

# **2023 Mid-Atlantic Fruit and Vegetable Convention Educational Program**

*current as of November 16, 2022*

**Monday, January 30, 2023**

## **01 Greenhouse Vegetables**

*Sponsored by ProFarm Group and Griffin Greenhouse Supplies*

**\$50 includes lunch**

**8:30 a.m. to 4:00 p.m.**

**8:30: Registration**

9:00 Getting Started Considerations and Experiences – Dr. Richard Snyder, Mississippi State Univ. Retired

9:45 Variety Selection for Indoor Production - Evelyn Zaleski, Seedway Seeds

10:30 Water Quality and Modifying Water Quality - Steven Bogash, ProFarm Group

11:00 Nutrition Basics for Leafy Greens and Fruiting Crops - Krystal Snyder, Penn State Extension

11:30 Biological Insect and Mite Management - Steven Bogash, ProFarm Group

**12:00 Lunch Break - Included**

12:45 Disease Management - Margaret McGrath, Cornell

1:30 Fogging and Spray Applications for Indoor Vegetable Growers - Brett Kroszner, Dramm Corp.

2:15 Indoor Strawberry Pest and Disease Management - Erica Hernandez, Griffin Greenhouse Supplies

2:45 Moving from Ornamentals to Vegetables - Erica Hernandez, Griffin Greenhouse Supplies

3:15 General Considerations for Lighting in Greenhouse Vegetables - Eric J. Stallknecht, Michigan State Univ.

4:00: Adjourn

## **02 Food Safety Modernization Act Grower Training**

**\$45 includes lunch**

**9:00 a.m. to 5:15 p.m.**

This training is for fruit and vegetable growers and others interested in learning about: produce safety, the Food Safety Modernization Act (FSMA) Produce Safety Rule, Good Agricultural Practices (GAPs), and co-management of natural resources and food safety. This PSA course is one way to satisfy the grower training requirement of the FSMA Produce Safety Rule as outlined in Section 112.22(c). Participants in the course will learn about:

- Microorganisms relevant to produce safety and where they may be found on the farm;
- How to identify microbial risks, practices that reduce risks, and how to implement produce safety practices on the farm;
- Requirements in the FSMA Produce Safety Rule and how to meet them.

After attending the entire course, participants will be eligible to receive a certificate from the Association of Food and Drug Officials (AFDO) that verifies they have completed the training course. The Pennsylvania Food Safety Resource Center is providing funds to cover AFDO certification fees and course material costs for this workshop.

## **04 Spotted Lanternfly Permit Training**

**\$25 (no lunch)**

**1:00 to 3:00 pm**

If your Pennsylvania business requires the movement of products or vehicles, you are required to obtain the SLF permit. A permit shows other businesses and states your due diligence to avoid transporting SLF to new areas. This 2-hour session will include the required education and exam to get the SLF permit.

### **050 Starting & Improving your Farm Transition Plan**

**\$25 (no lunch)**

**9:00 a.m. to 12:00 p.m.**

Join Penn State Extension Educators from the Farm Transition Team for this half-day workshop. We will be focusing on topic areas to start, improve, and/or refresh your overall farm transition planning goals. Farm/ag business owners and operators of all levels are welcome.

9:00 **How to Find a Successor** - Lynn Kime & Christi Powell, Penn State Extension

10:00 **How to Transfer Your Assets & Tax Implications**- Sam Gehrett & Paula Ledney, Penn State Extension

11:00 **Case Study & Wrap-Up** - Entire Farm Transition Team

12:00 **Adjourn**

### **060 Pennsylvania Pesticide Applicators License Training**

**\$75 includes lunch and manual**

**9:00 a.m. to 4:00 p.m.**

If you intend to purchase and/or apply restricted use pesticides for the purpose of producing an agricultural commodity on land which is owned or rented by you, then you need a Pennsylvania Department of Agriculture Pesticide License. To become a certified private applicator, testing is required. This full day session on January 30 will cover the basics and prepare you for the pesticide applicator's exam which will take place the next morning, January 31, from 8:30 a.m. – 11:30 a.m.

### **070 Managing A Profitable Farm Market Bakery**

**\$20 (no lunch)**

**1:00 to 4:30 p.m.**

Having a bakery within your farm market is a big commitment. Once you decide to do it, there is no going back. It's adding another business within your business. Whether you have a bake-off bakery or a scratch bakery, it needs to be managed well and it needs to be profitable. In this workshop we'll hear from three markets who's bakeries are a destination experience! Topics include: best practices, baked goods as a community fundraiser, workforce management and other innovative ideas. Speakers are: Tad Kuntz,] with the Masonic Village Farm Market; Josh Smith & Holly Haas with Frecon Farm and Calib Torrice with Tabora Farm

### **080 Young Grower Alliance Workshop - Tree Fruit Pruning**

**Fruit Research and Extension Center, 290 University Dr, Biglerville, PA 17307**

**\$30 (no lunch)**

**2:00 to 4:00 p.m.**

Please join the Young Grower Alliance (YGA) for a pruning demonstration/pre-conference workshop at the Fruit Research and Extension Center in Biglerville (not at the Hershey Lodge!). Dr. James Schupp will be providing hands-on pruning information. Dr. Schupp has done many research projects on pruning fruit trees and his expertise is recognized nationally. This workshop will take place outside, so please wear appropriate attire. Meals will NOT be provided during the workshop.

