

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

9:30 am – 11:45 am

<p>Agronomy <i>Steve Komar and William Bamka</i> <i>RCE Agricultural Agents, Sussex and Burlington</i></p> <p>9:30 am What's New From Industry</p> <p>9:45 am Warm-Season Grasses for Hay Production? Hank Bignell Rutgers Cooperative Extension</p> <p>10:15 am A Review of the 2021 Hemp Season: The Future of Hemp in NJ Bill Bamka Rutgers Cooperative Extension</p> <p>10:45 Alternative Small Grains for New Jersey: An Overview of 2021 Research Trials Stephen Komar Rutgers Cooperative extension</p> <p>11:15 Panel Discussion A Needs Assessment of Field and Forage Crop Programming in NJ Stephen Komar and Bill Bamka Rutgers Cooperative Extension</p> <p>11:45 am Questions & Recertification Credits</p>	<p>Wine Grapes <i>Hemant Gohil</i> <i>RCE Agricultural Agent, Gloucester</i></p> <p>9:30 am Management and Behavior of SLF in NJ Wine Grapes Anne Nielsen RCE Specialist In Entomology</p> <p>10:00 am What's New From Industry</p> <p>10:15 am Grapevine Trunk Diseases and Their Management Leslie Holland Extension Specialist Uni. of Wisconsin</p> <p>10:45 am Herbicide Usage in NJ Vineyards Thierry Besancon RCE Specialist In Weed Science</p> <p>11:15 am Best Practices for Vineyard Nitrogen Management Joseph Heckman RCE Specialist In Soil Fertility</p> <p>11:45 am Questions & Recertification Credits</p>	<p>Organic Production <i>Megan Muehlbauer</i> <i>RCE Agricultural Agent, Hunterdon</i></p> <p>9:30 am Alternative Weed Management Strategies 101 Kate Brown RCE Program Associate</p> <p>10:00 am Efficacy of Herbicides labeled for Organic Production on Specialty Crop Priority Weed Species Meredith Melendez RCE Mercer Ag Agent</p> <p>10:30 am What's New From Industry</p> <p>10:45 am Organic vs. Conventional Soil Quality in High Tunnels Elsa Sanchez Penn State University Professor of Horticultural Systems Management</p> <p>11:15 am Organic Livestock Production Hank Bignell RCE Senior Program Coordinator</p> <p>11:45 am Questions & Recertification Credits</p>	<p>General Vegetables I <i>Andy Wyenandt</i> <i>RCE Specialist in Vegetable Pathology</i></p> <p>9:30 am Vegetable Disease Control Andy Wyenandt RCE Specialist in Vegetable Pathology</p> <p>10:00 am Update on the Rutgers Basil Breeding Program Lara Brindisi Graduate Student, Rutgers Plant Biology</p> <p>10:30 am Understanding Bacterial Leaf Spot Populations and Copper Resistance Development in NJ Radhika Patel Graduate Student, Rutgers Plant Biology</p> <p>11:00 am What's New From Industry</p> <p>11:15 am X10R Bell Pepper Varieties for NJ Wesley Kline RCE Cumberland Ag Agent</p> <p>11:45 am Questions & Recertification Credits</p>	<p>Nursery I <i>William Errickson</i> <i>RCE Agricultural Agent, Monmouth</i></p> <p>9:30 am Native Plants for the NJ Landscape William Errickson RCE Agricultural Agent, Monmouth</p> <p>10:00 am Building More Sustainable Landscape Designs with Grasses and Sedges Brian Oleksak Assoc Professor, Landscape and Hort. Tech, County College of Morris</p> <p>10:30 am Managing Emerging Invasive Species and Native Alternatives Michele Bakacs RCE Natural Resources Agent, Middlesex</p> <p>11:00 am Plant Phenology Indicators for Scouting and Controlling Insects Steve Rettke RCE Program Associate in Nursery IPM</p> <p>11:30 am What's New From Industry</p> <p>11:45 am Questions & Recertification Credits</p>
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Tuesday Workshop

