

Cultivating Cumberland

October - 2017 VOL. 22, ISSUE 10



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County Clerk's Satellite Office

Located next to LibertyTravel in the Cumberland Mall

The Cumberland County Clerk's Office has opened a satellite office in the Cumberland Mall (next to Liberty Travel) to better serve the public. This location offers:

- Passports
- Passport Photos
- Notary Services*
- Veterans Cards
- Elections
- Business Name Registration

*Please note that notary oaths will be administered weekdays from 1 pm to 6 pm and between 11 am and 2 pm on Saturday. If special accommodations are needed, please call and make an appointment.

Hours of Operation:

Monday—Friday 11 am to 7 pm
Saturday 10 am to 3 pm
Closed on Sunday

Contact Information:

Bridgeton Office: 856-453-4860
County Store: 856-300-7466
www.ccclerknj.com
www.cumberlandcountyyvotes.com

Attachments:

- Pesticide Applicator Re-certification Training Course
- Ultra-Niche Crops Series: Farming Garlic
- Food Safety Training Nov. 29-30
- Food Safety Training Dec. 13-14
- FDA Fact Sheet—"Rarely Consumed Raw" Produce
- FDA Fact Sheet—Equivalent Testing Methodologies for Agricultural Water

Food Safety Modernization Act Baseline Calculator

An exemption from certain provisions of the Produce Rule under FSMA is based on dollar values of food sold. Below is the statement from the Food and Drug Administration on how these are calculated.

Several FSMA rules have provisions in which a value is adjusted for inflation and averaged over 3 years. Provide the values based on Price Deflators for Gross Domestic Product (GDP) and the average for the most recent 3 years for the applicable rules below. The GDP deflator is not a static number, and changes monthly. They intend to update the values at the end of March each year.

Qualified Exemption

Qualified Exemption: A farm is eligible for a qualified exemption if the average annual monetary value of all food sold during the 3-year period preceding the applicable calendar year was less than \$500,000, adjusted for inflation, and sales to qualified end-users during such period exceeded the average annual monetary value of the food sold by such farm to all other buyers.

Baseline Value for Cut-offs (2011)	Value in 2012	Value in 2013	Value in 2014	Value in 2015	Value in 2016	Average 3 Year Value for 2014-2016
\$500,000	\$509,199	\$517,417	\$526,645	\$532,170	\$539,121	\$532,645

Not Covered Farms

Not covered farm: A farm or farm mixed-type facility with an average annual monetary value of produce sold during the previous 3-year period of less than \$25,000 (on a rolling basis).

Baseline Value for Cut-offs (2011)	Value in 2012	Value in 2013	Value in 2014	Value in 2015	Value in 2016	Average 3 Year Value for 2014-2016
\$25,000	\$25,460	\$25,871	\$26,332	\$26,608	\$26,956	\$26,632

FDA Proposes to Extend Water Testing Section of FSMA

The Food and Drug Administration has proposed to extend the time for complying with the water testing section in the Food Safety Modernization Act. The chart below lists the compliance dates. This means for operations over \$500,000 growers have until 2022 before starting to comply with the water rule.

Also, FDA is reviewing the testing methods and the frequency. What this means for growers is to continue using the method they are using for water sampling and the frequency of testing. If a grower is not testing their water for irrigation or post-harvest now is the time to start. The only test required is for generic E. coli. This is not a drinking water test, but only for irrigation and post harvesting handling. There is a list of testing methods now considered equivalent to the 1603 method (see enclosed FDA Factsheet). All water used for post-harvest handling must have no generic E. coli present.

Size of covered farm based on sales	Compliance period	Compliance date
\$25,000—\$250,000	8 years	January 26, 2024
\$250,000—\$500,000	7 years	January 26, 2023
Over \$500,000	6 years	January 26, 2022

USDA Survey to Focus on Farm Labor

The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) will continue its biannual Agricultural Labor Survey during the second half of October. The survey will collect information about hired labor from more than 1,400 Northeastern farmers.

"Labor data are critical to farming operations and data about the use of hired workers helps administer farm labor programs," said King Whetstone, Director of the NASS Northeastern Regional Field Office. "The data that farm operators provide through NASS's Agricultural Labor Survey helps leaders, associations, and farmers themselves make decisions based on accurate information."

USDA and the U.S. Department of Labor will use statistics gathered in the Agricultural Labor Survey to establish minimum wage rates for agricultural workers, administer farm labor recruitment and placement service programs, and assist legislators in determining labor policies.

