

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Tuesday, January 12, 2021

Session Number 1

Soil Health I – Cover Crops

Session Organized by: **Ryan Maher, Cornell Small Farms Program**

8:45 AM **DEC credit sign-up***

9:00 AM **Welcome**

9:05 AM **Exploring summer cover crops for vegetable systems in the Northeast**
Rebecca Brown – Dept. of Plant Sciences and Entomology, University of Rhode Island, Kingston, RI

9:40 AM **Mechanically interseeding cover crops into Brassica cash crops**
Skip Paul, Wishing Stone Farm - Little Compton, RI

10:15 AM **Morning Break**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	0.5
10	Demonstration	0.5
23	Vegetable	0.5

2021 EMPIRE STATE PRODUCERS EXPO
Virtual

Tuesday, January 12, 2021

Session Number 2

Soil Health II – Reduced Tillage

Session Organized by: **Ryan Maher, Cornell Small Farms Program**

10:45 AM **DEC credit sign-up***

11:00 AM **Welcome**

11:05 AM **No-Till in NH: Lessons from pumpkins and sweet corn**

Chad Cochran, USDA-NRCS, Concord, NH

11:35 AM **Making no-till systems work for transplanted vegetables**

Nathan Johanning, University of Illinois Extension, Waterloo, IL

12:15 PM **Adjourn**

****NYS DEC Credits***

Code	Description	Credits
1a	Agricultural Plant	0.5
10	Demonstration	0.5
23	Vegetable	0.5

2021 EMPIRE STATE PRODUCERS EXPO

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Tuesday, January 12, 2021

Session Number 3

Greenhouse

Session Organized by: **New York State Flower Industries**

1:15 PM DEC credit sign-up*

1:30 PM Welcome and Sponsor Info – Neil Mattson, Cornell School of Integrative Plant Science

1:35 PM How to handle, store and apply beneficials for control of insect pests for greenhouse vegetable transplants and bedding plants – John Sanderson, Dept. of Entomology, Cornell

2:30 PM Planning for pandemic – lessons learned and bright spots for greenhouse operations – Elizabeth Lamb, NYS IPM

3:00 PM Adjourn

****NYS DEC Credits***

Code	Description	Credits
1a	Agricultural Plant	1
10	Demonstration	1
24	Greenhouse and Florist	1

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Tuesday, January 12, 2021

Session Number 4

Tips and Tools for Good Communication Practices between Farmers and Farmworkers

Session Organized by: **Mary Jo Dudley, Director Cornell Farm Worker Program**

3:15 PM Sign-in

3:30 PM Welcome and Sponsor Info

3:35 PM Think back to a time when you were in a place where you were unsure of what to do or what was expected of you. This workshop will provide proven good practices for communications between farmers and foreign born farm workers. Topics will include: getting started- worker orientation checklists; practices for requesting time off; effectively addressing housing challenges; successful exit interviews; preparing for successful workplace meetings; Q and A; and much more.

5:00 PM Adjourn

No DEC credits for this session

2021 EMPIRE STATE PRODUCERS EXPO

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Tuesday, January 12, 2021

Session Number 1

Hemp I

Session Organized by: **Maire Ullrich and Janice Degni, Cornell Hemp Extension Team**

- 8:45 AM** **DEC credit sign-up***
- 9:00 AM** **Welcome and sponsor information** – *Maire Ullrich, Cornell Hemp Extension Team*
- 9:05 AM** **Understanding cannabinoid ratios & the role of genetics**– *Jacob Toth, Dept. of Horticulture, Cornell Agri-Tech*
- 9:25 AM** **Cultivar evaluation and breeding trial updates**– *George Stack, Dept. of Horticulture, Cornell Agri-Tech*
- 9:45 AM** **Diseases affecting hemp in New York.** – *Jennifer Starr, Dept. of Plant Pathology and Plant-Microbe Biology, Cornell*
- 10:05 AM** **Cornell hemp seed treatment update and regulatory paths forward**
– *Alan Taylor, Dept. of Horticulture, Cornell Agri-Tech*
- 10:30 AM** **Morning Break**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	0.75
4	Seed Treatment	0.5
10	Demonstration	0.75
21	Field and Forage	0.75

2021 EMPIRE STATE PRODUCERS EXPO
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Tuesday, January 12, 2021
Session Number 2

