

2024 NJ AGRICULTURAL CONVENTION AND TRADE SHOW

PATHWAYS TO GROW FARM VIABILITY

Tuesday Morning, February 6, 2024

9:30 AM – 11:45 AM

<p>Wildwood 2&3 SOIL HEALTH: WHERE IT ALL BEGINS</p> <p>STEPHANIE MURPHY <i>Chair</i></p> <p>9:30 A.M. It All Starts with the Soil <i>Stephanie Murphy, Rutgers Soils Lab</i></p> <p>10:00 A.M. Mineral Nutrition and Plant Health <i>Joseph Heckman, Ext. Specialist, NJAES</i></p> <p>10:30 A.M. In-Field Assessment of Soil Health <i>Eileen Miller Healthy Landscapes Inc.</i></p> <p>11:00 A.M. Soil Health Practices and Results at Muth Family Farm <i>Bob Muth</i></p> <p><i>Pesticide Credits: 0</i></p>	<p>Wildwood 4&5 SPECIALTY AND NICHE CROPS I</p> <p>WILLIAM SCIARAPPA <i>Chair</i></p> <p>9:30 A.M. Summer Spinach & Roselle Rutgers R & D <i>Tori Rosen, PhD Student, Rutgers</i></p> <p>10:00 A.M. Rutgers Basil Research <i>Jim Simon, New-Use Agriculture, NJAES</i></p> <p>10:30 A.M. Specialty Crop Farming – A Farmer's Perspective. <i>Stephen Specca Specca Farms</i></p> <p>11:00 A.M. Habanero Production and Marketing <i>Albert Ayeni, Rutgers NJAES, Retired</i></p> <p><i>Pesticide Credits: PP2-4, Cat.1A-4, Cat.10-2</i></p>	<p>Wildwood 6&7 HEMP PRODUCTION: IS IT AN OPPORTUNITY?</p> <p>STEPHEN KOMAR <i>Chair</i></p> <p>9:30 A.M. Current Hemp Market Trends – Are there Opportunities? <i>Stephen Komar, Ag Agent, RCE</i></p> <p>10:00 A.M. Agronomics of Fiber Hemp Production in NJ <i>William Bamka, Ag Agent, RCE</i></p> <p>10:30 A.M. Regulatory Updates on the NJ Hemp Program <i>John Kerr, Hemp Program Manager, NJDA</i></p> <p>11:00 A.M. Fiber Hemp Processing - What is Involved? <i>Speaker TBD</i></p> <p><i>Pesticide Credits: PP2-1, Cat.1A-1, Cat.10-1</i></p>	<p>Wildwood 8&9 VEGETABLE PRODUCTION I</p> <p>ANDY WYENANDT <i>Chair</i></p> <p>9:30 A.M. Update on Fungicides for Vegetable Disease Control <i>Andy Wyenandt, Ext. Specialist, NJAES</i></p> <p>10:00 A.M. Cover Crops and Living Mulches for Weed Control in Cucurbits Grown with Plasticulture <i>Thierry Besancon Ext. Specialist, NJAES</i></p> <p>10:30 A.M. Update on Managing Some Difficult Pests in Vegetables <i>Thomas Kuhar Entomologist, VA Tech</i></p> <p>11:00 A.M. Gold Flecking in Tomato - Could there be Other Causes Besides Thrips? <i>Gerald Brust, IPM Vegetable Specialist, Univ. of Maryland</i></p> <p><i>Pesticide Credits: PP2-4, Cat.1A-4, Cat.10-4</i></p>	<p>Wildwood 10 BASICS OF WINE GRAPE PRODUCTION I</p> <p>HEMANT GOHIL <i>Chair</i></p> <p>9:30 A.M. Should You Be Growing Grapes? <i>Gary Pavlis, Ag Agent, RCE</i></p> <p>10:00 A.M. Vineyard Establishment <i>Dan Ward, Director, Rutgers Ag Research and Extension Center</i></p> <p>10:30 A.M. Vineyard Economics <i>Dan Ward, Director, Rutgers Ag Research and Extension Center</i></p> <p>11:00 A.M. Avoiding Costly Mistakes During the Early Years <i>Hemant Gohil Ag Agent, RCE</i></p> <p><i>Pesticide Credits: 0</i></p>
--	---	---	---	--

LUNCH AND LEARN INDUSTRY PRESENTATIONS 12:00pm to 1:30PM IN THE TRADE SHOW AREA

PRE-SIGN UP REQUIRED – FREE LUNCH–TICKET REQUIRED – SPACE LIMITED

Exhibitors and Industry Representatives are sponsoring lunch and will talk about products and services.

