Mid-Atlantic Fruit and Vegetable Convention
2016 Educational Program

Updated as of 12/1/15

** indicates topic expected to qualify for a category pesticide update training credit*
*** indicates topic expected to qualify for a core pesticide update training credit*
**** indicates topic expected to qualify for a fumigation update training credit*

Monday, February 1, 2016 Pre-Convention Workshops
Unless otherwise noted, workshops will be conducted at the Hershey Lodge and Convention Center in Hershey.

Farm Transition
$40.00 fee (includes lunch) - 9:00 a.m. to 4:00 p.m.
This one day session is designed to provide farm families with critical resources to navigate through transitioning the farm from one generation to the next. You will interact with both nationally recognized experts and farm families who are currently working through the transitioning process.

9:00 **What You Need to Know When Transitioning the Farm From One Generation to the Next** - Louis Shuntich, Advanced Consulting Group with Nationwide Ins.
1:00 **Farm Family Communications - Dynamics and Challenges and Family Meeting Guidelines** - Darlene Livingston, PA Farm Link
2:45 **Families in the Arena** - Lenny Burger Jr. & Lenny Burger III Burgers Farm; Lewis & Robin Peregrim, Miller's Orchard Farm Market

Pesticide Applicators License Training
$60 fee (includes lunch) - 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 in Pennsylvania, then you need a Pennsylvania Department of Agriculture (PDA) Pesticide License. To become a certified private applicator, testing is required. This full day session on February 1 will cover the basics and prepare you for the pesticide applicator's exam (which will take place morning of February 2 from 8:30 a.m. – 11:30 a.m.). Fee includes the Private Applicator Packet (course and study material).

Tools for Farm Food Safety Planning, GAP Audits, and FSMA Compliance
$50 fee (includes lunch) - 9:00 a.m. to 3:30 p.m.
This workshop will assist growers who are writing a USDA Harmonized GAP food safety plan and who are preparing for a GAP audit. In addition, we will provide updates on the Produce Safety Rule of the Food Safety Modernization Act (FSMA), including scope, coverage, exemptions and timelines for compliance. Limited to 50 participants. Speakers will include Dr. Luke LaBorde, Penn State Univ.; Judy Martin, Penna. Dept. of Agriculture; Lee Stivers, Penn State Ext.; and **T**homas Ford, Penn State Ext.

Hops Production 101
$90.00 fee (includes lunch) - 9:00 a.m. to 3:30 p.m.
This one day session on hops production is designed to educate hops growers and prospective hops growers on site selection, nutrient management, pest management, harvesting and processing of hops, and how to work with local brewers to market hops

9:00 **Site Selection and Pre-Plant Considerations for Eastern Growers** - Steve Miller, Cornell Coop Ext
9:45 **Nutrient Management in Commercial Hops Plantings** - Thomas Ford, Penn State Ext.
10:30 **Growers Perspective on Training and Planting Hops** - Noah Petronic, Keystone Hops
11:00 **Weed Management in Hops Production Systems** - Timothy Weigle, Cornell Univ
11:30 **How Brewers Use Hops, What Varieties and Why** - John Trogner, Troegs Brewery
1:00 **Insect and Disease Management in Commerical Hops Production Systems** - Timothy Weigle, Cornell Univ
1:45 **Harvesting and Processing of Hops for Eastern Growers** - Steven Miller, Cornell Coop Ext
2:15 **Economic Considerations for Commercial Hops Production** - Kevin Martin, Penn State Ext.
3:00 **Experiences With Using Local Hops and Local Growers** - John Trogner, Troegs Brewery

Hard Cider from Seed to Sip – Business and Production Workshop
$120 fee - 1:00 p.m. to 5:00 p.m.

This workshop will be conducted at The Vineyard and Brewery at Hershey, 598 Schoolhouse Road, Middletown, PA 17057, http://vineyardathershey.com/the-brewery/
(fee includes networking from 5:00 to 6:00 p.m. with tapas by Sophia's at Walden and an opportunity to try Hershey Brewery Ciders)

1:00 **Welcome**

1:05 **Hard Cider Market Trends** - Carla Snyder, Penn State Extension, Marketing & Ag Entrepreneurship
U.S. hard cider market trends with a focus on Mid-Atlantic market sales, consumer outlook and competition.

1:30 **Developing the Modern American Hard Cider Orchard** - Eric Shatt, Cornell University, Horticulture & Redbyrd Cider
Challenges of growing cider apples, choosing your varietal blend, orchard design and much more.

