

# Cultivating Cumberland

February - 2017 VOL. 22, ISSUE 2

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### Attachments:

On Farm Energy Efficiency & Water Conservation Workshop

Critical Updates for the 2017 Mid-Atlantic Vegetable Recommendations Guid (1/9/17)

NJ State Agricultural Convention Schedule

CC Board of Ag Scholarship Fund Raiser

## Cultivating Cumberland Renewal

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

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

Reactivation forms are due back to our office no later than February 15th, 2017. We will begin using the updated mailing list for the March 2017 issue.

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

- Call Tammy at 856-451-2800 x1
- Email: [tammyco@co.cumberland.nj.us](mailto:tammyco@co.cumberland.nj.us)
- Fax the form back to 856-451-4206, or
- Return the form by mail.

Don't miss out on all the up-to-date information. Be sure to renew your subscription to “Cultivating Cumberland” by February 15th. If you have any questions, please feel free to contact Tammy at the Extension Office at 856-451-2800 x1 for assistance.

If you still need to renew, a sticker has been placed on this issue of the newsletter indicating “last issue, update required”.

## Difference between a Third Party Audit and the Food Safety Modernization Act (FSMA)

There is confusion about the difference between a third party audit and the produce rule under FSMA. The biggest difference is one is voluntary (third party audit) and one is government regulation (FSMA). Whether you need a third party audit depends on who is purchasing the produce. Some buyers will require an audit and specify the audit firm. This is mainly related to wholesale growers.

Whether you have a third party audit or not FSMA applies for operations over \$25,000 in average annual sales if you produce fruits or vegetables that are normally eaten raw. Section 112.2 (a) in the rule lists which crops are not normally eaten raw.

Farms may be eligible for a qualified exemption and modified requirements (section 112.5 and 112.6). To be eligible the farm must meet two requirements.

1. The farm must have food sales averaging less than \$500,000 per year adjusted for inflation during the previous three years.
2. The farm's direct sales to qualified end-user (restaurants, CSA, farmers markets, etc.) that is located in the same state or within 275 miles must exceed sales to all buyers combined during the previous three years.

A farm with the qualified exemption must meet modified requirements, including prominently displaying the name and the complete business address of the farm where the produce was grown either on the label of the produce or at the point of purchase.

### Compliance Dates

Farm Size	Compliance Dates	Water Compliance Dates <sup>1,2</sup>	Labeling dates for Qualified Exemption <sup>3</sup>	Compliance Date fro Retention of Records to Support Qualified Exemption
>\$500,000	1/26/18	1/27/20		
>\$250-500K <sup>4</sup>	1/28/19	1/26/21	1/1/20	1/26/16
>\$25-250K <sup>5</sup>	1/27/20	1/26/22	1/1/20	1/26/16

<sup>1</sup> Compliance dates for certain aspects of the agricultural water requirements allow an additional two years. Provisions with extended compliance dates include:

- The specific microbiological criteria that apply to agricultural water
- Corrective measures that must be taken if agricultural water does not meet requirements
- The frequency of testing agricultural water
- Records associated with data to support a microbial die-off rate, corrective measures, test results from a public water system, or data used to support alternative die-off rates, criteria, or sampling strategies

<sup>2</sup> Guidance published 8/24/16 indicates that a farm has the option of collecting surface water samples over two to four years. For example, a farm that is not small or very small would begin sampling in 2018 and complete the water quality profile in 2020, 2021, or 2022.

<sup>3</sup> A farm eligible for a qualified exemption must notify consumers as to the complete business address of the farm where the food is grown, harvested, packed, and held.

<sup>4</sup> A farm is a small business if, on a rolling basis, the average annual monetary value of produce sold during the previous 3-year period is greater than \$250,000 but no more than \$500,000.

<sup>5</sup> A farm is a very small business if, on a rolling basis, the average annual monetary value of produce sold during the previous 3-year period is greater than \$25,000 but no more than \$250,000.

## SADC

The State Agriculture Development Committee (SADC) leads in the preservation of New Jersey's farmland and promotes innovative approaches to maintaining the viability of agriculture. The SADC administers the [Farmland Preservation Program](#), providing grants to counties, municipalities and nonprofit groups to fund the purchase of development easements on farmland; directly purchasing farms and development easements from landowners; and offering [grants to landowners in the program to fund up to 50 percent of the cost of soil and water conservation projects](#). It also administers the [Right to Farm Program](#), oversees the [Transfer of Development Rights Bank](#), and operates the [Farm Link Program](#), which helps connect farm owners with farmers seeking access to farmland and farming opportunities.

The SADC consists of 11 members – six citizens appointed by the Governor with the advice and consent of the Senate, and five ex-officio members. Four of the citizen members must be actively engaged in farming, and the other two represent the general public.

