

2022 NJ Agricultural Convention and Trade Show ie NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Tuesday Morning, February 8, 2022

9:15 am – 11:30 am

| <p style="text-align: center;">Agronomy Wildwood 2-3 Steve Komar and William Bamka <i>RCE Agricultural Agents, Sussex and Burlington</i></p> <p>9:15 am What's New From Industry</p> <p>9:30 am Warm-Season Grasses for Hay Production? Hank Bignell Rutgers Cooperative Extension</p> <p>10:00 am A Review of the 2021 Hemp Season: The Future of Hemp in NJ Bill Bamka Rutgers Cooperative Extension</p> <p>10:30 am Alternative Small Grains for New Jersey: An Overview of 2021 Research Trials Stephen Komar Rutgers Cooperative extension</p> <p>11:00 am Panel Discussion A Needs Assessment of Field and Forage Crop Programming in NJ Stephen Komar and Bill Bamka Rutgers Cooperative Extension</p> <p>11:30 am Questions & Recertification Credits</p> | <p style="text-align: center;">Wine Grapes Wildwood 4-5 Hemant Gohil <i>RCE Agricultural Agent, Gloucester</i></p> <p>9:15 am Management and Behavior of SLF in NJ Wine Grapes Anne Nielsen RCE Specialist In Entomology</p> <p>9:45 am What's New From Industry</p> <p>10:00 am Grapevine Trunk Diseases and Their Management Leslie Holland Extension Specialist Uni. of Wisconsin</p> <p>10:30 am Weed Management for Organic Vineyards Thierry Besancon RCE Specialist In Weed Science</p> <p>11:00 am Best Practices for Vineyard Nitrogen Management Joseph Heckman RCE Specialist In Soil Fertility</p> <p>11:30 am Questions & Recertification Credits</p> | <p style="text-align: center;">Organic Production Wildwood 6-7 Megan Muehlbauer <i>RCE Agricultural Agent, Hunterdon</i></p> <p>9:15 am Alternative Weed Management Strategies 101 Kate Brown RCE Program Associate</p> <p>9:45 am Efficacy of Herbicides labeled for Organic Production on Specialty Crop Priority Weed Species Meredith Melendez RCE Mercer Ag Agent</p> <p>10:15 am What's New From Industry</p> <p>10:30 am Organic vs. Conventional Soil Quality in High Tunnels Elsa Sanchez Penn State University Professor of Horticultural Systems Management</p> <p>11:00 am Organic Livestock Production Hank Bignell RCE Senior Program Coordinator</p> <p>11:30 am Questions & Recertification Credits</p> | <p style="text-align: center;">Nursery I Wildwood 8-9 William Errickson <i>RCE Agricultural Agent, Monmouth</i></p> <p>9:15 am Native Plants for the NJ Landscape William Errickson RCE Agricultural Agent, Monmouth</p> <p>9:45 am Building More Sustainable Landscape Designs with Grasses and Sedges Brian Oleksak Assoc Professor, Landscape and Hort. Tech, County College of Morris</p> <p>10:15 am Managing Emerging Invasive Species and Native Alternatives Michele Bakacs RCE Natural Resources Agent, Middlesex</p> <p>10:45 am Plant Phenology Indicators for Scouting and Controlling Insects Steve Rettke RCE Program Associate in Nursery IPM</p> <p>11:15 am What's New From Industry</p> <p>11:30 am Questions & Recertification Credits</p> |
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Tuesday Mid-day, February 8, 2022

