20

Indiana Horticultural Congress, Wyndham West, Indianapolis. For info contact Tammy Goodale 765-494-1296 or email: tgoodale@purdue.edu

January 18-20

Integrated Pest Management (IPM), NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ, 9-4; \$395 by 1/4; \$445 after or \$195 (single day January 18th); Pesticide Credits: 3-Core; 8 in Cat. 2, 3A, 6B, 8C and PP2. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

January 19-20

2011 Practical Tools and Solutions for Sustaining Family Farms Conference, Chattanooga Convention Center, Chattanooga, Tennessee. To pre-register visit: http://ssawgconference.org/ Pre-registrations only accepted through January 6.

January 20-21

Upper Midwest Regional Fruit & Vegetable Growers Conference, St. Cloud Civic Center, St Cloud, Minn. For info contact Marilyn Johnson, 763-434-0400 or email: mfvga@msn.com

January 21

Pesticide Safety for the Landscape Contractor, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 8:30-3:45; \$195 by 1/7; \$225 after. Pesticide credits: 8 Core. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu.

January 21-23

NOFA-NY Winter Conf. 2011: Diggin' Diversity, Saratoga Hilton and City Center, Saratoga Springs. For info visit: www.nofany.org/tradeshow

January 24

Common Sense Business and Pricing Strategies for the Landscape Contractor, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-4; \$195 by 1/10; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

January 25

Burlington County Master Gardener Training, Weed Identification, RCE of Burlington County, 2 Academy Drive, Westampton, NJ. Approved pesticide credits: 1A-6 credits; PP2-6 credits. For info call 609-265-5050.

January 25-26

Ontario Processing Vegetable Industry Conference, Hilton Hotel & London Convention Centre, London, Ontario. For more info call 519-681-1875, email: opvg@opvg.org or visit: www.opvg.org

January 25-26

Overcoming Tough Sites: Plant and Design Solutions, NJAES Cont. Ed., Class at the 2011 NJ Plants Show, NJ Conv. Ctr., Edison, NJ. Class registration includes complimentary admission to the event. 9-3 (Day 1); 9-12 (Day2); \$195 by 1/11; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

January 25-26

NJ Plants Nursery, Landscape & Garden Center Trade Show, New Jersey Convention Center, Edison, NJ. For info call 1-800-332-3976 or visit: www.NJPlantShow.com

January 25-27

Empire State Fruit & Vegetable Expo, Oncenter Convention Center, Syracuse, N.Y. For info contact Jeff and Lindy Kubecka 315-687-5734 or email: nysvga@twcny.rr.com

January 25-27

Washington-Oregon Potato Conference, Three Rivers Convention Center, 7016 W. Grandridge Blvd., Kennewick, Washington. For more info email: info@potatoconference.com or visit: www.potatoconference.com

January 26

Park Management and Liability Issues, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-3:30; \$195 by 1/12; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rtugers.edu

January 26

Integrated Pest Management, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ, 8:45 am-12 noon. \$20, Pesticide credits: 6-CORE. For info contact Mary Cummings 856-307-6450 x1

January 27

Burlington County Master Gardener Training, Entomology, RCE of Burlington County, NJ, 2 Academy Dr., Westampton, NJ. Pesticide credits: 3 credits each: 1A, 7A & PP2. For info call 609-265-5050.

January 27, Feb. 3, 17 and 24

Irrigation Systems: Design and Installation, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ, 9:00-4:00; \$695 by 1/13; \$745 after. For info call 7320-932-9271 or email: ocpe@njaes.rutgers.edu

January 28-29

lowa Fruit & Vegetable Growers & Marketers Conference, Des Moines, Iowa. For info contact Dal Grooms 515-669-7177 or email: Dal.Grooms@gmail.com

January 29-30

NOFA-NJ 21st Annual Winter Conference, Regenerative & Resilient Food Systems: Sowing New Seeds, Princeton University, Princeton, NJ. For info contact Joanna Dillon 908-371-1111.