Hemp II

Session Organized by: **Maire Ullrich and Janice Degni, Cornell Hemp Extension Team**

- 11:00 AM** **Welcome and Sponsor Info** – *Janice Degni, Cornell Hemp Extension Team*
- 11:05 AM** **Equipment designed for hemp harvesting and processing** – *Corbett Hefner, VP of Research & Development, Formation Ag*
- 11:25 AM** **Industry Update** – *Marc Privatera, President, HIA-NY*
- 11:45 AM** **What’s happening with fiber?** – *Steve Fleishman, Director, Light Green Machines, Ithaca, NY*
- 12:00 PM** **The endocannabinoid system: physiology and pharmacology of cannabidiol**
– *Emily Leppin, School of Pharmacy and Pharmaceutical Sciences, Binghamton University SUNY, Binghamton, NY*
- 12:30 PM** **Lunch Break**

No DEC credits for this session

2021 EMPIRE STATE PRODUCERS EXPO
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Tuesday, January 12, 2021
Session Number 3

Hemp III

Session Organized by: **Maire Ullrich and Janice Degni, Cornell Hemp Extension Team**

- 1:30 PM** **Welcome** – *Janice Degni, Cornell Hemp Extension Team*
- 11:35 PM** **NY legislative hemp & CBD update** – *Assemblywoman Donna Lupardo, Chair, NY Assembly Ag Committee*
- 1:50 PM** **Permitting in 2021**– *Staff TBA, NYS Department of Agriculture & Markets; and USDA*
- 2:05 PM** **NYS cannabinoid program**– *Staff TBA, NYS Department Of Health*
- 2:25 PM** **Kentucky 2020 and crop insurance update**– *Tyler Mark, Dept. of Agricultural Economics, University of Kentucky, Lexington, KY*
- 3:00 PM** **Adjourn**

No DEC credits for this session

2021 EMPIRE STATE PRODUCERS EXPO
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Tuesday, January 12, 2021

Session Number 4

New York Grown and Certified

Session Organized by: **NY Apple Association**

3:15 PM Sign-in

3:30 PM NYS Grown & Certified Program Overview - *Jessica Brooks, NYS Grown & Certified Program Manager, Div. of Marketing and Promotion*

3:45 PM Good Agricultural Practices (GAP), and Reimbursement Opportunities –
Saeed Akhtar, Farm Products Grading Manager, Div. of Food Safety & Inspection

4:00 PM Agricultural Environmental Management (AEM) Program - *Greg Albrecht, Agricultural Environmental Management Program Coordinator, Div. of Land and Water Resources*

4:15 PM Q and A

4:30 PM Adjourn

No DEC credits for this session

2021 EMPIRE STATE PRODUCERS EXPO
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Tuesday, January 12, 2021

Session Number 5

NY Apple Association

Session Organized by: **NY Apple Association**

5:30 PM Sign-in

5:45 PM Welcome and Sponsor Info

5:50 PM The New York Apple Association has been busy creating push/pull promotional and marketing programs! Currently, there have been more than 8,500 grocery store promotions, 125,000 new visitors to the recently refreshed website applesfromny.com, and nearly 9,000,000 consumer impressions in just 2 /12 months. This session will provide an overview of the most recent 2020-21 retail programs in addition to a recap of television, radio and social media campaigns along with trade advertisement initiatives.

7:00 PM Adjourn

No DEC credits for this session

2021 EMPIRE STATE PRODUCERS EXPO

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Wednesday, January 13, 2021

Session Number 1

A Bird's-Eye View of IPM – IPM School Part 1

Session Organized by: **Abby Seaman, Amara Dunn and Marion Zuefle, NYS IPM;**
Elizabeth Buck, CCE Cornell Vegetable Program

- 8:45 AM** **DEC credit sign-up***
- 9:00 AM** **Welcome, logistics, sponsor Info**
- 9:10 AM** **The IPM toolbox - *Amara Dunn, NYS IPM Program***
- 9:50 AM** **IPM on our farm - *Brian Reeves, Reeves Farms, LLC, Baldwinsville, NY***
- 10:25 AM** **Wrap up**
- 10:30 AM** **Morning Break**