12:00 noon – 2:15 pm

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| | <p>Gazing in the Crystal Ball– Future of NJ Agriculture I Wildwood 4-5 Rick VanVranken <i>RCE Agricultural Agent, Atlantic</i></p> <p>12:00 noon Automating Agriculture with AI (Artificial Intelligence) Brent Shedd <i>CEO, Stout AgTech Salinas, CA</i></p> <p>12:30 pm What's New From Industry</p> <p>12:45 pm Partnering with the NJ Dept of Health to Keep Your Employees Healthy During the Pandemic Omolola Taiwo <i>Exec Director, Office of Primary Care and Rural Health, NJ Dept of Health</i></p> <p>1:15 pm Consumer Perceptions of New Biotechnology Labels Cara L. Cuite <i>RCE Specialist in Human Ecology</i></p> <p>1:45 pm Pesticide Safety & Compliance Tools for Applicators Pat Hastings <i>Rutgers Pesticide Safety Education Program (PCEP) Coordinator</i></p> <p>2:15 pm Questions & Recertification Credits</p> | <p>General Vegetables I Wildwood 6-7 Andy Wyenandt <i>RCE Specialist in Vegetable Pathology</i></p> <p>12:00 noon Vegetable Disease Control Andy Wyenandt <i>RCE Specialist in Vegetable Pathology</i></p> <p>12:30 pm Update on the Rutgers Basil Breeding Program Lara Brindisi <i>Graduate Student, Rutgers Plant Biology</i></p> <p>1:00 pm Understanding Bacterial Leaf Spot Populations and Copper Resistance Development in NJ Radhika Patel <i>Graduate Student, Rutgers Plant Biology</i></p> <p>1:30 pm What's New From Industry</p> <p>1:45 pm X10R Bell Pepper Varieties for NJ Wesley Kline <i>RCE Cumberland Ag Agent</i></p> <p>2:15 pm Questions & Recertification Credits</p> | |
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Tuesday Workshop

Wildwood 12-13

12:00 noon - 1:30 pm

Farmers Market Nutrition Program (FMNP) Vendor Training

NJ Dept. of Health and NJ Dept. of Agriculture Representatives

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Tuesday Afternoon, February 8, 2022
2:45 pm – 5:00 pm

| <p>Soil Health Wildwood 2-3 Michelle Infante-Casella <i>RCE Agricultural Agent, Gloucester</i></p> <p>2:45 pm What's New From Industry</p> <p>3:00 pm Using Animal Manure & Compost for Soil Fertility in Crops Stephen Komar <i>RCE, Sussex Ag Agent</i></p> <p>3:30 pm Using Cover Crops as a Weed Management Strategy William Bamka <i>RCE, Burlington Ag Agent</i></p> <p>4:00 pm Using Cover Crops for Water Quality Protection and Nutrient Retention Michelle Infante-Casella <i>RCE, Gloucester Ag Agent</i></p> <p>4:30 pm Building Soil Fertility and Soil Health with "Community Supported Soil Fertility" Joe Heckman <i>RCE Specialist in Soil Fertility, Rutgers NJAES</i></p> <p>5:00 pm Questions & Recertification Credits</p> | <p>Agrivoltaics Wildwood 4-5 A.J. Both <i>RCE Specialist in Ag Engineering</i></p> <p>2:45 pm What is Agrivoltaics? A.J. Both <i>RCE Specialist in Bioresource Engineering</i></p> <p>3:15 pm Agrivoltaic System Performance Dunbar Birnie <i>Professor of Material Science/Engineering Rutgers University</i></p> <p>3:45 pm What's New From Industry</p> <p>4:00 pm Agrivoltaics at Rutgers and Other NJ Stakeholders David Specca <i>Assistant Director NJ Ecocomplex</i></p> <p>4:30 pm Preliminary Review of the Economics of Agrivoltaics Kevin Sullivan <i>Assistant Director of Statistical Analysis Rutgers University</i></p> <p>5:00 pm Questions & Recertification Credits</p> | <p>General Vegetables II Wildwood 6-7 Robin Brumfield <i>RCE Specialist in Farm Management</i></p> <p>2:45 pm Turning Those New Customers into Permanent Customers Bridget Behe <i>Professor of Horticulture Michigan State U</i></p> <p>3:15 pm How PACA Helps Insure I Get Paid When My Customer Declares Bankruptcy Robert Brennan <i>Federal Investigator, USDA Ag Marketing Serv</i></p> <p>3:45 pm Managing My Farm Through the Pandemic Ashley Reese <i>Sales Manager, Eastmont Orchards, Colts Neck, NJ</i></p> <p>4:15 pm What's New From Industry</p> <p>4:30 pm Vegetable Pest Management Update Thomas Kuhar <i>Professor of Entomology Virginia Tech</i></p> <p>5:00 pm Questions & Recertification Credits</p> | <p>Nursery II Wildwood 8-9 Timothy Waller <i>RCE Agricultural Agent, Cumberland</i></p> <p>2:45 pm Managing Red-headed Flea Beetle Larvae and Adults Danny Lauderdale <i>(1-hour session) NC Cooperative Extension Area Specialized Agent-Commercial Ornamental Nursery and Greenhouse</i></p> <p>3:45 pm Diagnostic Tips for the Nursery and Landscape Rich Buckley <i>Rutgers Plant Diagnostic Laboratory, NJAES</i></p> <p>4:15 pm Detection and Management of Phytophthora in Conifers Timothy Waller <i>RCE, Cumberland Ag Agent – Nursery Crops</i></p> <p>4:45 pm What's New From Industry</p> <p>5:00 pm Questions & Recertification Credits</p> |
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2022 NJ Agricultural Convention and Trade Show ie NJ Vegetable Growers Meeting
At Harrah's Resort Hotel Convention Center, Atlantic City, New Jersey