2:30 **Benchmark Tasting of Fruit Ciders**
Tasting to focus on select fruit ciders to evaluate style relative to fruit ciders from a commercial or craft perspective. Data (i.e., residual sugar, alcohol, tannin) presented on each hard cider along with sensory descriptors and production techniques. Led by Denise Gardner.

3:30 **Content Marketing** - Mary Bigham, Town & Dish Works LLC
Customized, professional content marketing to increase sales, customer engagement and brand awareness for your cidery!

4:00 **Hard Cider Production: A Closer Look at Fermentation** - Denise Gardner, Penn State Extension, Enology
Dive into the world of primary fermentation from yeast selection to stylistic options available for hard cider producers.

Pruning by the Numbers – Simplified Rules for Pruning and Training Tall Spindle Systems
$15 fee – 1:30 p.m. to 3:30 p.m.
This workshop will be conducted at the Penn State Fruit Research & Extension Center 290 University Drive, Biglerville, PA 17307http://agsci.psu.edu/frec.
Topics to discussed and demonstrated:

- **Pruning Tall Spindle Trees at Various Tree Spacings**
- **Simplified Pruning and Training Strategies**
- **Economic Impacts based on Yield and Fruit Size**

Farm Market Bus Tour
$60 fee (includes lunch) – Time to be announced..
This all-day bus tour will leave and return to the Hershey Lodge and Convention Center. Stops include Kauffman's Fruit Farm and Market (including their own cider pressing and canning operations) in Bird-in-Hand; Cherry Hill Orchards Outlet in Lancaster, Country Barn Farm Market in Lancaster and Kegel's Produce in Lancaster,

Tuesday Morning, February 2, 2016
Wildlife Management

9:00 **History and Status of Fencing for Wildlife Management** - Frank Otto, Summit Ag Systems

9:45 **Managing Deer Damage in Your Enterprise** - Jonathan Kays, Univ. of Maryland Ext.

Cover Crops

9:00 **Beneficial Cover Crop Mixes for Vegetable Rotations** - Kaitlin Dye, Cover Crop Solutions LLC

9:45 **Nutrient Recovery In Cover Crops** – Steven Groff, Cedar Meadow Farms

Herbs

9:00 **Getting Started with Growing Culinary Herbs** – Dr. Elsa Sanchez, Penn State Univ

9:45 ***Basel Downy Mildew: Management and Progress in Research** – Dr. Andrew Wyenandt, Rutgers Coop. Ext.

Organic Vegetable Production

9:00 **Minimum Tillage and Cover Cropping for Managing Weeds in Organic Vegetables** – Dr. Cerruti Hooks, Univ. of Maryland

9:45 **Low Soil Inorganic N is Not so Yield Limiting in Established Organic Systems** – Dr. Alison Grantham, Blue Apron

Food Banking

9:00 **Overview of Food Banking** - Sheila Christopher, Hunger Free Pennsylvania

9:45 **Tax Policy for Food Donations** - Carrie Calvert, Feeding America

Introduction to Hops

9:00 **Site Selections and Pre-Plant Considerations & Basic Management for Eastern Growers** - Steve Miller, Cornell Coop Ext
9:45 **Pest Management in Hops Production Systems** - Timothy Weigle, Cornell Univ
10:10 **Economic Considerations of Commercial Hops Production** - Kevin Martin, Penn State Ext.

GMO's
9:00 **GMO Basics, The Science of it and Crafting Marketing Messages** - William Hlubik, Rutgers Coop. Ext & Heather Mikulas, Penn State Univ.
9:45 **Consumer Perceptions of GMO's and Mandatory Labeling** – Dr. William Hallman, Rutgers Univ.

Tree Fruit
9:00 **Invocation** – Ed Weaver, Weavers Orchard
9:05 **President's Address** – Timothy Weiser, State Horticultural Association of Pennsylvania
9:15 ***Managing Nematodes in Tree Fruit Orchards** – Dr. Kari Peter, Penn State Univ.
9:45 **George Goodling Lecture - How We Will Survive the FSMA and the Next Challenge, Whatever It Is -** John Rice, Rice Fruit Company

Keynote
10:45 **Mid-Atlantic Legislative Affairs Update**
11:00 **Keynote Presentation** – Discuss the Undiscussabull – Tools for Talking about the Tough Issues in Farm Transfer - Elaine Froese, Family Farm Coach

