



Growing for the Health of New York

JANUARY 16-19, 2017

**Oncenter Convention Center
800 South State St.
Syracuse, NY 13202-3017
(315) 435-8000
www.oncenter.org
and**

**Holiday Inn
441 Electronics Parkway
Liverpool, NY 13057
(315) 457-1122**

Organized cooperatively by
**Cornell Cooperative Extension
Empire State Potato Growers
NYS Berry Growers Association
NYS Flower Industries, Inc.
NYS Horticultural Society
NYS Farmers' Direct Marketing Committee
NYS Vegetable Growers Association
Cornell University**



Welcome to the 2017
Empire State Producers Expo!
Growing for the Health
of New York

EDUCATIONAL SESSIONS – All educational sessions will be held in the Oncenter Convention Center unless otherwise noted. See pages 4 and 5 for a schedule overview.

DEC pesticide recertification credits and Certified Crop Advisor credits will be available. Attendance throughout a session is required for DEC credits.

TRADE SHOW – Will be in the Exhibit Hall at the Oncenter Convention Center. Over 150 exhibitors will be present to visit with growers from 8:00 AM - 5:00 PM on January 17, 8:00 AM - 5:00 PM on January 18, and from 8:00 AM - 1:30 PM on January 19.

LUNCH – Will be available for purchase in the Oncenter Exhibit Hall, where there will be a large seating area available. Lunch is not included with your Expo registration.

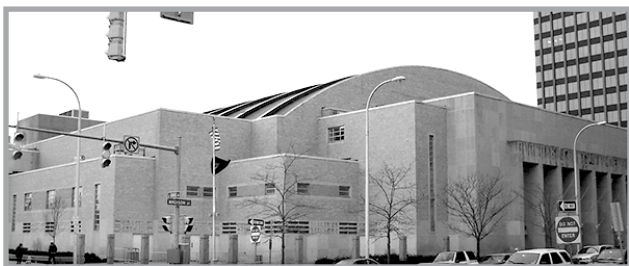
ON-SITE PARKING – A garage (\$5) is attached to the Oncenter via an enclosed walkway over State Street, but parking may be limited at times. Show your Expo badge when paying!

Any overnight guests staying at the Holiday Inn, The Double Tree, Genesee Grande, and Crowne Plaza please contact the front desk if you are interested in using the free shuttle.

For maps, directions, lodging and on-site parking information, see pages 32-33.

**For details, contact the NYS Vegetable Growers Association at (585) 993-0775
nysvegetablegrowers@gmail.com**

Check out the Expo online at www.nysvga.org



2017 EXPO PROGRAM OVERVIEW

MONDAY, JANUARY 16, HOLIDAY INN BECKER FORUM

GAPs/Produce Safety Alliance Grower Training
8:00 AM – 5:00 PM
Convention Center

TUESDAY, JANUARY 17, ONCENTER

NYS Berry Growers Association
Berry Crops Protected Culture Workshop
8:30 AM – 4:00 PM

Preregistration required to receive workshop materials.

TUESDAY, JANUARY 17, ONCENTER

GAPs Day 2 Workshop: Writing Your Own Food Safety Plan
8:30 AM – 4:30 PM

This workshop requires special registration and is limited to those who have attended a PSA/FSMA 7-hour course or day 1 GAPs training.

TUESDAY, JANUARY 17, ONCENTER

New York State Vegetable Growers Association
Meeting and Lunch
12:00 PM Rooms 7-8

TUESDAY, JANUARY 17

Trade Show
8:00 AM – 5:00 PM
NYS Tasting
2:30 PM – 3:30 PM

WEDNESDAY, JANUARY 18

Special Session: The New York Grown and Certified Program
Richard Ball, New York State Commissioner of Agriculture
10:30 AM – 11:30 AM Ballroom West

WEDNESDAY, JANUARY 18

Trade Show
8:00 AM – 5:00 PM
Ice Cream Social in the Trade Show
2:30 PM – 3:30 PM

THURSDAY, JANUARY 19

Trade Show
8:00 AM – 1:30 PM

THURSDAY, JANUARY 19 – FEATURED SESSIONS

Tree Fruit – Technology in the Orchard
8:30 AM – 9:45 AM Ballroom East

Onions: Ensuring High Quality in Small-Scale Production
11:00 AM – 12:15 PM Ballroom West

Hard Cider
1:45 PM – 3:00 PM Rooms 1-2

EXPO SCHEDULE OVERVIEW



Welcome to the 2017
Empire State
Producers Expo!
Growing for the
Health of New York

MONDAY, JANUARY 16, 2017

2017 BECKER FORUM
 Holiday Inn, Liverpool
 8:00 AM - 5:00 PM Page 6

TUESDAY, JANUARY 17, 2017

Room	Session 1	Session 2	Session 3	Session 4
BR East	Berries Wksp Page 7	Berries Wksp Page 8	Berries Wksp Page 8	Berries Wksp Page 9
BR West	Cabbage Page 11	Process- ing Page 12	Weed Mgmt Page 14	Soil Health Page 14
Rooms 1-2	Hops Page 11	Grains Page 13	Post Harvest Page 14	Biopest- icides Page 15
Room 3		Cut Flowers Page 13		
Rooms 4-6	GAPs Day 2 Page 9	GAPs Day 2 Page 10	GAPs Day 2 Page 10	GAPs Day 2 Page 10
Rooms 7-8				
Exhibit Hall	Trade Show open 8:00 AM to 5:00 PM			