The SADC is looking for farmer members. Anyone interested in serving on the SADC should send a resume to the State of Board of Agriculture no later than February 22, 2017. The terms are 4 year terms and you may serve 2 times. Send letter with qualifications to:

NJ State Board of Agriculture  
Linda Walker, Secretary  
369 S. Warren Street  
Trenton, NJ 08625

Or email: [linda.walker@ag.state.nj.us](mailto:linda.walker@ag.state.nj.us)

## Deer Fencing Grant Funding on Preserved Farms

Susan E. Payne, Executive Director State Agriculture Development Committee

The State Agriculture Development Committee (SADC) is pleased to announce a new program to provide Cost-Share grants to help farmers install deer fencing on preserved farms to protect their crops.

The SADC is making available at least \$500,000 - and potentially more depending on program demand - to provide 50 percent matching grants to established qualifying farmers for the cost of fencing materials and installation. Farmers must own or operate the farm, or be an immediate family member of the owner-operator of a family farm, in order to qualify.

Maximum grant awards are \$200 per acre of preserved farmland owned or \$20,000 total. Applications will be ranked and prioritized for available funding based on criteria including deer density per square mile, crop type to be fenced, hunting status on the farm and adjacent properties, and farmer military status. The ranking system awards additional points to applications from military veteran farmers - those who served at any time since September 11, 2001 and were honorably discharged or released - to support returning veterans who are transitioning to careers in agriculture.

Funding for the deer fencing program will come from a portion of the SADC's State Farmland Preservation Program monies allocated to promoting stewardship activities on preserved farms. Funding for the program is subject to appropriation by the Legislature.

An application form and the SADC's deer fencing policy, including more detailed eligibility and ranking criteria are available on the SADC's website at [www.nj.gov/aqriculture/sadc/](http://www.nj.gov/aqriculture/sadc/) (click under "Hot Topics"). Applications must be received by the SADC by March 23, 2017 in order to be considered for grant funding.

The SADC appreciates any assistance you can provide in ensuring that owners of preserved farms are aware of grant opportunities under the new deer fencing program. If you have any questions, please contact Dave Clapp, Resource Conservationist, of our office at (609) 984-2504 or [david.clapp@aq.state.nj.us](mailto:david.clapp@aq.state.nj.us)

## **Pesticide Container Recycling**

Roberta Lang, NJ Dept. of Agriculture

The following are dates and locations for pesticide container recycling in Southern New Jersey:

### **Atlantic County:**

Location: Helen Chemical  
66 Route 206  
Hammonton, NJ

Time: 9am-12 Noon

Dates (Fridays):

April 7, May 5, Jun 2  
Jul 7, Aug 4, Sept 1  
Oct 6

### **Monmouth County:**

Location: Rutgers Fruit Research Center  
283 Route 539  
Cream Ridge, NJ

Time: 9am-3pm

Dates: Monday—Friday

### **Burlington County:**

Location: Allied Recycling, Inc.  
Route 206  
Mount Holly, NJ

Time: Allied Recycling's operating hours

Dates: Monday through Saturday

### **Salem County:**

Location: Helena Chemical  
440 N. Main Street  
Woodstown, NJ

Time: 9am-12 noon

Dates: Apr 21, May 12, Jun 9  
Jul 14, Aug 11, Sept 8

**Cumberland County listed on the back page of this newsletter.**

## New Rutgers Fact Sheets

### **FS1263 Ultra-niche Crop Series: Writing SMART Goals for Your Farm**

Authors: Jenny Carleo, Agricultural Agent, Cape May County

### **FS1264 Hilling-Up to Prevent Winter Injury in Vineyards**

Authors: Hemant Gohil, Agricultural Agent, Gloucester County

Gary C. Pavlis, Agricultural Agent, Atlantic County

Daniel Ward, Extension Specialist in Pomology

Mizuho Nita, Ass't Professor & Extension Grape Pathologist, Virginia Polytechnic Institute and State University

### **FS1260 Red Leaves in the Vineyard: Biotic and Abiotic Causes**

Authors: Hemant Gohil, Peter Nitzsche and Daniel Ward

## NAP DEADLINE

**March 15th, 2017** is the final deadline for obtaining crop coverage through the Noninsured Crop Disaster Assistance Program (NAP) for the 2017 crop year! This deadline includes the following crops:

**Beans, Brussel Sprouts, Cantaloupe, Celery, Cucumbers, Eggplant, Honeydew, Oats, Okra, Peppers, Pumpkins, Sorghum, Squash, Sunflowers, Sweet Potatoes, Tomatillos, Tomatoes, Watermelons & Yams**

**The NAP program has been updated with new coverage options for Organic and Direct Market Operations. Service fees are waived and premiums are reduced for Limited Resource, Traditionally Under-served, and Beginning Farmers.**

***Please call Sarah Hitchner at 856-205-1225 ext. 119 for more information!***

Angela Andreoli, CED  
Vineland, NJ

Atlantic/Cape May/ Cumberland FSA  
(856) 205-1225, ext.2

USDA is an Equal Opportunity Provider, Employer, and Lender

## Identity Theft Update

As we enter the new year, the “**Cumberland County Office of Consumer Protection**” would like to enlighten our consumers to some of the scams, thefts and frauds that are currently active, ... and also to inform them on how to avoid these illegal acts ... and if targeted how to take action to recover.

