

## 2020 Empire Producers Expo

**Legend:**



DEC recertification credits available in **Fruit or Vegetable (1A, 10, 22 or 23)**, some sessions may also offer **21 or 24**



DEC recertification credits available in **other category (e.g. Core, 3a, 7a, 7f)**



No DEC recertification credits will be offered. CCA credits may be available.

**TUESDAY JANUARY 14, 2020**

ROOM	SESSION 1 9:00 AM - 10:15 AM	SESSION 2 10:45 AM – 12 NOON	LUNCH 12 NOON – 2:00 PM	SESSION 3 2:00 PM – 3:15 PM	SESSION 4 3:45PM – 5:00 PM
BALLROOM EAST	Sweet Corn 1.0 DEC credit 10, 1a, 23	Solar Farming		Weed Management: Processing/Conventional 1.0 DEC credit 10, 1a, 21, 23	Uniform Stand Establishment
BALLROOM WEST		Investing in the Future: Orchard Management for the Long-Term		Tree Fruit: Horticulture	Agricultural Employment Update and Farmworker Housing Best Practices
ROOMS 1-2	Energy Savings: Ways to Cut Costs	Biocontrol I 1.0 DEC credit 10, 1a, 22, 23		Biocontrol II 1.0 DEC credit 10, 1a, 22, 23	Greenhouse 0.5 DEC credit 1a, 24
ROOM 3	USDA Risk Management	Pest-Free Worker Housing: How to Do it and Why it Matters 1.0 DEC credit 7a		Understanding and Avoiding Ticks on the Farm 1.0 DEC credit 3a, 8	Optimizing IPM Practices for Rodent and Bird in Packing Houses 0.75 DEC credit 7a 1.0 DEC credit 7f
ROOM 4/5/6	Produce Safety Alliance Grower Training: Module 1	Produce Safety Alliance Grower Training: Module 2 & 3		Produce Safety Alliance Grower Training: Module 4 & 5	Produce Safety Alliance Grower Training: Module 6 & 7
ROOM 7/8		Post-Harvest Cooling for Fruit & Vegetables		Farm to School: The Market Opportunity for New York Farmers	Pesticide Labels/ Personal Protective Equipment 1.25 DEC credits in CORE

WEDNESDAY JANUARY 15, 2020

ROOM	SESSION 1 9:00 AM - 10:15 AM	SESSION 2 10:45 AM – 12 NOON	LUNCH 12 NOON – 2:00 PM	SESSION 3 2:00 PM – 3:15 PM	SESSION 4 3:45PM – 5:00 PM
BALLROOM EAST	Phytophthora Blight 1.0 DEC credit 10, 1a, 23	Vine Crops 0.75 DEC credit 10, 1a, 23		Soil Fertility	Small-Scale Potatoes 0.5 DEC credit 10, 1a, 23
BALLROOM WEST	Tree Fruit: Bitter Pit Management	Tree Fruit: Fire Blight Management 1.0 DEC credit 10, 1a, 22		Organic Tree Fruit Production 0.75 DEC credit 10, 1a, 22	Hard Cider
ROOMS 1-2	Onion SLB Fungicide Resistance Workshop Part I 1.0 DEC credit 10, 1a, 23	Onion SLB Fungicide Resistance Workshop Part II 1.0 DEC credit 10, 1a, 23		Onion Pest Management 1.0 DEC credit 10, 1a, 23	Cabbage 1.0 DEC credit 10, 1a, 23
ROOM 3	Energy Savings: Ways to Cut Costs	Cleaning and Sanitizing for Wash and Packing Facilities		Food Safety Training for Produce Farm Workers (Spanish Translation)	
ROOM 4/5/6	High Tunnels 0.5 DEC credit 10, 1a, 23	Tomato Grafting Workshop 0.5 DEC credit 10, 1a, 23		Sweet Potatoes 0.5 DEC credit 10, 1a, 23	Hazard and Risk of Glyphosate 1.0 DEC credit 10, 1a, 21, 22, 23
ROOM 7/8		Farm to School: The Market Opportunity for New York Farmers		Apple Intensive IPM for a Healthy Crop 1.0 DEC credit 10, 1a, 22	Apple Intensive IPM for a Healthy Crop 1.25 DEC credit 10, 1a, 22

THURSDAY JANUARY 16, 2020

ROOM	SESSION 1 9:00 AM - 10:15 AM	SESSION 2 10:45 AM – 12 NOON	LUNCH 12 NOON – 1:30 PM	SESSION 3 1:30 PM – ?	
BALLROOM EAST	Hemp I	Hemp II 1.0 DEC credit 10, 1a, 21		Hemp III	Finish 2:15 PM
BALLROOM WEST	Berries I 0.75 DEC credit 10, 1a, 22	Berries II 0.5 DEC credit 10, 1a, 22		Berries III 2.0 DEC credit 10, 1a, 22	Finish 3:30 PM