****NYS DEC Credits***

Code	Description	Credits
000	CORE	1.25

2021 EMPIRE STATE PRODUCERS EXPO

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Wednesday, January 13, 2021

Session Number 2

Keeping Ahead of the Problems – IPM School Part 2

Session Organized by: **Abby Seaman, Amara Dunn and Marion Zuefle, NYS IPM; Elizabeth Buck, CCE Cornell Vegetable Program**

10:45 AM **DEC credit sign up***

11:00 AM **Welcome, logistics, sponsor Info**

11:10 AM **How do I find them, and how many is too many?** – *Marion Zuefle, NYS IPM Program*

11:25 AM **Knowing what’s coming** – *Abby Seaman, NYS IPM Program*

11:45 PM **Grower Panel: How we accomplish scouting and pest monitoring on our farm** - *Emma Long, Crop Production Manager, CY Farms, Elba, NY, Wendy Burkhart-Spiegel, Common Thread Community Farm, Madison, NY, and Ralph Ooman, Ooman Bros., Hart, MI*

12:15 PM **Learn From Your On-Farm History** – *Elizabeth Buck, CCE Cornell Vegetable Program*

12:25 PM **Wrap-up**

12:30 PM **Lunch Break**

***NYS DEC Credits**

Code	Description	Credits
000	CORE	1

2021 EMPIRE STATE PRODUCERS EXPO

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Wednesday, January 13, 2021

Session Number 3

Off to a Good Start with Vine Crops – IPM School Part 3

Session Organized by: **Abby Seaman, Amara Dunn and Marion Zuefle, NYS IPM; Elizabeth Buck, CCE Cornell Vegetable Program**

- 1:15 PM** **DEC credit sign-up***
- 1:30 PM** **Welcome, logistics, sponsor info**
- 1:40 PM** **Setting up for vine crop victory: Cultural practices and nutrient management**
-Steve Reiners, Dept. of Horticulture, Cornell Agri-Tech
- 2:10 PM** **Weeds and cucurbits, new solutions for an old problem?** *-Thierry Besancon, Dept. of Plant Biology, Rutgers University, Chatsworth, NJ*
- 2:40 PM** **Using the whole toolbox to beat tough weeds – Nathan Johanning, Johanning Farm, Fufts, IL**
- 3:00 PM** **Afternoon break**

***NYS DEC Credits**

Code	Description	Credits
000	CORE	1
1a	Agricultural Plant	0.5
10	Demonstration	0.5
23	Vegetable	0.5

2021 EMPIRE STATE PRODUCERS EXPO

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Wednesday, January 13, 2021

Session Number 4

Keeping Ahead of Insects and Diseases in Vine Crops - IPM School Part 4

Session Organized by: **Abby Seaman, Amara Dunn and Marion Zuefle, NYS IPM; Elizabeth Buck, CCE Cornell Vegetable Program**

- 3:15 PM** **DEC credit sign-up***
- 3:30 PM** **Welcome, logistics, sponsor info**
- 3:35 PM** **Squash those bugs! – *Brian Nault, Dept. of Entomology, Cornell Agri-Tech***
- 4:05 PM** **Managing diseases with an integrated mindset – *Meg McGrath, Dept. of Plant Pathology and Plant-Microbe Biology, Cornell, Riverhead, NY***
- 4:35 PM** **Cucurbit IPM on our farm – *Ralph Ooman, Ooman Brothers, Hart, MI; and Ben Werling, Michigan State University Extension Oceana Co., Hart, MI***
- 5:00 PM** **Adjourn**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1.5
10	Demonstration	1.5
23	Vegetable	1.5