Tuesday Mid-Day Workshop – Wildwood 12&13

12:00 - 1:30 P.M. Farmers Market Nutrition (FMNP) Program Vendor Training

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

Tuesday Afternoon, February 6, 2024

2:15 PM – 4:30 PM

<p>Wildwood 2&3 VEGETABLE INTEGRATED PEST MANAGEMENT</p> <p>KRISTIAN HOMSTROM <i>Chair</i></p> <p>2:15 P.M. Diamond Back Moth Mating Disruption <i>Thomas Kuhar Entomologist, VA Tech</i></p> <p>2:45 P.M. Plans to Update Corn Ear Worm Management and What to do in the Meantime <i>Kelly Hamby, Ext. Specialist, Univ. of MD</i></p> <p>3:15 P.M. Ag Pest Monitor: A New Approach to Pest Monitoring <i>Joseph LaForest, Univ. of Georgia</i></p> <p>3:45 P.M. Biocontrols for Pests in High Tunnel Vegetables: Tomato, Cucumber and Greens <i>Judson Reid Ext. Specialist, Cornell Univ.</i></p> <p><i>Pesticide Credits: PP2-4, Cat. 1A-4, Cat. 10-4</i></p>	<p>Wildwood 4&5 SPECIALTY & NICHE CROPS II</p> <p>BILL HLUBIK <i>Chair</i></p> <p>2:15 P.M. Extend the Season, Extend the Profits <i>Jess Niederer Chickadee Creek Farm</i></p> <p>2:45 P.M. Growing Flowers in Geothermal Greenhouses – A Success Story with USDA REAP Funds <i>Rebecca Kutzer-Rice Moonshot Farm</i></p> <p>3:15 P.M. Opportunities, Tips, and Challenges of Growing High Value Crops <i>Devin Corina, NOFANJ & Alex Sawatzky, Rutgers Student Farm</i></p> <p>3:45 P.M. Hazelnut Cultivar/Pollinator Selection & Consideration for Orchard Design <i>David Hlubik Rutgers PhD Student</i></p> <p><i>Pesticide Credits: 0</i></p>	<p>Wildwood 6&7 TREE FRUIT ORCHARD ESTABLISHMENT AND MAINTENANCE</p> <p>MEGAN MUEHLBAUER <i>Chair</i></p> <p>2:15 P.M. Orchard Design and Variety/Rootstock Selection <i>Speaker TBA</i></p> <p>2:45 P.M. Tree Fruit Nutrition Management <i>Megan Muehlbauer Ag Agent, RCE</i></p> <p>3:15 P.M. Using IPM To Control Orchard Pests and Diseases <i>Janet VanZoren IPM, Cornell Univ.</i></p> <p>3:45 P.M. Tips and Tricks for Establishing a Tree Fruit Orchard Panel: <i>Jake Peterson Peterson Farm</i> <i>Jamie Bourgeois Riamede Orchard</i></p> <p><i>Pesticide Credits: PP2-1, Cat. 1A-1, Cat. 10-1</i></p>	<p>Wildwood 8&9 VEGETABLE PRODUCTION II</p> <p>MICHELLE INFANTE- CASELLA <i>Chair</i></p> <p>2:45 P.M. Insect Pests of Cucurbit Crops <i>Gerald Brust, IPM Vegetable Specialist, Univ. of Maryland</i></p> <p>3:15 P.M. Laser Scarecrows for Bird Damage Control <i>Kate Brown, Program Associate, RCE</i></p> <p>3:45 P.M. Understanding and Managing Blossom End Rot in Vegetable Crops <i>Michelle Infante-Casella, Ag Agent, RCE</i></p> <p>4:15 P.M. Insect Pests of Sweet Corn <i>Kelly Hamby, Ext. Specialist, Univ. of Maryland</i></p> <p><i>Pesticide Credits: PP2-3, Cat. 1A-3, Cat. 10-3</i></p>	<p>Wildwood 10 BASICS OF WINE GRAPE PRODUCTION II</p> <p>HEMANT GOHIL <i>Chair</i></p> <p>2:15 P.M. What Worked and What Did Not Work: Panel: <i>Jim Quarella Bellview Winery</i> <i>Joel Viereck Moss Branch Winery</i> <i>Dustin Tarpine Vine Tech</i></p> <p>3:15 P.M. Vine Tech – Experiences from Vine Tech <i>Steve Becker, Co-Founder of Vine Tech</i></p> <p>3:45 P.M. Establishing New Vineyards <i>Dustin Tarpine, Co-Founder of Vine Tech</i></p> <p><i>Pesticide Credits: 0</i></p>
--	--	---	--	---