ROOMS 1-2	Soil Health I 1.0 DEC credit 10, 1a, 23	Soil Health II 1.0 DEC credit 10, 1a, 23		Weed Management – Organic 1.0 DEC credit 10, 1a, 23	Finish 2:45 PM
ROOM 3	Specialty Root Crops	Hands-On Workshop: Choosing and Using the Right Small Sprayer 1.0 DEC credit 10, 1a, 22, 23, 24		Garlic 0.5 DEC credit 10, 1a, 23	Finish 3:00 PM
ROOM 4/5/6	FFA Student Session	Table Beet Workshop I: Why Grow Beets 0.5 DEC credit 10, 1a, 23		Table Beets Workshop II: The Down and Dirty on Production 1.75 DEC credit 10, 1a, 23	Finish 4:30 PM
ROOM 7/8	Apple Intensive IPM for a Healthy Crop 1.25 DEC credit 10, 1a, 22	Apple Intensive IPM for a Healthy Crop 0.75 DEC credit 10, 1a, 22			

## TUESDAY, SESSION II

### TREE FRUIT: INVESTING IN YOUR FUTURE: ORCHARD PLANNING FOR THE LONG-TERM

Session Organized by: Mark Wiltberger, CCE Lake Ontario Fruit Program

**10:45 AM Announcements and Introduction –**  
*Mark Wiltberger, CCE Lake Ontario Fruit Program*

**10:50 AM How to Plan Your Orchard Investments in a Rapidly Changing Market Place –**  
*Matt Wells, New York Apple Sales, Inc., Glenmont, NY*

**11:20 AM What's New From Industry**

**11:25 AM Succession Strategies: Bearing Long-Term Fruit from Your Business –**  
*Christopher Anderson, Farm Credit East, Cortland, NY Office*

**11:55 AM Speaker Q&A**

**12:00 PM Adjourn**

## TUESDAY, SESSION III

### TREE FRUIT: Horticulture

Session Organized by: Mario Miranda Sazo, CCE Lake Ontario Fruit Program

**2:00 PM Welcome and Announcements –***Mario Miranda Sazo, CCE LOF*

**2:05 PM Application of New Technologies to Midwestern and Eastern Apple Systems: Containerized Nursery Trees, PGRs, and Crop Load Management Tools -**  
*Todd Einhorn, Michigan State University*

**2:25 PM What's New From Industry**

**2:30 PM How to Choose Your Next Orchard by Understanding Physiological Principles -**  
*Terence Robinson, Cornell University*

**2:55 PM Solving the High-Density Pear Puzzle – It is simple, We Have All the Pieces! -**  
*Todd Einhorn, Michigan State University*

**3:15 PM Adjourn**

## **WEDNESDAY, SESSION I**

### **TREE FRUIT: HORTICULTURE, BITTER PIT MANAGEMENT, & FOOD SAFETY**

Session Organized by: Craig Kahlke, CCE Lake Ontario Fruit Program

**9:00 AM Welcome & Announcements** -Craig Kahlke, CCE Lake Ontario Fruit Program

**9:05 AM Bitter pit comes of age at 150: A review of what we know and what it means for Honeycrisp and other sensitive varieties** - Randolph Beaudry, Professor & Graduate Program Director, Dept. of Horticulture, Michigan State University, East Lansing, MI

**9:40 AM What's New From Industry**

**9:45 AM The potential use of insect exclusion/anti-hail nets to reduce or eliminate apple thinning**  
Todd Einhorn, Assistant Professor, Dept. of Horticulture, Michigan State University, East Lansing, MI

**10:00 AM Update on the MSU Center for Produce Safety project on the survival of Listeria on stored apple fruit** – Randolph Beaudry, Professor & Graduate Program Director, Dept. of Horticulture, Michigan State University, East Lansing, MI

**10:15 AM Adjourn**

## **WEDNESDAY, JANUARY 15 - SESSION 2**

### **TREE FRUIT: IPM- Fire Blight Management**

Session Organized by: Awais Khan, Associate Professor, School of Integrative Plant Science, Plant Pathology & Plant-Microbe Biology Section, Cornell University

**10:45 AM Welcome, Announcements, & DEC Credit Sign-up**– Janet Van Zoeren, Cornell Cooperative Extension – Lake Ontario Fruit Program

**10:50 AM Managing Fire Blight in Young High-Density Orchards**– George Sundin, Professor, Dept. of Plant, Soil, and Microbial Sciences, Michigan State University, East Lansing, MI.