2021 EMPIRE STATE PRODUCERS EXPO

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Wednesday, January 13, 2021

Session Number 1

Snap Beans

Session Organized by: **Julie Kikkert, CCE Cornell Vegetable Program**

- 8:45 AM** **DEC credit sign-up***
- 9:00 AM** **Welcome and sponsor info** – *Julie Kikkert, CCE Cornell Vegetable Program*
- 9:05 AM** **Common Lambsquarters: The biological and environmental factors impacting its control** – *Lynn Sosnoskie, Dept. of Horticulture, Cornell Agri-Tech*
- 9:25 AM** **Considerations for management of seedcorn maggot, potato leafhopper, and European corn borer in conventional and organic snap beans** – *Brian Nault, Dept. of Entomology, Cornell Agri-Tech*
- 9:45 AM** **Application of Unmanned Aerial Systems (UAS) in snap beans for growth stage classification, yield forecasting, and white mold risk assessment** - *Jan van Aardt (speaker), Amirhossein Hassanzadeh and Fei Zhang, Rochester Institute of Technology, Rochester, NY; Sarah Pethybridge and Sean Murphy, Dept. of Plant Pathology & Plant Microbe Biology, Cornell AgriTech, Geneva, NY; and Julie Kikkert, CCE Cornell Vegetable Program*
- 10:15 AM** **Adjourn**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1
10	Demonstration	1
23	Vegetable	1

2021 EMPIRE STATE PRODUCERS EXPO

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Wednesday, January 13, 2021

Session Number 2

White Mold

Session Organized by: **Eric Branch and Pratibha Sharma, Cornell AgriTech**

10:45 AM **DEC credit sign-up***

11:00 AM **Welcome and Sponsor info**

11:05 AM **An overview of white mold across New York cropping systems** - *Eric Branch (speaker) and Pratibha Sharma, Cornell AgriTech, Plant Pathology & Plant-Microbe Biology*

11:25 AM **Battling white mold of soybeans using research-based management techniques** - *Damon Smith, Dept. of Plant Pathology, University of Wisconsin, Madison, WI*

12:05 PM **Fungicides for white mold control in snap and dry beans: Who, what, when, why?!** - *Sarah Pethybridge, Dept. of Plant Pathology & Plant-Microbe Biology, Cornell Agri-Tech*

12:30 PM **Adjourn**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1.5
10	Demonstration	1.5
21	Field and Forage	1.5
23	Vegetable	1.5

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Wednesday, January 13, 2021

Session Number 3

High Tunnels

Session Organized by: **Judson Reid, CCE Cornell Vegetable Program/Harvest NY, and Elisabeth Hodgdon, CCE Eastern NY Commercial Horticulture Program**

- 1:30 PM** **Welcome** – *Elisabeth Hodgdon, CCE Eastern NY Commercial Horticulture Program*
- 1:35 PM** **Common high tunnel soil issues and how to correct them** – *Jud Reid, CCE Cornell Vegetable Program/Harvest NY*
- 1:50 PM** **Optimizing irrigation water quality in tunnels** – *Neil Mattson, Cornell School of Integrative Plant Science*
- 2:05 PM** **Using cover crops in tunnels** – *Caitlin Tucker, CCE Cornell Vegetable Program*
- 2:20 PM** **High tunnel tomatoes at Edgewater Farm** – *Lockwood “Pooh” Sprague, Edgewater Farm, Plainfield, NH*
- 2:35 PM** **Q&A with Speaker Panel**
- 3:00 PM** **Adjourn**

No DEC credits for this session

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Wednesday, January 13, 2021

Session Number 4

Sweet Corn: Using Laser Scarecrows for Bird Control

Session Organized by: **Charles Bornt, CCE Eastern NY Commercial Horticulture Program and Steve Reiners, Dept. of Horticulture, Cornell Agri-Tech**

- 3:15 PM** **DEC credit sign-up***
- 3:30 PM** **Welcome and sponsor info** – Charles Bornt, CCE Eastern NY Commercial Horticulture Program
- 3:35 PM** **The history of using lasers as bird deterrents** – *Jeremy Perkins, Bird Control Group, NY*
- 3:50 PM** **Developing a low cost laser scarecrow for bird control in Rhode Island and New York** – *Rebecca Brown, Dept. of Plant Sciences and Entomology, University of Rhode Island, Kingston, RI, and Ali Mirzakhani Nafchi, CCE Cornell Vegetable Program*
- 4:15 PM** **New York grower experiences with laser scarecrows for bird control** – *Nick Stanton, Stanton's Feura Farm, Feura Bush, NY*
- 4:25 PM** **Panel discussion and audience questions**
Rebecca Brown, Ali Mirzakhani Nafchi, Jeremy Perkins and Nick Stanton
- 5:00 PM** **Adjourn**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	0.5
10	Demonstration	0.5
23	Vegetable	0.5