### **090 Adams County Bus Tour**

**\$70 (includes lunch)**

**7:45 a.m. to 5:30 p.m.**

*Departure and return is from the Hershey Lodge Chocolate Lobby*

This year's annual bus tour will visit the following agricultural businesses in Adams County:

**Hollabaugh Bros. Fruit Farm and Market – Biglerville, PA.** Hollabaugh Bros. has been growing and marketing fruit and vegetable crops from their 500-acre farm and other local producers for over 65 years. Their market features fresh produce, gourmet food items, baked goods, gifts, local meats, ice cream, and prepared foods, and an educational "Bee Room". This operation hosts numerous festivals and tours throughout the year, and even offers family-focused cooking classes. [hollabaughbros.com](http://hollabaughbros.com)

**Rice Fruit Company – Gardners, PA.** Rice Fruit Company is a fruit grower/packer/shipper located in Adams County, PA. Adams County, commonly referred to as "apple country," is known for its ideal topography for growing tree fruits. The Rice Family has been growing apples since the 1790's and Rice Fruit Company was founded in 1913. Over the last 100+ years, Rice Fruit has expanded its operation to include fruit packing for over 40 local fruit growers. We'll tour the packing operations which utilize some of the most up-to-date technologies available, and learn about protocols the company has in place to ensure delivery of high-quality products and food safety compliance. [ricefruit.com](http://ricefruit.com)

**Hickory Bridge Farm and Restaurant – Orrtanna, PA.** We'll have lunch served family style in Hickory Bridge's historic barn that is about 150 years old built of chestnut and oak. Lunch will feature Adams County apples. During lunch, we'll be greeted

by Mary Lynn, owner/operator and we'll hear about how they manage a restaurant, bed-and-breakfast operation, special events venue, and farming. [www.hickorybridgefarm.com](http://www.hickorybridgefarm.com)

**Musselman Greenhouses – Cashtown, PA.** This operation consists of an acre and a half of greenhouses dedicated to growing seasonal blooming plants and foliage plants. Musselman's are mostly a wholesale operation selling to garden centers, florists, hardware stores, farm markets, and other greenhouses in six states. In addition to their wholesale operation, their greenhouses are also open for retail sales year-round. [musselmangreenhouses.com](http://musselmangreenhouses.com)

**Adams County Nursery – Aspers, PA.** This operation has been growing and shipping tree fruit nursery stock since 1905, providing nearly every type of fruit tree from apples to plumcots to commercial growers and home gardeners. We'll see their sorting and storage facilities, and weather permitting, visit their outdoor field facilities. [acnursery.com](http://acnursery.com)

### **Tuesday Morning, January 31, 2023**

#### **11 High Tunnels** – Trinidad Room *sponsored by the American Vegetable Grower magazine*

9:00 **Stormwater Regulations for High Tunnels** - Jeffrey Stoltzfus, Penn State Extension

9:45 **When Bad Things Happen to Good Tomatoes** - Dr. Richard Snyder, Mississippi State Univ.

#### **12 Phytophthora Management** - Magnolia Room ABC

9:00 **\*Cultural Controls for *Phytophthora capsici* with an Emphasis on Water Management** - Dr. Gordon Johnson, Univ. of Delaware

9:45 **\*Phytophthora Diseases: Biology and Management** - Dr. Beth Gugino, Penn State

#### **13 Cole Crops** - Crystal Room

9:00 **Seasonal Variety Planning for Cole Crops** - Jay Ruwet, Gowan Seed Company

9:45 **\*Cole Crop Caterpillars and Other Insects** - Dr. David Owens, Univ. of Delaware

#### **14 Garlic** - Empire Room AB

9:00 **\*Bloat Nematode and Garlic Disease Management** - Dr. Frank Hay, Cornell Univ. (virtual)

9:45 **Best Practices for Great Garlic** - Dr. Gordon Johnson, Univ. of Delaware

#### **15 Urban Ag** - Empire Room CD

9:00 **Intro/Ice Breaker/Networking** - Dan Dalton, PASA; Megan Chawner, Penn State Extension; Dr. Elsa Sanchez, Penn State

9:45 **The Promise and Realities of Urban Ag** - Molly Riordan and Dr. Anu Rangarjan, Cornell Small Farms Program

#### **16 Snap Beans** - Wild Rose Room

9:00 **Snap Bean Heat Stress, Heat Tolerant and Yield Trials** - Dr. Emmalea Ernest, Univ. of Delaware

9:45 **\*IPM Topics: Snap Bean Weed Management Update and Snap Bean Fungicide Research** - Dr. Lynn Sosnoskie and Dr. Sarah Jane Pethybridge, Cornell Univ.