**11:30 AM What's New from Industry**

**11:35 AM Updates on Prohexadione Research and Tools for Managing Blossom and Shoot Blight**– Kerik Cox, Associate Professor, School of

*Integrative Plant Science, Horticulture Section, Cornell University*

**11:50 AM Managing Fire Blight by Choosing Decreased Host Susceptibility Levels and Rootstock Traits**– Awais Khan, Associate Professor, School of Integrative Plant Science, Plant Pathology & Plant-Microbe Biology Section, Cornell University

**Noon – Adjourn to Lunch & Trade Show**

## **WEDNESDAY, SESSION III**

### **TREE FRUIT: Orchard Weed Management and Implications for Soil Health**

Session Organized by: Kate Brown and Gregory Peck, Cornell University, Horticulture

**2:00 PM Announcements and DEC credit Sign-up –**

**2:05 PM What's New From Industry**

**2:15 PM Introduce Panel Members, Discussion Topic, and Format –**  
Kate Brown, Cornell University, Horticulture

**2:20 PM Guided Panel Discussion with Attendee Participation (Orchard Weed Management and Implications for Soil Health)** –Kate Brown and Gregory Peck, Cornell University, Horticulture & Deborah Aller, CCE Suffolk County, **Grower Panelists (TBD)**

**3:00 PM Question and Answer Session with Attendees**

**3:15 PM Adjourn**

## **WEDNESDAY, SESSION IV**

### **TREE FRUIT: Hard Cider**

Session Organized by: Greg Peck & Chris Gerling, Cornell University; Craig Kahlke, CCE Lake Ontario Fruit Program; Lindsey Pashow, CCE Harvest NY

**3:45 PM Welcome & Announcements – Craig Kahlke, CCE Lake Ontario Fruit Program**

**3:50 PM Mechanical Cider Apple Harvesters – Whitney Knickerbocker & Greg Peck, School Of Integrative Plant Science, Horticulture Section, Cornell University**

**4:10 PM Red-Juice Apple Cultivars for Hard Cider Production – Chris Gottschalk, PhD Graduate Research Assistant, Dept. of Horticulture, Michigan State University, East Lansing, MI**

**4:40 PM What's New From Industry (Jessica Brooks, NY Grown & Certified)**

**4:45 PM Strategies for Managing YAN in the Orchard** – *Greg Peck & Adam Karl, School Of Integrative Plant Science, Horticulture Section, Cornell University*

**5:00 PM News from the New York Cider Association (NE Cider Conference)** – *TBA, NYCA*

**5:05 Hard Cider PWT Annual meeting** – *PWT Members, all invited*

**5:15 PM Adjourn to Cider Tasting sponsored by NYCA, at the Empire Room, Syracuse Marriott Downtown, 100 E Onondaga St, Syracuse, NY 13202**

**TREE FRUIT: APPLE INTENSIVE IPM for a HEALTHY CROP ROOMS 7/8**  
**4 sessions (2 Weds PM, 2 Thurs AM), can attend any, but must attend all if you want a certificate. DEC credits at each session.**

### **WEDNESDAY, JANUARY 15 – SESSION III**

**2:00-3:15 – Apple IPM for a healthy crop, moderator Michael Basedow**

5 min – Introduction to the Apple IPM Intensive Workshop, Michael Basedow

10 min – What is IPM? Juliet Carroll

10 min – Rate your current IPM tactics, Janet van Zoeren

50 min – What are the major pests targeted by apple IPM?

Insects & Mites, Art Agnello

Plant Diseases, Kerik Cox

Weeds and Wildlife, Juliet Carroll

**3:15-3:45 Break- Visit Tradeshow**

### **WEDNESDAY, SESSION IV**

**3:45-5:00 – Apple insect targets & IPM tactics, moderator Janet van Zoeren**

45 min – IPM for plum curculio, oriental fruit moth and codling moth, Art Agnello