As always we advise that “*Any suspected consumer fraud violations committed by merchants should be reported to the **Cumberland County Office of Consumer Protection. (856-451-0925)***”

This consumer tip will touch on becoming a victim of “**Identity Theft**” ... and what action you need to take to recover....

What to know ... What to do

### **If you become a victim of Identity Theft**

Step 1: Call the company where the fraud occurred:

- √ Call the fraud department and explain that someone stole your identity. Ask them to close or freeze your accounts so no one can add new charges without your consent.
- √ Change your logins, passwords and PIN numbers for all of your accounts.

Step 2: Place a fraud alert and ask for your credit reports.

- √ To place a fraud alert, you only have to notify one of the three credit bureaus listed below. That company is required to inform the other two.
  - **Experian.com/fraudalert (1-888-397-3742)**
  - **TransUnion.com/fraud (1-800-680-7289)**
  - **Equifax.com/CreditReportAssistance (1-888-766-0008)**
- √ To obtain your free credit reports go to **[annualcreditreport.com](http://annualcreditreport.com)** or call **1-877-322-8228**

Step 3: Report identity theft:

- √ Review your credit reports and make note of any transaction you do not recognize. This will help you identify and report the theft to the police.
- √ Also report Identity Theft to the Federal Trade Commission (FTC) @ **[IdentityTheft.gov](http://IdentityTheft.gov)**, and you can also obtain detailed information on how to fix problems caused by the identity theft.
- √ This site will also walk you through each step of your personal recovery plan and make available pre-filled letters and forms to send to credit bureaus, businesses and debt collectors.

For further assistance, you may also contact:

James Matlock  
**Cumberland County**  
**Office of Consumer Protection**  
**220 N. Laurel St Bridgeton, NJ 08302**  
**856-451-0925**

**<http://www.co.cumberland.nj.us/consumeraffairs>**

## Calendar of Important Events

↻ Indicates the newly added event since last calendar

### February 2017

#### ↻ February 7

**Introduction to Plants: Botany**, Rutgers Cooperative Extension, 291 Morton Ave., Millville, 9am-12pm; \$20. For more information or to register, call Tammy 856-451-2800 x1.

#### February 9

**Food Safety Modernization Act: Produce Rule Training**, Held during the 2017 NJ Agricultural Convention & Trade Show, Harrah's Resort, 777 Harrah's Boulevard, Atlantic City, NJ. 9 a.m.—4 p.m.; Cost \$35/person prepaid/at the door. NOTE: This cost is additional and not included in the convention registration cost. Cost includes materials. Lunch not included. To register for the food safety workshop call Tammy at 856-451-2800 x1. To register for the Convention, go to <http://njveggies.org/convention.htm>.

#### ↻ February 9

**Outdoor Entertainment Spaces: Kitchens, Fire Pits and More**, Rutgers Continuing Education; \$270. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

#### ↻ February 14

**Plant Diseases**, Rutgers Cooperative Extension, 291 Morton Ave., Millville; 9am-12pm; \$20. Pesticide credits: 6 each categories 13, 3A and PP2. For more information or to register, call Tammy 856-451-2800 x1.

#### February 14-15

**Produce Safety Alliance Train-the-Trainer Course**, Rutgers Environmental Research & Ext. Center, 1200 Florence-Columbus Road, Bordentown, NJ; 8:30am-5:30pm; \$225 includes trainings materials and lunch both days. For more information call Tammy 856-451-2800 x1. Registration limited to the first 50 paid registrants.

#### ↻ February 14-15

**Athletic Field Maintenance and Construction**, Rutgers Continuing Education, 8am-4pm; \$430. Pesticide credits: 8 in 3B and 13. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

#### ↻ February 17

**Hazardous Tree Identification**, Rutgers Continuing Education, 9am-3:30pm; \$270. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

#### ↻ February 21

**Baseball and Softball Skin Surface Selection and Management**, Rutgers Continuing Education, 8am-12pm; \$175 by 2/7; \$190 after. Pesticide credits: 4 in 3B and 13. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

#### ↻ February 21

**Pesticides**, Rutgers Cooperative Extension, 291 Morton Ave., Millville; 9am-12pm; \$20. Pesticide credits: 3 credits each for categories 1A, 3A and PP2; 6 CORE credits. For more information or to register call Tammy 856-451-2800 x1.



### 📅 February 22

**Tree Planting and Installation**, Rutgers Continuing Education; 9am-3:30pm; \$245 by 2/8; \$270 after. For more information call 848-932-9271; email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

### February 22-23

**Food Safety Modernization Act: Produce Rule Training & Third Party Audits**, Rutgers Cooperative Exten. of Mercer County, 930 Spruce St., Trenton, NJ; 9 am-4 pm; \$50/person Day 1 and \$25/person Day 2 (optional). Cost includes lunch and materials. To register call 856-451-2800 x1.