In the survey, NASS asks participants to answer a variety of questions about hired farm labor on their operations, including total number of hired farm workers, the average hours worked, and wage rates paid for the weeks of July 9-15 and October 8-14. For their convenience, survey participants have the option to respond online.

"By asking about two separate reference periods each time we collect data during the year, we are able to publish quarterly data and capture seasonal variation," said Whetstone. "This approach reduces the number of times we ask farm businesses to respond to surveys while ensuring that accurate and timely data are available for anyone conducting research or analyses."

NASS will compile, analyze, and publish survey results in the November 16 *Farm Labor* report. All previous *Farm Labor* publications are available online at <http://bit.ly/FarmLabor>. For more information on NASS surveys and reports, call the NASS Northeastern Regional Field Office at 800-498-1518.

Register Online today at nofanj.org!

Regenerating Our Communities, Restoring Our Land

NOFA NJ's 28th Annual Winter Conference

January 27th and 28th, Rutgers
Douglass Student Center, New Brunswick, NJ

Over 50 workshops and hands-on
intensive programming for farmers,
gardeners, and food-lovers alike.

Thanks to our Partners

RUTGERS
UNIVERSITY




Early Bird Registration Has Begun!

It is that time of year again! The 2018 NOFA-NJ Winter Conference is being planned as you read this. Saturday and Sunday, January 27th and 28th at the Rutgers Douglass Student center is the place to attend New Jersey's largest Organic food and agriculture conference.

With tracks in Crops, Livestock, Urban Farming, Gardening, and Food Policy, we are gearing up for a really great conference featuring workshops and speakers on the forefront of organic agriculture, community building, and environmental restoration. Look forward to more emails highlighting the cast of excellent speakers and workshops in the coming weeks.

****Early Bird Discount!****

The first 50 attendees to register will receive an early bird discount of \$15 per day (\$30 on a two day registration). Be sure to sign up today to get the best price on the best thing happening this winter!

Farmland Assessment on Woodlands

New Jersey Forestry Association

The NJ Forestry Association is offering a presentation for woodland owners in New Jersey to learn more about Farmland Assessment on Woodlands and how the latest changes for farmland assessment affect woodland owners. The program covers the history of farmland assessment, the 1986 amendment specifically addressing woodlands & farmland assessment, the requirements for qualifying woodlands and the latest changes.

Find this information and more at the “Farmland Assessment on Woodlands—A Guide for New Jersey’s Forest Landowners” presentation.

The presentation will be hosted at the following location:

- Rutgers EcoComplex in Burlington County
1200 Florence Columbus Road, Bordentown, NJ 08505

DATE: Wednesday, November 1st

TIME: 7 pm to 8:30 pm

COST: \$20 for non-members, FREE for members of NJFA

To register for this presentation visit:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eegyqgh2fa2a4900&oseq=&c=&ch=>

For more information contact:

Lori Jenssen, NJ Forestry Association

908-832-2400

Email: njfalorij@aol.com



Calendar of Important Events

📅 Indicates the newly added event since last calendar

October 2017

October 11-13

Bee-ginner's Beekeeping, Rutgers Eco Complex, 1200 Florence-Columbus Rd., Bordentown, NJ. Pre-registration is required, \$245; 9am-4pm on 10/11 & 12:00am-12 noon on 10/13. For more information contact Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

October 12

UST Training for Class A & B Operators, Rutgers Continuing Ed, New Brunswick, NJ; \$275 by 9/28; \$295 after. For more information call 848-932-9271 or email: ocpe@njaes.rutgers.edu

October 12-13

Bio Controls Conference & Expo, Hyatt Regency, Orlando, Florida. For more information contact Katie Smith, Show Director 440-602-9158 or email: ksmith@meistermedia.com

October 13-16

Hydroponic Greenhouse Lettuce Intensive, University of Arizona, College of Ag & Life Sciences, 1951 E. Roger Rd., Tucson, AZ. For info call 520-626-9566 or email: azsmith11@email.arizona.edu

October 13

Pesticide Calibration, Ext. Conf. Ctr., 18 Ag Extension Way, New Brunswick, NJ; 9am-1pm; \$195 by 9/22; \$210 after. Credits: 8 CORE. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

📅 **October 16**

Pesticide Applicators Seminar, Gloucester County Cooperative Extension, 1200 N. Delsea Dr., Bldg. A, Conference Room C, Clayton, NJ 08312; 9am-12pm; \$50. Credits: 3 CORE, 3 PP2, 3 3A and 3 3B. For more information call 856-307-6450.