2021 EMPIRE STATE PRODUCERS EXPO
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Wednesday, January 13, 2021

Session Number 5

NY Apple Association

Session Organized by: **NY Apple Association, Mark Wiltberger CCE Lake Ontario Fruit Program**

5:30 PM Sign-in

5:45 PM Welcome and Sponsor Info

5:50 PM Apple Grower Roundtable: Dealing with COVID-19. Moderator: Mark Wiltberger

A roundtable of apple growers will discuss challenges met and lessons learned from dealing with the COVID-19 pandemic during the 2020 year. Growers will address issues for U-Pick operations, farm markets, and field operations. The discussion will be a series of questions and answers from the roundtable moderator and the audience. Panelists:

- Warren Abbott, Abbott Farms, Baldwinsville, NY
- Mark Lagoner, Lagoner Farms, Williamson, NY
- Alec Moore, Reisinger's Apple Country, Watkins Glen, NY
- Mark Wiltberger, Panel Moderator, Business Management Specialist, CCE Lake Ontario Fruit Program

7:00 PM Adjourn

No DEC credits for this session

2021 EMPIRE STATE PRODUCERS EXPO
Virtual

Thursday, January 14, 2021

Session Number 1

Onion Bulb Rot

Session Organized by: **Christy Hoepting, CCE Cornell Vegetable Program**

8:45 AM DEC recertification credit sign-in*

9:00 AM Welcome and sponsor info, Christy Hoepting, CCE Cornell Vegetable Program

9:05 AM Rotten Onions 101: Part I – What kind of rot you got? *Lindsey du Toit, WSU Dept. of Plant Pathology, Bhabesh Dutta and Brian Kvitko, UGA Dept. of Plant Pathology, and Christy Hoepting, CCE Cornell Vegetable Program*

9:30 AM Rotten Onions 101: Part II – The many ways onions rot, *Bhabesh Dutta and Brian Kvitko, UGA Dept. of Plant Pathology, and Lindsey du Toit, WSU Dept. of Plant Pathology, and Christy Hoepting, CCE Cornell Vegetable Program*

10:00 AM Stop the Rot: Rot-free onions in the making - Overcoming challenges to identify genetic varietal tolerance to bulb rot, *Brian Kvitko and Bhabesh Dutta, UGA Dept. of Plant Pathology, Lindsey du Toit, WSU Dept. of Plant Pathology and Christy Hoepting, CCE Cornell Vegetable Program*

10:20 AM Questions and Discussion, *Lindsey du Toit, Bhabesh Dutta, Brian Kvitko, Christy Hoepting*

10:30 AM Morning Break

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1.5
10	Demonstration	1.5
23	Vegetable	1.5

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Thursday, January 14, 2021

Session Number 2

Onion Critical Issues

Session Organized by: **Christy Hoepting, CCE Cornell Vegetable Program**

10:45 AM DEC recertification credit sign-in*

11:00 AM Welcome and sponsor info, *Christy Hoepting, CCE Cornell Vegetable Program*

11:05 AM Fragile FRAC 7 Fungicides: Part I - Current status of Stemphylium leaf blight fungicide resistance in onion in New York, *Frank Hay, Daniel Heck and Katrin Ayer, Dept. of Plant Pathology and Plant-Microbe Biology, Cornell Agri-Tech*

11:40 AM Fragile FRAC 7 Fungicides: Part II – Field performance of these fungicides for control of Stemphylium leaf blight in onion in New York, *Christy Hoepting, CCE Cornell Vegetable Program*

11:50 AM New developments regarding unfair trade practices including cheap onion exports from Canada, *Greg Yielding, Executive Vice President, National Onion Association, Greely, CO*

12:10 PM National onion promotion program, *Rene Hardwick, Director of Public and Industry Relations, National Onion Association, Greely, CO*

12:20 PM Questions and Discussion

12:30 PM Adjourn

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	0.75
10	Demonstration	0.75
23	Vegetable	0.75

2021 EMPIRE STATE PRODUCERS EXPO
Virtual

Thursday, January 14, 2021

Session Number 3

PSA Remote Grower Training Course Part 1

Session Organized by: **Elizabeth Bihn, Food Science, Cornell**

***NOTE:** In order to receive an AFDO/PSA certificate of attendance, participants must be in attendance online for ALL modules.