### 📅 February 23

**Tree Pruning**, Rutgers Continuing Education, 9am-3:30pm, \$245 by 2/9; \$270 after. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

### February 24

**Central Jersey Vegetable Grower's Meeting**, Ag Building, 4000 Kozloski Road, Freehold, NJ. Proposed Credits: 5 Core, 2 1A, 4 PP2 and 2 Cat 10. For more information call Joanne: 732-431-7260 x7280. Registration due by February 17th.

### 📅 February 24

**Natural and Integrated Pest Management Strategies for Sports Turf**, Rutgers Continuing Education; 8am-12:30 pm; \$175 by 2/10; \$195 after. Pesticide credits: 9 in categories 3B and 13. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

### 📅 February 28

**Basic Entomology**, Rutgers Cooperative Extension, 291 Morton Ave., Millville; 9am-12pm; \$20. Pesticide credits: 6 credits each for categories 13, 7A and 7B; 2 CORE credits. For more information or to register, call Tammy 856-451-2800 x1.

## March 2017

### 📅 March 2

**Centrol NJ Turf and Ornamental Institute**, Battleground County Club, 40 Millhurst Rd., Manalapan, NJ; 8am-3:45pm; \$100 pp; Pesticide credits: 2 units category 2; 3 units category 6B; 4 units CORE, 5 units for categories 3A & 3B and 6 units for categories 1A, 13 and PP2. Pre-registration required. For more information call 732-398-5262.

### March 6-7

**Food Safety Modernization Act: Produce Rule Training & Third Party Audits**, Rutgers Cooperative Extension of Cumberland County, 291 Morton Ave., Rosenhayn; 9 am-4 pm; \$50/person Day 1 and \$25/person Day 2 (optional). Cost includes lunch and materials. To register call Tammy 856-451-2800 x1.

### March 7

**Ultra-Niche Crops: Specialty Peppers**, RCE Cape May County, Somerset County and Rutgers Eco-Complex. \$20; 5:30-8:00 p.m.. Deadline to register is March 3, 2017. For more information call Jenny Carleo, Ag Agent at 609-465-5115 or email Jennifer Matthews at: [jmatthews@aesop.rutgers.edu](mailto:jmatthews@aesop.rutgers.edu)

### 📅 March 7

**Park Management and Liability Issues**, Rutgers Continuing Education, 9am-3:30pm; \$195 by 2/21; \$210 after. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

**March 7**

**Tree Fruit & Grapes**, Rutgers Agricultural Research & Extension Center, 121 Northville Road, Bridgeton; 9am-12pm; \$20. Registration required as space is limited. Pesticide credits: 6 credits each for categories 1A and PP2; 3 credits for 3A. For more information or to register, call Tammy 856-451-2800 x1.

**March 8-9**

**Food Safety Modernization Act-Produce Rule Training for Blueberry Growers & Third Party Audit Plan Writing**, Marucci Center for Blueberry & Cranberry Research & Extension; 125A Lake Oswego Rd., Chatsworth, NJ; 9am-4pm; \$50/person Day 1 and \$25/person Day 2 (optional). Cost includes lunch and materials. To register call Tammy 856-451-2800 x1.

**March 13**

**Landscape Lighting: Design and LED Technology**, Rutgers Continuing Education, 9am—3:30pm; \$395 by 2/27; \$430 after. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

**March 21**

**Turf Pest Management**, Rutgers Cooperative Extension, 291 Morton Ave., Millville; 9am-12pm; \$20. Pesticide credits: 6 each for categories 13, 3B and PP2. For more information or to register, call Tammy at 856-451-2800 x1.

**March 22-23**

**Food Safety Modernization Act-Produce Rule Training & Plan Writing for Beginners**, Rutgers Cooperative Extension Hunterdon County, 314 State Route 12, Bldg. 2, Flemington, NJ; 9am-4pm; \$50/person Day 1 and \$25/person Day 2 (optional). To register call Tammy 856-451-2800 x1.

**March 17**

**Introduction to Pruning Techniques**, Rutgers Continuing Education, 9am-3:30pm; \$195 by 3/3; \$210 after. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

**March 28**

**Advanced Pruning Techniques**, Rutgers Continuing Education, 9am-3:30pm; \$245 by 3/14; \$270 after. For more information call 848-932-9271, email: [ocpe@njaes.rutgers.edu](mailto:ocpe@njaes.rutgers.edu) or visit: [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu)

**March 28**

**Structural & Household Pests**, Rutgers Cooperative Extension, 291 Morton Ave., Millville; 9am-12pm; \$20. Pesticide credits: 6 credits for 7A. For more information or to register, call Tammy 856-451-2800 x1.