Wednesday Morning, February 7, 2024

9:30 AM – 11:45 AM

<p>Wildwood 1 HIGH TUNNELS</p> <p>AJ BOTH <i>Chair</i></p> <p>9:30 A.M. Asparagus Production <i>Scott Walker, Walker Brothers Inc.</i></p> <p>10:00 A.M. Cut Flower Production in High Tunnels <i>Rebecca Kutzer-Rice Moonshot Farm</i></p> <p>10:30 A.M. Geothermal Heating for Greenhouses <i>Jim Thomas Thomas Geothermal Engineering LLC</i></p> <p>11:00 A.M. High Tunnel and Hoophouse Construction <i>AJ Both, Ext. Specialist, NJAES</i></p> <p><i>Pesticide Credits: 0</i></p>	<p>Wildwood 2&3 NURSERY AND ORNAMENTALS I</p> <p>BILL ERRICKSON <i>Chair</i></p> <p>9:30 A.M. Developing BMPs for Native Plant Nurseries and Landscapes <i>William Errickson, Ag Agent, RCE</i></p> <p>10:00 A.M. Container Production of Ornamentals <i>Raul Cabrera, Ext. Specialist, NJAES</i></p> <p>10:30 A.M. Increasing Beneficial Insects with Banker Plants as Part of an IPM Program <i>Steve Rettke, Program Associate, RCE</i></p> <p>11:00 A.M. Ornamental Reforestation: A New Hort. Design Concept to Boost Env. Sustainability <i>Jean Epiphan, Ag Agent, RCE</i></p> <p><i>Pesticide Credits: PP2-3, Cat.1A-3, Cat.10-4, Cat.3A-1</i></p>	<p>Wildwood 4&5 FARMER HEALTH AND SAFETY</p> <p>KATE BROWN <i>Chair</i></p> <p>9:30 A.M. Risk vs. Benefit Analysis in Daily Decision Making <i>Kate Brown, Prog. Associate, RCE</i></p> <p>9:45 A.M. Respiratory Protection Requirements of WPS Labeled Pesticides <i>Patricia Hastings, Rutgers Pesticide Program</i></p> <p>10:30 A.M. Sun Safety & Skin Cancer <i>Gabriella Dumbrique Rutgers Cancer Institute</i></p> <p>11:00 A.M. Noise Exposure and Hearing Loss <i>Ian Pracher Rutgers Environmental Health and Safety</i></p> <p><i>Pesticide Credits: CORE - 1</i></p>	<p>Wildwood 6&7 STRAWBERRY PRODUCTION AND MARKETING</p> <p>PETER NITZSCHE <i>Chair</i></p> <p>9:30 A.M. Diseases to Watch for in New Strawberry Plantings <i>Kathy Demchak, Penn State</i></p> <p>10:00 A.M. Recent Advances in Strawberry Nursery Production <i>Ed Durner, Rutgers, NJAES</i></p> <p>10:30 A.M. Strawberry Farmer Panel: Pests, Sourcing Plants, PYO/Marketing, Varieties Panel: <i>Stephen Specca, Specca Farms</i> <i>David Duffield, Duffield's Farm</i> <i>Other Panelists TBD</i></p> <p><i>Pesticide Credits: PP2-2, Cat.1A2-2, Cat.10-2</i></p>	<p>Wildwood 8&9 AGRICULTURE TECHNOLOGY I</p> <p>WILLIAM SCIARAPPA <i>Chair</i></p> <p>9:30 A.M. Robotic Weeders in Agricultural Crops <i>Thierry Besancon, Ext. Specialist, NJAES</i></p> <p>10:00 A.M. Drone Technology, Taking Toys to Tools <i>Peter Oudemans, Ext. Specialist, NJAES</i></p> <p>10:30 A.M. Automatic Transplanting – Plant Tape <i>Dominick Lavari Plant Tape Inc.</i></p> <p>11:00 A.M. Biodegradable Plasticulture – Panel Discussion <i>William Sciarappa Ag Agent, RCE</i></p> <p><i>Pesticide Credits: PP2-4, Cat.1A-4, Cat.10-2, Cat.11-1 (aerial)</i></p>	<p>Wildwood 10 TRANSITIONING TO ORGANIC PRODUCTION</p> <p>MEREDITH MELENDEZ <i>Chair</i></p> <p>9:30 A.M. The When and Why of Organic Certification <i>Devon Corina Director NOFANJ</i></p> <p>10:00 A.M. Transitioning to Organic Certification <i>Erich Bremer, NJDA</i></p> <p>10:30 A.M. Panel Discussion – Realities of Organic Certification Panel: <i>Al Johnson, VP NOFANJ</i> <i>Devon Corina, Director NOFANJ</i> <i>Erich Bremer, NJDA</i></p> <p><i>Pesticide Credits: 0</i></p>
--	---	---	--	---	---