Degree days and pest events

Using traps, insect models, and mating disruption

Keeping good records

Rate your learning

45 min – IPM for obliquebanded leafroller, mites and apple maggot, Art Agnello

Degree days and pest events

Using traps, insect models, and mating disruption

Keeping good records

Rate your learning

### **THURSDAY, JANUARY 16 – SESSION I**

**9:00-10:15 – Apple diseases & IPM defenses, moderator Juliet Carroll**

45 min – IPM for apple scab and fire blight, Kerik Cox

Sanitation, cultural practices, and resistant varieties

Plant disease forecasting models and keeping good records

BMPs against fungicide and antibiotic resistance

Rate your learning

45 min – IPM for powdery mildew and summer diseases, Kerik Cox

Sanitation, cultural practices and resistant varieties

Plant disease forecasting models and keeping good records

BMPs against fungicide and antibiotic resistance

Rate your learning

**10:15-10:45 Break- Visit Tradeshow**

### **THURSDAY, JANUARY 16 – SESSION II**

**10:45-12:00 – Wildlife, weeds & the IPM wrap-up, moderator Michael Basedow**

10 min – Management programs for arthropods, Art Agnello

10 min – Management programs for diseases, Kerik Cox

15 min – IPM for wildlife damage & rate your learning, Juliet Carroll

20 min – IPM for weeds & rate your learning, Lynn Sosnoskie

10 min – Putting it all together – maximizing your time efficiency, Art Agnello

10 min – Rate your future IPM tactics, Janet van Zoeren

***Receive your workshop certificate***

**Presenters:**

Art Agnello, Professor, Tree Fruit Entomology, Entomology, Cornell AgriTech  
Michael Basedow, Extension Associate, Tree Fruit Specialist, Eastern NY Commercial Horticulture Program, Cornell Cooperative Extension  
Juliet Carroll, Senior Extension Associate, Fruit IPM Coordinator, NYS IPM Program, Cornell Cooperative Extension

Kerik Cox, Associate Professor, Tree Fruit and Berry Pathology, Plant Pathology & Plant-Microbe Biology, Cornell AgriTech

Lynn Sosnoskie, Assistant Professor, Weed Ecology and Management for Specialty Crops, Horticulture, Cornell AgriTech

Janet van Zoeren, Extension Associate, Tree Fruit & Berry IPM Specialist, Lake Ontario Fruit Program, Cornell Cooperative Extension

**We're Still Looking for Hard Cider Producers  
for the Tasting Wednesday Night (1/15) in Syracuse!**

Want to share your hard ciders with the “experts” and other growers? The New York Cider Association is sponsoring a tasting immediately following the Hard Cider educational session at the Expo. At 5:30, NYCA will be hosting the tasting in **the Empire Room, Syracuse Marriott Downtown**, 100 E Onondaga St, Syracuse, NY 13202. The Marriott is only ~4 blocks from the ON Center. To inquire about providing for the tasting, please call Jessica Johnson at the New York State Vegetable Growers Association at 518-441-8809 ASAP. All are invited to the tasting!

**Innovation is the Focus of the 2019 Empire Producers EXPO Berry Sessions**

Innovation can be profitable, but challenging. Hear how you can grow your operation by considering new methods and continuing emphasis on customer satisfaction. Join commercial berry growers from across the state on Thursday January 16<sup>th</sup>, 2020 for a full day of commercial berry education session at the Empire State Producers EXPO held at the OnCenter in Syracuse, NY.

**Berry Session I - 9 to 10:15 a.m.**

In the morning session, Marc Poirier, of the Quebec Ministry of Agriculture will talk about Raspberry Crop Management and the Alternatives to Traditional Production Systems. Mr. Poirier will discuss the benefits and barriers to using protected culture, including different tunnel structural considerations, venting, pruning protocol, cultivar choices etc. Following this presentation, Ms. Rebecca Foltasz of NRCS will introduce and explain the EQUIP High Tunnel cost share program including the application process and reporting requirements.

**Berry Session II - 10:45 – 12:00 PM**

During the mid-day session, Dr. Miguel Gomez starts the session off talking about his research on Customer Satisfaction with NY U-pick berry farms. The results and insights from the 2019 survey of NYS customers should be eye opening. After that the NYS Berry Growers

Association will have their brief annual business meeting. This industry group has been very active lobbying state government and has a lot of successes to report. Last on the mid-day agenda is a talk about June bearing strawberry production in NJ – moving from matted row to plasticulture by Peter Nitzsche, from Rutgers. Mr. Nitzsche will explain how and why NJ growers are moving towards plasticulture of their June bearing strawberries

**Berry Session III - 1:30 PM – 3:30 PM**

A discussion of organic pest management at Wegmans berry farm will kick off the final berry session of the day. Esther Kibbe, CCE Harvest NY and Mark Bowker, Wegmans, Canandaigua will discuss the steps they took to help Wegmans adopt a certified organic production system. More information about a low spray approach to pest management will be presented with a nod to protected culture – a major aid to organic berry pest management. Growers will finish out the day with a farmer to farmer opportunity - discussing the approaches they have found to be successful when embarking on organic production of berry crops. This is a difficult endeavor, but many growers are innovators and this opportunity will allow them to share their experiences while still remembering that the label is the law and including commentary on efficacy of some of the newer biological products on the market.