Tuesday Afternoon, February 2, 2016
Sweet Corn
1:00 ****Storage and Spills** – Dr. Timothy Elkner, Penn State Ext.
1:30 ***Fall Armyworm Migration - Implications for the Mid Atlantic** - Robert Meagher Jr, USDA, ARS
2:00 **No-Till Planter Set-Ups - Do's and Don't's** - Thomas Strzelecki, Covered Wagon Produce
2:30 ***Cover Crops for Weed Management and N-Supply** - Steven Mirsky, USDA, ARS
3:15 **Early Season Production** – Ronald & William Beinlich, Triple B Farms; Brenton Barnhart, Country Creek Produce; Mark & Andrew Duda, Duda's Farm; Harold Weaver, Meadowgate Vista Farm

Food Safety Crisis Management
1:30 **Impact of FSMA on Mid Atlantic Growers** – Dr. Wesley Kline, Rutgers Coop. Ext.
2:00 **Can Cow Manure Be Used Safely as Fertilizer for Vegetables?** – Dr. Jeffrey LeJeune, Ohio State Univ.
3:15 **Are You Ready for a Recall** - Amy Philpott, Watson Green LLC

Root Crops
1:30 ***Gain the Upper Hand in Weed Control by Understanding the Enemy** - Darcy Telenko, Cornell Coop Ext.
2:00 **Growing and Marketing Root Crops at Everblossom Farm** - Elaine Lemmon, Everblossom Farm
2:30 **Variety Selection for Flavor, Nutrition and Marketing** - Jan Van Der Heide, Bejo Seeds
3:15 ***Insect Pests of Root Crops** – Dr. Shelby Fleischer, Penn State Univ
4:00 ****Overlooked Steps to Getting the Correct Rate of Pesticides** - Lee Stivers, Penn State Ext.

Organic Vegetable Production
1:30 ***Weed Management in Organic Onions** - Bryan Brown, Univ. of Maine
2:00 ***Scouting Insects in High Tunnels** - Kathleen Ayers, Penn State Univ
2:30 ***Using Biocontrols for Insect Pests in High Tunnels** – Dr. Margaret Skinner, Univ. of Vermont
3:15 ***Identifying Common Natural Enemies in High Tunnels** – Dr. Margaret Skinner, Univ. of Vermont
4:00 **Planning Diversified Crops for Winter Income** - Elaine Lemmon, Everblossom Farm

Hydroponics
1:30 **Tomatoes Varieties for Hydroponics in the Mid-Atlantic** - Natalie Bumgarner, Univ. of Tennessee
2:00 ***Keeping Hydroponic Systems Clean Using Peroxides** - Vijay Kumar Choppakatla, BioSafe Systems
2:30 ***Utilizing Microbial Probiotics in Hydroponic Lettuce Production** - Natalie Bumgarner, Univ. of Tennessee
3:15 **Chasing Nutrient Solutions Targets** - Thomas Childs, Twin Springs Fruit Farm
4:00 ***Downy Mildew in Hydroponic Basil** - Thomas Ford, Penn State Ext.

Labor/Farm Management
To be announced

Wholesale Marketing

1:30 **Food Hubs - Enhance Your Understanding of This Newer Method to Get Farm Fresh Food to Consumers** - Ann Karlan, Fair Food

2:15 **Farm To School - Recent Successes and Future Opportunities to Connect Local Produce with School Food Programs** - Vonda Cooke, Child Nutrition Program

3:15 **Direct Store Deliveries - Meeting Criteria, Building Relationships and What We Do to Exceed Expectations** - James Weaver, Meadow View Farm

4:00 **Produce Auctions - Trends in This Industry and What is On the Horizon** - Bennie C. Yoder, Countryside Produce Auction

Tree Fruit - Honeycrisp Symposium

1:30 **Fruit Packer Observations on Honeycrisp Post-Harvest Disorders** - Benjamin Rice, Rice Fruit Company

2:00 **Three Years of Storage Research on Pennsylvania Honeycrisp—Implications for Growers and Packers** - Christopher Watkins, Cornell Univ.

3:00 **Growing Tips for Honeycrisp - Grower Panel**
Dr. Tara Baugher, Penn State Ext. (moderator); Bennett Saunders, Saunders Brothers Orchard; Nathan Milburn, Milburn Orchards; Joseph Lerew, Lerew Orchards

3:45 **Rootstocks and Site Preparation for Honeycrisp** - Rob Crassweller, Penn State Univ.