Wednesday Morning, February 9, 2022

9:15 am – 11:30 am

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| <p>Blueberry Wildwood 2-3 Gary Pavlis <i>RCE Agricultural Agent, Atlantic</i></p> <p>9:15 am What's New From Industry</p> <p>9:30 am Three diseases... Three Strategies. Peter Oudemans, <i>RCE Specialist in Small Fruit Pathology</i></p> <p>10:00 am A Multi-stage Approach to Manage Plum Curculio. Cesar Rodriguez-Saona <i>RCE Specialist in Small Fruit Entomology</i></p> <p>10:30 am What We Know About Honeybee Health During Blueberry Pollination Dean Polk <i>RCE Fruit IPM Agricultural Agent</i></p> <p>11:00 am Advances in Blueberry 'Omics' Jim Polashock <i>Plant Pathologist, USDA-ARS</i></p> <p>11:30 am Cultivation Methods for Container Grown Blueberries Bill Sciarappa <i>RCE Agriculture and Natural Resource Agent</i></p> <p>12:00 noon Questions & Recertification Credits</p> | <p>Small Fruit/Strawberry Wildwood 4-5 Pete Nitzsche <i>RCE Agricultural Agent, Morris</i></p> <p>9:15 am Rutgers NJAES Strawberry Development and Release Program Update and Tips for Production and Marketing Strawberries William Hlubik <i>RCE Agricultural Agent, Middlesex</i></p> <p>9:45 am What's New From Industry</p> <p>10:00 am Weed Management in Small Fruits Wayne Mitchem <i>Tree Fruit Weed Management Extension Associate NC State Extension</i></p> <p>10:30 am Growing and Marketing Blackberries in NJ Neil Pastore III <i>Owner, Pastore Orchards Winslow Township, NJ</i></p> <p>11:00 am An Introduction to Strawberry Flower Mapping Ed Durner <i>Rutgers Assoc Professor of Plant Bio</i></p> <p>11:30 am Questions & Recertification Credits</p> <p>DEMONSTRATION 11:30 am Strawberry Flower Mapping</p> | <p>Gazing in the Crystal Ball– Future of NJ Agriculture II Wildwood 6-7 Rick VanVranken <i>RCE Agricultural Agent, Atlantic</i></p> <p>9:15 am WTF is Regenerative Agriculture? Patrick Clark <i>Technical Product Development Manager at BioSafe Systems Newark, DE</i></p> <p>9:45 am Robots and Other New Tech Tools in the Field Lee Fiocchi III <i>Owner, Lee Rain Inc. Vineland, NJ</i></p> <p>10:15 am What's New From Industry</p> <p>10:30 am Plasma-Arc Seed Germination Enhancement and "Sprouts CIP" Mukund V. Karwe <i>Rutgers Distinguished Professor of Food Engineering</i></p> <p>11:00 am Automated Transplanting Systems Danielle Michaels <i>CEO, PlantTape Inc. Salinas, CA</i></p> <p>11:30 am Questions & Recertification Credits</p> |
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Wednesday Mid-day, February 9, 2022
12:00 noon – 2:15 pm