#### **17 Farm Market Staff Training** - Cocoa Terrace/Cocoa 1

9:00 **Tips for Training Your Team** - Michael Kilpatrick, Growing Farmers

9:45 **Farm Market & Agritourism Staff Training** - Karen Paulus, Mt. Airy Orchard and Julie Keene, Flinchbaugh's Orchard and Farm Market

#### **18 Tree Fruit** - Nigerian Room

9:00 **Invocation** - Edgar Weaver

9:05 **President's Address** - Andrew Schwalm

9:15 **George Goodling Memorial Lecture: Use of Accede and Metamitron in Apples** - Dr. Duane Greene, Univ. of Massachusetts

10:00 **\*Safe Use of Pesticides During Tree Fruit Bloom** - Dr. David Biddinger, Penn State

#### **19 Keynote** - Nigerian/Trinidad Room

10:45 **2022 Census of Agriculture: Your Voice, Your Future, Your Opportunity** - King Whetstone, NASS-USDA

11:00 **Thriving in Uncertain Times** - Michael Kilpatrick, Growing Farmers *sponsored by the American Vegetable Grower magazine and American Fruit Grower Magazine*

### **Tuesday Afternoon, January 31, 2023**

#### **21 High Tunnels** - Trinidad Room

- 1:30 **Tips and Tricks of Diversified High Tunnel Production** - David King, Harvest Valley Farms
- 2:00 **\*What are the Common Insect Pests Under High Tunnels and How do We Manage Them?** - Dr. Samantha Willden, Purdue Univ.
- 2:30 **\*\*Understanding FRAC Codes and Resistance Management** - Leah Fronk, Penn State Extension
- 3:15 **\*Detecting and Combating Hidden Diseases in High Tunnel Tomato Production** – Dr. Anna Testen, USDA-ARS
- 4:00 **Soil Fertility Management Post Anaerobic Soil Disinfestation in a Tomato High Tunnel Production System** - Dr. Francesco Di Gioia, Penn State

#### **22 General Vegetables** - Magnolia Room ABC

- 1:30 **Risky or Not? Using Agricultural Water Assessments to Manage Food Safety Risk** - Gretchen Wall, International Fresh Produce Assoc.
- 2:00 **Dealing with FSMA inspections - Grower Panel**
- 2:30 **Feasibility of Mesotunnels for Cucurbit Production** - Dr. Sarah Pethybridge, Cornell Univ.
- 3:15 **\*The Latest in Insecticide Efficacy Research** - Dr. Thomas Kuhar, Virginia Tech
- 4:00 **\*\*Lessons Learned over a Career about Vegetable Diseases, Management and Fungicide Resistance** - Dr. Margaret McGrath, Cornell Univ.

#### **23 Soil Health/Cover Crops** - Crystal Room

- 1:30 **Sustainable Soil Health and Fertility Management** - Dr. Zachary Hayden, Michigan State Univ.
- 2:00 **\*Potential Beneficial Aspects of Mustard Cover Crop Biofumigation** - Dr. James Jasinski, Ohio State Univ. Extension
- 2:30 **\*Using Cover Crops in Row Middles for Weed Management and Soil Health** - Dr. Alan Leslie, Univ. of Maryland Extension
- 3:15 **Reducing Tillage on Vegetable Farms** – Dr. Anu Rangarajan, Cornell Cooperative Extension
- 4:00 **\*Impacts of Weed Management on Soil Health** - Bryan Brown, Cornell Cooperative Extension

#### **24 Biocontrols** - Empire Room AB

- 1:30 **\*What Was Learned from 20 Years of Evaluating Biofungicides?** - Dr. Margaret McGrath, Cornell Univ.
- 2:00 **Biocontrol by Predators: What's Fear Got to Do With it?** - Dr. Sara Hermann, Penn State
- 2:30 **\*Contrasting Insect Biocontrols in Tunnels vs Greenhouse Production** - Dr. Laura Ingwell, Purdue Univ.
- 3:15 **\*Biocontrols for Insects and Mites** – Steven Bogash, ProFarm Group, Matthew Krause, Lallemand Inc, and Julie Graesch, BioWorks Inc.
- 4:00 **\*Biocontrols for Plant Pathogens** – Greg Rogers, Certis and Bond McInnes, AgBiome

