

Tuesday Morning, February 6, 2018

<p>High Tunnels</p>	<p>Direct Marketing/Agritourism</p>	<p>Vine Crops</p>	<p>Farm Brewery Crops I</p>	<p>Gazing into the Crystal Ball - New Technologies in Ag</p>
<p>Wildwood 1</p>	<p>Wildwood 2&3</p>	<p>Wildwood 4&5</p>	<p>Wildwood 6&7</p>	<p>Wildwood 8&9</p>
<p>A.J. Both Extension Specialist in Ag Engineering, RCE</p>	<p>Bill Hlubik Middlesex County Ag Agent, RCE</p>	<p>Michelle Infante-Casella Gloucester County Ag Agent, RCE</p>	<p>Bill Bamka Burlington County Ag Agent, RCE</p>	<p>Rick VanVranken Atlantic County Ag Agent</p>
<p>9:30 - High Tunnel Crop Production in Delaware -- Gordon Johnson, Professor and Fruit and Vegetable Extension Specialist, University of Delaware</p>	<p>9:30 - Communicating Food Safety Issues to Your Advantage -- Meredith Melendez, Mercer County Ag Agent, RCE</p>	<p>9:30 - Identifying Insects Pests in Cucurbit Crops -- Michelle Infante-Casella, Gloucester County Ag Agent, RCE</p>	<p>9:30 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p>	<p>9:30 - Robots in the Field - Automation from Seedling Production Through Harvesting -- Rick VanVranken, Atlantic Agriculture Agent, RCE</p>
<p>10:00 - High Tunnel Crop Production in Maine -- Mark Hutton, Extension Specialist & Professor of Vegetable Crops, University of Maine</p>	<p>10:00 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p>	<p>10:00 - Update on Herbicides and Restrictions in Vine Crops --Thierry Besancon, Specialist in Weed Science, RCE</p>	<p>9:45 - Thinking of Growing Crops for Craft Brewing - Some Considerations for Farmers -- William Bamka, Burlington County Ag Agent, RCE</p>	<p>10:00 - Big Data from Small Packages -- Adam Wolf, CEO Arable Labs, Inc.</p>
<p>10:30 - High Tunnel Production Systems -- Mike Marett, Co-owner, Rimol Greenhouse Systems</p>	<p>10:15 - Integrating Farm and Community -- Gary Mount, Terhune Orchards</p>	<p>10:30 - Recent Watermelon Research on the Eastern Shore of Delaware -- Gordon Johnson, Fruit and Vegetable Extension Specialist, University of Delaware</p>	<p>10:15 - NJ Alcohol Beverage Control Requirements Impacting Farm Based Beverages Speaker TBA, State of NJ- Alcoholic Beverage Control</p>	<p>10:30 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p>
<p>11:00 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p>	<p>11:15 - Planning for Successful Large Events on Your Farm Tim VonThun, VonThun Farms</p>	<p>11:00 - New Developments in Managing Powdery and Downy Mildews in Cucurbits -- Margaret McGrath, Vegetable Pathologist, Cornell University</p>	<p>10:45 - The Reality of Malting Barley in New Jersey -- Hillary Barile, Owner, Rabbit Hill Malt</p>	<p>10:45 - Sub-Surface Drip Irrigation for NJ Crops -- Fred Tichy, Irrigation Sales and Business Manager, Farm-Rite</p>
<p>11:15 - High Tunnel production in Pennsylvania -- Kathy Demchak, Senior Extension Associate, Penn State University</p>	<p>11:45 – Questions, Comments and No Re-certification Credits CCA Credits: PD=2.0</p>	<p>11:30 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p>	<p>11:15 - NJ Hops Quality - What We Know from Rutgers Research -- Megan Muehlbauer, Hunterdon County Ag Agent, RCE</p>	<p>11:15 - Home Meal Delivery - How Can NJ Farmers Participate in This Growing New Market? -- Alison Grantham, Ph.D. Director, Food Systems Strategy & Sustainability Blue Apron</p>
<p>11:45 – Questions, Comments and Re-certification Credits 1A=03, PP2=03, 10=03 CCA Credits: CM=1.5</p>		<p>11:45 – Questions, Comments and Re-certification Credits 1A=04, PP2=04, 10=03, Core=01 CCA Credits: None</p>	<p>11:45 – Questions, Comments and Re-certification Credits 1A=02, PP2=02, 10=01 CCA Credits: CM=2.0</p>	<p>11:45 - Questions, Comments and Re-certification Credits 1A=03, 10=03 CCA Credits: CM=1.5</p>