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| | <p>Weed Management Wildwood 4-5 Thierry Besançon <i>RCE Specialist in Weed Science</i></p> <p>12:00 noon Herbicides: History, Use, & Basic Terminology Lynn Sosnoskie <i>Cornell University</i></p> <p>12:30 pm Herbicide Modes of Action & Symptomology: The Photosynthesis Inhibitors Thierry Besançon <i>RCE Specialist in Weed Science</i></p> <p>1:00 pm What's New From Industry</p> <p>1:15 pm Herbicide Modes of Action & Symptomology: The Cell Division and PGRs Inhibitors Lynn Sosnoskie <i>Cornell University</i></p> <p>1:45 pm Herbicide Off-Target Movement & Carryover Thierry Besançon <i>RCE Specialist in Weed Science</i></p> <p>2:15 pm Questions & Recertification Credits</p> | <p>Specialty Crops Wildwood 6-7 William Sciarappa <i>RCE Agricultural Agent</i></p> <p>12:00 noon Roselle as a New Leafy Green Jim Simon <i>RCE Specialist in New Crops</i></p> <p>12:30 pm Breeding, Growing and Marketing RU Habanero Peppers Jim Simon Bill Sciarappa Trevor Styles <i>Undergrad Researcher</i> <i>Rutgers Plant Bio</i></p> <p>1:00 pm Growing and Evaluating Tropical/Summer Spinach Tori Rosen <i>Graduate Researcher</i> <i>Rutgers Plant Bio</i> Jim Simon</p> <p>1:30 pm What's New From Industry</p> <p>1:45 pm Hemp Management for CBD Production Raul Cabrera <i>RCE Specialist in Nursery Crops</i></p> <p>2:15 pm Questions & Recertification Credits</p> |
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Workshop
Wildwood 12-13
12:00 - 1:30 pm
Farmers Market Nutrition Program (FMNP) Vendor Training
NJ Dept. of Health and NJ Dept. of Agriculture Representatives

VGANJ/NJDA Joint Session
1:30 pm – 2:30 pm
Wildwood 28
NJDA's New Farmland Assessment Mapping Tool

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Wednesday Afternoon, February 9, 2022
2:45 pm – 5:00 pm

| <p>Food Safety Wildwood 2-3</p> | <p>Integrated Pest Management Wildwood 4-5</p> | <p>New Crops and Innovative Marketing Ideas Wildwood 6-7</p> |
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| <p>Meredith Melendez <i>RCE Agricultural Agent, Mercer</i></p> | <p>Kris Holmstrom & Joe Ingerson-Mahar <i>RCE Vegetable IPM Program</i></p> | <p>Bill Hlubik <i>RCE Agricultural Agent, Middlesex</i></p> |
| <p>2:45 pm What's New From Industry</p> | <p>2:45 pm Corn earworm control update for conventional and organic sweet corn systems</p> | <p>2:45 pm Growing and Marketing Fresh Baby Ginger with DIY Low Cost Movable High Tunnels</p> |
| <p>3:00 pm Options for Sanitizing Irrigation Water</p> | <p>Tom Kuhar Virginia Tech/RCE IPM Program</p> | <p>William Errickson <i>RCE Agriculture Agent, Monmouth</i></p> |
| <p>Faith Critzer <i>University of Georgia</i></p> | <p>3:15 pm What's New From Industry</p> | <p>3:15 pm Getting Started Growing High Value Mushrooms on the Farm</p> |
| <p>3:30 pm Effective Worker Training Strategies</p> | <p>3:30 pm Update on controlling foliar and fruit rot pathogens of pumpkin</p> | <p>Brendon Pearsall <i>State Coordinator, NJAES Beginner Farmer Program</i></p> |
| <p>Phil Tocco <i>Michigan State University</i></p> | <p>Andy Wyenandt RCE Specialist in Vegetable Pathology</p> | <p>3:45 pm What's New From Industry</p> |
| <p>4:00 pm Risk Based Thinking for Ag Food Safety</p> | <p>4:00 pm Managing diamondback moth and whiteflies in Georgia: a lesson in insecticide resistance management</p> | <p>4:00 pm Hazelnuts: An Exciting New Low-Input Crop to Extend Your Season and Increase Profits</p> |
| <p>Don Schaffner <i>RCE Specialist in Food Science</i></p> | <p>David Riley Vegetable Entomologist Univ. Of Georgia</p> | <p>David Hlubik <i>Graduate Researcher Rutgers Plant Bio</i></p> |
| <p>4:30 pm Third Party Audit and FSMA Update</p> | <p>4:30 pm Evaluating Silk Spray Rotations of an OMRI Approved Spinosyn and Nucleopolyhedrovirus for Managing Corn Earworm in Organic Sweet Corn</p> | <p>4:30 pm Attract New Customers with Innovative Flower Production and Marketing Strategies</p> |
| <p>Chris Kleinguenther <i>New Jersey Dept of Agriculture</i></p> | <p>Kristian Holmstrom Rutgers Vegetable IPM Program</p> | <p>Rose Robson Owner/Manager Robson Farms Wrightstown, NJ</p> |
| <p>5:00 pm Questions & Recertification Credits</p> | <p>4:45 The Future of Pepper Weevil Management in New Jersey</p> | <p>5:00 pm Questions & Recertification Credits</p> |
| | <p>Dr. Joseph Ingerson-Mahar Rutgers Vegetable IPM Program</p> | |
| | <p>5:15 pm Questions & Recertification Credits</p> | |