October 17

Underground Storage Tanks: Regulatory Training, Rutgers Continuing Ed., New Brunswick, NJ; \$275 by 10/3; \$295 after. For more information call 848-932-9271 or email: ocpe@njaes.rutgers.edu

October 18-19

Sensory Evaluation, Rutgers Continuing Education, University Inn & Conference Center, 178 Ryders Lane, New Brunswick, \$845 by 10/4. For more information call 848-932-9271 x2 or visit: www.cpe.rutgers.edu/food

October 18

Advanced Petroleum Forensics Geochemistry, Rutgers Continuing Education., New Brunswick; \$275 by 10/4; \$295 after. For more information call 848-932-9271 or email: ocpe@njaes.rutgers.edu

October 19

PAH Forensics Geochemistry, Rutgers Continuing Education, New Brunswick, NJ; \$275 by 10/5; \$295 after. For more information call 848-932-9271 or email: ocpe@njaes.rutgers.edu

October 20

Statistics for Food Scientists, Rutgers Continuing Education, University Inn & Conference Center, 178 Ryders Lane, New Brunswick; \$395 by 10/6, 8am-4:30 pm. For more information call 848-932-7316 or visit: www.cpe.rutgers.edu/food

October 25

Turfgrass Disease Management, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; \$195 by 10/11; \$210 after, 9am-4pm. Credits: 2 cat. 13 & 10 for 3A, 3B, 3C, 6B & PP2. Continental breakfast & lunch provided. For more information contact Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

October 26

Pesticide Applicator Re-certification Training, Headlee Research Lab, 180 Jones Ave., New Brunswick, NJ; \$150. Pesticide credits: 2 credits for categories 10 & CORE, 1 credit for category 11 and 4 credits for categories 8A & 8B. For more information email Dr. Diana Carle at: dianacarle@gmail.com

October 25

South Jersey Nursery Meeting, Rutgers Cooperative Extension, 291 Morton Ave., Rosenhayn; \$20, 8:30am-4pm. Registration required by October 20, 2017. For more information call Sal Mangiafico 856-451-2800 x1

October 27

Emergency Pesticide Recertification 1/2 Day Session in 3A, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; \$175 by 10/13; \$190 after, 9am-12noon. Pesticide credits: 6 units in category 3A. For more information contact Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

October 27

Emergency Pesticide Recertification 1/2 Day Session in 3B, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; \$175 by 10/13; \$190 after, 1pm-4pm. Pesticide credits: 6 units in category 3B. For more information contact Joe Conzano 848-932-7317 or visit: www.cpe.rutgers.edu

November 2017**November 1**

Protecting Water Quality with Good Turf Fertilizer Practices, Rutgers Cooperative Extension, 291 Morton Ave., Millville, NJ; \$20 includes a light lunch, 9am-11:00am. To register contact Tammy Commander by email: tammyco@co.cumberland.nj.us, or call 856-451-2800 x1. 4 ProFact credits have been assigned for this session.

November 2

Sunset Lake Water Quality and Health, Hosted by The Cohansey Area Watershed Association, 31 W. Commerce St., Bridgeton, NJ; 7-8 p.m. For more information contact Dr. Sal Mangiafico 856-451-2800 x1

November 2

SFMANJ Fall Field Day & Trade Show, Owens Park, Monroe Twp., Gloucester County. Free to attendees, includes free continental breakfast & hot lunch. For more information call 856-514-3179.

November 6

Diseases and Pests of Trees, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; \$225 by 10/23; \$245 after, 9am-3:30pm. Credits: 8 category 1A & 3A, 1 CORE & 8 category PP2. Continental breakfast & lunch provided. For more information call Joe Canzano at 848-932-7317 or visit: www.cpe.rutgers.edu

November 6-8

Better Process Control School, Rutgers Continuing Education, University Inn & Conference Center, 178 Ryders Lane, New Brunswick, NJ; 8:30am –4:30pm. Check in time 8am. Registration \$995 by 12/23; \$1,095.00 after. For more information call 848-932-7315 or visit: www.cpe.rutgers.edu/food

November 7-9

2017 Annual Farmers Market Managers Conference, Binghamton, NY. Full conference cost \$200 member or \$250 nonmembers. For more information visit: www.nyfarmersmarket.com/conference-registration-2017/ or email: deggert@nyfarmersmarket.com

November 9

Protecting Water Quality with Good Landscape Practices, Peach Country Tractor, 1463 N. Tuckahoe Rd., Williamstown, NJ, 10am-12 noon. For more information or to register contact Stephanie Smith at 856-589-3953 x1.