46th Annual Shade Tree Symposium, Lancaster County Conv. Ctr., Lancaster, PA. For info call 215-795-0411; email: penndelisa05@comcast.net or visit: www.penndelisa.org

January 31

Growing Ornamental Plants, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-3:30; \$195 by 1/17; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

Organic Turfgrass Management, NJAES Cont. Ed., 201 Ryders Lane, New Brunswick, NJ, 9-1:00; \$195 by 1/17; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 2011

February 1

Managing Insect Pests of Ornamental Landscape Plants, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$195 by 1/18; \$225 after. Pesticide Credits: 10 in Cat. 2, 3A, 6B, 8C and PP2. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 1-3

Mid-Atlantic Fruit & Vegetable Convention, Hershey Lodge and Conv. Ctr, Hershey, Pa. For info visit: www.mafvc.org

February 1-3

National Council of Agricultural Employers 47th Annual Meeting, Hotel Monaco, Washington DC. For info call 202-728-0300 or email: Matt@NCAEOnline.org

lowa Power Farming Show, Des Moines. For info, visit: www.iowapowershow.com

February 2

Pesticide Calibration, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-1:00; \$195 by 1/19; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

Soils and Fertilizers, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ, 8:45 am-12 noon; \$20. For info call Mary Cummings 856-307-6450 x1

February 2-3

Buffalo Bill Farm & Ranch Expo., North Platte. For info visit: www.nparea.com

February 3

Pest Management of Landscape Turf, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ, 9-3:30; \$195 by 1/20; \$225 after. Pesticide credits: 11 in Cat. 3B and PP2. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 4-5

New Hampshire Farm & Forest Expo, Radisson/Center of New Hampshire, Manchester. For info visit: www.nhfarmandforestexpo.org

February 4-10

North American Farmers' Direct Marketing Association's 26th Annual Convention, Baltimore, Md. For info visit: www.nafdma.com/NAFDMA2011/

February 7

Concrete Pavers, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-4:00; \$245 by 1/24; \$275 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

Pepper & Tomato Hot Water Seed Treatment and Veg. Crops Update Workshops, RCE of Cumberland County, 9-12:15, \$25.00. Pre-registration required. For info call 856-307-6450 x1.

February 8-9

Beds & Borders Seminar, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-3:30; \$345 by 1/25; \$395 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 8-9

New Jersey State Agricultural Convention, Crown Plaza Hotel, Cherry Hill, NJ. For info contact Linda Walker at NJDA at 609-633-7794.

February 8-10

World Ag Expo, Tulare, California. For more info visit: www.worldagexpo.com.

February 8-11

30th North American Strawberry Symposium, Doubletree Hotel, Tampa Westshore, Tampa, Fla. For info contact Kevin Schooley, by email: info@nasga.org or visit: www.nasga.org

Canadian International Farm Show, Toronto, Ont. For info visit: www.canadianfarmshow.ca

Basic Entomology, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45 am-12 noon; \$20. Pesticide credits: 3-7A and 7B. For info call Mary Cummings 856-307-6450 x1.

Small Fruits, RCE Burlington County, 2 Academy Dr., Westampton, NJ; 9 am-12 noon; \$20. Pesticide credits: 3-3A and PP2. For info call 609-265-5050.

Cash Flow Management for the Landscape Contractor, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ, 9-3:30; \$195 by 1/27; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

Pepper and Tomato Hot Water Seed Treatment & Veg. Crops Update Workshop, RCE of Gloucester County, 9-12:15. \$25.00 Pre-registration by 2/4 required. For info call 856-307-6450 x1.

Pesticide & Ag Plastics Stewardship 11th Annual Conference, San Antonio, Texas. For more info, visit: http://tpsalliance.org

February 14

Managing Turfgrass Insects, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, 9-3:30; \$195 by 1/31; \$225 after. Credits:10 Cat. 3B, 6B, 8C & PP2. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 14

Outdoor Entertainment Spaces: Kitchens, Firepits and More, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$245 by 1/31; \$275 after. Optional **free** hands-on training on March 11, 2011. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

Tree Fruit & Grapes, RCE of Cumberland County, 291 Morton Avenue, Millville, NJ, 9-12 noon, \$20 per person. Pesticide credits: 6 credits for 1A and PP2. For info or to register call Viola Carson 856-451-2800.

Six Key Elements of Success for the Landscape Contractor, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$195 by 2/1; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 16

Designing and Installing Segmented Retaining Walls, (Newly revised), NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-4; \$245 by 2/2; \$275 after. *Optional **free** hands-on training March 11, 2011. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

National Farm Machinery Show, Louisville, Ky. For info visit: www.farmmachineryshow.org.

Irrigation Systems: Design and Installation, NJAES Cont. Ed., 201 Ryders Lane, New Brunswick, NJ; 9-4:00; \$695 by 2/3; \$745 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 23

Water Gardens, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$245 by 2/9; \$275 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 24-26

MOSES Organic Farming Conf., La Crosse, Wis. For info call 715-778-5775 or visit: www.mosesorganic.org

New York Farm Show, Syracuse. For info visit: www.newyorkfarmshow.com

February 24

Pesticide Safety, RCE Burlington County, 2 Academy Dr., Westampton, NJ; 9 am-12 noon; \$20. Pesticide credits: 6-CORE. For info call 609-265-5050.