AM Break - Exhibit Hall

Lunch - Exhibit Hall

PM Break - Exhibit Hall

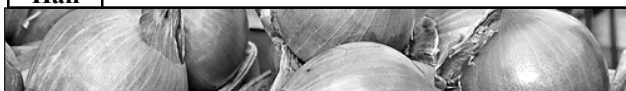


WEDNESDAY, JANUARY 18, 2017

Room	Session 1		Session 2		Session 3		Session 4
BR East	Tree Fruit Page 16	AM Break - Exhibit Hall		Lunch - Exhibit Hall	Tree Fruit Page 16	PM Break - Exhibit Hall	
BR West	Sweet Corn Page 19		Special Session Page 20		Wildlife Mgmt Page 20		Specialty Crops Page 21
Rooms 1-2	Ag Health Page 19				Tomato Page 21		High Tunnels Page 22
Room 3	Farmers Market Page 18				Farmers Market Page 18		Farmers Market Page 18
Rooms 4-6	Greenhouse Page 17				Labor Page 17		WPS Update Page 18
Rooms 7-8							
Exhibit Hall	Trade Show open 8:00 AM to 5:00 PM						

THURSDAY, JANUARY 19, 2017

Room	Session 1		Session 2		Session 3		Session 4
BR East	Tree Fruit Page 23	AM Break - Exhibit Hall	Tree Fruit Page 23	Lunch - Exhibit Hall		PM Break - Exhibit Hall	
BR West	Root Crops Page 26		Onions Page 28		Potato Page 29		Cole Crops Page 31
Rooms 1-2	Climate Page 27		Water Mgmt Page 28		Hard Cider Page 30		Hard Cider Page 31
Room 3	Farmers Market Page 25		Farmers Market Page 25		Farmers Market Page 26		Farmers Market Page 26
Rooms 4-6	Begin Farmer Page 24		Marketing Page 24		Transplant Page 25		
Rooms 7-8							
Exhibit Hall	Trade Show open 8:00 AM to 1:30 PM						





MONDAY, JANUARY 16

2017 BECKER FORUM

**GAPs/Produce Safety Alliance (PSA)
Grower Training
Holiday Inn, Liverpool
Convention Center**

\$125 pre-registration before January 2, 2017

\$150 after January 9, 2017 or at the door

Space limited to 50 on first come basis

- 8:00 AM Registration and refreshments**
- 8:30 AM Welcome and introductions**
*Elizabeth Bihn and Gretchen Wall, Cornell
Cooperative Extension and Produce Safety Alliance*
- 8:45 AM Module 1: Introduction to produce safety**
- 9:45 AM Break**
- 10:00 AM Module 2: Worker health, hygiene, and
training**
- 11:00 AM Module 3: Soil amendments**
- 11:45 AM Lunch**
- 12:30 PM Module 4: Wildlife, domesticated animals,
and land use**
- 1:15 PM Module 5: Agricultural water –
Part I: Production water**
- 2:15 PM Break**
- 2:30 PM Module 5: Agricultural water –
Part 2: Postharvest water**
- 3:15 PM Module 6: Postharvest handling and
sanitation**
- 4:15 PM Module 7: How to develop a farm food safety
plan**
- 5:00 PM Final questions and evaluations**

TUESDAY, JANUARY 17

**BERRY CROPS PROTECTED CULTURE
WORKSHOP*
BALLROOM EAST**

Session organized by Laura McDermott, CCE Eastern NY Commercial Horticulture Program, and Cara Fraver, NYS Berry Growers Association

Note: This workshop requires preregistration to receive materials.

- 8:30 AM Welcome, announcements and DEC credit sign-up –**
Laura McDermott, CCE Eastern NY Commercial Horticulture Program
- 8:35 AM Introduction of NYS Berry Growers Association sponsored workshops –**
Dale Ila Riggs, NYS Berry Growers Association and Owner of The Berry Patch, Stephentown, NY
- 8:40 AM Growing strawberries in low tunnels –**
Laura McDermott, CCE Eastern NY Commercial Horticulture Program
- 8:55 AM Strawberry cultivars for low tunnels and NYS day neutral breeding program –**
Courtney Weber, Horticulture Section, School of Integrative Plant Science, Cornell University
- 9:10 AM Continuing progress in plastics research –**
Kathy Demchak, Plant Science, Pennsylvania State University, University Park, PA



TUESDAY, JANUARY 17, cont.

- 9:30 AM Plastic recycling: The final consideration –**
Lois Levitan, Recycling Agricultural Plastics Program, Cornell University
- 9:45 AM Interactive demonstration of low tunnels and plastic light transmission –**
Laura McDermott, CCE Eastern NY Commercial Horticulture Program
Jim O’Connell, CCE Ulster County and Eastern NY Commercial Horticulture Program
- 10:00 AM Break**
- 10:30 AM SWD Management and impact on profits –**
Miguel Gómez, Charles H. Dyson School of Applied Economics and Management, Cornell University
- 10:50 AM NEWA weather apps - newa.cornell.edu –**
Juliet Carroll, NYS IPM Program, Cornell University
- 11:10 AM Mitigation tools for climate smart farmers –**
Jonathan Lambert, Cornell Institute for Climate Smart Solutions (CICSS), Cornell University
- 11:30 AM NEWA and CICSS tools for farmers: Interactive demonstration –**
Juliet Carroll, NYS IPM Program, Cornell University
Jonathan Lambert, CICSS, Cornell University
- 12:00 PM Lunch**
- 1:00 PM NYS Berry Growers Association annual meeting –**
Paul Baker, NYS Berry Growers Association
Dale Ila Riggs, NYS Berry Growers Association and Owner of The Berry Patch, Stephentown, NY
- 1:15 PM Highlighting innovation under plastic –**
Nate Nourse, Nourse Farms, Whately, MA
- 1:35 PM Small fruit disease management under plastic –**
Kerik Cox, Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, Cornell University
- 1:50 PM Managing insects and mites under cover –**
Greg Loeb, Entomology, Cornell University

TUESDAY, JANUARY 17, cont.