Wednesday Morning, February 3, 2016

Tomatoes

9:00 **Penn State Variety Update** – Dr. Majid Foolad, Penn State Univ.
9:30 ***Looking at Nanomaterials for Bacterial Spot Control** – to be announced
10:15 ***Tomato Disease Update - Planning for 2016** – Dr. Beth Gugino, Penn State Univ.
11:00 ***Detection of Canker and Salmonella in Irrigation Water** - Nitika Khatri, Ohio State Univ.
11:30 **PVGA Annual Meeting** – Crystal Room

General Vegetables/IPM

9:00 **Update on Biodegradable Mulch** – Dr. Michael Orzolek, Penn State Univ Emeritus
9:30 ****Air Blast Sprayer Calibration** - Eric Oesterling,
10:15 **All Season Field Production of Lettuce** – Arthur King, Harvest Valley Farms
11:00 **Celery Production –** Dr. Michael Orzolek, Penn State Univ Emeritus
11:30 **PVGA Annual Meeting** – Crystal Room

Greenhouse Skills

9:00 **Potting Media Management** – Dr. Youbin Zheng, Univ. of Guelph
9:30 ****Water Quality - Impact on Pesticide Efficacy and Plant Production** - Thomas Ford, Penn State Ext.
10:15 **Deconstructing Fertilizer Formulas** – Dr. Cari Peters, J R Peters Inc
11:00 ***Managing Western Flower Thrips Using Biocontrols** - Scott Creary
11:30 **PVGA Annual Meeting** – Crystal Room

Peppers and Eggplant

9:00 **Pepper Variety Trials** – Sheldon Sutton, Rupp Seeds
9:30 **Broad Mites in Peppers –** Steven Bogash, Penn State Ext.
10:15 **Diseases of Peppers –** Dr. Andrew Wyenandt, Rutgers Univ.
11:00 **Peppers and Eggplant for Ethnic Markets –** Thomas Strzelecki, Covered Wagon Produce
11:30 **PVGA Annual Meeting** – Crystal Room

Small Fruit

9:00 ***Spotted Wing Drosophila - When Do I Really Need to Start Spraying?** – Dr. Gregory Loeb, Cornell Univ.

9:30 **Closing the Loop in Recycling Ag Plastics - It Can Be Done!** - Ron Davis, Davis Enterprises Inc

10:15 ***Thrips Galore, and We Don't Want More!** – Dr. Margaret Skinner, Univ. of Vermont & Kathleen Demchak, Penn State Univ.

11:00 **Performance of New Strawberry Varieties in Plasticulture and Matted-Row Field Trials** – Dr. Timothy Elkner, Penn State Ext. & Kathleen Demchak, Penn State Univ.

Business Planning for Direct Marketers

9:00 **Yes, You Really Do Need a Business Plan** - Keith Dickinson, Farm Credit East
10:00 **You Think you're Being Smart, but…** - Ed Weaver, Weavers' Orchard, David Fleming Jr., Shady Brook Farm & Caleb Torrice, Tabora Farm
11:30 **Family Dynamics - I Can't Fire My Sister!** - Elaine Froese, Family Farm Coach

Wine Grapes

9:00 **What People Should Know Before Establishing Their Vineyard** – Dr. Joseph Fiola, Univ. of Maryland:
9:45 **Identifying and Managing Weed Problems That Escape Conventional Practices** - Andy Senesac, Cornell Coop. Ext.
10:15 **Ecological Considerations for Winegrape Growers** - Alice Wise, Cornell Coop. Ext.
11:00 **Evaluation of Winegrape Cultivars for Cool Climate Regions -** Michela Centinari, Penn State Univ.:
11:30 **The Essentials of Grape Nutrient Management** – Dr. Gary Pavlis, Rutgers Coop. Ext.

Tree Fruit

9:00 **Performance of European Pears** – Dr. James Schupp, Penn State Univ.
9:30 **The Continuing Quest for Optimal Harvest Management & Storage of Apples** - Christopher Watkins, Cornell Univ.
10:15 **Rootstock Scion Combination Observations** - Bryan Butler, Univ. of Maryland
10:45 ****The Worker Protection Standard is Here** - James Harvey, Penn State Univ.
11:15 **The Young Grower Alliance & Precision Management Innovations** - Russell Homberg, Ben Lerew, Mark Boyer

Spanish

9:00 **Practica sobre Identificación de Malezas (Hands-On Weed Identification) -** Dwight Lingenfelter & Lee Stivers, Penn State Ext.; Beth Sastre, VCE-Loudon Ext. Office
10:00 ***Técnicas de MIP para Producción en Macrotúnel (IPM Techniques for High Tunnel Production)** - Maria Gorgo (NRCS), Noel Soto (NRCS), Cathy Thomas (PDA)
10:45 ****Protegernos y Nuestras Familias de la Exposición a Pesticidas (Protecting Yourself and Your Family from Pesticide Exposure)** - Hector Nunez-Contreras, Penn State Ext.