Thursday Day, February 10, 2022
WORKSHOPS

FSMA Produce Safety Rule

Grower Training

Wildwood 6-7

9:00 am – 4:30 pm

Wesley Kline, Ag Agent, RCE Cumberland

Meredith Melendez, Ag Agent, RCE Mercer

Jennifer Matthews, Senior Program Coordinator, RCE Cumberland

This training satisfies the requirements of the Food and Drug Administration (FDA) that at least one person from each farm that needs to comply with FSMA and receive a standardized curriculum recognized by the FDA.

Topics Include:

- >Introduction to Produce Safety
- >Worker Health and Hygiene
- >Soil Amendments
- >Wildlife, Domesticated Animals and Land Use
- >Agricultural Water
 - Production Water
 - Postharvest Water
- >Postharvest Handling and 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 the entire training to be eligible for the certificate of training.

The cost is \$50/person, separate from the registration fee to the Vegetable Growers Convention.

To register go to:

<https://go.rutgers.edu/t5qdovyn>

or for more information, contact Brandi at (856) 451-2800 ext. 1 (lunch is on your own)

This training is partly funded through grants from the New Jersey Department of Agriculture and US Food and Drug Administration

Beginner Farmers Training Session

Wildwood 12-13

9:00 am – 4:30 pm

This training session is intended for participants looking to gain an understanding of the basics involved in getting started farming in New Jersey. Training will be conducted by members of the NJAES beginner farmer team, USDA agency reps and established farmers sharing their experiences. The afternoon session will get into high value orchard production crops as an option to consider.

Registration separate from the Vegetable Growers Convention is \$50/person here: <https://go.rutgers.edu/mo8k5i5z>

Part One - Getting Started

9:00 am – 12:00 pm

William Hlubik, Ag Agent, RCE Middlesex

William Errickson, Ag Agent, RCE Monmouth

Brendon Pearsall, RCE Middlesex, Beginner Farm Program Coordinator

Lauren Errickson, RCE NJAES, New Brunswick Community Farmers Market and Rutgers Gardens

Welcoming Remarks – **Administration and Coordinators**

Ag Agency Programs and Support for New Farmers– **representatives from FSA, NRCS, Farm Credit, NJFB**

Getting Started Farming – Basic Questions to Consider and Important Resources

Bill Hlubik

Site Selection for Your Farm – Location, Soils, Structures, Irrigation, Deer Management

William Errickson

Incorporating Niche Crops into Your Farm Plan

Brendon Pearsall

Promoting and Marketing Your Farm and Yourself

Justine Gray

Social Media Specialist– Taste Profit Marketing

Beginner Farmer Panel

Lauren Errickson- Moderator

Part Two - New Orchards

1:30 pm – 4:30 pm

Megan Muehlbauer

Ag Agent, RCE Hunterdon

Orchard Specific Site Selection, Preparation and Nutrient Management

Megan Muehlbauer

RCE Agricultural Agent

Peach Variety and Rootstock Selection

Daniel Ward

RCE Specialist in Tree Fruit

Apple Variety and Rootstock Selection

Megan Muehlbauer

RCE Agricultural Agent

Tree Fruit Diseases and Pests 101

Don Seifrit

Penn State Extension Educator