#### **25 Urban Ag** - Empire Room CD

- 1:30 **\*Insect Pests and Natural Enemies on Urban Farms: What We Can Learn from a Survey in Indiana** - Dr. Laura Ingwell, Purdue Univ.
- 2:00 **Site Reclamation and Post-use Challenges for Urban Farming** - Dr. Patrick Drohan, Penn State
- 2:30 **Lessons Learned: Larger-Scale Urban Soils Remediation** - John Bixler, Hilltop Urban Farm
- 3:15 **Keynote: Focusing Energies - Finding Your Balance and Strengths** - Kafi Dixon, Common Good Farm
- 4:00 **Visualizing the Future Using Benchmarking Insights** - Dan Dalton, Pasa Sustainable Agriculture

#### **26 Wholesale Marketing** - Wild Rose Room

- 1:30 **To Be Announced**
- 2:00 **To Be Announced**
- 2:30 **To Be Announced**
- 3:15 **To Be Announced**
- 4:00 **To Be Announced**

### **27 Marketing** - Cocoa Terrace/Cocoa 1

- 1:30 **How To Be A Successful Vendor at a Farmers Market** - Brian Moyer, Penn State Extension & PA Farm Markets
- 2:00 **To Be Announced** - Art King, Harvest Valley Farms
- 2:30 **To Be Announced** - Richard VanVranken, Rutgers Univ.
- 3:15 **Panel** - To Be Announced
- 4:00 **Farmers Market Data Results** - Brian Moyer, Penn State Extension & PA Farm Markets

### **28 Tree Fruit** - Nigerian Room *sponsored by the American Fruit Grower magazine*

- 1:30 **\*\*What's Behind the Numbers - Decoding Modes of Action** - Kara Pittman, Penn State
- #### **Honeycrisp Mini Seminar**
- 2:00 **Impact of Rootstock on Bitter Pit Occurrence in Honeycrisp** - Dr. Sherif Sherif, Virginia Tech
  - 2:30 **Methods (Factors) to Predict Bitter Pit in Honeycrisp** - Dr. Richard Marini, Penn State
  - 3:15 **\*Honeycrisp is a Disease Magnet: Optimizing Bitter Rot & Apple Blotch Management** - Dr. Kari Peter, Penn State
  - 3:45 **Our Experiences with Honeycrisp: A Grower Panel** - Moderator: Dr. Robert Crassweller. Growers: Tom Garretson, PA, Phil Green, NJ, Guy Moore, MD, and Henry Chiles, VA

### **Tuesday Evening, January 31, 2023**

#### **Annual Fruit & Vegetable Growers Banquet** (ticket required)

- 6:00 **Reception** - Chocolate Lobby
- 7:00 **Buffet Dinner, Awards** - Nigerian/Trinidad Room

### **Wednesday Morning, February 1, 2023**

#### **31 Tomatoes** - Magnolia Room ABC *sponsored by the American Vegetable Grower magazine*

- 9:00 **How Tomato Nutrition Relates to IPM** - Elizabeth Buck, Cornell Univ.
- 9:30 **Becoming a Plant Detective; Learn to Think 360 Degrees** - Steven Bogash, ProFarm Group
- 10:15 **Tomatoes: A Recap of 2022 and an Interactive Discussion on Fertility** - Thomas Butzler, Megan Chawner, Dr. Timothy Elkner, and Robert Pollock, Penn State Extension
- 11:00 **\*Understanding Soilborne Diseases and Their Management** - Dr. Beth Gugino, Penn State
- 11:30 **PVGA Annual Meeting** - Crystal Room - All members are urged to attend.

#### **32 Basic Vegetable Production** - Crystal Room

- 9:00 **Irrigation Basics 101** - Trevor Hardy, Brookdale Fruit Farm
- 9:30 **Water Quality Matters** - Thomas Ford, Penn State Extension
- 10:15 **\*Insect Management in Vegetables** - David Owens, Univ. of Delaware
- 11:00 **\*Developing Your Weed Control Program** - Dr. Timothy Elkner, Penn State Extension
- 11:30 **PVGA Annual Meeting** - Crystal Room - All members are urged to attend.

#### **33 Organic Vegetable Production** - Empire Room AB

- 9:00 **To Be Announced** - To Be Announced
- 9:30 **Organic Beekeeping Basic** - Dr. Robyn Underwood, Penn State Extension
- 10:15 **Learnings from the Rodale Vegetable Systems Trial** - Dr. Gladis Zinati, Rodale Institute
- 11:00 **To Be Announced** - To Be Announced
- 11:30 **PVGA Annual Meeting** - Crystal Room - All members are urged to attend.