Wednesday Afternoon, February 3, 2016

Tomatoes

1:30 ***Bio Pesticides - Where Is the Future** - Timothy Johnson, Marrone Bio Innovations
2:00 ****Storage and Spills** – Dr. Timothy Elkner, Penn State Ext.
2:30 ***Fruit Rots and Timing of the Last Fungicide Application – What's the Best Approach?** - Cheryl Trueman, Univ. of Guelph
3:15 **Top Tomato Production** - Steven Bogash, Penn State Ext.
4:00 ***What We Have Learned about Managing Stink Bugs in Tomatoes** – Dr. Thomas Kuhar, Virginia Tech

General Vegetables

1:30 **Succession Planting** – Dr. William Lamont, Jr., Penn State Univ
2:00 **Asparagus Production** – Dr. Thomas Orton, Rutgers Co-op Ext.
2:30 ***Evaluating Select Management Strategies for Bacterial Diseases of Onion** - Jennie Mazzone, Penn State Univ
3:15 **How Plant Growth Promoters Size Grain and Fill Fruits** – Dr. Richard Woodward, Stoller USA
4:00 ***New Vegetable Herbicides** – Dr. Mark Van Gessel, Univ. of Delaware

Greenhouse Ornamentals

1:30 ***Diagnosing Disease Problems in the Greenhouse** - Virginia Brubaker, GGS-Pro
2:00 ***Diagnosing Insect Problems in the Greenhouse** - Virginia Brubaker, GGS-Pro
2:30 **Succulents - All the Juicy Details** - John Friel, Emerald Coast Growers
3:15 **Best Plants From the 2015 Penn State Flower Trials** - Sinclair Adam, Penn State Ext.
4:00 **LED's in Greenhouse Production** – Dr. Youbin Zheng, Univ. of Guelph

Specialty Crops

1:30 **Outstanding New PawPaws** - Carl Cantaluppi, North Carolina Ext.
2:00 **You Can Grow Ginger** - Leah Tewksbury, Tewksbury Grace Farms
2:30 **Chick Peas Have Potential** - John Esslinger, Penn State Ext. & Joseph Yodock
3:15 **Growing Okra on Plastic** – Dr. William Lamont, Jr., Penn State Univ

4:00 ****Get My Drift?** - John Esslinger, Penn State Ext.

Agritourism

1:30 **How to Handle Large Crowds at Your AT Events** - Timothy VonThun, VonThun Family Farm
2:00 **Practival Advice for Managing Liability on Agritourism Farms** - Brian Schilling, Rutgers Coop. Ext.
2:30 **Tips for Hiring and Managing Employees for Agritourism** - Gillian Armstrong, Rutgers Univ. & William Hlubik, Rutgers Coop. Ext.
3:15 **Agritourism Need Not to be a Risky Business** - Patricia Hastings, Rutgers Coop Ext.
4:00 **Consumers Want to Know Their Farmer, But Do Farmers Know Their Customers** - Richard VanVranken, Rutgers Univ.

Peaches

1:30 ***Contribution of Mid-Season Cover Sprays to Management of Peach Brown Rot at Harvest** - Norm Lalancette, Rutgers Univ.
2:15 ***The Use ProGibb and ReTain to Reduce Peach Flower Bud Density & Enhance Fruit Firmness** - Win Cowgill, Rutgers Univ.
3:00 **Peaches: Trends and Opportunities** - Eric Gaarde, Gaarde FoodSource
3:45 ***Bacterial Spot Management in Stone Fruit** - Sarah Bardsley Capasso, Penn State Univ.

Wine Grapes

1:30 **Clean Plant Material - An Effective Strategy for Disease Prevention in the Vineyard** - Hemant Gohil, Rutgers Coop. Ext.
2:00 **Early Season Disease Control for Mid-Atlantic Wine Grape Production** - Bryan Hed, Penn State Univ.:
2:45 **Diagnosis and Integrated Management of Late Season Fruit Rots in Wine Grapes** – Dr. Cassandra Swett, Univ. of Maryland
3:30 **Update on Spotted Lanternfly Research in Grapes** – Dr. Michael Saunders, Penn State Univ.