February 25

Irrigation Systems: Repair and Maintenance, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-4:00; \$245 by 2/11; \$275 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

February 28

Sustainable Landscape Design, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$195 by 2/14; \$225 after. Pesticide credits: 3-Cat. 3A, 6B, 8C & PP2. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

March 2011

March 1

Fence Selection, Installation & Maintenance, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$245 by 2/15; \$275 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

Basic Entomology, RCE of Cumberland County, 291 Morton Ave., Millville, NJ. 9-12; \$20.00 per person. Pesticide credits: 3-7A and 7B. For info or to register call Viola Carson 856-451-2800 x4.

Eau Claire Farm Show, Eau Claire. For info visit: www.northcountryenterprises.com

Hawkeye Farm Show, Cedar Falls. For info visit: www.farmshowsusa.com

Homelawns: Insects, Disease & Weed Mgt, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45-12; \$20. Pesticide credits: 6-3B and PP2. For info call Mary Cummings 856-307-6450 x1.

Two-Cycle Engine Maintenance, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-3:30; \$275 by 2/18; \$295 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

March 4

Irrigation Systems: Scheduling, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-3:30; \$245 by 2/18; \$275 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

March 6-8

California Small Farm Conference, San Jose, Calif. For info visit: www.californiafarmconference.com

March 7

Introduction to Pruning Techniques, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9-12; \$195 by 2/21; \$225 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

March 7-10

2011 Florida Postharvest Horticulture Tour, University of Florida, Gainesville, FL. For info contact Adrian Berry, Tour Facilitator, University of Florida, 1301 Fifield Hall, 352-273-4802 or email: adberry@ufl.edu

Michigan Farmers Market Association Farmers Market Manager Certificate Program, Kellogg Hotel and Conference Center, Lansing. For info visit: www.mifma.org

Wildlife Problems in the Landscape, Composting/Diagnostic Training, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45 am-12; \$20. Credits: 2-7A. For info call Mary Cummings 856-307-6450 x1.

Triumph of Agriculture Expo-Farm & Ranch Machinery Show, Omaha. For information visit: www.omahafarmandranch.com

→ March 10

Integrated Pest Management, RCE Burlington County, 2 Academy Dr., Westampton, NJ; 9-12; \$20. Pesticide credits: 6-CORE. For info call 609-265-5050.

March 11-12

United States Potato Board Annual Meeting, The Broadmoor Hotel, Colorado Springs, Colorado. For more info contact Robin Vest by email: rvest@uspotatoes.com

Earthwise Lawn Care; RCE Burlington County; 2 Academy Dr., Westampton, NJ; 9-12; \$20. Credits:6-3B & PP2. For info call 609-265-5050.

Gardening Naturally, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45 am-12 noon; \$20. Pesticide credits: 2-3A and PP2. For info call Mary Cummings 856-307-6450 x1.

March 17

Advanced Pruning Techniques, NJAES Cont. Ed., 102 Ryders Lane, New Brunswick, NJ; 9:00-3:30; \$245 by 3/3; \$275 after. For info call 732-932-9271 or email: ocpe@njaes.rutgers.edu

North American Farm & Power Show, Owatonna, Minn. For info visit: www.tradexpos.com

Vegetable Gardening, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45 am-12 noon; \$20. Pesticide credits: 2-PP2. For info call Mary Cummings 856-307-6450 x1.

Wisconsin Public Service Farm Show, Oshkosh. For more information visit: www.wisconsinpublicservice.com/farm/show.asp

March 30

Weed Identification & Control, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45 am – 12noon; \$20. Pesticide credits: 3-3A, 3B and PP2. For info call Mary Cummings 856-307-6450 x1.

April 2011

Pesticide Safety, RCE of Cumberland County, 291 Morton Ave., Millville, NJ; 9:00 a.m.-12 noon; \$20 per person. Pesticide credits: 6-CORE. For info or to register call Viola Carson 856-451-2800 x4.

Insects & Mites of Ornamentals, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45-12; \$20. Credits: 6-3A & PP2; for info call Mary Cummings 856-307-6450 x1 or email: cummings@njaes.rutgers.edu

International Watermelon Conference, The Eden Roc Renaissance Resort & Spa, Miami Beach, Fla. For info visit: www.internationalwatermelon.com

Houseplants, RCE Gloucester County, 1200 N. Delsea Dr., Clayton, NJ; 8:45-12; \$20. Credits: 6-3C. For info call Mary Cummings 856-307-6450 x1 or email: cummings@njaes.rutgers.edu

Agri-Marketing Conference & Trade Show, Kansas City, Mo. For info visit: www.nama.org/amc.