#### **34 Greenhouse Ornamentals** - Empire Room CD

- 9:00 **Building a Fertility Program From Start to Finish** - Erica Hernandez, Griffin Greenhouse Supplies
- 9:30 **\*Managing Water Quality** - Krystal Snyder, Penn State Extension
- 10:15 **Best of the Penn State Flower Trials** - Sinclair Adam, Penn State Extension
- 11:00 **Media Matters; Managing Watering** - Troy Buechel, Premier Tech and Brett Kenney, Berger
- 11:30 **PVGA Annual Meeting** - Crystal Room - All members are urged to attend (or fifth Topic)

#### **35 Marketing** - Trinidad Room

- 9:00 **Creating an On-Farm Retail Market** - Brian Moyer, Penn State Extension, Art King, Harvest Valley Farms and Tad Kuntz, Masonic Village
- 10:15 **Consumer Trends** - Claudia Schmidt and Kathleen Kelley, Penn State
- 11:00 **Collecting Customer Insights** - Miranda Harple, Penn State Extension
- 11:30 **Get Better Business Photos with your Phone** - Miranda Harple, Penn State Extension

### **36 Small Fruit** - Cocoa Terrace/Cocoa 1

- 9:00 **How Low Tunnels Improve Effectiveness of Strawberry Biocontrols** - Dr. Samantha Willden, Purdue Univ.
- 9:30 **What We've Learned about Growing Berries over the Years** - Michael Groszkiewicz, Mason Farms
- 10:15 **Basics of Strawberry Production Using Plasticulture** - Timothy Nourse, Nourse Farms
- 11:00 **Roles Cover Crops Can Play When Growing Berries and Other Crops** - Heidi Reed, Penn State Extension
- 11:30 **\*\*Practical Adjuvant Use: Helping Growers Understand When, Where, and Why** – Collin O'Neill, Helena Agri-Enterprises

### **37 Labor/Farm Management** - Magnolia Room D

- 9:00 **To Be Announced**
- 9:30 **To Be Announced**
- 10:15 **To Be Announced**
- 11:00 **To Be Announced**
- 11:30 **To Be Announced**

### **38 Tree Fruit** - Nigerian Room *sponsored by the American Fruit Grower magazine*

- 9:00 **\*Codling Moth and Oriental Fruit Moth Management in Orchards** - Dr. Greg Krawczyk, Penn State
- 9:30 **Update on Precision Agriculture Technologies for Tree Fruit Orchards** - Dr. Long He, Penn State
- 10:15 **Split Happens: An Overview of Apple Fruit Cracking & Splitting** - Dr. Tom Kon, North Carolina State Univ.
- 10:45 **Update from U.S. Apple Association**
- 11:15 **\*Do a Better Job on Thinning Apples Based on 50 Years Experiences** - Dr. Duane Greene, Univ. of Massachusetts

### **39 Spanish** - Wild Rose Room

- 9:00 **Welcome and Ice Breaker** - Penn State Latinx Agricultural Network
- 9:30 **Hand-on Grafting** - Donald Seifrit and Maria Gorgo, Penn State Extension
- 10:30 **Blueberry Production and Pruning** - Raphi Rezza, Virginia State Univ.
- 11:15 **Worker Protection Standard Training** - Maria Gorgo, Penn State Extension and Beth Sastre, Virginia Cooperative Extension

## **Wednesday Afternoon, February 1, 2023**

### **41 Basic Vegetable Production** - Magnolia Room ABC

- 1:30 **Basic Seasonal Nutrition for Solanaceous Crop** - Steven Bogash, ProFarm Group
- 2:00 **Vine Crop Nutrition - One Plan Does Not Fit All!** - Dr. Timothy Elkner, Penn State Extension
- 2:30 **Mulching to Maximize Production** - Dr. Annette Wszelaki, Univ. of Tennessee
- 3:15 **\*Considerations When Developing a Disease Management Program** - Dr. Beth Gugino, Penn State
- 4:00 **Starting Right with High Tunnel Production** - Dr. Matt Kleinhenz, Ohio State Univ.

### **42 Organic Vegetable Production** - Crystal Room

- 1:30 **Reduced Tillage in Organic Systems** – Dr. Anu Rangarajan, Cornell Univ.
- 2:00 **Tarping For Managing Weeds** - Jason Lilley, Univ. of Maine
- 2:30 **Managing Nutrients Discussion** - Megan Chawner and Elsa Sanchez, Penn State
- 3:15 **Mending the Stress Fence** - Cynthia Pollich, Penn State Extension
- 4:00 **Interseeding Cover Crops in Late Season Vegetables** - Jason Lilley, Univ. of Maine

### **43 Stone Fruit** - Empire Room AB

- 1:30 **Respirator Fit Testing: It's Not As Scary As You Think** - Joni Davis, Penn State

- 2:00 **Ernie Christ Lecture: \*Optimizing Chemical Fruit Thinning Strategies for Peaches** - Dr. Dario Chavez, Univ. of Georgia
- 2:45 **\*Biorational Control of Peach Blossom Blight** - Dr. Norm Lalancette, Rutgers Univ.
- 3:30 **Freeze Protection of Peaches Using Nanocellulose** - Dr. Dario Chavez, Univ. of Georgia