- 2:05 PM Mite control 101: Hands-on activity –**
Greg Loeb, Entomology, Cornell University
Stephen Hesler, Entomology, Cornell University
- 2:30 PM Break**
- 3:00 PM Raspberry cultivars for high tunnels –**
Courtney Weber, Horticulture Section, School of Integrative Plant Science, Cornell University
- 3:15 PM Protecting berry crops using exclusion netting –**
Dale Ila Riggs, NYS Berry Growers Association and Owner of The Berry Patch, Stephentown, NY
- 3:30 PM A closer look at lures and exclusion netting: Interactive demonstration –**
Greg Loeb, Entomology, Cornell University
Stephen Hesler, Entomology, Cornell University
- 3:50 PM Workshop evaluations and wrap up –**
Cara Fraver, NYS Berry Growers Association
- 4:00 PM Adjourn and safe trip home**

* DEC credits available

GAPS DAY 2 WORKSHOP – WRITING YOUR OWN FOOD SAFETY PLAN ROOMS 4 - 6

Session organized by Elizabeth Bihn, Food Science, Cornell University; Craig Kahlke, CCE Lake Ontario Fruit Team; and Robert Hadad, CCE Cornell Vegetable Program

Note: This workshop requires special registration and is limited to those who have attended a PSA/FSMA 7-hour course or day 1 GAPS.

- 8:30 AM Announcements, computer set-up, and check of software –**
Craig Kahlke, CCE Lake Ontario Fruit Team
Robert Hadad, CCE Cornell Vegetable Program
Elizabeth Bihn, Food Science, Cornell University
- 9:00 AM Reflection and discussion on PSA training (Day 1) –**
Elizabeth Bihn, Food Science, Cornell University
- 9:30 AM USDA GAPs audits: An overview –**
NYS Department of Agriculture and Markets

TUESDAY, JANUARY 17, cont.

10:15 AM Break

10:30 AM Walk through of jump drive material –
Elizabeth Bihn, Food Science, Cornell University

11:00 AM Begin working on individual farm food safety plans –
Elizabeth Bihn, Food Science, Cornell University

12:00 PM Lunch

1:00 PM On-Farm and packinghouse management to restrict foodborne pathogen contamination and proliferation –
Ines Hanrahan, Washington Tree Fruit Research Commission, Yakima, WA

1:45 PM Continue working on individual farm food safety plans

3:00 PM Break

3:15 PM Continue working on individual farm food safety plans

4:00 PM Conclude individual food safety plan work

4:15 PM Wrap up and course evaluation

4:30 PM Adjourn

ADDITIONAL INFORMATION

Bring the following items to the GAPS DAY 2 workshop:

- Laptop computer, unless you reserved one of ours in advance.
- A list of crops that you want to be USDA GAP/GHP certified (if planning to participate in an audit).
- Farm maps with outlined fields that contain crops to be certified.
- If you have a packinghouse, bring a packinghouse floor plan that shows product flow from the time it enters the packinghouse until it leaves. Can be hand drawn and simple.
- A list of services you have contracted. This list may include pest control, portable toilet rental/servicing, trucking/transportation, etc. and any recordkeeping documents they supply.
- Lots of questions. *(continued on p. 11)*

TUESDAY, JANUARY 17, cont.

Participants will be provided with the following:

- A flash drive that is pre-loaded with templates for writing individual farm food safety plans, including templates of recordkeeping forms.
- Bag of resources, including Farm Worker Training CD, a grower self-assessment for food safety risks, posters, magnets, coloring book, and photonovellas.

CABBAGE* BALLROOM WEST

Session organized by Christy Hoepting, CCE Cornell Vegetable Program

9:00 AM Announcements and DEC credit sign-up –
Christy Hoepting, CCE Cornell Vegetable Program

9:05 AM Exploring nitrogen dynamics in cabbage –
Christy Hoepting, CCE Cornell Vegetable Program

9:25 AM What's new from industry?

**9:30 AM In-depth look: Managing diamondback moth
in the face of insecticide resistance –**
Brian Nault, Entomology, NYSAES, Cornell University
Christy Hoepting, CCE Cornell Vegetable Program

10:15 AM Adjourn

* DEC credits available

HOPS* ROOMS 1 - 2

Session organized by Steve Miller, CCE Madison County

9:00 AM Announcements and DEC Credit Sign-Up –
*David Combs, Plant Pathology and Plant-Microbe
Biology Section, School of Integrative Plant Science,
NYSAES, Cornell University*

**9:05 AM Essential elements of producing mildew-free
hops in the eastern US –**
*William Weldon, Plant Pathology and Plant-Microbe
Biology Section, School of Integrative Plant Science,
NYSAES, Cornell University*

TUESDAY, JANUARY 17, cont.

- 9:25 AM Potential New York hopyard insect pests –**
David Combs, Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, NYSAES, Cornell University
- 9:40 AM What we have learned growing hops and bringing malting barley into a vegetable operation –**
Corey Mosher, Mosher Farms, Bouckville, NY

10:15 AM Adjourn

*DEC Credits Available

PROCESSING VEGETABLES* BALLROOM WEST

Session organized by Julie Kikkert,
CCE Cornell Vegetable Program

- 11:00 AM Announcements and DEC credit sign-up –**
Julie Kikkert, CCE Cornell Vegetable Program
- 11:05 AM Disentangling the foliar disease complex of processing lima bean in New York –**
Sarah Pethybridge, Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, NYSAES, Cornell University
- 11:25 AM New product evaluations for control of nematodes in carrots in Ontario Canada –**
Kevin Vander Kooi, Muck Crops Research Station, University of Guelph, ON, Canada
- 11:50 AM Epidemiology and management of white mold in snap bean in New York –**
Sarah Pethybridge, Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, NYSAES, Cornell University

12:15 PM Adjourn

* DEC credits available



TUESDAY, JANUARY 17, cont.