△ April 23-24

19th Annual Washington County Farm & Fiber Tour, Washington County. For information visit: www.washingtoncountyfibertour.org

REGULARLY SCHEDULED MEETINGS

✓ Indicates meeting will be held at RCE of Cumberland County

Pesticide Certification Exam Schedule—Cumberland County 291 Morton Avenue Millville, NJ 08332

(Between Rosenhayn & Carmel)

Z011
Jan 5 Feb 16 Mar 2
Apr 13 May 4 Jun 2
Sep 21 Oct 28 Nov 9
Dec 14

To Register call 609-984-6614
For directions call 856-451-2800

Cumberland County Agriculture
Development Board
291 Morton Avenue
Millville, NJ 08332
(Between Rosenhayn & Carmel)

 2011

 Jan 12
 Feb 9
 Mar 9

 Apr 13
 May 11
 Jun 8

 Jul 13
 Aug 10
 Sep 14

 Oct 12
 Nov 9
 Dec 14

Meetings start at 7 p.m.
Call DeAnn at 856-453-2211

Cumberland County Board Of Agriculture 291 Morton Avenue Millville, NJ 08332

(Between Rosenhayn & Carmel)
7 pm meetings

2011Jan 20 Feb 17 Mar 17
Apr 21 May 19 Sep 15
Oct 20 Nov 17 Dec 15

For info email Jim Laning, Vice-President jklaning@verizon.net

Cumberland County Improvement Authority (CCIA) Pesticide Container Recycling

Cumberland County Solid Waste Complex

169 Jesse's Bridge Rd. (located off Route 55 Exit 29)

Deerfield Township, New Jersey

2011 collection schedule published when available

Sincerely,

James R. Johnson Agricultural Agent

Nursery Management Commercial

Internet: jjohnson@njaes.rutgers.edu

Wesley L. Kline, Ph.D. Agricultural Agent

Vegetable & Herb Production

Weeley L. Kline

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.

Missing an article, a date or a whole newsletter?

Check out past issues of "Cultivating Cumberland" by visiting http://Cumberland.njaes.rutgers.edu/
and keep up with all the past and up-to-date news!

Now is the time to update your Cultivating Cumberland mailing information. Enclosed is the mail list information. Please check over the information and make corrections as needed. The form only needs to be returned if you wish to be removed from the mailing list or have any changes in your information. The updated information will be used beginning February 25, 2011.

Please consider receiving your newsletter via email. If you wish to change your status to email, be sure to check off your email choice and update your email address. If you have any questions, please call Tammy at 856-451-2800 x1.

NONPROFIT ORGANIZATION
U.S. POSTAGE PAID
VINELAND, NJ
PERMIT NO. 186

Cooperative Extension of Cumberland County

Extension Education Center

291 Morton Avenue

On

On



PESTICIDE CREDITS OFFERED

RCE of Cumberland County Home Horticulture Department will offer pesticide credits for the classes listed on the reverse side of this notice. All classes will be held at the RCE Office, 291 Morton Avenue, Millville (between Rosenhayn & Carmel), 9:00 a.m. - noon.

The cost is \$20.00 per class per person and registration and pre-payment is required. Please fill out the registration form below and return it with payment as soon as possible. Be sure to include all requested information. If you have any questions, please call Viola Carson, Rutgers Cooperative Extension at 856-451-2800 x4.

REGISTRATION FORM		
Name	Phone:	
Address:		
I wish to attend the following classes: (check all that apply)		
1/4/11 Plant Pathology2	2/15/11 Tree Fruit & Grapes	
3/1/11 Basic Entomology	4/5/11 Pesticides Safety & Use	
5/3/11 Weed Management	6/7/11 Turf Pest Problems	
classes @ \$20.00 each = \$		
Amount enclosed: \$ (Make checks payable to: Extension Service Programs Account)		
Send to: Viola Carson, RCE of Cumberland County, 291 Morton Ave., Millville, NJ 08332		

Why you should attend:

This half-day workshop will give you the most up-to-date information on vegetable crops and current recommended controls for bacterial diseases of tomato and pepper.

Topics of interest:

- Cultural and chemical control measures for bacterial diseases of tomato and pepper.
- Outlook for the Brown Marmorated Stink Bug
- •Future of Food Safety
- Pesticide Safety

Details:

Monday, February 7, 2011

Rutgers Coop. Ext. of Cumberland County

291 Morton Ave, Millville, NJ 08332

Friday, February 11, 2011

Rutgers Coop. Ext. of Gloucester Co.