November 9-10

Introduction to Plant Identification, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; \$395 by 10/26; \$430 after, 9am-3:30pm. Continental breakfast and lunch provided. For more information contact Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

November 13-14

Large Tree Climbing and Rigging, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; \$395 by 10/30; \$430 after, 9am-3:30pm. Continental breakfast and lunch provided. For more information contact Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

November 13-14

Farm Bureau Annual Meeting, Princeton Westin at Forrestal Village. For more information call 609-393-7163

November 21

Municipal Shade Tree Management, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; \$245 by 11/7; \$270 after, 9am-3:30pm. Continental breakfast & lunch provided. For more information contact Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

November 28

Snow and Ice Removal, Cook Student Center, 59 Biel Rd., New Brunswick, NJ; \$195 by 11/14; \$210 after, 8:30am-3:30pm. Continental breakfast & lunch provided. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

November 29-30

Food Safety Modernization Act: Produce Safety Alliance Grower Training and Third Party Audit, Rutgers Snyder Research Farm, 140 Locust Grove Rd., Pittstown, NJ; \$50 day 1; \$25 day 2 per person. Day 2 optional day covering third party audits, both days include lunch. Registration required by Nov. 22. To register visit: <https://rutgersonfarmfoodsafety.eventbrite.com> or contact Tammy 856-451-2800 x1.

November 30

Irrigation Systems: Repair and Maintenance, Rutgers Continuing Ed., Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 9am-4pm; \$245 by 11/16; \$270 after. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu/landscape

December 2017

📅 December 1

Managing Turfgrass Insects, Rutgers Continuing Education, Extension Conf. Center, 18 Ag Extension Way, New Brunswick, NJ; 9am-3:30pm; \$195 by 11/17; \$210 after. Pesticide credits: 5 for cat. 10, 4 for cat. 13, 11 for 3B and 8 for 8C. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

📅 December 4-5

Practical Food Microbiology, Rutgers Continuing Education, University Inn & Conference Center, 178 Ryders Lane, New Brunswick, NJ; 9am-3:30pm, Check in 8:30 a.m. Registration \$795 by 11/20; \$825 after. For more information call 848-932-7315 or visit: www.cpe.rutgers.edu/food

📅 December 4 & 11

Soil and Plant Relationships, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 9am-3:30pm; \$295 by 11/20; \$325 after. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

📅 December 13

Hazardous Tree Identification (Session 1), Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 9am-3:30pm, \$245 by 11/29; \$270 after. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

📅 December 13-14

Food Safety Modernization Act: Produce Safety Alliance Grower Training and Third Party Audits, Rutgers Cooperative Ext., 291 Morton Ave., Millville, NJ; \$50 day 1, \$25 day 2 per person. Day 2 optional covering third party audits. Registration required by Dec. 6. To register visit: <https://rutgersonfarmfoodsafety.eventbrite.com> or call Tammy 856-451-2800 x1.

📅 December 14

NJ Fertilizer Recertification Program, Cook Student Center, 59 Biel Rd., New Brunswick, 8:30am - 1pm, \$145 per person with multiple person discounts, NJ Fertilizer credits - 8 units. For more information call Joe Canzano 848-932-7317

📅 December 15

It's Not the Economy-It's You!, Extension Conference Center, 18 Ag Extension Way, New Brunswick, 9am-3:30pm; \$195 by 12/1; \$210 after. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

📅 December 18

Growing Ornamental Plants, Extension Conference Center, 18 Ag Extension Way, New Brunswick, 9am-3:30pm, \$195 by 12/4; \$210 after. Credits: 4 each in 3A & PP2. For more information call Joe Canzano 848-932-7317

📅 December 19

Basics of Turfgrass Management, Ralph Geiger Turfgrass Center, 20 Indyk-Engel Way, New Brunswick; \$195 by 12/5; \$210 after. Pesticide credits: 10-3B and 2 CORE. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

📅 December 20

Water Management and Drainage, Ralph Geiger Turfgrass Center, 20 Indyk-Engel Way, New Brunswick, 9am-4pm; \$195 by 12/6; \$210 after. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

December 21

Common Sense Business and Pricing Strategies, Extension Conference Center, 18 Ag Extension Way, New Brunswick, 9am-4pm; \$195 by 12/7; \$210 after. For more information call Joe Canzano 848-932-7317

January 2018**January 3**

Pest Management of Ornamental Landscape Plants, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 9am-3:30pm; \$195 by 12/26; \$210 after. Credits: 4-3B and 8-3A & PP2. Continental breakfast and lunch included. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