12:00 - 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

Soil Health	Gazing in the Crystal Ball– Future of NJ Agriculture I	Agrivoltaics	General Vegetables II	Nursery II
<p>Michelle Infante-Casella <i>RCE Agricultural Agent, Gloucester</i></p>	<p>Rick VanVranken <i>RCE Agricultural Agent, Atlantic</i></p>	<p>A.J. Both <i>RCE Specialist in Ag Engineering</i></p>	<p>Robin Brumfield <i>RCE Specialist in Farm Management</i></p>	<p>Timothy Waller <i>RCE Agricultural Agent, Cumberland</i></p>
<p>2:45 pm What's New From Industry</p>	<p>2:45 pm Automating Agriculture with AI (Artificial Intelligence)</p>	<p>2:45 pm What is Agrivoltaics?</p>	<p>2:45 pm Turning Those New Customers into Permanent Customers</p>	<p>2:45 pm Managing Red-headed Flea Beetle Larvae and Adults</p>
<p>3:00 pm Using Animal Manure & Compost for Soil Fertility in Crops Stephen Komar <i>RCE, Sussex Ag Agent</i></p>	<p>Brent Shedd <i>CEO, Stout AgTech Salinas, CA</i></p>	<p>A.J. Both <i>RCE Specialist in Bioresource Engineering</i></p>	<p>Bridget Behe <i>Professor of Horticulture Michigan State U</i></p>	<p>Danny Lauderdale <i>(1-hour session) NC Cooperative Extension Area Specialized Agent- Commercial Ornamental Nursery and Greenhouse</i></p>
<p>3:30 pm Using Cover Crops as a Weed Management Strategy William Bamka <i>RCE, Burlington Ag Agent</i></p>	<p>3:15 pm What's New From Industry</p>	<p>3:15 pm Agrivoltaic System Performance</p>	<p>3:15 pm How PACA Helps Insure 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>3:30 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>Dunbar Birnie <i>Professor of Material Science/Engineering Rutgers University</i></p>	<p>3:45 pm What's New From Industry</p>	<p>3:45 pm Diagnostic Tips for the Nursery and Landscape Rich Buckley <i>Rutgers Plant Diagnostic Laboratory, NJAES</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>4:00 pm Consumer Perceptions of New Biotechnology Labels Cara L. Cuite <i>RCE Specialist in Human Ecology</i></p>	<p>4:00 pm Agrivoltaics at Rutgers and Other NJ Stakeholders David Specca <i>Assistant Director NJ Ecocomplex</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 Detection and Management of Phytophthora in Conifers Timothy Waller <i>RCE, Cumberland Ag Agent – Nursery Crops</i></p>
<p>5:00 pm Questions & Recertification Credits</p>	<p>4:30 pm Grafting Transplants for Vigor and Disease Protection Rick VanVranken <i>RCE, Atlantic Ag Agent</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>4:15 pm What's New From Industry</p>	<p>4:45 pm What's New From Industry</p>
<p>5:00 pm Questions & Recertification Credits</p>	<p>5:00 pm Questions & Recertification Credits</p>	<p>5:00 pm Questions & Recertification Credits</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>
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2022 NJ Agricultural Convention and Trade Show ie NJ Vegetable Growers Meeting
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Wednesday Morning, February 9, 2022

9:30 am – 11:45 am

<p>Blueberry <i>Gary Pavlis</i> <i>RCE Agricultural Agent, Atlantic</i></p> <p>9:30 am What's New From Industry</p> <p>9:45 am Three diseases...Three Strategies. Peter Oudemans, <i>RCE Specialist in Small Fruit Pathology</i></p> <p>10:15 am A Multi-stage Approach to Manage Plum Curculio. Cesar Rodriguez-Saona <i>RCE Specialist in Small Fruit Entomology</i></p> <p>10:45 am What We Know About Honeybee Health During Blueberry Pollination Dean Polk <i>RCE Fruit IPM Agricultural Agent</i></p> <p>11:15 am Advances in Blueberry 'Omics' Jim Polashock <i>Plant Pathologist, USDA-ARS</i></p> <p>11:45 am Cultivation Methods for Container Grown Blueberries Bill Sciarappa <i>RCE Agriculture and Natural Resource Agent</i></p> <p>12:15 am Questions & Recertification Credits</p>	<p>Small Fruit/Strawberry <i>Pete Nitzsche</i> <i>RCE Agricultural Agent, Morris</i></p> <p>9:30 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>10:00 am What's New From Industry</p> <p>10:15 am Weed Management in Small Fruits Wayne Mitchem <i>Tree Fruit Weed Management Extension Associate NC State Extension</i></p> <p>10:45 am Growing and Marketing Blackberries in NJ Neil Pastore III <i>Owner, Pastore Orchards Winslow Township, NJ</i></p> <p>11:15 am An Introduction to Strawberry Flower Mapping Ed Durner <i>Rutgers Assoc Professor of Plant Bio</i></p> <p>11:45 am Questions & Recertification Credits WORKSHOP</p> <p>11:45 am Strawberry Flower Mapping (pre-registration required)</p>	<p>Gazing in the Crystal Ball– Future of NJ Agriculture II <i>Rick VanVranken</i> <i>RCE Agricultural Agent, Atlantic</i></p> <p>9:30 am WTF is Regenerative Agriculture? Patrick Clark <i>Technical Product Development Manager at BioSafe Systems Newark, DE</i></p> <p>10:00 am Robots and Other New Tech Tools in the Field Lee Fiocchi III <i>Owner, Lee Rain Inc. Vineland, NJ</i></p> <p>10:30 am What's New From Industry</p> <p>10:45 am Plasma-Arc Seed Germination Enhancement and "Sprouts CIP" Mukund V. Karwe <i>Rutgers Distinguished Professor of Food Engineering</i></p> <p>11:15 am Automated Transplanting Systems Danielle Michaels <i>CEO, PlantTape Inc. Salinas, CA</i></p> <p>11:45 am Questions & Recertification Credits</p>	<p>Specialty Crops <i>William Sciarappa</i> <i>RCE Agricultural Agent</i></p> <p>9:30 am Roselle as a New Leafy Green Jim Simon <i>RCE Specialist in New Crops</i></p> <p>10:00 am Breeding, Growing and Marketing RU Habanero Peppers Jim Simon Bill Sciarappa Trevor Styles <i>Undergrad Researcher Rutgers Plant Bio</i></p> <p>10:30 am Growing and Evaluating Tropical/Summer Spinach Tori Rosen <i>Graduate Researcher Rutgers Plant Bio</i> Jim Simon</p> <p>11:00 am What's New From Industry</p> <p>11:15 am Hemp Management for CBD Production Raul Cabrera <i>RCE Specialist in Nursery Crops</i></p> <p>11:45 am Questions & Recertification Credits <i>Pesticide Credit</i></p>
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Workshop

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 - NJDA's New Farmland Assessment Mapping Tool

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2:45 pm – 5:00 pm

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

Thursday Day, February 10, 2022
WORKSHOPS

**FSMA Produce Safety Rule
 Grower Training**

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/t5qdoyvn>

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

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