## 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>2017</u></p> <p>Feb 16    Mar 16 Apr 20    May 18             Oct 19</p> <p><b>To Register call 609-984-6614 For directions call 856-451-2800</b></p> <p>*****</p>	<p>✓</p> <p><b>Cumberland County Agriculture Development Board</b> County Administration Bldg. Freeholder Room 164 W. Broad Street Bridgeton, NJ 08332</p> <p><u>2017</u></p> <p>Feb 14    Mar 14 Apr 11    May 9    Jun 13 Jul 11    Aug 8    Sept 12 Oct 10    Nov 14    Dec 12</p> <p><b>Reg. Meetings start at 7 p.m. Information call 856-453-2211</b></p> <p>*****</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>2017</u></p> <p>Feb 16    Mar 16 Apr 20    May 18    Sept 21 Oct 19    Nov 16    Dec 21</p> <p><b>For info call Hillary Barile, President 856-453-1192</b></p> <p>*****</p>
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**Cumberland County Improvement Authority (CCIA)  
Pesticide Container Recycling**  
**9:00 a.m. to 12 Noon**  
Cumberland County Solid Waste Complex  
169 Jesse's Bridge Rd. (located off Route 55 Exit 29)  
Deerfield Township, New Jersey

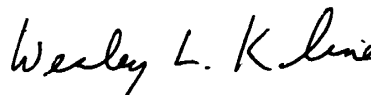
Questions? Call Division of Ag & Natural Resources, NJ Dept. of Ag 609-292-2242

May 19    Jun 16    July 21  
Aug 18    Sept 15    Oct 20    Nov 17

Sincerely,



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



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

**Pesticide User Responsibility:** Use pesticides safely and follow instructions on labels. The user is responsible for the proper use of pesticides, residues on crops, storage and disposal, as well as damages caused by drift.

**Use of Trade Names:** Trade names are used in this publication with the understanding that no discrimination is intended and no endorsement is implied. In some instances the compound may be sold under different trade names, which may vary as to label.

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

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

Public Notification and Non-discrimination Statement

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

*Cooperative Extension of Cumberland County*



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Extension Education Center  
291 Morton Avenue  
Millville, NJ 08332-9791

**RUTGERS**  
New Jersey Agricultural  
Experiment Station



## FARM ENERGY EFFICIENCY AND WATER CONSERVATION SEMINAR

*February 22, 2017*

*Rutgers Snyder Research Farm*

*140 Locust Grove Rd., Pittstown, NJ 08867*

### Agenda

- 8:30 – 9:00 Registration, continental breakfast
- 9:00 – 9:15 Introduction – Dr. Larry Katz, *Senior Associate Director, NJAES*
- 9:15 – 9:45 Overview – Dr. Serpil Guran, *Director, Rutgers EcoComplex*
- 9:45 – 10:45 Building Insulation, Heating, Cooling and Weatherization –  
Dr. A.J. Both *Extension Specialist for Greenhouse* and Tom Manning, *Rutgers SEBS*
- 10:45 – 12:15 Water Conservation Panel  
Moderator: Dave Specca, *Assistant Director, Rutgers EcoComplex*
- Drip Irrigation – Steve Yergeau, *Environmental & Resource Management Agent, Ocean and Atlantic Counties*
  - Center Pivot Systems – Sal Mangiafico, *Environmental & Resource Management Agent, Cumberland County*
  - BMPs for Water Efficiency & Energy Conservation in Irrigation – Dr. Raul Cabrera, *Extension Specialist for Nursery Production & Management*
  - Water Collection – Dr. Amy Rowe, *Environmental & Resource Management Agent, Passaic and Essex Counties*
- 12:15 – 1:00 Lunch
- 1:00 – 1:45 Postharvest Practices and Food Safety Concerns - Jenny Todd, *Rutgers School of Environmental and Biological Sciences*
- 1:45 – 2:30 Refrigeration Technology – John Gallaher, *VP of Sales Hillpheonix Corp.* and Kurt Liebendorfer, *VP of Evapco*
- 2:30 – 2:45 Coffee break
- 2:45 – 3:45 Federal and State Incentives for Energy Efficiency and Water Conservation Panel  
Moderator: Lou Cooperhouse, *Rutgers Food Innovation Center*
- Clean Energy Program - Marisa Slaten, *Board of Public Utilities*
  - Rural Energy for America Program - Joseph Henry, *Loan Specialist & Energy Coordinator, USDA Rural Development*
  - Water Conservation Programs - Christine Hall, *State Resource Conservationist, USDA-NRCS*
  - Farm Storage Facility Loans, Micro Loans – Paul Hlubik and Alyson Dyson, *USDA Farm Service Agency*
- 3:45 – 4:00 Wrap-up

# Critical Updates for the 2017 Mid-Atlantic Vegetable Recommendations Guide

## 01/09/17

### Entomology

1. EPA cancelled all registrations of the insecticide **Flubendiamide** (found in the products Belt and Vetica for use in the U.S. due to potential toxicity concerns for certain aquatic organisms.
2. Label change for the insecticide/miticide abamectin: Agri-Mek SC label contains revised use instructions and restrictions as well as new labeled crops (**including dry and succulent beans, soybeans and sweet corn**). Be sure to read the label before making an application for use rates and all restrictions including, but not limited to adjuvant requirement that must be followed to avoid illegal residues. NOTE – this is the only labeled formulation of abamectin available for use on dry and succulent beans, soybeans and sweet corn for spider mite control <http://www.cdms.net/ldat/ld9NLO20.pdf>
3. Allium leafminer: New serious pest of onions and garlic in the mid-Atlantic region.