January 5-March 16

Landscape Plants: Identification, Selection and Application, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 8:30am-12pm; \$895 by 12/22; \$950 after. Continental breakfast will be provided each day. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

January 5-February 23

Landscape Design I: The Basics, Blake Hall, Studio Room 244, 93 Lipman Drive, New Brunswick, NJ; 1-4:30pm; \$745 by 12/22; \$795 after. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

January 8

Managing Diseases of Ornamental Landscape Plants, Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 9am-3:30pm; \$195 by 12/22; \$210 after. Continental breakfast and lunch provided. For more information call Joe Canzano 848-932-7317 or visit: www.cpe.rutgers.edu

January 16-18

2018 Empire State Producers Expo, SRC Arena, Syracuse, NY. Registration opens in November. For more information visit: www.nysvga.org/expo/information/

January 30-February 1

2018 Mid-Atlantic Fruit & Vegetable Convention, Hershey Lodge and Convention Center, Member registration: \$75 advanced; walk-in \$90. Non-member registration \$125 one day or \$165 three days. Pre-registration for workshops and tour is required. For more information call Maureen Irvin 717-677-4184 or visit: www.mafvc.org

February 2018**February 7-9**

NJ Agricultural Convention & Trade Show, Harrahs Resort and Waterfront Conference Center, Atlantic City, NJ. For more information call Donna Dugan at donnava52010@comcast.net.

REGULARLY SCHEDULED MEETINGS

✓ Indicates meeting will be held at RCE of Cumberland County

<p>✓</p> <p>Pesticide Certification Exam Schedule—Cumberland County 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn & Carmel)</p> <p><u>2017</u></p> <p>Oct 19</p> <p>To Register call 609-984-6614 For directions call 856-451-2800 *****</p>	<p>Cumberland County Agriculture Development Board County Administration Bldg. Freeholder Room 164 W. Broad Street Bridgeton, NJ 08332</p> <p><u>2017</u></p> <p>Oct 10 Nov 14 Dec 12</p> <p>Reg. Meetings start at 7 p.m. Information call 856-453-2211 *****</p>	<p>✓</p> <p>Cumberland County Board Of Agriculture 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn & Carmel) 7 pm meetings</p> <p><u>2017</u></p> <p>Oct 19 Nov 16 Dec 21</p> <p>For info call Hillary Barile, President 856-453-1192 *****</p>
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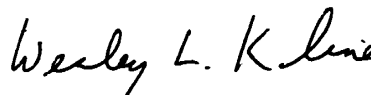
**Cumberland County Improvement Authority (CCIA)
Pesticide Container Recycling**
9:00 a.m. to 12 Noon
Cumberland County Solid Waste Complex
169 Jesse's Bridge Rd. (located off Route 55 Exit 29)
Deerfield Township, New Jersey
Questions? Call Division of Ag & Natural Resources, NJ Dept. of Ag 609-292-2242

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 un-

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

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

Public Notification and Non-discrimination Statement

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

Cooperative Extension of Cumberland County



1915-2016

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Extension Education Center
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Millville, NJ 08332-9791

RUTGERS
New Jersey Agricultural
Experiment Station



Pesticide Applicator Re-certification Training Course CORE, Mosquito (8B and 8A), Aerial (11), Demonstration and Research (10)

Date: October 26th

Event AE0602CA18

Course Location: Headlee Research Labs, 180 Jones Ave., New Brunswick NJ.

Fee: \$150.00. Three or more students from the same agency can register for a reduced fee of \$125.00/student.

Course Description: This course meets pesticide applicators in need of credits before their pesticide applicator license expires in October. The training has been tailored for government employees with immediate concerns and responsibilities for stewardship of public health, mosquito research, surveillance and control. All who need re-certification credits in the above categories are welcome to sign up.

9:45 AM - Registration & Coffee

10:00 Bionomics of Rare Mosquitoes Found in New Jersey

Scott Crans, Office of Mosquito Control Coordination

10:30 Pesticide Update for 2017

Dr. George Hamilton, Rutgers Department of Entomology

11:00 From Aerial Spraying to Beekeeping Practices, What are The Effects of Mosquito Abatement on Honeybees?

Dr. Diana Carle, Rutgers Department of Entomology, Center for Vector Biology

11:30 Lunch Break- Light Lunch Provided

12:30 Advances in Vector Control Science: Rear-and-Release Strategies Show Promise... but Don't Forget the Basics

Dr. Brian Johnson, Rutgers Department of Entomology, Center for Vector Biology

1:00 Amplification and Transmission Cycles: Turn Up the Volume!