1200 N. Delsea Dr., Bldg A, Clayton, NJ

Please pre-register and indicate if bringing seed to have treated.

COST: \$25.00 PER FARM (LIMIT 2 PERSONS)

Directions

Rutgers Coop. Ext. of Cumberland County 291 Morton Ave, Millville, NJ 08332

- 1. Turnpike South to Exit 2.
- Turn right onto Route 322 toward Mullica
 Hill.
- 3. At the light turn right onto Rt. 45.
- 4. Bear left at south end of town onto Route 77 South
- 5. Follow Route 77 South for about 20 miles.
- 6. Go through traffic circle.
- At 2nd light after traffic circle (town of Deerfield) make a left.
- At end of road make a right onto Centerton Road.
- 9. Take the first left onto Morton Avenue.
- 10. Continue south on Morton Avenue through 2 stop signs and through the traffic light on Landis Avenue.
- 11. The office is located on the right side of Morton Avenue about 1.5 miles past the Landis Avenue intersection.

Rutgers Coop. Ext. of Gloucester Co. 1200 N. Delsea Dr., Bldg A, Clayton, NJ

From the North:

- 1. Take Interstate 295 South to the Atlantic City Expressway East for about 0.5 mi., bear right to Rt. 55 towards Glassboro.
- 2. Rt. 55 South to Exit 50A (Rte 322 East).
- 3. Go 5 lights and turn Right onto Rt. 47 South (Delsea Drive).
- 4. On Rt. 47 travel approximately 2.5 mi., Gloucester County Office Complex is on the right. 5. Office of Government Services Building is the first building on the left, park in front of building.

From the East:

- 1. Harding Highway / Rt. 40 West becomes Rt.47 South (Delsea Drive).
- 2. On Rt. 47 travel approximately 2.5 miles, Gloucester County Office Complex is on the right. 3. Office of Government Services Building is the first building on the left, park in front of building.



SOUTH JERSEY

Pepper and Tomato Hot Water Seed Treatment and Vegetable Crops Update Workshops

Monday, Feb. 7, 2011 Cumberland County

Friday, Feb. 11, 2011 Gloucester County

An educational and instructional workshop on treating seed with hot water to reduce diseases.

Growers can bring seed to have treated and learn about vegetable crop updates. Please Pre-Register by calling 856-307-6450 ext. 1

Cost: \$25.00



Tel: (856) 307-6450 ext. 1

Registration Form

Please Send in with Payment

Program Schedule

9:00 AM Registration 9:15AM Overview of Hot Water Seed Treatment Kris Holmstrom, Vegetable IPM, Research Project Coordinator 9:45 AM Overview of Bacterial Diseases of Tomato and Pepper and Their Control Dr. Andy Wyenandt, Rutgers NJAES Vegetable Pathologist 10:45 AM Planning for the Brown Marmorated Stink Bug in 2011 Kris Holmstrom, Vegetable IPM, Research Project Coordinator 11:15 AM Future Food Safety Changes Dr. Wes Kline, Agricultural Agent, Cumberland Co. 11:45 AM Safe Application of Pesticides Michelle Casella, Agricultural Agent, Gloucester Co. 12:15 PM Pesticide Credits and Lunch

*We will try to accommodate all who bring seed to treat on the day of the seminars. However, this will be done on a first come first serve basis in order of paid registrations received in our office. If we do not have time to treat your seed on that day, we can make appointments on other dates to do so. Regardless of when you registered, if you are bringing hot pepper seed that will be done last that day, since it can cause irritants.

IF YOU ARE BRINGING SEED TO HAVE HOT WATER TREATED, YOU MUST CALL TO GET IN-STRUTIONS ON HOW TO PREPARE YOUR SEED FOR TREATMENT. NO PELLETED OR CLAY COATED SEED CAN BE USED. FUNGICIDE TREATED SEED CAN BE DONE.



Check off day and location you want to attend:	
Mon., Feb. 7th—Cumberland County	
Fri., Feb 11th—Gloucester County	
,	
Name(s)	
email	
Address	
Phone	
# of persons: (\$25.00 PER FARM	
REPRESENTED, NO MORE THAN 2 PERSONS PER FARM)	
Bringing seed to hot water treat: (circle)	
yes no	

Return with RSVP, by February 4th, MAIL TO: Hot Water and Disease Workshop Rutgers Coop. Ext. of Gloucester Co. County Government Services Building 1200 N. Delsea Dr., Bldg A Clayton, NJ 08312-1095

Make checks payable to: GCBA

Or Fax: 856-307-6476 This Form You can also call to Register Contact: Michelle Casella at 856-307-6450 ext. 1

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.