12:00 to 1:30 **Farmers Market Nutrition Program Mandatory Vendor Training**, Dorothy Ngumezi & Jose Quann, NJDOH and Bill Walker, NJDA **Wildwood 12&13**

Tuesday Afternoon, February 6, 2018

<p>Soil Health Management Wildwood 1</p>	<p>Ethnic/Specialty Crops Wildwood 2&3</p>	<p>Tomato Wildwood 4&5</p>	<p>Farm Brewery Crops II Wildwood 6&7</p>	<p>Post-Harvest Wildwood 8&9</p>
<p>Michelle Infante-Casella Gloucester County Ag Agent, RCE</p> <p>2:15 - Production Management with Cover Crops for Healthy Soils -- Jason Challandes, Regional Sustainable Ag Educator, Delaware State University</p> <p>2:45 - Utilizing Cover Crops for Soil Disease Suppression -- Kate Everts, Plant Pathologist, University of Delaware</p> <p>3:15 – Bio-fumigation and Reduced Tillage for Managing Phytophthora and Other Soil-borne Pathogens -- Margaret McGrath, Vegetable Pathologist, Cornell University</p> <p>3:45 - Physical and Chemical Components of Healthy Soils -- Michelle Infante-Casella, Gloucester County Ag Agent, RCE</p> <p>4:15 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>4:30 – Questions, Comments and Re-certification Credits 1A=04, PP2=04, 10=03 CCA Credits: NM=1.0, PM=1.0</p>	<p>Bill Sciarappa Monmouth County Ag Agent, RCE</p> <p>2:15 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>2:30 - Specialty Crops on the World Wide Web -- Rick VanVranken, Atlantic County Ag Agent, RCE</p> <p>3:00 - Hispanic Specialties for Ethnic Markets -- Frank Mangan, Specialty Vegetable Crops, University of Massachusetts</p> <p>3:30 - Rutgers Specialty Pumpkin Habanero Pepper -- Albert Ayeni, Department of Plant Biology, Rutgers</p> <p>4:00 - Disease Resistant Basil and Disease Management -- Jim Simon, Department of Plant Biology, Rutgers -- Andy Wyenandt, Extension Specialist in Vegetable Pathologist Extension, RCE</p> <p>4:30 – Questions, Comments and Re-certification Credits 1A=03, PP2=03, 10=03 CCA Credits: CM=0.5</p>	<p>Tom Orton Prof. of Vegetable Breeding, Rutgers</p> <p>2:15 - Results and Recommendations from the PSU Lancaster County Fresh Market Tomato Variety Trials Program -- Tim Elkner, Horticulture Educator, Penn State Extension, Lancaster County, Pa.</p> <p>2:45 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>3:00 - Review of Tomato Diseases and the Successes of Management Strategies for the 2018 Season -- Andy Wyenandt, Extension Specialist in Vegetable Pathology, RCE</p> <p>3:30 - Update on the Use of Grafted Tomato Transplants for Root Disease Resistance and Improved Plant Quality -- Robert Muth, Muth Family Farm, Owner, NJ Vegetable Grower</p> <p>4:00 - Breeding and Release of Specialty Grape and Pear Tomatoes with Novel Color, Fruit Firmness, and High Flavor -- Pete Nitzsche, Morris County Ag Agent, RCE</p> <p>4:30 – Questions, Comments and Re-certification Credits 1A=04, PP2=04, 10=03 CCA Credits: None</p>	<p>Steve Komar Sussex County Ag Agent, RCE</p> <p>2:15 - Barley Malting Quality Considerations for the Brewing Industry -- Paul Schwarz, Director Food Safety Program, North Dakota State University</p> <p>3:00 - Production Practices for Growing Quality Malting Barley -- Richard Horsley, Malting Barley Breeder, North Dakota State University</p> <p>3:45 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>4:00 - 2017 Spring Malting Barley Research Trial -- Stephen Komar, Sussex County Ag Agent, RCE</p> <p>4:30 – Questions, Comments and Re-certification Credits 1A=03, PP2=03, 10=02 CCA Credits: CM=1.5</p>	<p>Wes Kline Cumberland County Ag Agent, RCE</p> <p>2:15 – Understanding and Identifying <i>Listeria Monocytogenes</i> Risk Factors in Produce Packinghouses -- Laura Strawn, Produce Safety Lab – Eastern Shore AREC, Virginia Tech -- Wesley Kline, Cumberland County Ag Agent, RCE</p> <p>3:00 - Postharvest Sanitation, Case Studies of What's Gone Wrong -- Meredith Melendez, Mercer County Ag Agent, RCE</p> <p>3:30 – Sanitary Design and Proper Layout for a Packinghouse -- Steve Sargent, Professor, University of Florida</p> <p>4:30 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>4:45 - Questions, Comments and Re-certification Credits 1A=03, PP2=03, 10=01 CCA Credits: CM=2.0</p>