Wednesday Mid-Day Workshop – Wildwood 12&13

12:00 - 1:30 P.M. Farmers Market Nutrition (FMNP) Program Vendor Training

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

Wednesday Afternoon, February 7, 2024

2:15 PM – 4:30 PM

<p>Wildwood 1 WOMEN IN AGRICULTURE</p> <p>DARCY PEREHINYS <i>Chair</i></p> <p>2:45 Speaker TBD from the Executive Board of the National AFBF Womens Leadership Committee</p> <p>3:45-4:45 <u>Roundtable Discussion</u> NJFB Womens Leadership Committee</p> <ul style="list-style-type: none"> Life on the Farm Time and Family Management Retirement Planning <p><i>Pesticide Credits: 0</i></p>	<p>Wildwood 2&3 NURSERY AND ORNAMENTALS II</p> <p>TIM WALLER <i>Chair</i></p> <p>2:45 P.M. Common Plant Nutrients During Production – Their Causes and Solutions <i>Andrew Ristvey Ext. Specialist, Univ. of MD</i></p> <p>3:45 P.M. Top Plants for NJ Landscapes <i>Steve Kristoph Nursery Owner</i></p> <p>4:15 P.M. Whole Nursery Pesticide Regime Considerations <i>Timothy Waller Ag Agent, RCE</i></p> <p><i>Pesticide Credits: PP2-3, Cat. 1A-3, Cat. 10-3, Cat. 3A-1</i></p>	<p>Wildwood 4&5 BLUEBERRY PRODUCTION</p> <p>GARY PAVLIS <i>Chair</i></p> <p>2:45 P.M. Dos and Don'ts of Herbicide Sprays <i>Carrie Mansue RCE Prog. Assoc.</i></p> <p>3:05 P.M. Update on New Herbicides for Highbush Blueberry <i>Thierry Besancon Ext. Specialist, NJAES</i></p> <p>3:25 P.M. Blueberry Fruit Disease Management <i>Peter Oudemans Ext. Specialist, NJAES</i></p> <p>3:45 P.M. Current Research on Beetles and Flies <i>Cesar Rodriguez-Saona Ext. Specialist, NJAES</i></p> <p>4:05 P.M. New Players, Blueberry Stem Disease Complex <i>James Polashock USDA-ARS Pathologist</i></p> <p><i>Pesticide Credits: PP2-3, Cat. 1A-3, Cat. 10-3</i></p>	<p>Wildwood 6&7 RETAIL MARKETING: TRANISTION AND GROWTH</p> <p>KATE BROWN <i>Chair</i></p> <p>2:45 P.M. Who Shops at Direct-to-Consumer Farm Markets and Why? <i>Ethan Schoolman, Rutgers SEBS</i></p> <p>3:15 P.M. to 4:30PM From Wholesale to Direct Farm Marketing <u>Panel:</u> <i>Amy Zorn Hunters Farm Market</i> <i>Karen Maugeri Maugeri's Farm Market</i> <i>Marsha Gaventa Cedarvale Winery</i> <i>Tracy Duffield Duffield's Farm Market</i></p> <p><i>Pesticide Credits: 0</i></p>	<p>Wildwood 8&9 AGRICULTURAL TECHNOLOGY II</p> <p>DAVE SPECCA <i>Chair</i></p> <p>2:45 P.M. Cost Savings with Precision Agriculture and Conservation Tillage <i>Jeffrey Everett, Rutgers NJAES</i></p> <p>3:15 P.M. Experiences with Precision Agriculture and Conservation Tillage <i>Tim Eachus Turkey Creek Farm Supply</i></p> <p>3:45 P.M. Agrivoltaics at Rutgers <i>David Specca, Rutgers NJAES</i></p> <p>4:15 P.M. Economics of Agrivoltaics <i>Kevin Sullivan, Rutgers NJAES</i></p> <p><i>Pesticide Credits: 0</i></p>	<p>Wildwood 10 PRODUCE SAFETY: MANAGING RISK</p> <p>MEREDITH MELENDEZ <i>Chair</i></p> <p>2:45 P.M. Critical Components of Your Farm Safety Plan <i>Jennifer Matthews, Sr. Program Coord., RCE</i></p> <p>3:15 P.M. Identifying Hazards and Prioritizing Risks <i>Meredith Melendez, Ag Agent, RCE</i></p> <p>3:45 P.M. – 4:45 Where is the Risk? <i>Meredith Melendez, Ag Agent, RCE.</i></p> <p><i>Pesticide Credits: 0</i></p>
--	--	--	---	--	---