**Allium leafminer (*Phytomyza gymnostoma*)** is an invasive species first confirmed in southeastern Pennsylvania in 2016. Information is at <http://ento.psu.edu/extension/vegetables/pest-alert-allium-leafminer> and <http://www.agriculture.pa.gov/Protect/PlantIndustry/Pages/ALLIUM-LEAFMINER.aspx>. Adults appear to be active in the spring (March-May) and fall (October-November). Management includes row covers or insecticides during the time of adult activity. Although efficacy trials have not been conducted, the following insecticides labelled for leafminers that may be effective against allium leafminer. Labeled crops noted with days to harvest (DTH)

Crop subgroups with listed crops taken from labels and also found at <http://ir4.rutgers.edu/other/CropGroup.htm>

**Trigard (cyromazine): for leafminers *Not for use in Nassau and Suffolk Counties, NY***

Bulb Vegetables crop group (7 DTH)

Some of the crops in this group are: garlic, great-headed (elephant) garlic, leek, dry bulb onion, green onion, potato onion, tree onion, Welsh onion, rakkyo, and shallot.

**Scorpion (dinotefuran): for leafminers and others *Not for use in NY State***

Onion, bulb and green (subgroups 3-07A and 3-07B) (1 DTH)

Bulb onion, includes: Daylily, bulb; Fritillaria, bulb; Garlic, bulb; Garlic, Great-headed, bulb; Garlic, serpent, bulb; Lily, bulb; Onion, bulb; Onion, Chinese, bulb; Onion; pearl Onion; potato, bulb; Shallot, bulb; Cultivars, varieties and/or, hybrids of these

Green onion, includes:

Chive, fresh leaves; Chive, Chinese, fresh leaves; Elegans hosta; Fritillaria leaves; Kurrat; Leady's leek; Leek; Leek, wild; Onion, Beltsville bunching; Onion, fresh; Onion, green; Onion, macrostem; Onion, tree, tops; Onion, Welsh tops; Shallot, fresh leaves; Cultivars, varieties and/or hybrids of these

**Radiant SC (spinetoram): for dipteran leafminers and others**

Bulb Vegetables (Crop Group 3) (1 DTH)

Bulb vegetables: bulb onion, garlic, great-headed (elephant) garlic, green onion, leek, shallot, Welsh onion

Herbs (Subgroup 19A) (1 DTH)

Includes: chive, chive (Chinese)

**Mustang, Mustang Maxx (and OLF) (zeta-cypermethrin): for leafminers (adults)**

Bulb Vegetables (Allium spp.) (7 day PHI)

Including: Garlic; Garlic, Great-Headed (elephant); Green Eschalots; Japanese Bunching Onions; Leeks; Onion, Dry Bulb and Green; Onion, Welsh; Shallots, Dry Bulb and Green; Spring Onion or Scallions

**Warrior II (and OLF) (lambda-cyhalothrin): for leafminer species (adults)**

Onion (bulb) and Garlic (14 DTH)

*For Organic Growers*

**Aza-Direct (and OLF) (azadirachtin): for leafminers**

verify label crops and uses – some variation among products and some may not be organic-compatible

Bulb Vegetables (0 DTH)

Such as: Garlic, Leek, Onion (dry bulb, green and Welch), Shallot

**Entrust SC (spinosad): organic-compatible, for dipteran leafminers and others**

Bulb Vegetables (Crop Group 3) (1 DTH)

Bulb vegetables: dry bulb onion, garlic, great-headed (elephant) garlic, green onion, leek, shallot, welch onion

Herbs (Subgroup 19A) (Insect Suppression) (1 DTH)

Includes: chive, chive (Chinese)

*Products not specifically labeled for *Phytomyza gymnostoma* but may be effective*

**Agri-Mek SC (or OLF) (abamectin): for *Liriomyza* leafminers and thrips. Include adjuvant per label**

Herb Crop Subgroup (Crop Subgroup 19A) (7 DTH)

Including Chives, Chives (Chinese)

Onion, Bulb (Crop Subgroup 3-07A) (30 DTH)

Crops in this group are: onion, bulb including daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, Chinese, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties; and/or hybrids of these.

**Exirel (cyantraniliprole): for Leafminer (*Liriomyza* spp.) and thrips. Include adjuvant per label**

Bulb Vegetables, (EPA Crop Group 3-07) (1 DTH)

Chive, fresh leaves; Chive, Chinese, fresh leaves; Daylily, bulb (edible);

Elegans hosta (edible); Fritillaria, leaves (edible);

Garlic, bulb; Garlic, great headed, bulb; Garlic, serpent, bulb;

Kurrat; Lady's leek; Leek; Leek, wild; Lily, bulb; Onion, Beltsville bunching; Onion, bulb; Onion, Chinese, bulb;

Onion, fresh; Onion, green; Onion, macrostem; Onion, pearl; Onion, potato, bulb; Onion, tree, tops; Onion,

Welsh, tops; Shallot, bulb; Shallot, fresh leaves

**Assail (acetamiprid): for thrips**

Onions and other Bulb Vegetables, (EPA Crop Group 3-07) (7 DTH)