5:00 pm - **Trade Show Area - Wholesale Produce Buyers Panel Discussion** moderated by **Tom Beaver**, Director, Div. Marketing & Development, NJDA. Panelists include: **Mikey Azzara**, Zone 7; **Derrick Jenkins**, Wakefern/ShopRite; **F. Scott Fein**, Robinson Fresh; **Alison Grantham**, Blue Apron; **Ron Dandrea**, Dandrea Produce.

Wednesday Morning, February 7, 2018

<p>Small Fruit/Strawberry Wildwood 1</p>	<p>Farm Equipment/ Pesticide Safety Wildwood 2&3</p>	<p>IPM Issues Wildwood 4&5</p>	<p>Wine Grapes Wildwood 6&7</p>	<p>Peppers Wildwood 8&9</p>
<p>Peter Nitzsche Morris County Ag Agent RCE</p> <p>9:30 - An Update on Small Fruit Diseases -- Andy Wyenandt, Specialist in Vegetable Pathology Rutgers, RCE</p> <p>10:00 - Organic Strawberry Production and Marketing at Gorman Farm -- David Liker, Owner of Gorman Farm</p> <p>10:30 - Extending Strawberry Season using Day-Neutral Varieties and Low Tunnels -- Kaitlyn Orde, Graduate Student, University of New Hampshire</p> <p>11:00 - Four years of Managing Spotted Wing Drosophila Using Exclusion Netting -- Dale-Ila Riggs, Owner of The Berry Patch</p> <p>11:30 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>11:45 – Questions, Comments and Re-certification Credits 1A=04, PP2=04, 10=03 CCA Credits: CM=2.0</p>	<p>Ray Samulis Retired Burlington County Ag Agent, RCE</p> <p>9:30 - Keeping Your Agri-entertainment Farm Safe -- Bill Bamka, Burlington County Ag Agent, RCE</p> <p>10:00 - Protecting Yourself Using Chain Saws -- Nick Polanin, Somerset County Ag Agent, RCE</p> <p>10:30 - Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>10:45 - Cancer Risk and Agriculture -- Mark Robson, Distinguished Professor Rutgers University</p> <p>11:15 - Pesticide Sprayer Safety-Avoiding Hazards -- Ray Samulis, Professor Emeritus Rutgers University, Retired Burlington County Ag Agent, RCE</p> <p>11:30 – Questions, Comments and Re-certification Credits 1A=01, PP2=01, Core=02 CCA Credits: PM=2.0</p>	<p>Mahar/ Holmstrom Rutgers Vegetable IPM Program</p> <p>9:30 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>9:45 - Allium Leaf-miner in Pennsylvania -- Tim Elkner, Penn State Cooperative Extension, Lancaster County, PA</p> <p>10:15 - Allium Leaf-miner in New Jersey -- Kris Holmstrom, Rutgers Vegetable IPM Program</p> <p>10:45 - Sweet Corn