Tree Fruit

1:30 ****Top Ten Tips for Pesticide Applicators** – Dr. Kerry Richards, Penn State Univ.
2:00 ***Attract and Kill for BMSB** - Chris Bergh, Virginia Tech
2:45 **US Apple Association & PA Apple Marketing Board Updates**
3:30 ***Solid Set Systems as a Novel Method of Delivering Chemical Inputs in Apple -** Dr. Larry Gut, Michigan State Univ.

Spanish

1:15 **Visita al Mercado de Productores de la Villa Masónica** – *This session will be held at Masonic Village, 310 Eden View Road, Elizabethtown.*
1:20 **Poda Básica y Principios de Manejo de Carga del Cultivo de Arboles de Manzana (Basic Pruning/ Crop Load Management Principles for Apple Trees)** - Mario Miranda Sazo, Cornell Coop. Ext.
2:00 **Equipo de Crecimiento de Frutales – Comunicación en Áreas de Trabajo (The Fruit Growing Team – Workplace Communication)** - Miguel Saviroff, Penn State Ext.
2:30 **Pasos para Podar Arboles de Manzana en un Sistema de Eje Alto (Steps for Pruning Apple Trees to the Tall Spindle System)** - Mario Miranda Sazo, Cornell Coop. Ext.

Thursday Morning, February 4, 2016

Vine Crops

9:00 ***New Options for Cucumber Beetle Management** – Dr. Shelby Fleischer, Penn State Univ
9:30 **Growing Seedless Watermelons** – Dr. Gordon Johnson, Univ. of Delaware
10:15 ***Weed Control in Vine Crops - Making the Most With What We Have Available** – Dr. Mark Van Gessel, Univ. of Delaware
11:00 **Seedless Watermelon Varieties - Results of the SE PA Trial** - Tanner Delvalle, Penn State Ext.
11:30 **Biological Strip-Till for Vine Crops** – Dr. Gordon Johnson, Univ. of Delaware

Bio Controls in High Tunnels

9:00 ***Managing Key Pests of Tomatoes with Biocontrols** - Scott Creary
9:30 **TerraGrow and TerraClean 5.0 in High Tunnel Systems** - Vijay Kumar Choppakatla, BioSafe Systems
10:15 ***Pathways to Biological Control - Case Studies from the 2015 Growing Season** - Nicolas Ellis, Norden Agricultural LLC
11:00 ***Managing Leaf Mold in High Tunnel Tomatoes** - Steve Bogash, Penn State Ext.
11:30 **Root Zone Temperature Management** - Natalie Bumgarner, Univ. of Tennessee

Potatoes

9:00 **Update from the United States Potato Board** - Nolan Masser, Red Hill Farms Inc and David Fraser, United States Potato Board
9:30 **Review of the 2015 Potato Season** - Robert Leiby, PA Coop Potato Growers
10:15 **Fertility Management for Potatoes** – Dr. Steven Johnson, Univ. of Maine Coop. Ext.
11:00 ***General Disease Update** – Dr. Beth Gugino, Penn State Univ.
11:30 ***Insect Control Measures** – Dr. Thomas Kuhar, Virginia Tech

Cut Flowers

9:00 ***Biologically Based Approaches to Disease Management in Specialy Cut Flowers** - Thomas Ford, Penn State Ext.
9:30 **High Tunnels as Overwintering Structures for Perennials and Semi-Hardy Annual Cut Flowers: A Sharing of Experiences** – Dr. Chris Wien, Cornell Univ.
10:15 **Hybrid Liliums & Other Bulb Crops for Summer Production** - Ko Klaver, Botanical Trading Co
11:00 **Utilizing Topping Pinching Techniques to Increase Floral Stem Yield in Cut Flowers** – Dr. Chris Wien, Cornell Univ.
11:30 **Grower's Prespective on the Cut Flower Industry** - Michelle Elston, Roots Cut Flower Farm LLC

Small Fruit

9:00 ***What's New in Biofumigants for Strawberry Production** – Dr. Charles Johnson, Virginia Tech
9:30 **Pruning Brambles - Increase Harvest Efficiency and Winter Hardiness While Improving SWD Management** - Nathan Nourse, Nourse Farms
10:15 ***A National Research Effort to Manage Spotted Wing Drosophila and Recent Advances in Biology and Management** – Dr. Hannah Burrack, North Carolina State Univ. & others to be announced
11:00 ***Strawberry Diseases and Early Season Stunting** – Dr. Charles Johnson, Virginia Tech
11:30 ***Strawberry Crown Rots - How to Tell Them Apart and Differences in Control** – Dr. Cassandra Swett, Univ. of MD