**44 Greenhouse Ornamentals** - Empire Room CD

- 1:30 **\*Management of Damping-off and Root Rot** - Margery Daughtrey, Cornell Univ. (Virtual)
- 2:00 **\*Managing Tough Insects and Mites with Biopesticides** - Steven Bogash, ProFarm Group
- 2:30 **\*\*Fogging Applications** - Brett Kroszner, Dramm Corp.
- 3:15 **Scouting and Training Your Team to Prevent and Solve Problems** - Erica Hernandez, Griffin Greenhouse Supplies
- 4:00 **Really Tough Perennials** - Sinclair Adam, Penn State Extension

**45 Diversification in Agritourism** - Trinidad Room

- 1:30 **Let's Try Something Else! Resources for Agritourism Diversification** – Dr. Claudia Schmidt and Christi Powell, Penn State Extension
- 2:00 **Making Your Farm Insta-Perfect** - Claudia Gil Arroyo, Rutgers Cooperative Extension
- 2:30 **Agritourism Activities from a Local Municipal Perspective** - Peter Wulforst, Penn State Extension
- 3:15 **How to Pick Which Activities are Right for You and Your Customers?** – Producer panel: Lisa Godfrey, Godfrey's Farm, Megan & Jason Coopey, Way Fruit Farm, and Brandon Bear, Meadowbrooke Gourds
- 4:00 **How to Pick Which Activities are Right for You and Your Customers?** - Producer Panel continued

**46 Small Fruit** - Cocoa Terrace/Cocoa 1

- 1:30 **\*Where Strawberry Anthracnose Hides** - Leah Fronk, Penn State Extension
- 2:00 **Overview of a Project to Develop New Propagation Strategies for the Strawberry Industry** - Peter Nitzsche, Rutgers Cooperative Extension
- 2:30 **Performance of Blackberry Varieties** - Dr. Alan Leslie, Univ. of Maryland
- 3:15 **\*Herbicides for Berries and Their Strategic Uses** – Ronald David Myers, Univ. of Maryland
- 4:00 **\*Bramble Viruses: Results of a PA survey and Their Management** - Kathleen Demchak, Penn State

**47 Labor/Farm Management** - Magnolia Room D

- 1:30 **To Be Announced**
- 2:00 **To Be Announced**
- 2:30 **To Be Announced**
- 3:15 **To Be Announced**
- 4:00 **To Be Announced**

**48 Tree Fruit** - Nigerian Room

- 1:30 **\*Controlling Problem Weeds in Orchards** - Dr. Caio Brunharo, Penn State
- 2:00 **\*Managing Pear Shoot Blight & Fire Blight with Regalia** - Matheus C. Borba, Virginia Tech
- 2:45 **High Density Pear Plantings Grower Panel** - Moderator: Donald Seifrit, Growers: Clair Kauffman, PA, Steven Frecon, PA, Lynn Moore, MD, and Jason Mattson, VA
- 3:30 **Litigation Issues Surrounding Pesticide Use** - Brook Duer, Penn State

**49 Spanish** - Wild Rose Room

- 12:45 **Visit Trade Show**
- 1:30 **\*Integrated Pest and Pollinator Management** - Dr. Margarita Lopez-Urbe, Penn State
- 2:30 **\*Insect Pest Management in Apple Orchard** - Dr. Carlos Quesada, West Virginia Univ.

**Wednesday Evening, February 1, 2023**

**Social**

- 5:00 **Apple Growers Reception** - Cocoa Suites 2,3,4&5
- 7:00 **Ice Cream Social** - Great Lobby (ice served from 7:00 to 8:00)

## **71 Commercializing Your Ideas** - Empire Room AB

7:00 **Roundtable Discussion**

## **Thursday Morning, February 2, 2023**

### **51 Pumpkins** - Trinidad Room *sponsored by the American Vegetable Grower magazine*

- 9:00 **\*Enemies and Friends: Pest Control and Pollinator Conservation in Pumpkins** – Dr. Kacie Athey, Univ. of Illinois
- 9:30 **Review of Powdery Mildew Management** - Dr. Margaret McGrath, Cornell Univ.
- 10:15 **Pumpkins and More at Happy Day Farm** - Timothy Stockel, Happy Day Farm, New Jersey
- 11:00 **Pumpkins and No-till, It Can Work!** - Brian Campbell, Brian Campbell Farms
- 11:30 **Breaking Down Biodegradable Mulches for Your Production System** - Dr. Annette Wszelaki, Univ. of Tennessee