**AMBER WAVES ON THE HORIZON: GRAIN
GROWING FOR EMERGING VALUE-ADDED,
LOCAL, SMALL GRAINS MARKETS*
ROOMS 1 - 2**

Session organized by Justin O'Dea, CCE Ulster County

11:00 AM Announcements and DEC credit sign-up –
Justin O'Dea, CCE Ulster County

11:05 AM The Cornell malting barley update: Of growing pains and progress in a growing NYS industry –
Justin O'Dea, CCE Ulster County
Kevin Ganoë, CCE Central NY Dairy & Field Crops Program

11:35 AM Of combines and test weight, craft and terroir: Notes on getting into growing grain for value-added markets –
Thor Oechsner, Oechsner Farms and Ground Flour, Newfield, NY

12:15 PM Adjourn

* DEC credits available

**CUT FLOWER PRODUCTION: HELPFUL IDEAS
AND STRATEGIES FROM A SUCCESSFUL
CUT FLOWER FARM
ROOM 3**

Session organized by Dana Dore-Hadad,
Chicory Blue Gardens

11:00 AM Welcome –
Dana Dore-Hadad, Chicory Blue Gardens

11:05 AM Cut flower production –
Mike and Polly Hutchison, Robin Hollow Farm, Saunterstown, RI

12:15 PM Adjourn



TUESDAY, JANUARY 17, cont.

WEED MANAGEMENT* BALLROOM WEST

Session organized by Darcy Telenko and Julie Kikkert,
CCE Cornell Vegetable Program

- 1:45 PM Announcements and DEC credit sign-up –**
Julie Kikkert, CCE Cornell Vegetable Program
- 1:50 PM Weed seed banks: What can be done to lower
their impact in our cropping systems? –**
*Antonio DiTommaso, Soil and Crop Sciences Section,
School of Integrative Plant Science, Cornell University*
- 2:50 PM Questions and answers –**
Julie Kikkert, CCE Cornell Vegetable Program
- 3:00 PM Adjourn**

* DEC credits available

POST-HARVEST ROOMS 1 - 2

Session organized by Ethan Grundberg, CCE Eastern NY
Commercial Horticulture Program

- 1:45 PM Welcome –**
*Ethan Grundberg, CCE Eastern NY Commercial
Horticulture Program*
- 1:50 PM Practical considerations for building improved
on-farm cold storage on a budget –**
*Chris Callahan, Agricultural Engineering, UVM
Extension, Bennington, VT*
- 3:00 PM Adjourn**

SOIL HEALTH* BALLROOM WEST

Session organized by Justin O'Dea, CCE Ulster County

- 3:45 PM Announcements and DEC credit sign-up –**
Justin O'Dea, CCE Ulster County

TUESDAY, JANUARY 17, cont.

3:50 PM Restoring soil health at Roxbury Farm and the Hudson Valley Farm Hub: Strategies and success stories to date –
Jean-Paul Courtens, Hudson Valley Farm Hub, Hurley, NY

4:20 PM Going big with brassica green manures and biofumigation for soil health in eastern Washington and beyond –
Dale Gies, Gies Farms, High Performance Seed, Moses Lake, WA

5:00 PM Adjourn

* DEC credits available

BIOPESTICIDES: WHAT ARE THEY? WILL THEY WORK? HOW TO INCORPORATE THEM ON YOUR FARM* ROOMS 1 - 2

Session organized by Darcy Telenko, CCE Cornell Vegetable Program, and Megan Burley, CCE Erie County

3:45 PM Announcements and DEC credit sign-up –
*Darcy Telenko, CCE Cornell Vegetable Program
Megan Burley, CCE Erie County*

3:50 PM Doing right by biopesticides: Truths and myths –
Debbie Palumbo-Sanders, BioWorks Inc., Victor, NY

4:25 PM Biopesticides: What we've tried, what has worked –
Abby Seaman, NYS IPM Program, Cornell University

4:45 PM Grower perspective on using biopesticides on the farm –
Mark Zittel, Amos Zittel & Sons, Inc., Eden, NY

5:00 PM What's new from industry?

5:10 PM Adjourn

* DEC credits available

WEDNESDAY, JANUARY 18

TREE FRUIT PEST MANAGEMENT* **BALLROOM EAST**

Session organized by Tess Grasswitz, CCE Lake Ontario
Fruit Team

- 8:30 AM Welcome –**
Tess Grasswitz, CCE Lake Ontario Fruit Team
- 8:35 AM Season-long fire blight management in apples –**
*Kerik Cox, Plant Pathology and Plant-Microbe
Biology Section, School of Integrative Plant Science,
Cornell University*
- 8:55 AM Trunk-related problems in apples –**
*David Rosenberger, Plant Pathology and Plant-
Microbe Biology Section, School of Integrative Plant
Science, Cornell University*
- 9:20 AM Diagnosing nutrient-related problems in fruit
trees –**
*Lailiang Cheng, Horticulture Section, School of
Integrative Plant Science, Cornell University*
- 9:45 AM Adjourn**

* DEC credits available

TREE FRUIT HORTICULTURE **BALLROOM EAST**

Session organized by Craig Kahlke, CCE Lake Ontario
Fruit Team

- 1:15 PM Welcome –**
Craig Kahlke, CCE Lake Ontario Fruit Team
- 1:20 PM Current Honeycrisp best management prac-
tices in Washington State –**
*Ines Hanrahan, Washington Tree Fruit Research
Commission, Yakima, WA*
- 1:40 PM The importance of soil health in your apple
orchards –**
*Greg Peck, Horticulture Section, School of Integra-
tive Plant Science, Cornell University*
- 2:00 PM Orchard management to restrict foodborne
pathogen contamination and proliferation –**
*Ines Hanrahan, Washington Tree Fruit Research
Commission, Yakima, WA*
- 2:30 PM Adjourn**

WEDNESDAY, JANUARY 18, cont.