Marketing 101

9:00 **Capturing Your Virtual Customer** - Rebecca Frimmer, Kitchen Table Consultants
10:15 **Are Your Products Paying the Rent?** - Josh Smith, Frecon Farms
11:15 **Business Collaborations to Expand Your Market - The Partnership of a Hard Cidery and Diversified Farm Market** - Reed Soergel, Soergel Orchards

Stone Fruit

9:00 ***Ernie Christ Lecture** - **Getting Back into an IPM Program in Peaches & Nectarines** – Dean Polk, Rutgers Univ.
10:00 **Cherry Rootstock Update –** Dr. Rob Crassweller, Penn State Univ.
10:30 **Nectarine Varieties – 50 Years of Experiences in the East** - Jerry Frecon, Adams County Nursery
11:15 **Peach Genetics and Breeding for the Future** Ralph Scorza, USDA, Kearneysville

Tree Fruit

9:00 ***Fungal Leaf Pathogens of Apple** - Keith Yoder, Virginia Tech.
9:30 ***Mating Disruption Then, Now and the Future** – Dr. Larry Gut, Michigan State Univ.
10:30 **Getting to the Root of the Tree -** Emily Lavely, Penn State Univ.
11:00 **What Affects the Tree's Photosynthesis Factory** – Dr. Richard Marini, Penn State Univ.
11:30 **Flower Power: Apple Pollen Tube Growth and its Management** - Thomas Kon, Penn State Univ.

Thursday Afternoon, February 4, 2016

Pumpkins

1:30 ***Update on Insect Pest Management Research in Pumpkins** – Dr. Thomas Kuhar, Virginia Tech
2:00 **Tale Of A Thousand Pumpkins - Creating Magic at the Arboretum at Penn State's Pumpkin Festival** - Shari Edelson, Penn State Univ
2:30 ***Soil Borne Cucurbit Disease Management and a Foliar Disease Update** – Dr. Beth Gugino, Penn State Univ.
3:15 ***Palmer Amaranth and Waterhemp Anxieties - Management and Legal Implications?** - Dwight Lingenfelter, Penn State Univ.

High Tunnels

1:30 **Supplemental Heating for High Tunnels** - David King, Harvest Valley Farms

2:00 **Plastic Films for High Tunnels** – Dr. Michael Orzolek, Penn State Univ Emeritus
2:30 **Managing Key Pests of Peppers and Cucumbers with Biocontrols** - Scott Creary
3:15 ***Pesticide Sprayers for High Tunnels** - Thomas Ford, Penn State Ext.
3:45 **Growing Cucumbers in High Tunnels** - Steven Bogash, Penn State Ext.

Potatoes

1:30 **Developing Infrastructure in MSU Potato Breeding Program to Facilitate Bringing New Specialty to Small Growers** – Dr. David Douches, Michigan State Univ.
2:00 ***Dickeya, an Emerging Pathogen on Potatoes** – Dr. Steven Johnson, Univ. of Maine Coop. Ext.
2:30 **New Varieties for Pennsylvania Potato Growers** - Michael Peck, Penn State Univ.
3:15 **New Opportunities in Disease Resistant Breeding in Potatoes** – Dr. David Douches, Michigan State Univ.
3:45 **Blue and White Potato Chips** – Dr. William Lamont Jr., Penn State Univ

Innovations Equipment & Infrastructure

1:30 To be announced
2:00 **Future of Drones in Ag** – Paul Caskey, SkyPhilly
2:30 **Irrigation Optimization** – to be announced
3:15 **Is There a Future in Interseeding Cover Crops?** - Corey Dillon, Penn State Univ
3:45 To be announced

Small Fruit

1:30 **Crop Production Methods in Beach Plum and Aronia** - Jenny Carleo, Rutgers Coop. Ext.
2:00 ***Demystifying Blueberry Declines in the Mid-Atlantic** – Dr. Cassandra Swett, Univ. of MD
2:30 **Understanding Winter Hardiness and Injury in Blueberries** – Dr. Mark Ehlenfeldt, USDA - ARS
3:00 ***Recent Developments in Blueberry Pest Control Options –** David Trinka, MGB Marketing
3:30 ***Practical Monitoring and Management of Spotted Wing Drosophila in Highbush Blueberries** – Dean Polk, Rutgers Univ.