Trials Comparing non-Bt, Bt, and Stacked Bt Corn varieties -- Kris Holmstrom and Joe Ingerson-Mahar, Rutgers Vegetable IPM Program</p> <p>11:15 - Pepper Weevil, a Continuing Problem -- Joe Ingerson-Mahar, Rutgers Vegetable IPM Program</p> <p>11:45 – Questions, Comments and Re-certification Credits 1A=04, PP2=04, 9=02, 10=01 CCA Credits: PM=2.0</p>	<p>Hemant Gohil Gloucester County Ag Agent, RCE</p> <p>9:30 - Should You Be Growing Grapes? -- Gary Pavlis, Atlantic County Ag Agent, RCE</p> <p>10:00 - Vineyard Establishment -- Daniel Ward, Extension Specialist in Pomology, RCE</p> <p>10:20 - What Should You Grow? Grape variety selection -- Joseph Fiola, Small Fruit Specialist, University. of Maryland</p> <p>10:50 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>11:05 - Weed Management During the Vineyard Establishment -- Thierry Besancon, Extension Specialist in Weed Science, RCE</p> <p>11:35 - Avoiding Costly Mistakes During the Early Years -- Hemant Gohil, Gloucester Ag Agent, RCE</p> <p>11:55 - Case Study - What Worked and What Didn't -- Bill Heritage, William Heritage Vineyards, Owner</p> <p>12:25 – Questions, Comments and Re-certification Credits 1A=04, PP2=04 CCA Credits: CM=2.0</p>	<p>Andy Wyenandt Extension Specialist in Vegetable Pathology, RCE</p> <p>9:30 - Update on X10R and Phytophthora Tolerant Bell Pepper Varieties for Use in NJ -- Wesley Kline, Cumberland County Ag Agent, RCE</p> <p>10:00 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>10:15 - Controlling Important Pepper Diseases -- Andy Wyenandt, Extension Specialist in Vegetable Pathology, RCE</p> <p>10:45 - 2017 Exotic Pepper Research and Development Updates -- Albert Ayeni, Professor, Rutgers University</p> <p>11:15 - Ultra-Niche Specialty Pepper Video Followed by Q & A -- Steve Specca, Manager of Specca Farms</p> <p>11:45 – Questions, Comments and Re-certification Credits 1A=04, PP2=04, 10=02 CCA Credits: CM=2.0</p>

12:00 to 1:30 **Farmers Market Nutrition Program Mandatory Vendor Training**, Dorothy Ngumezi & Jose Quann, NJDOH and Bill Walker, NJDA **Wildwood 12&13**

Wednesday Afternoon, February 7, 2018

NJDA/VGA Joint Session on Farm Labor 1:30-2:30 in **Wildwood 28** (enter through Wildwood 11)

Craig Regelbrugge, Senior Vice President of Industry Advocacy & Research at AmericanHort