Dr. Lisa Reed, Rutgers Department of Entomology, Center for Vector Biology

1:30 Demonstration and Research: Mosquito Insecticide Resistance Management

Dr. Dina Fonseca, Rutgers Department of Entomology, Center for Vector Biology

2:00 Distribution of Credits & Adjournment

HOW DO I REGISTER?

Online: <http://www.cpe.rutgers.edu/courses/current/ae0602ca.html>

Mail or Fax registrations please send the form below and follow these instructions:

By Mail: Send check, money order or purchase order (payable to Rutgers, The State University of NJ) to:
Office of Continuing Professional Education, Cook College, 102 Ryders Lane, New Brunswick, NJ 08901-8519
Attn: Diana Carle "Mosquito Pesticide Training"

By FAX: (732) 932 8726, 24 hours. Please include a copy of check, money order or PO with fax registrations.

For additional information addressing specific questions regarding this course contact the program coordinator **Dr. Diana Carle**, dianacarle@gmail.com

Have a great day and we look forward to seeing you there!



Registration Form For Payment by Check, Money Order or Purchase Order

*** Print this form and mail to address above or fax to 732-932-8726 ***

NOTE: To pay by credit card, please visit our website and register online

Course Name: _____

Course Date: _____ Course Code: _____

Your Name: _____

Employer: _____ Job Title: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Work Phone: _____ Home Phone: _____

Cell Phone: _____ Fax Number: _____

Email Address: _____

How did you hear about us? _____

Yes! Please add me to your mailing list. Contact me by (check all that apply): email fax mail

PAYMENT METHOD

Total Fee: \$ _____

Check Money Order Authorized Purchase Order (Must Provide Copy)

Make payable to: *Rutgers, The State University of New Jersey*

*Proof of payment MUST be presented with this form to process your registration. You have 2 options:

1. *By Mail:* Please include original payment with this form
2. *By Fax:* Please include a copy of payment with this form and fax to 732-932-8726. Originals must be mailed before the class begins or may be hand carried to the first day of course.

Credit Card:

Please visit our website (www.cpe.rutgers.edu) and click the "Register Online" button.

Registration Questions? Contact us!

(848) 932-9271, option 2 or registration@njaes.rutgers.edu

SOURCE CODE: WEBFORM



Tuesday, October 17, 2017

Dinner: 5:30 p.m.

Class 6-8 p.m.

\$20

Choose a location in NJ:

- Cape May Court House
- Bordentown
- Bridgewater

Garlic is relatively easy to grow, fits well into a rotating harvest and multifaceted marketing system, has a long shelf life, and is highly valued by consumers.

Participants will:

- ◆ Take a *virtual fieldtrip*
- ◆ Participate in a panel discussion with specialists and farmers
- ◆ Complete a risk assessment to determine if growing garlic is right for them
- ◆ Learn how to make more money on less land

For more information call (609) 465-5115, ext. 3607, email Jennifer Matthews at:

JLM479@njaes.rutgers.edu, or visit our website: <http://njaes.rutgers.edu/ultra-niche-crops/>

Jenny Carleo, County Agent, Department of Agriculture and Natural Resources,
Rutgers Cooperative Extension of Cape May County

To register by October 10, 2017, go to Eventbrite: <https://rutgerscmcag.eventbrite.com>



Save the Date! Ultra-Niche: Beach Plums

Wednesday, November 8

5:30 dinner, Class 6-8 p.m., Cost \$20

Bridgewater, Cape May Court House, West Windsor

Project sponsored by the USDA-NIFA Beginning Farmer and Rancher Development Program



What: Food Safety Training

When: November 29 and 30, 2017 from 9 am-4 pm

Where: Rutgers Snyder Research Farm, 140 Locust Grove Rd, Pittstown, NJ 08867

Details: \$50.00 per person on Day 1 (FSMA Produce Safety Rule Grower Training)

\$25.00 per person on Day 2 (optional day, Third Party Audits)

Lunch included both days.

Deadline to Register is November 22, 2017.

Who should attend:

- Fruit and Vegetable Growers
- Others interested in produce safety, good agricultural practices/third party audits and the Food Safety Modernization Act.