Thursday, February 8, 2024

WORKSHOPS

9:00 AM – 4:30 PM

Wildwood 6&7

WORKSHOP: FSMA PRODUCE SAFETY RULE GROWER TRAINING

MEREDITH MELENDEZ

Chair

9:00 AM – 4:30 PM

Workshop Speakers:

Meredith Melendez, Ag Agent, RCE
Jennifer Matthews, Sr. Prog. Coord., RCE
Wes Kline, Ag Agent, RCE

- **Module 1: Introduction to Produce Safety**
- **Module 2: Worker Health and Hygiene and Training**
- Break
- **Module 3: Soil Amendments**
- **Module 4: Wildlife, Domesticated Animals, and Land Use**
- Lunch on your own
- **Module 5: Agricultural Water Part 1**
- **Agricultural Water Part 2**
- Break
- **Module 6: Post-Harvest Handling and Sanitation**
- **Module 7: 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 & 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/per person, separate from the registration fee to the Vegetable Growers Convention. For more information, contact Brandi at (856) 451-2800 ext. 1 (lunch is on your own)

Register at
<https://go.rutgers.edu/mhqc3m5u>



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

Pesticide Credits: 0

Wildwood 8&9

WORKSHOP: WPS RESPIRATORY PROTECTION TRAINING, FIT TESTING & RECORD KEEPING

PATRICIA HASTINGS, Chair Email: hastings@njaes.rutgers.edu

9:00 AM – 1:00 PM (PRE-REGISTRATION REQUIRED-SPACE LIMITED)

Description: Revised WPS requires that agricultural employers provide all handlers (including family members) using a pesticide which requires respiratory protection with 1) medical evaluation; 2) fit testing of all tight-fitting respirators and 3) training per the requirements of 40 CFR 170.507 (b)(10). This workshop aims to build the capacity of NJ agricultural establishments to protect their pesticide handlers from respiratory hazards. At this workshop, growers/applicators/their employees will receive class instruction and hands-on training in how to correctly select respiratory protection using the pesticide label statements of products used on their farm, train, and fit test others; and document the results to meet the requirements of the Revised WPS in NJ. Participants will be trained in pairs in how to properly conduct a *qualitative* fit test so that they can *perform fit tests on the farm for as many masks and applicators as needed on their own*. In rare cases, pesticide labels require respirators that legally require *quantitative* fit testing. Quantitative fit testing will be performed for those participants that need it. Training in the use of quantitative fit testing will not be provided to participants.

Workshop Pre-Requisites:

- Registration is given priority to growers/applicators/and their employees needing to expand capacity in respirator training, fit testing, and recordkeeping. **Limited to the first 30 participants registering.**
- Prior to fit testing or using a respirator, OSHA requires that the respirator user be medically evaluated. Each applicant must submit with their registration form a fully completed medical clearance by a physician or other licensed health care provider per OSHA 29 CFR 1910.1910.134(e)(6)9i.
- ALL attendees must pre-register by completing the **4-part registration form (including Part 4)**. Use the **QR Code** (right) to register or go to <https://go.rutgers.edu/pesticideworkshop>

Part 1: Participant Information

Part 2: List of Pesticides Used Which the Pesticide Label Requires Respiratory Protection

Part 3: Fit Testing Pre-requisites

Part 4: Submitting Your Respirator Workshop Pre-Registration Form



Day of the Workshop:

- 1) participants must be clean-shaven; use no lotions, aftershave, or makeup; or wear jewelry that interferes with the respirator sealing surface; certain facial hair such as mustaches are acceptable if they do not interfere with the inhalation or exhalation valve function.
- 2) Must bring respirator(s) they wish to be fit tested with fitted with N, R, or P filters; other makes models, and sizes of respirators will be available if fit cannot be achieved. Ordering information will be provided.
- 3) Each participant will receive a Workshop Certificate plus a completed "Fit Test Record" and "Respirator Training Record" form and wallet card.

PRESENTERS:

Respiratory Protection for Pesticides, Patricia D. Hastings, Rutgers Pesticide Safety Education Coordinator
Medical Evaluation and Fit Testing, Robin Tutor-Marcom, PhD, Director, NC AgroMedicine Institute

PESTICIDE CREDITS: CORE-8