<p>Food Safety Wildwood 1</p>	<p>Alternative Crops Wildwood 2&3</p>	<p>Farm Viability Programs Wildwood 4&5</p>	<p>Organic Agriculture Wildwood 6&7</p>	<p>Blueberries Wildwood 8&9</p>
<p>Meredith Melendez Mercer County Ag Agent, RCE</p> <p>2:45 – <i>Listeria monocytogenes</i>: Intervention and Control through Process Management -- Laura Strawn, Virginia Tech</p> <p>3:45 – Choosing Sanitizers for Product Contact Surfaces -- Meredith Melendez, Mercer County Ag Agent, RCE</p> <p>4:15 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>4:30 – FSMA Produce Safety Rule: Timeline, Inspections, Changes and Resources -- Wesley Kline, Cumberland County Ag Agent, RCE</p> <p>5:15 – Questions, Comments and Re-certification credits 1A=01, PP2=01, 8A=02 CCA Credits: None</p>	<p>Jenny Carleo Cape May County Ag Agent, RCE</p> <p>2:45 - Caring for Figs -- Bill Muzychko, Bill's Figs, NJ Grower</p> <p>3:15 - Hazelnuts for Commercial Production in New Jersey -- Megan Muehlbauer, Hunterdon County Ag Agent, RCE</p> <p>3:45 - Small Scale Commercial Oyster Mushroom Cultivation Indoors and in Greenhouses -- Tradd Cotter, Owner Mushroom Mountain</p> <p>4:15 - Growing Pains - How to Choose What Crops to Grow -- Jenny Carleo, Cape May County Ag Agent, RCE</p> <p>4:45 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>5:00 – Questions, Comments and Re-certification Credits 1A=04, PP2=04 CCA Credits: CM=1.5, PD=0.5</p>	<p>Brian Schilling Extension Specialist in Ag Policy</p> <p>2:45 - NJ Farmland Preservation: The Opportunities and Challenges of Ownership Succession -- Brian Schilling, Extension Specialist in Ag Policy, RCE</p> <p>3:15 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>3:30 - Conservation and Viability Programs for New Jersey Farms and Farmers -- Jeffrey Everett, State Agriculture Development Committee</p> <p>4:00 - Rutgers Food Innovation Center – Global Outreach and Local Impacts to NJ Farms -- Lou Cooperhouse, Director, Rutgers Food Innovation Center</p> <p>4:30 - Listening Session – Producer Views On Conservation and Viability Programming -- Brian Schilling, Extension Specialist in Ag Policy, RCE</p> <p>5:00 – Questions, Comments and No Re-certification Credits CCA Credits: SSP=2.0</p>	<p>Joe Heckman Extension Specialist in Soil Fertility, RCE</p> <p>2:45 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical 3:00 - Soil Health -- Erin Silva, Department of Plant Pathology, University Wisconsin-Madison</p> <p>3:30 - Biopesticides for Managing Disease in Vegetables -- Margaret McGrath, Vegetable Pathologist, Cornell University</p> <p>4:00 - Grow and Process Value-Added Grains -- Elizabeth Dyck, Organic Growers Research and Information-Sharing Network</p> <p>4:30 - Non-Chemical Weed Control for Organic Systems -- Thierry Besancon, Extension Specialist in Weed Science, RCE</p> <p>5:00 – Questions, Comments and Re-certification Credits 1A=04, PP2=04, 10=03 CCA Credits: SW=0.5, PM=1.0, CM=0.5</p>	<p>Gary Pavlis Atlantic County Ag Agent, RCE</p> <p>2:45 - Draper Drop -- Eric Gerbrandt, Sky Blue Horticulture Ltd., B.C. Canada</p> <p>3:15 - IR-4 Label Limitations and Expectations -- Jerry Baron, Executive Director, IR-4 Project</p> <p>3:35 Progress Towards SWD Management in Blueberries -- Cesar Rodriguez-Saona, Blueberry/Cranberry Entomologist, RCE</p> <p>3:55 – Information from Our Exhibitors -- Wayne Knerr, Helena Chemical</p> <p>4:10 Microbial Communities in Blueberry Soils -- Jim Polashock, ARS-USDA Research Plant Pathologist</p> <p>4:30 The Problem with Bees Dean Polk, IPM Coordinator, RCE</p> <p>5:00 – Questions, Comments and Re-certification Credits 1A=03, PP2=03, Core=01 CCA Credits: SW=0.5, PM=0.5, CM=0.5, SSP=0.5</p>

5:30 – **Agricultural Ambassadors Reception**

7:00 – **Joint Agricultural Convention Dinner Banquet**

Avalon Ballroom Pre-function Area

Avalon Ballroom

Thursday, February 8, 2018

**Food Safety Modernization Act (FSMA)
Produce Rule Training**

Starting at 9 am and continuing to 4.30 pm (lunch on your own)

Wildwood 2&3

Wes Kline

Cumberland County Ag Agent, RCE

Meredith Melendez

Mercer County Ag Agent, RCE

This training is designed to fulfill the requirements from the Food and Drug Administration (FDA) that at least one person from each farm needing to comply with FSMA, receives a standardized curriculum recognized by the FDA.