GREENHOUSE VEGETABLES: COSTS, BENEFITS, AND CONSUMER WILLINGNESS TO PAY ROOMS 4 - 6

Session organized by Neil Mattson, Horticulture Section,
School of Integrative Plant Science, Cornell University

8:30 AM Welcome –

Neil Mattson, Horticulture Section, School of Integrative Plant Science, Cornell University

8:35 AM Controlled Environment Agriculture for year-round vegetables: Production systems, costs, and potential crop yield –

Neil Mattson, Horticulture Section, School of Integrative Plant Science, Cornell University

9:15 AM Consumer willingness to pay for local, year-round lettuce and tomatoes –

Miguel Gómez, Charles H. Dyson School of Applied Economics and Management, Cornell University

9:45 AM Adjourn

LABOR ROOMS 4 - 6

Session organized by Megan Burley, CCE Erie County

1:15 PM Welcome –

Megan Burley, CCE Erie County

1:20 PM Cornell Farmworker Program: Improving workplace relations and communications –

Mary Jo Dudley, Cornell Farmworker Program

1:50 PM Looking for talent in today's workforce: H2A and other services provided by the NYS Department of Labor –

*Laura Cardoso, NYS Department of Labor, Syracuse, NY
Belén Ledezma, NYS Department of Labor, Syracuse, NY*

2:30 PM Adjourn

**2017 WORKER PROTECTION STANDARD
(WPS) UPDATE*
ROOMS 4 - 6**

Session organized by Maire Ullrich, Eastern NY
Commercial Horticulture Program

- 3:15 PM Announcements and DEC credit sign-up –**
*Maire Ullrich, Eastern NY Commercial Horticulture
Program*
- 3:20 PM An update on WPS in 2017 –**
*David Nelson, PCSII, NYS Department of Environ-
mental Conservation, Region 7*
- 4:30 PM Adjourn**

* DEC credits available

**FARMERS MARKET FEDERATION
ROOM 3**

Session organized by Diane Eggert, Farmers Market
Federation of NY

- 9:00 AM Welcome –**
Galena Ojiem, Farmers Market Federation of NY
- 9:05 AM Building your marketing plan –**
Matt LeRoux, CCE Tompkins County
- 10:15 AM Break**
- 1:30 PM Welcome –**
Galena Ojiem, Farmers Market Federation of NY
- 1:35 PM Marketing and outreach efforts for Farm-to-
School success –**
Laura Biasillo, CCE Broome County
- 2:45 PM Break**
- 3:30 PM Welcome –**
Galena Ojiem, Farmers Market Federation of NY
- 3:35 PM Using social media to grow loyal customers –**
*Lindsay Ott Wilcox, Centermost Marketing,
Syracuse, NY*
- 4:45 PM Adjourn**

WEDNESDAY, JANUARY 18, cont.

AGRICULTURAL HEALTH* ROOMS 1 - 2

Session organized by Laura McDermott, CCE Eastern NY
Commercial Horticulture Program

- 9:00 AM** **Announcements and DEC credit sign-up –**
*Laura McDermott, CCE Eastern NY Commercial
Horticulture Program*
- 9:05 AM** **Reduce your risk of skin cancer: How to
prevent and protect against the sun –**
*Melissa Horsman, NY Center for Agricultural
Medicine and Health, Cooperstown, NY*
- 9:30 AM** **Tick-borne illness: What every farmer needs to
know –**
*Melissa Horsman, NY Center for Agricultural
Medicine and Health, Cooperstown, NY*
- 9:55 AM** **Health and safety on the farm: Respirators to
ROPS –**
*Anna Meyerhoff, NY Center for Agricultural
Medicine and Health, Cooperstown, NY*
- 10:15 AM** **Adjourn**

* DEC credits available

SWEET CORN* BALLROOM WEST

Session organized by Marion Zuefle, NYS IPM Program,
Cornell University

- 9:00 AM** **Announcements and DEC credit sign-up –**
Marion Zuefle, NYS IPM Program, Cornell University
- 9:05 AM** **Status of Bt sweet corn performance and
insecticide control requirements –**
*Galen Dively, Entomology, University of Maryland,
College Park, MD*
- 9:35 AM** **Well-timed diamide applications effectively
control earworm in sweet corn –**
*Dan Olmstead, Entomology, NYSAES, Cornell
University*
Brian Nault, Entomology, NYSAES, Cornell University
Tony Shelton, Entomology, NYSAES, Cornell University

WEDNESDAY, JANUARY 18 , cont.

9:50 AM What's new from industry?

9:55 AM **Effects of cropping history on European corn borer abundance in processing sweet corn** –
Rebecca Schmidt-Jeffris, Entomology, NYSAES, Cornell University
Brian Nault, Entomology, NYSAES, Cornell University

10:15 AM Adjourn

* DEC credits available

SPECIAL SESSION: THE NEW YORK GROWN AND CERTIFIED PROGRAM BALLROOM WEST

Session organized by Darcy Telenko, CCE Cornell Vegetable Program

10:30 AM Welcome –

Darcy Telenko, CCE Cornell Vegetable Program

10:35 AM **Introducing a new standard for New York State agriculture** –

Richard Ball, New York State Commissioner of Agriculture

11:15 AM Questions and answers

11:30 AM Adjourn

WILDLIFE MANAGEMENT* BALLROOM WEST

Session organized by Darcy Telenko, CCE Cornell Vegetable Program, and Megan Burley, CCE Erie County

1:30 PM **Announcements and DEC credit sign-up** –
Darcy Telenko, CCE Cornell Vegetable Program
Megan Burley, CCE Erie County

1:35 PM **Management of birds in cropping systems** –
Catherine Lindell, Integrative Biology Department, Michigan State University, East Lansing, MI

2:10 PM **Wildlife management in vegetable crops** –
Paul Curtis, Natural Resources, Cornell University

2:40 PM What's new from industry?