Social Media and Technology

1:30 **Apps, Sensors and Technology for Crop Results** - Ben Butler, Butlers Orchard
2:00 **Using Videos to Share Your Story** - Sarah Cornelisse, Penn State Univ.
2:30 **Social Media Realities** - Shannon Dill, Univ. of Maryland Ext.
3:15 **Tricks of the Trade** - Shannon Dill, Univ. of Maryland Ext.

Peaches

1:30 **Ripening in Peach & Nectarine & Internal Breakdown – Dr.** Christopher Walsh Univ. of Maryland
2:00 **National Peach Council Industry Update** - Kay Rentzel, National Peach Council
2:30 **Microbiology of an Orchard Soil** - David Eissenstat, Penn State Univ.
3:00 **Managing Nematodes in Tree Fruit Orchards** – Dr. Kari Peter, Penn State Univ.
3:30 ****Sprayer Deposition** – Dr. Kerry Richards, Penn State Univ.

Tree Fruit

1:30 ****Effect of Water Quality on Pesticides** - Dr. Kerry Richards, Penn State Univ.
2:00 ***How to Use Harvista Technology** - Dr. Nancy Brill, AgroFresh
2:45 ***Managing BMSB as Part of the Total Insect Pest Management System** - Dr. Greg Krawczyk, Penn State Univ.

2016 New Jersey State Horticultural Society Membership and Advanced Registration

for the Mid-Atlantic Fruit & Vegetable Convention, Hershey Lodge & Convention Center - February 1 - 4, 2016

JOIN NJSHS TO QUALIFY FOR THE CONVENTION MEMBER RATE

STEP 1 - FARM/BUSINESS INFORMATION (PLEASE PRINT)

FARM/BUSINESS NAME		
STREET ADDRESS		
CITY	STATE	POSTAL CODE
E-MAIL	PHONE	

STEP 2 - MAILING PREFERENCE (Please check preference)

☐ E-mail me! (receive 4 electronic issues of *Horticulture News*) - included in membership fee.

☐ I would like to receive a printed copy of *Horticulture News* via US Mail. I will pay the additional $35.00 a year fee please circle below.

STEP 3 - SPECIAL OFFER WITH NJSHS REGISTRATION

☐ **FREE** 1 year subscription to *Country Folks Grower* , *Fruit Grower News & American Fruit Grower.*

STEP 4 - ATTENDEE ADVANCED REGISTRATION: MUST BE POSTMARKED ON OR BEFORE JAN. 15, 2016

Please **CIRCLE** the following that applies to you.

Only 1 person per farm or business needs to be a member.

PLEASE PRINT NAME

		2016 NJSHS MEMBER			NON-MEMBER		WORKSHOPS MON. FEB. 1, 2016								
	NJSHS 2016 DUES	ADVANCED (3 DAY) REGISTRATION MEMBER	ADVANCED (3 DAY) REGISTRATION ADDITIONAL (Family or Employee)	WALK IN 3-DAY	WALK IN 1-DAY	WALK IN 3-DAY	Growers Dinner Tue. Feb. 2 6:00 pm	Farm Market Tour	Hard Cider	Tall Spindle Pruning	Hops Production	Food Safety	Farm Transition	Horticulture News US Mail	TOTAL
1. Member	$50	$65	—	$80	$110	$150	$35	$60	$120	$15	$90	$50	$40	$35	$
2. Additional	—	—	$60	$80	$110	$150	$35	$60	$120	$15	$90	$50	$40	—	$
3. Additional	—	—	$60	$80	$110	$150	$35	$60	$120	$15	$90	$50	$40	—	$
4. Additional	—	—	$60	$80	$110	$150	$35	$60	$120	$15	$90	$50	$40	—	$
5. Additional	—	—	$60	$80	$110	$150	$35	$60	$120	$15	$90	$50	$40	—	$
6. Additional	—	—	$60	$80	$110	$150	$35	$60	$120	$15	$90	$50	$40	—	$

Contribution to Ernest Christ Distinguished Lecture Series: • $100 • $50 • $25 • Other $ _____ $

Support of Horticultural Research: • $1000 • $500 • $250 • $100 • Other $ _____ $

Please make your check payable to: NEW JERSEY STATE HORTICULTURAL SOCIETY (NJSHS)

Mail registration and check to: NJSHS c/o Greg Donaldson, 176 Airport Road Hackettstown, NJ 07840
Questions? Email Dean Polk polk@njaes.rutgers.edu or Greg Donaldson greg@donaldsonfarms.net or call Greg #908-296-1604.

TOTAL ENCLOSED $ _____

You saved by registering in advance.
Thank you for your membership!