Chive, fresh leaves; Chive, Chinese, fresh leaves; Daylily, bulb;

Elegans hosta; Fritillaria, leaves and bulbs;

Garlic, bulb; Garlic, great headed, bulb; Garlic, serpent, bulb;

Kurrat; Lady's leek; Leek; Leek, wild; Lily, bulb; Onion, Beltsville bunching; Onion, bulb; Onion, Chinese, bulb;

Onion, fresh; Onion, green; Onion, macrostem; Onion, pearl; Onion, potato, bulb; Onion, tree, tops; Onion,

Welsh, tops; Shallot, bulb; Shallot, fresh leaves

**Critical Updates for the 2017 Mid-Atlantic Vegetable Recommendations Guide  
01/09/17**

**Weed Management**

**Cole Crops**

Reflex	24c registrations also include Virginia. See label for rates, instructions and restrictions
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**Cucumbers**

Sandea	Pre-harvest interval has been reduced 14 days (24c registration; expires 5/31/2018)
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**Lettuce**

Kerb	Label has been expanded to include leaf lettuce as well as head lettuce.
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**Pepper**

Reflex	24c registrations also include Virginia. See label for rates, instructions and restrictions
--------	--

**Sweet Corn**

- Recently labeled herbicides include:

Herbicide	Comments
Acuron	Pre-packaged mixture of Dual, atrazine, Callisto, and bicyclopyrone. Applications can be made pre-plant or preemergence. Broad spectrum control
Acuron Flexi	Similar to Acuron, but without atrazine
Armezon Pro	Pre-packaged mixture of Armezon plus Outlook for postemergence applications. Outlook may provide additional residual control for grasses and some small-seeded broadleaf weeds
Verdict	Pre-packaged mixture of Outlook and Sharpen. Applications can be made pre-plant or preemergence.

**Watermelon**

Reflex	24c registrations also include Virginia. See label for rates, instructions and restrictions
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### **Changes to Labels Affecting Crop Rotations:**

Reflex has new crop rotation planting restrictions for the following crops:

Lima bean: 4 months instead of 10 months

Pumpkin: 10 months instead of 18 months

Cucumber: 12 months instead of 18 months

Transplanted pepper/tomato: 10 months instead of 18 months

Direct seeded pepper/tomato: 12 months instead of 18 months

Squash: 12 months instead of 18 months

Flexstar and Flexstar GT have new crop rotation planting restrictions for the following crops:

Lima bean: 4 months instead of 12 months

Squash : 12 months instead of 18 months

## **Critical Updates for the 2017 Mid-Atlantic Vegetable Recommendations Guide 01/09/17**

### **Pathology**

Presidio (fluopicolide, 43) is not labelled for use in potato.

SoilGard (*Trichoderma virens*) and Double Nickel (*Bacillus amyloliquefaciens* strain D747) are labelled for use on greenhouse transplants.

Orondis Opti (oxathiapiprolin + chlorothalonil, U15 + M5) is now labeled for use on multiple crops for fungal leaf spots and downy mildew control.

Orondis Ultra (oxathiapiprolin + mandipropamid, U15 + 40) is now labeled for use on multiple crops for downy mildew and Phytophthora blight control

Orondis Gold (oxathiapiprolin + mefenoxam, U15 + 4) is now labeled for use on multiple crops for damping-off and Phytophthora blight control.

**SEE LABEL FOR SPECIFIC CROPS AND USE RATES**

2017

**SCHEDULE**

**NEW JERSEY**

**STATE AGRICULTURAL**

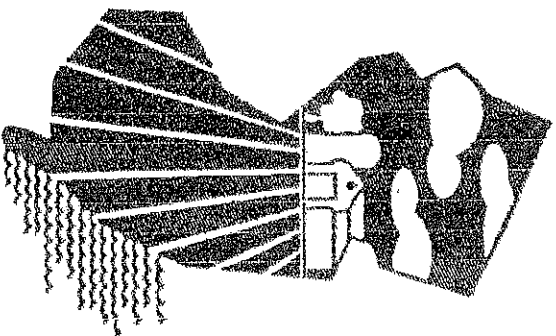
**CONVENTION**

**February 8 & 9, 2017**

**Harrah's Resort and**

**Waterfront Conference Center**

**Atlantic City, NJ**



Wednesday, February 8

**9:00 Open Convention**

*Wildwood Ballroom 28 – Entrance 11*

- President's Welcome
- Flag Salute
- Invocation
- Introduction of State Board of Agriculture
- President's Remarks

**9:30 State of the State of Agriculture**

Honorable Douglas H. Fisher  
*Secretary of Agriculture*

**10:00 Convention Business Session**

- Roll Call of Delegates
- Description of Consent Calendar

**10:15 Special Guest Speaker**

Ryck Suydam  
*President, New Jersey Farm Bureau*

**10:30 Upcoming Policy Trends Affecting the**

**U.S. Horticulture Sector**

Craig Regelburg, *Senior Vice President of Industry*  
*Advocacy & Research, AmericanHort*