2:45 PM Adjourn

* DEC credits available

WEDNESDAY, JANUARY 18, cont.

TOMATO PRODUCTION UPDATES* **ROOMS 1 - 2**

Session organized by Teresa Rusinek, CCE Eastern NY
Commercial Horticulture Program

- 1:30 PM Announcements and DEC credit sign-up –**
Teresa Rusinek, CCE Eastern NY Commercial Horticulture Program
- 1:35 PM Bacterial diseases of tomato update –**
Christine Smart, Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, Cornell University
- 1:55 PM Role of biostimulants and fungicides that induce disease resistance –**
Margaret McGrath, Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, Cornell University
- 2:15 PM Disease resistance through breeding –**
Martha Mutschler-Chu, Plant Breeding and Genetics Section, School of Integrative Plant Science, Cornell University
- 2:35 PM Grower perspective on disease management –**
Phil Mommsen, Maple Ridge Farm, Ulster Park, NY
- 2:45 PM Adjourn**

* DEC credits available

SPECIALTY CROPS* **BALLROOM WEST**

Session organized by Chuck Bornt, CCE Eastern NY
Commercial Horticulture Program, and Robert Hadad,
CCE Cornell Vegetable Program

- 3:30 PM Announcements and DEC credit sign-up –**
Chuck Bornt, CCE Eastern NY Commercial Horticulture Program
- 3:35 PM Growing, storing, and marketing sweet potatoes at Burnt Rock Farm –**
Justin Rich, Burnt Rock Farm, Huntington, VT
- 4:10 PM What's new from industry?**

WEDNESDAY, JANUARY 18, cont.

4:15 PM Growing and marketing hot peppers at Sparrow Arc Farm –
Matt Linehan, Sparrow Arc Farm, Copake, NY

4:45 PM Adjourn

* DEC credits available

HIGH TUNNELS* ROOMS 1 - 2

Session organized by Amy Ivy, CCE Eastern NY
Commercial Horticulture Program

3:30 PM Announcements and DEC credit sign-up –
*Amy Ivy, CCE Eastern NY Commercial Horticulture
Program*

3:35 PM High tunnel fertility management –
Cordelia Hall, CCE Cornell Vegetable Program

3:50 PM Leaf mold update –
*Christine Smart, Plant Pathology and Plant-Microbe
Biology Section, School of Integrative Plant Science,
Cornell University*

4:10 PM Cherry tomato pruning trial –
*Amy Ivy, CCE Eastern NY Commercial Horticulture
Program*

4:25 PM Lessons learned –
Phil Mommsen, Maple Ridge Farm, Ulster Park, NY

4:45 PM Adjourn

* DEC credits available



THURSDAY, JANUARY 19

TREE FRUIT – TECHNOLOGY IN THE ORCHARD* BALLROOM EAST

Session organized by Matt Wells, CCE Lake Ontario
Fruit Team

- 8:30 AM Announcements and DEC credit sign-up –**
Matt Wells, CCE Lake Ontario Fruit Team
- 8:35 AM Sensor technology 1: Quantitative measurement of fields and crops using drones and ground-based platforms –**
Jim Meyers, Senior Vice President of Technology and Operations, Noukatech, Inc., Ossining, NY
- 9:05 AM Apple harvest mechanization: Present and future states –**
Matt Wells, CCE Lake Ontario Fruit Team
- 9:25 AM Sensor technology 2: Qualitative assessment of crops and decision support –**
Jim Meyers, Senior Vice President of Technology and Operations, Noukatech, Inc., Ossining, NY
- 9:45 AM Break**

* DEC credits available

TREE FRUIT - CHALLENGING WEATHER AND RISK MITIGATION BALLROOM EAST

Session organized by Mario Miranda Sazo, CCE Lake
Ontario Fruit Team

- 10:30 AM Welcome –**
Mario Miranda Sazo, CCE Lake Ontario Fruit Team
- 10:35 AM Airflow machines for cold injury protection –**
Hugh Fraser, OMAFRA (retired), Ontario, Canada
- 11:00 AM Importance of irrigation –**
Jaume Lordan, Horticulture Section, School of Integrative Plant Science, Cornell University
- 11:25 AM Trellis support systems for high-density apples –**
Hugh Fraser, OMAFRA (retired), Ontario, Canada
- 11:45 AM Adjourn**

THURSDAY, JANUARY 19, cont.

BEGINNING FARMER ROOMS 4 - 6

Session organized by Megan Burley, CCE Erie County

- 8:30 AM Welcome –**
Megan Burley, CCE Erie County
- 8:35 AM Challenges and successes of Community Supported Agriculture (CSA) –**
Dan Roelofs, Owner, Arden Farm, East Aurora, NY
- 9:00 AM Restaurants and retail: An urban farm marketing model –**
Mayda Pozantides, Owner, Groundwork Market Garden, Buffalo, NY
- 9:30 AM Cornell Small Farms: Overview of services provided for beginning farmers –**
Matt Weiss, Cornell Small Farms Program
- 9:45 AM Adjourn**

MARKETING: SOCIAL MEDIA AND APPS ROOMS 4 - 6

Session organized by Megan Burley, CCE Erie County

- 10:30 AM Welcome –**
Megan Burley, CCE Erie County
- 10:35 AM How to connect with consumers using social media –**
Danielle Fleckenstein, Beak and Skiff Apple Orchards, LaFayette, NY
- 11:00 AM Utilizing social media for sales on your farm: Making your business thrive –**
Bree Bacon, McCollum Orchards, Lockport, NY
- 11:45 AM Adjourn**



THURSDAY, JANUARY 19, cont.