*Meets the FDA requirements for FSMA Produce Rule Training



To **register** or for more information please visit:

<https://rutgersonfarmfoodsafety.eventbrite.com>

If you are unable to register online call Tammy Commander at (856) 451-2800, ext. 1

or email: commander@njaes.rutgers.edu



STATE OF NEW JERSEY
DEPARTMENT OF AGRICULTURE



**Food Safety Modernization Act:
Produce Safety Alliance
Grower Training and Third Party Audits**

What: Food Safety Training

When: December 13 and 14 from 9 am-4 pm

Where: Rutgers Cooperative Extension of Cumberland County, 291 Morton Avenue, Millville, NJ 08332

Details: \$50.00 per person on Day 1 (FSMA Produce Safety Rule Grower Training)
\$25.00 per person on Day 2 (optional day, Third Party Audits)

Lunch included both days.

Deadline to Register is December 6, 2017.

Who should attend:

- Fruit and Vegetable Growers
- Others interested in produce safety, good agricultural practices/third party audits and the Food Safety Modernization Act.

*Meets the FDA requirements for FSMA Produce Rule Training



To register or for more information please visit:

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STATE OF NEW JERSEY
DEPARTMENT OF AGRICULTURE



FDA FACT SHEET

Produce Safety Rule (21 CFR 112)

“RARELY CONSUMED RAW” PRODUCE

What is “Rarely Consumed Raw” Produce?

- “Rarely consumed raw” produce are fruits and vegetables that are almost always cooked before being consumed. Our use of produce that is “rarely consumed raw,” therefore, is intended to mean those produce commodities that are almost always eaten only after being cooked (i.e., heat treated in some form). Cooking is a kill-step that can adequately reduce the presence of microorganisms that are of public health significance.

Why is “Rarely Consumed Raw” Produce Exempt from the Produce Safety Rule?

- Cooking produce before it is consumed, whether commercially or by the consumer, can reduce the risk of serious adverse health consequences or death, which could occur if these commodities are consumed raw. Therefore, FDA concludes it is not reasonably necessary to subject produce that is “rarely consumed raw” to the requirements under the Produce Safety Rule.

While exempt from the Produce Safety Rule, produce that is “rarely consumed raw” is and will continue to be covered under the adulteration provisions and other applicable provisions of the Federal Food, Drug and Cosmetic (FD&C) Act, and any other applicable implementing regulations.

What Produce is Considered “Rarely Consumed Raw” by the Produce Safety Rule?

Produce on the following exhaustive list: Asparagus; beans, black; beans, great Northern; beans, kidney; beans, lima; beans, navy; beans, pinto; beets, garden (roots and tops); beets, sugar; cashews; cherries, sour; chickpeas; cocoa beans; coffee beans; collards; corn, sweet; cranberries; dates; dill (seeds and weed); eggplants; figs; ginger; hazelnuts; horseradish; lentils; okra; peanuts; pecans; peppermint; potatoes; pumpkins; squash, winter; sweet potatoes; and water chestnuts.

If produce is not included in the exhaustive list above, then it is considered “covered produce” by the Produce Safety Rule, unless an exemption applies¹.

How did FDA develop the “Rarely Consumed Raw” List?

The “rarely consumed raw” produce list was developed using survey data from the National Health and Nutrition Examination Survey/What We Eat in America (NHANES/WWEIA).

- NHANES/WWEIA is a national food survey conducted as a partnership between the U.S. Department of Health and Human Services (DHHS) and the U.S. Department of Agriculture (USDA).
- NHANES/WWEIA examines a nationally-representative sample of about 5,000 persons each year located across the country. The sample is selected to represent the U.S. population of all ages.

¹ See 21 CFR §112.2 for discussion on exemptions

- The dietary interview component of the NHANES/WWEIA survey incorporates two days' worth of 24-hour dietary intake data. This is the data that FDA analyzed when writing the Produce Safety Rule.
- In order for produce to be considered “rarely consumed raw”, consumption data had to be available from NHANES/WWEIA, and the consumption data had to show that:
 - Produce is consumed uncooked by less than 0.1% of the United States population;
 - Produce is consumed uncooked on less than 0.1% of eating occasions; and
 - Produce consumption (in any form – raw, processed, or other) was reported by at least 1% of weighted number of survey respondents.
- Certain limitations apply to the analysis of the NHANES data. For instance, consumption data were not available for some produce commodities. If consumption data were not available for a produce commodity, then FDA could not reliably determine if the commodity is “rarely consumed raw”.

Relevant Terms and Concepts from the Produce Safety Rule:

Produce means any fruit or vegetable (including mixes of intact fruits and vegetables) and includes mushrooms, sprouts (irrespective of seed source), peanuts, tree nuts, and herbs.