**11:30 Voting Session – Resolutions #1-4**

**12:30 New Jersey Agricultural Society**

**Luncheon**

*Avalon Ballroom 30 – Entrance Avalon 3*

**2:00 Remarks from State Legislators**

Honorable Bob Andrzejczak  
*Assemblyman; Assembly Agriculture and Natural*  
*Resources Committee Chair*

Honorable Vincent Mazzeo  
*Assemblyman*

**2:30 Livestock Owners' Concerns In Human**

**Issues**

Nancy E. Halpern, DVM, Esq.  
*Chair of the Animal Law Practice, Fox Rothschild*  
*LLP, former Director of the NJDA's Division of*  
*Animal Health and State Veterinarian*  
*limits of CT oversight on SPCA ??*

**3:15 Voting Session - Resolutions #5-9**

**4:00 Youth Speaker – NJ FFA**

*Myranda Bond, President*

**4:15 Award Presentations**

- Patrick Mullen Quality Grading
- Commercial Fishing Industry Award
- Gold Medal Equine Stewardship Award

**4:30 Committee Meetings**

- Nominations Committee *Wildwood 12 & 1*
- Resolutions Committee *Wildwood 28*

**5:30 Agricultural Ambassadors Reception**

*Avalon Ballroom Prefunction Area*

**7:00 Joint Agricultural Convention**

**Dinner Banquet**

*Avalon Ballroom 30 – Entrance Avalon 3*

**Keynote Speaker:**

Honorable Stephen M. Sweeney  
*New Jersey Senate President*

Thursday, February 9

**9:00 Convention Session**

*Wildwood Ballroom 28 – Entrance 11*

- Call to Order
- Invocation
- Introduction of State Board of Agriculture
- Roll Call of Delegates

**10:00 How to Successfully Utilize the H2A**

**Guest Worker Program**

Overview of H2A Program and Rules

- Leon R. Sequeira, Esq.  
*Former Assistant Secretary of Labor for Policy in the George W. Bush Administration; Advisor on Guest Worker Labor Matters*

Panel Discussion with Audience Question/Answer:

- Chalmers Carr, H2A User, Owner of Titan Farms and President of USA Farmers (National H2A Advocacy Group)
- Lewis DeEugenio, Jr., H2A User, Owner of Summit City Farms and Winery and New Jersey Representative to USA Farmers
- Ed Overdeest, H2A User, Owner of Overdeest Nurseries and New Jersey State Board of Agriculture Member
- Leon R. Sequeira, Esq., Former Assistant Secretary of Labor for Policy in the George W. Bush Administration; Advisor on Guest Worker Labor Matters

**10:45 Voting Session – Resolutions #10-13**

**11:00 U.S. Produce Policy Outlook for the**

**Coming Year**

Robert Guenther, *Senior Vice President, Public Policy, United Fresh Fruit & Vegetable Association*

**11:30 Special Address**

Honorable Kim Guadagno

*Lieutenant Governor of New Jersey*

**12:00 Farm Credit East Luncheon**

*Avalon Ballroom 30 – Entrance Avalon 3*

**1:30 Youth Speaker – NJ 4-H**

*Wil Staats, Somerset County*

**1:45 Report from Rutgers School of Environmental & Biological Sciences & NJ Experiment Station**

Dr. Robert M. Goodman, *Executive Dean*

**2:00 Voting Session – Resolutions #14-18**

Vote on Consent Calendar – Resolutions #19-40

**3:00 Elections**

- State Board of Agriculture
- Fish and Game Council

Tuesday, February 7 through

Thursday, February 9

**New Jersey Agricultural Leadership Development Program (NJALDP)**

*Wildwood Ballroom 10*

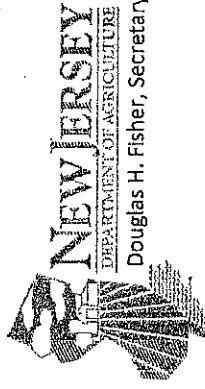
Wednesday, February 8

**New Jersey Agricultural Education Advisory Council**

1:30 PM

*Wildwood Ballroom 12 & 13*

The State Agricultural Convention is presented by the:



**The New Jersey State Board of Agriculture:**

Santo John Maccherone, *President*  
Mitchell Jones, *Vice President*  
Erick K. Doyle  
Ed Overdeest  
Shirley Todd Kline  
Angelo Trapani  
Daniel Farrand  
August Wuillermin

# FUNDRAISING NIGHT!



To Benefit:

Cumberland County Board of  
Agriculture

Tuesday

February 21<sup>st</sup>, 2017

4 - 10pm

Please Bring Flyer!!

## 10% Donation Night

Support this cause by  
presenting this invitation to  
the listed Texas Roadhouse<sup>®</sup>  
location and Texas Roadhouse<sup>®</sup>  
will donate 10% of your total food  
purchases to the fundraiser!

**AHEAD**  
SEATING

**(856) 293-1894**

2299 North 2nd Street Millville NJ

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