### **52 General Vegetables** - Magnolia ABC

- 9:00 **\*Evaluation of Grafted Watermelon for Fusarium Wilt Management** - Benjamin Beale, Univ. of Maryland Extension
- 9:30 **\*Vegetable Integrated Weed Management with Plasticulture and Cover Crops** - Dwayne Joseph, Univ. of Maryland Extension
- 10:15 **Yield and Quality of Sweetpotato Grown Under Protected Culture Systems** - Dr. Luis Duque, Penn State
- 11:00 **Biological Control in High Tunnel Vegetable Production** - Dr. Kacie Athey, Univ. of Illinois
- 11:30 **\*\*Pesticide Misapplications and Why They Fail** – Dr. Karly Regan, Penn State Extension

### **53 Potatoes** - Empire Room AB

- 9:00 **National Potato Council Update** - Kam Quarles, National Potato Council
- 9:30 **PotatoesUSA Update** - Kimberlee Breshears, PotatoesUSA
- 10:15 **Growing Potatoes when it is just too darn Hot to grow Potatoes** - Robert Leiby, PA CoOp Potato Growers, Inc.
- 11:00 **Penn State Potato Research Variety Trials in 2022** – Dr. Xinshun Qu, Penn State
- 11:30 **Potato Insect Update** - Tom Kuhar, Virginia Tech

### **54 Cut Flowers** - Empire Room CD

- 9:00 **Creating a Network of Cut Flower Growers in Maine** - Jason Lilley, Univ. of Maine
- 9:30 **Identifying Cut Flower Grower Needs: How Cooperative Extension in NYS is Working to Serve the Industry** – Dr. Elizabeth Lamb, Cornell Univ.
- 10:15 **\*Weed Control Options for Cut Flowers** - Alan Leslie, Univ. of Maryland
- 11:00 **Growing in High Tunnels** - Laura Beth Resnick, Butterbee Farm

### **55 Marketing and Production Tips for High Value Niche Crops** - Cocoa Terrace/Cocoa 1

- 9:00 **Cooperative Direct Marketing to Enhance Diversity of Farm Products at Walking Bird Farm** - Jennifer LaMonaca, Walking Bird Farm
- 9:30 **Growing and Marketing Ginger and Turmeric in Moveable Tunnels** - Alex Sawarsky, Rutgers Gardens: Bill Errickson, Rutgers Cooperative Extension
- 10:15 **Digital Marketing Tips for Niche Crops - Small Farms/Big Sales** - Rebecca Kutzer-Rice, Moonshot Farm and Brendon Pearsall, Rutgers Cooperative Extension
- 11:00 **Ethnic Crops and Organic Wildcrafting to Enhance Customer Diversity and Marketing Potential** - Allison Akbay, Snapping Turtle Farms
- 11:30 **Roundtable Discussion with Session speakers**

### **56 Small Fruit** - Crystal Room

- 9:00 **Blueberries: Marching to the Beat of a Different Drummer** - Robert Pollock, Penn State Extension
- 9:30 **Wild Bees and the Secret to Bigger Berries** - Dr. Margarita López-Uribe, Penn State
- 10:15 **Caring for Figs** - William Muzychko, Bill's Figs
- 11:00 **\*Efforts to Establish a Natural Enemy of SWD in the Mid-Atlantic and Beyond** – Dr. Cesar Rodriguez-Saona, Rutgers Univ., Dr. Kelly Hamby, Univ. of Maryland and Kathleen Demchak, Penn State



**57 Stone Fruit** - Wild Rose Room *sponsored by the American Fruit Grower magazine*

- 9:00 **\*Use of Accede for Chemical Thinning Peaches in Mid-Atlantic** - Dr. James Schupp, Penn State
- 9:30 **Update on Peach Rootstocks and Grower Demonstration Sites** - Dr. James Schupp, Penn State
- 10:15 **National Peach Council Update** - Kay Rentzel, National Peach Council
- 10:45 **\*Optimizing Peach Management Programs with New Materials & Mating Disruption** - Dr. Anne Nielsen, Rutgers Univ.
- 11:30 **Solutions to Armillaria Root Rot Replant Disease & Its economic Impact on Stone Fruit** - Tyler Mark and Dr. Greg Reighard, Clemson Univ.

**58 Tree Fruit** - Nigerian Room

- 9:00 **\*\*WPS Compliance What You Need to Know to be in Compliance** - Joni Davis, Penn State Univ.
- 9:30 **Economics of Replanting an Orchard** - Dr. Jay Harper, Penn State
- 10:15 **Predicting Apple Fruitlet Abscission with New Technologies** - Dr. Tom Kon, North Carolina State Univ.
- 11:00 **\*Nematode Control: Biofumigation & Other Strategies** - Dr. Kari Peter, Penn State
- 11:30 **\*Identification of *Colletotrichum* Causing Apple Bitter Rot & Management Options** - Dr. Srdjan Acimovic, Virginia Tech