TRANSPLANT PRODUCTION* ROOMS 4 - 6

Session organized by Teresa Rusinek, CCE Eastern NY
Commercial Horticulture Program

- 1:45 PM** **Announcements and DEC credit sign-up –**
*Teresa Rusinek, CCE Eastern NY Commercial Horti-
culture Program*
- 1:50 PM** **Media, water, and fertility considerations in
transplant production –**
*Teresa Rusinek, CCE Eastern NY Commercial
Horticulture Program*
- 2:15 PM** **Germination chamber design –**
*Crystal Stewart, CCE Eastern NY Commercial
Horticulture Program*
- 2:30 PM** **Grower tips for quality transplant production –**
*Leon Vehaba, Poughkeepsie Farm Project,
Poughkeepsie, NY*
*Teresa Rusinek, CCE Eastern NY Commercial
Horticulture Program*
- 3:00 PM** **Adjourn**

* DEC credits available

FARMERS MARKET FEDERATION ROOM 3

Session organized by Diane Eggert and Galena Ojiem,
Farmers Market Federation of NY

- 9:00 AM** **Welcome –**
Galena Ojiem, Farmers Market Federation of NY
- 9:05 AM** **Farmers market currencies –**
Diane Eggert, Farmers Market Federation of NY
- 10:15 AM** **Break**
- 11:00 AM** **Welcome –**
Galena Ojiem, Farmers Market Federation of NY
- 11:05 AM** **Understanding the science of pricing –**
*Steve Hadcock, CCE Capital Area Agriculture &
Horticulture Program*
- 12:15 PM** **Lunch**

THURSDAY, JANUARY 19, cont.

- 1:45 PM Welcome –**
Galena Ojiem, Farmers Market Federation of NY
- 1:50 PM Working with a diverse audience: Do your research –**
Megan Burley, CCE Erie County
- 3:00 PM Break**
- 3:15 PM Welcome –**
Galena Ojiem, Farmers Market Federation of NY
- 3:20 PM Working with a diverse audience: Understanding the connection between culture and food preferences –**
Megan Burley, CCE Erie County
- 4:30 PM Adjourn**

ROOT CROPS* BALLROOM WEST

Session organized by Crystal Stewart, CCE Eastern NY Commercial Horticulture Program

- 9:00 AM Announcements and DEC credit sign-up –**
Crystal Stewart, CCE Eastern NY Commercial Horticulture Program
- 9:05 AM New product evaluations for control of nematodes in carrots in Ontario, Canada –**
Kevin Vander Kooi, Muck Crops Research Station, University of Guelph, ON, Canada
- 9:35 AM Variety trial show and tell for table beets –**
Crystal Stewart, CCE Eastern NY Commercial Horticulture Program
- 9:55 AM Fresh market carrot variety trial show and tell –**
Crystal Stewart, CCE Eastern NY Commercial Horticulture Program
- 10:15 AM Adjourn**

* DEC credits available

THURSDAY, JANUARY 19, cont.

**CLIMATE SMART FARMING: USING CLIMATE-BASED DECISION TOOLS TO PREPARE FOR CLIMATE VARIABILITY AND CHANGE
ROOMS 1 - 2**

Session organized by Jonathan Lambert and Allison Chatrchyan, Cornell Institute for Climate Smart Solutions (CICSS), Cornell University

9:00 AM Welcome –

*Jonathan Lambert, CICSS, Cornell University
Allison Chatrchyan, CICSS, Cornell University*

9:05 AM Intro to climate trends and impacts on agriculture in the Northeast –

*Jonathan Lambert, CICSS, Cornell University
Allison Chatrchyan, CICSS, Cornell University
Art DeGaetano (tentative), Earth and Atmospheric Sciences, Cornell University*

9:20 AM In-depth view of the CSF Freeze Tools and GDD Tool, interaction with tool among participants, other CSF resources –

*Jonathan Lambert, CICSS, Cornell University
Allison Chatrchyan, CICSS, Cornell University
Art DeGaetano (tentative), Earth and Atmospheric Sciences, Cornell University
NEWA (tentative)*

10:00 AM Questions, discussion, and feedback –

10:15 AM Adjourn



THURSDAY, JANUARY 19, cont.

**ONIONS: ENSURING HIGH QUALITY IN
SMALL-SCALE PRODUCTION*
BALLROOM WEST**

Session organized by Christy Hoepting, CCE Cornell
Vegetable Program

11:00 AM Announcements and DEC credit sign-up –
Christy Hoepting, CCE Cornell Vegetable Program

**11:05 AM Off to the best start: Production of high qual-
ity onion plug transplants, featuring tips for
small-scale production –**
*Kevin Vander Kooi, Muck Crops Research Station,
University of Guelph, ON, Canada*

11:30 AM What's new from industry?

**11:35 AM Bringin' it home: Harvest tips for high quality
onions –**
Christy Hoepting, CCE Cornell Vegetable Program

**11:50 AM Keeping it that way: Post-harvest handling and
storage for quality onions, featuring tips for
small-scale production –**
*Crystal Stewart, CCE Eastern NY Commercial Hor-
ticulture Program*
*Jean-Paul Courtens, Hudson Valley Farm Hub,
Hurley, NY*

12:15 PM Adjourn

* DEC credits available

**EFFICIENT WATER MANAGEMENT ON YOUR
FARM IN THE FACE OF DROUGHT
ROOMS 1 - 2**

Session organized by Jonathan Lambert and Allison
Chatrchyan, Cornell Institute for Climate Smart Solutions
(CICSS), Cornell University

11:00 AM Welcome –
Jonathan Lambert, CICSS, Cornell University
Allison Chatrchyan, CICSS, Cornell University

THURSDAY, JANUARY 19, cont.