- A fruit is the edible reproductive body of a seed plant or tree nut (such as apple, orange, and almond) such that fruit means the harvestable or harvested part of a plant developed from a flower.
- A vegetable is the edible part of an herbaceous plant (such as cabbage or potato) or fleshy fruiting body of a fungus (such as white button or shiitake) grown for an edible part such that vegetable means the harvestable or harvested part of any plant or fungus whose fruit, fleshy fruiting bodies, seeds, roots, tubers, bulbs, stems, leaves, or flower parts are used as food and includes mushrooms, sprouts, and herbs (such as basil or cilantro).

Produce does not include “food grains,” meaning the small, hard fruits or seeds of arable crops, or the crops bearing these fruits or seeds, that are primarily grown and processed for use as meal, flour, baked goods, cereals and oils rather than for direct consumption as small, hard fruits or seeds (including cereal grains, pseudo cereals, oilseeds and other plants used in the same fashion).

- Examples of food grains include barley, dent- or flint-corn, sorghum, oats, rice, rye, wheat, amaranth, quinoa, buckwheat, and oilseeds (e.g., cotton seed, flax seed, rapeseed, soybean, and sunflower seed).

For more information:

- *Food That Is Covered and That Is Not Covered (§§ 112.1 and 112.2, and Definition of “Produce” in § 112.3(c)). 80 FR 74384 – 74391.* <https://www.gpo.gov/fdsys/pkg/FR-2015-11-27/pdf/2015-28159.pdf>
- ProduceSafetyNetwork@fda.hhs.gov
- *What We Eat in America.* <https://www.ars.usda.gov/northeast-area/beltsville-md/beltsville-human-nutrition-research-center/food-surveys-research-group/docs/wweianhanes-overview/>

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The FDA, an agency within the U.S. Department of Health and Human Services, protects the public health by assuring the safety, effectiveness, and security of human and veterinary drugs, vaccines and other biological products for human use, and medical devices. The agency also is responsible for the safety and security of our nation’s food supply, cosmetics, dietary supplements, and products that give off electronic radiation, and for regulating tobacco products.

FDA FACT SHEET

EQUIVALENT TESTING METHODOLOGIES FOR AGRICULTURAL WATER

FDA has determined that the following methods are “scientifically valid” and “at least equivalent to the method of analysis in § 112.151(a) in accuracy, precision, and sensitivity”¹:

1. [Method 1103.1](#) - *Escherichia coli* (*E. coli*) in Water by Membrane Filtration Using membrane-Thermotolerant *Escherichia coli* Agar (mTEC) (March 2010). U.S. Environmental Protection Agency. EPA-821-R-10-002.
2. [Method 1604](#) – Total Coliforms and *Escherichia coli* in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium) (September 2002). U.S. Environmental Protection Agency. EPA-821-R-02-024.
3. 9213 D – Natural Bathing Beaches (2007). *In*: Standard Methods for the Examination of Water and Wastewater, 22nd Edition (Rice E.W., et al., Ed.), 9-46 – 9-48. Washington, DC: American Public Health Association. (2012).
4. 9222 B – Standard Total Coliform Membrane Filter Procedure (1997), followed by 9222 G – MF Partition Procedures (1997) using NA-MUG media. *In*: Standard Methods for the Examination of Water and Wastewater, 21st Edition (Eaton A.D., et al., Ed.), 9-60 – 9-65, and 9-70 – 9-71, respectively. Washington, DC: American Public Health Association. (2005).

¹ 21 CFR § 112.151(b)(1).

5. D 5392-93 – Standard Test Method for Isolation and Enumeration of *Escherichia coli* in Water by the Two-Step Membrane Filter Procedure. *In*: Annual Book of ASTM Standards, Volume 11.02. ASTM International. (1996, 1999, 2000).
6. [Hach Method 10029 for Coliforms – Total and *E. coli*](#), using m-ColiBlue24[®] Broth PourRite Ampules.
7. [IDEXX Colilert[®] Test Kit](#), but only if using IDEXX Quanti-Tray/2000 for quantification.
8. [IDEXX Colilert-18[®] Test Kit](#), but only if using IDEXX Quanti-Tray/2000 for quantification.

For more information:

- [FSMA Final Rule on Produce Safety](#)

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The FDA, an agency within the U.S. Department of Health and Human Services, protects the public health by assuring the safety, effectiveness, and security of human and veterinary drugs, vaccines and other biological products for human use, and medical devices. The agency also is responsible for the safety and security of our nation's food supply, cosmetics, dietary supplements, and products that give off electronic radiation, and for regulating tobacco products.