**** NOTE:** Times fall outside standard EXPO hours in order to not overlap with other sessions

12:30 PM **Log in, Certificate Sign in**

1:00 PM **Welcome, Introductions, and Course Expectations**
– *Betsy Bihn, Food Science, Cornell*

2:00 PM **Module 1: Introduction to Produce Safety**
– *Betsy Bihn, Food Science, Cornell*

3:00 PM **Break**

Credits only for entire training, received after last session

Thursday, January 14, 2021

Session Number 4

PSA Remote Grower Training Course Part 2

Session Organized by: **Elizabeth Bihn, Food Science, Cornell**

***NOTE: In order to receive an AFDO/PSA certificate of attendance, participants must be in attendance online for ALL modules.**

**** NOTE: Times fall outside standard EXPO hours in order to not overlap with other sessions**

- 3:15 PM Module 2: Worker Health, Hygiene, and Training**
– *Elisabeth Hodgdon, CCE Eastern NY Commercial Horticulture Program*
- 4:15 PM Module 3: Soil Amendments**
– *Laura Pineda-Bermudez, Cornell University Institute of Food Safety*
- 5:00 PM Module 4: Wildlife, Domestic Animals, and Land Use**
– *TBD*
- 5:45 PM Day 1 Wrap-Up and Questions**
- 6:00 PM Adjourn - End Day**

Credits only for entire training, received after last session

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Thursday, January 14, 2021

Session Number 1

Bright Brassica Beginnings - IPM School Part 5

Session Organized by: **Abby Seaman, Amara Dunn and Marion Zuefle, NYS IPM;**
Elizabeth Buck, CCE Cornell Vegetable Program

8:45 AM DEC credit sign-up*

9:00 AM Welcome, logistics, sponsor info

9:10 AM **Big and Beautiful Brassicas: Cultural practices and nutrient management**
– *Steve Reiners, Dept. of Horticulture, Cornell Agri-Tech*

9:40 AM **Beating weeds in Brassicas** – *Lynn Sosnoskie, Dept. of Horticulture, Cornell Agri-Tech*

10:10 AM **Proactive IPM through soil health, cover cropping, and weed management**
– *Rick Pedersen, Pedersen Farms, Seneca Castle, NY*

10:30 AM Morning Break

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1.25
10	Demonstration	1.25
23	Vegetable	1.25

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Thursday, January 14, 2021

Session Number 2

Clean Cole Crops - IPM School Part 6

Session Organized by: **Abby Seaman, Amara Dunn and Marion Zuefle, NYS IPM; Elizabeth Buck, CCE Cornell Vegetable Program**

10:45 AM DEC credit sign-up*

10:55 AM Welcome, logistics, sponsor info

11:00 AM **Combating Cole crop critters** – *Riley Harding, Dept. of Entomology, Cornell Agri-Tech*

11:30 AM **Spots and rots** – *Chris Smart, Dept. of Plant Pathology & Plant-Microbe Biology, Cornell*

12:00 PM **What I've learned managing pests and disease at Sang Lee Farms** – *Fred Lee, Sang Lee Farms, Peconic, NY*

12:30 PM Adjourn

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1.5
10	Demonstration	1.5
23	Vegetable	1.5

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Thursday, January 14, 2021

Session Number 3

Weed Management Session 1

Session Organized by: **Lynn Sosnoskie, Dept. of Horticulture, Cornell Agri-Tech, and Bryan Brown, NYS IPM**

- 1:15 PM** **DEC credit sign-up***
- 1:30 PM** **Welcome and sponsor info** – *Lynn Sosnoskie, Dept. of Horticulture, Cornell Agri-Tech, and Bryan Brown, NYS IPM*
- 1:35 PM** **Herbicide discovery and commercialization in the context of herbicide-resistance management** – *Zahoor Ganie, FMC, Newark, DE*
- 1:55 PM** **Biological herbicides for weed control** – *Louis Boddy, Marrone Bio Innovations*
- 2:15 PM** **Using steam to manage weeds in perennial crops** – *Marcelo Moretti, Dept. of Horticulture, Oregon State University, Corvallis, OR*
- 2:35 PM** **Weed control from an electrical discharge system in soybeans: Initial results** – *Lynn Sosnoskie, Cornell University*
- 3:00 PM** **Afternoon Break**