**Thursday Afternoon, February 2, 2022**

**61 Sweet Corn** - Trinidad Room

- 1:30 **\*Tar Spot Identification and Management** – Dr. Alyssa Collins, Penn State
- 2:00 **NJ Grower Panel** - Jeremy Compton, America's Grow a Row and Craig Steely, Alstede Farms
- 2:45 **\*Comparing Trap Types and Pheromone Lures for Catching Corn Earworm Moths** – Dr. Brian Nault, Cornell Univ.
- 3:15 **\*\*Record-Keeping Requirements for Private Applicators** - Ed Crow, Penn State Extension
- 3:45 **\*Weed Management in Sweet Corn** - Dwight Lingenfelter, Penn State

**62 Pollinators** - Magnolia Room ABC

- 1:30 **What Makes a Good Pollinator and the Economic Benefits of Maximizing Crop Pollination** – Dr. Margarita López-Uribe, Penn State
- 2:00 **Pollination Contracts** – Dr. Robyn Underwood, Penn State Extension, and beekeeper panelists Mark Gingrich, Lindsey Moroch, and Grant Stiles
- 2:45 **Bumblebees in Greenhouse and Field Crop Production** - Agrin Davari, Plant Products
- 3:15 **\*Risk to Bees from Fungicides, Insecticides and Fungicide-Insecticide Tank Mixes** - Dr. Scott McArt, Cornell Univ.
- 3:45 **Integrated Pest and Pollinator Management for Vine Crops** – Dr. Ashley Leach, Ohio State Univ.
- 4:15 **Open Discussion** - Needs for pollination research and education topics

**63 Potatoes** - Empire Room AB

- 1:30 **\*Managing Blackleg and Soft Rot of Potato from Seed to Field and Storage** – Dr. Jianjun Hao, Univ. of Maine
- 2:00 **Managing Nitrogen and Other Nutrients on Pennsylvania Potatoes** - Jonathan Price, Sterman Masser, Inc.
- 2:45 **\*Help! My Potatoes are Rotting** – Dr. Jianjun Hao, Univ. of Maine
- 3:15 **\*\*To Be Announced Core Credit**
- 3:45 **Potato Marketing Update** - Nathan Tallman, PA CoOp Potato Growers, Inc.
- 4:30 **Annual Business Meeting** - PA CoOp Potato Growers, Inc

**64 Equipment Technology** - Wild Rose Room

- 1:30 **Sprayer+Mower Combo Designed for Orchard Use** - Dale Roberts
- 2:00 **To Be Announced**
- 2:45 **Farmer-Developed Specialized Equipment** - John Shenk, Shenk Berry Farm
- 3:15 **A Primer on Agrivoltaics and Remote-Control High Tunnel Sidewall Motors** - Dr. Matthew Kleinhenz, Ohio State Univ.

**65 Digital Marketing and Online Sales** - Cocoa Terrace/Cocoa 1

- 1:30 **Developing a Podcast** - Donald Seifrit, Penn State Extension

- 2:00 **TikTok** - Miranda Harple, Penn State Extension
- 2:45 **Online Sales Strategies: Our Experiences with Amazon** - Lonnie Kauffman, Kauffman Orchards
- 3:15 **Tricks of the Trade Roundtable** – Shannon Dill, Univ. of Maryland Extension

**66 Small Fruit** - Crystal Room

- 1:30 **Draper Drop, Blueberries that Won't Size, and More** - Dr. Gary Pavlis, Rutgers Univ.
- 2:00 **Managing Wildlife in Small Fruit Production** – Luke Macaulay and Chris Cochran, Univ. of Maryland
- 2:45 **\*What's New with Blueberry Diseases** – Dr. Peter Oudemans, Rutgers Univ.
- 3:15 **\*\*Site Analysis before Making a Pesticide Application** – Dr. Jamie Kopco, Penn State

**67 Farm Management/Labor** - Wild Rose Room

- 1:30 **To Be Announced**
- 2:00 **To Be Announced**
- 2:45 **To Be Announced**
- 3:15 **To Be Announced**
- 3:45 **To Be Announced**

**68 Tree Fruit** - Nigerian Room

- 1:30 **\*Advances in Insect Monitoring Tools in Fruit** - Dr. Greg Krawczyk, Penn State
- 2:00 **Early Results of Two Leader Apple Tree Systems** – Dr. Robert Crassweller, Penn State
- 2:30 **Water Quality and Sanitizers when Grading Fruit & Utilization of Culls & Drops** - Dr. Rohan Tikekar, Univ. of Maryland

**Alternative Crops Sessions**

- 3:00 **Potential for Hops in the Mid-Atlantic** - Bryan Butler, Univ. of Maryland
- 3:30 **Pawpaw Potential for the Mid-Atlantic Fruit Industry** - To Be Announced
- 3:50 **Hardy Kiwi Potential for the Mid-Atlantic Fruit Industry** - To Be Announced