11:05 AM Intro to climate trends and best management practices for soil and water resource management –

Jonathan Lambert, CICSS, Cornell University

Allison Chatrchyan, CICSS, Cornell University

Art DeGaetano (tentative), Earth and Atmospheric Sciences, Cornell University

11:15 AM In-depth view of the CSF Irrigation Scheduler and interaction with tool among participants –

Jonathan Lambert, CICSS, Cornell University

Allison Chatrchyan, CICSS, Cornell University

Art DeGaetano (tentative), Earth and Atmospheric Sciences, Cornell University

11:50 AM Overview of other resources available on the CSF website and elsewhere –

Jonathan Lambert, CICSS, Cornell University

Allison Chatrchyan, CICSS, Cornell University

12:00 PM Questions, discussion, and feedback

12:15 PM Adjourn

POTATO* BALLROOM WEST

Session organized by Chuck Bornt, CCE Eastern NY Commercial Horticulture Program

1:45 PM Announcements and DEC credit sign-up –
Chuck Bornt, CCE Eastern NY Commercial Horticulture Program

1:50 PM What we've seen and what we like from our potato variety trials –
Sandy Menasha, CCE Suffolk County
Chuck Bornt, CCE Eastern NY Commercial Horticulture Program

2:20 PM What's new from industry?



THURSDAY, JANUARY 19, cont.

2:25 PM Dickeya blackleg: The newest disease threat to potatoes –
Margaret McGrath, Plant Pathology and Plant-Microbe Biology Section, School of Integrative Plant Science, Cornell University

2:40 PM Managing Colorado Potato Beetle and Potato Leafhopper –
Brian Nault, Entomology, NYSAES, Cornell University

3:00 PM Adjourn

* DEC credits available

HARD CIDER ROOMS 1 - 2

Session organized by Matt Wells, CCE Lake Ontario Fruit Team

1:45 PM Welcome –
Matt Wells, CCE Lake Ontario Fruit Team

1:50 PM From orchard to glass: Designing an optimal craft cider from NY dessert apples –
Micah Martin, Food Science, Cornell University

2:15 PM Introduction to tannins in apples –
Greg Peck, Horticulture Section, School of Integrative Plant Science, Cornell University

2:40 PM Cider apple trees: Supply, demand, and growing challenges from a nurseryman's perspective –
Alan Leonard, Cummins Nursery, Ithaca, NY

3:00 PM Break



THURSDAY, JANUARY 19, cont.

HARD CIDER ROOMS 1 - 2

Session organized by Matt Wells, CCE Lake Ontario
Fruit Team

- 3:15 PM Welcome –**
Greg Peck, Horticulture Section, School of Integrative Plant Science, Cornell University
- 3:20 PM New York cider tasting and social –**
Greg Peck, Horticulture Section, School of Integrative Plant Science, Cornell University
- 4:30 PM Adjourn**

COLE CROPS* BALLROOM WEST

Session organized by Christy Hoepting, CCE Cornell
Vegetable Program

- 3:15 PM Announcements and DEC credit sign-up –**
Christy Hoepting, CCE Cornell Vegetable Program
- 3:20 PM More broccoli from New York? Profiting from the growing demand –**
Thomas Björkman, Horticulture Section, School of Integrative Plant Science, NYSAES, Cornell University
- 3:50 PM What's new from industry?**
- 3:55 PM Breeding diverse quality traits in kale for emerging Northeast markets –**
Hannah Swegarden, Horticulture Section, School of Integrative Plant Science, NYSAES, Cornell University
- 4:15 PM New developments in spread and management of swede midge –**
Christy Hoepting, CCE Cornell Vegetable Program
- 4:30 PM Adjourn**

* DEC credits available

LODGING - OFFICIAL HOTELS

The official hotels for the Empire State Producers Expo are the Genesee Grande (downtown), The Crowne Plaza (downtown), the Doubletree, The Holiday Inn Liverpool (Thruway), and the Marriott Syracuse Downtown.

Upscale and Affordable - The Genesee Grande, just off I-81 and steps from the Syracuse U Carrier Dome. Rooms are available for a discounted rate of \$99 per night. Hospitality suites are also available for your company's needs. Please contact the hotel directly at 315-476-4212 to make your reservations and be sure to mention the Expo or vegetable growers for your discount. This hotel has limited outdoor parking.

Closest to the Expo - The Crowne Plaza, just off I-81 and closest to the Expo site. Rooms are available for \$96. The cutoff date for booking is December 18, 2016. Contact the Crowne at 315-479-7000, and tell them you're with the vegetable growers. This hotel has a free parking ramp.

The Doubletree, located at Carrier Circle, just off the NYS Thruway and offers free shuttle service to the Expo. Rooms are available for \$99. The cutoff date for this price is January 4, 2017. Contact the Doubletree at (315) 432-0200. The shuttle will run from the Doubletree to the Oncenter.

The Holiday Inn Liverpool- Thruway Hotel, located at the 37 Electronics Parkway Exit of the Thruway. Rooms are available for \$97 per night. The cutoff date for booking is December 18, 2016. Contact the Holiday Inn at 315-457-1122 and ask for the Expo rate. Open parking lot with free parking. Hotel to provide dedicated shuttle to the Expo.

Marriott Syracuse Downtown- Newly restored Marriott Syracuse Downtown, located at 100E. Onondaga Street Syracuse, NY 13202, is within walking distance from the Oncenter. Rooms are available for \$109. The cutoff date for this price is December 12, 2016. Contact the Marriott Syracuse Downtown at (315) 474-2424.

ON-SITE PARKING

A garage (\$5 per day) is attached to the Oncenter via an enclosed walkway over State Street, but parking may be limited. Show your Expo badge when paying!

Any overnight guests staying at the Holiday Inn, The Double Tree, Genesee Grande, and the Crowne Plaza please contact the front desk if you are interested in using the free shuttle.

See map for additional parking.

ADDITIONAL PARKING



Oncenter Convention Center



**For additional details contact
the NYS Vegetable Growers
Association at
(585)-993-0775 or
NYSVegetablegrowers@gmail.com**

Empire State Producers Expo and Becker Forum

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