Topics covered:

- Introduction to Produce Safety
- Worker Health, Hygiene, and Training
- Soil Amendments
- Wildlife, Domesticated Animals, and Land Use
- Agricultural Water
- Postharvest Handling & Sanitation
- How to Develop a Farm Food Safety Plan?

Each attendee will receive a grower manual and be eligible for a certificate from the Association of Food and Drug Officials of the United States (AFDO).

Note: Each participant must stay for the whole training to be eligible for a certificate of training.

The cost is \$35.00/person, separate from the Registration to the Vegetable Growers Convention. For more information, contact Tammy Commander at (856) 451-2800, ext 1 or email commander@njaes.rutgers.edu.

To register go to Eventbrite: <https://rutgersfarmfoodsafety.eventbrite.com>.

This training is partly funded through grants from The United States Department of Agriculture and the Food and Drug Administration.

4:30 – Questions and Comments
No Credits

Fumigation Workshop

9 am to 4:30 pm

Wildwood 4&5

Rick VanVranken, Atlantic County Ag Agent, RCE

David Bachinsky, Crop Production Services

9:00 - Introduction to Workshop & Presenters - the EPA Soil Fumigant Training & Certification Program

-- **Mike Herrington**, High Value Crop Specialist, Amvac Chemical

-- **Ben Soistman**, NE Territory Representative, Amvac Chemical

Pre-registration is needed. To register: email Mel Henninger at mhenn@scarletmail.rutgers.edu or sign-up at speaker registration on Tuesday

- 9:15 - Overview & Introduction to Fumigating
 - Chemistry of Metam Fumigants
 - Handling & Logistics
 - Application Equipment
 - PPE & GAP's
 - Research Data & Pests Controlled

EPA Soil Fumigant Training & Certification Program

9:30 - Module 1 - Soil Fumigants & How The Work; Hazards, First Aid & Safety; Understanding the Role of Applicator & Handler

10:00 – Testing of Module 1 Test

10:30 - Module 2 - How to Protect Handlers & Bystanders; Emergency Response Plans & Emergency Preparedness & Response Measures

11:15 – Testing of Module 2 Test

11:45 LUNCH BREAK

12:45 – Module 3 - The Fumigation Management Plan; How to Recognize Unfavorable Application Conditions

1:30 – Testing of Module 3 Test

2:00 – Module 4 - Buffer Zones & How to Determine Buffer Zone Distances; Application Rates & How to Determine Broadcast Equivalent Rates

2:45 – Testing of Module 4 Test

3:00 – Break

3:15 - Module 8 - Metam Fumigants

4:00 – Testing of Module 8 Test

4:30 - Retesting for those who did not pass or Class Ends with Questions, Comments and Re-certification Credits 1A=07, 7C=07, Core=07

CCA Credits: PM=7.0

Sprayer Technology Workshop

9 am to noon

Wildwood 6&7

John Grande

Director of the Snyder Research & Extension Farm, NJAES

-- **Curtis McKittrick** and -- **Geoffrey Slifer**, Both are Research Technicians – Snyder Research and Extension Farm – NJAES

This training session addresses factors involved in applying pesticides to maximize performance while addressing practical day-to-day issues faced by pesticide applicators.

Basic calibration will be covered along with nozzle design as it relates to pesticide performance. Environmental risk factors related to pesticide application including wind drift mitigation of spray droplets will be covered.

An overview of basic pesticide mode of action and how it relates to spray application parameters will be discussed.

In a workshop environment small sprayers will be demonstrated incorporating various nozzle designs allowing participants better understand nozzle characteristics.

Pesticide sprayer maintenance procedures as part of an overall pesticide application program will be discussed as part of an on farm overall pesticide application.

Questions, Comments and Re-certification Credits
PP2=06, 10=03, Core=06
CCA Credits: PM=3.0