***NYS DEC Credits**

Code	Description	Credits
000	CORE	1
21	Field and Forage	0.25
23	Vegetable	0.25

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Thursday, January 14, 2021

Session Number 4

Weed Management Session 2

Session Organized by: **Lynn Sosnoskie, Dept. of Horticulture, Cornell Agri-Tech, and Bryan Brown, NYS IPM**

- 3:15 PM** **DEC credit sign-up***
- 3:30 PM** **Welcome and sponsor info** – *Lynn Sosnoskie, Cornell, and Bryan Brown, NYSIPM*
- 3:35 PM** **Using super-slow-motion video to improve weed control of row cultivators**
– *Bryan Brown, New York State IPM*
- 3:50 PM** **How does cultivation actually control weeds? Using this knowledge to improve efficacy** – *Eric Gallandt, School of Food and Agriculture, University of Maine, Orono, ME*
- 4:10 PM** **Robotics, automation, and intelligent machines for weed management** – *Steve Fennimore, Dept. of Plant Sciences, University of California, Davis, CA*
- 4:30 PM** **Weed and farm management using robotics and computer vision** – *Pauline Canteneur, FarmWise, San Francisco, CA*
- 4:45 PM** **Cultivation guidance systems available in the eastern U.S.** – *Michael Smith, KULT Kress, Gordonville, PA*
- 5:00 PM** **Adjourn**

***NYS DEC Credits**

Code	Description	Credits
000	CORE	1.5

2021 EMPIRE STATE PRODUCERS EXPO
Virtual

Friday January 15, 2021

Session Number 1

Berry Session I – Spotted Wing Drosophila

Session Organized by: **Esther Kibbe, CCE Harvest NY and Laura McDermott, CCE Eastern NY Commercial Horticulture Program**

- 8:45 AM** **DEC credit sign-up***
- 9:00 AM** **Welcome and sponsor information**
- 9:05 AM** **Non-Chemical SWD Control – Results from 2020 Trial – *Esther Kibbe, CCE Harvest NY***
- 9:30 AM** **Designing exclusion netting support systems that provide long term control of SWD and maximum utility for berry farmers – *Chris Callahan, University of Vermont Extension, Bennington, VT***
- 10:00 AM** **What we've learned about pests in low tunnel strawberry systems – *Samantha Willden, Dept. of Entomology, Cornell***
- 10:30 AM** **Morning Break**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1.5
10	Demonstration	1.5
22	Fruit	1.5
24	Greenhouse and Florist	0.5

2021 EMPIRE STATE PRODUCERS EXPO
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Friday January 15, 2021

Session Number 2

Berry Session II – Day Neutral Strawberry Production

Session Organized by: **Esther Kibbe, CCE Harvest NY and Laura McDermott, CCE Eastern NY Commercial Horticulture Program**

10:45 AM DEC credit sign-up*

11:00 AM Welcome and sponsor information

11:05 AM Managing pests in Day Neutral strawberries – Erica Pate, Ontario Ministry of Agriculture, Food and Rural Affairs, Simcoe, Ontario, Canada

11:35 AM How we make Day Neutral strawberries pay – A Grower Panel -Tim Stanton, Stanton Family Farms, Feura Bush, NY, and Bryan Samascott, Samascott Orchards, Kinderhook, NY

12:00 PM Novel low tunnel coverings for Day Neutral strawberries - Richard Gaisser Jr., Dept, of Horticulture, Cornell

12:30 PM Lunch break

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1.5
10	Demonstration	1.5
22	Fruit	1.5

2021 EMPIRE STATE PRODUCERS EXPO

Virtual

Friday January 15, 2021

Session Number 3

Berry Session III – Market Opportunities for Berry Growers

Session Organized by: **Esther Kibbe, CCE Harvest NY and Laura McDermott, CCE Eastern NY Commercial Horticulture Program**

- 1:15 PM** **DEC credit sign-up***
- 1:30 PM** **Welcome and sponsor information**
- 1:35 PM** **Pandemic retail marketing – changes made that may stick – A Farmer Panel –**
John Kelder, Kelder's Farm, Kerhonkson, NY
Robert Arnold, Pleasant Valley Farm, Argyle, NY
Melinda Vizcarra, Becker Farms, Gasport, NY
- 2:10 PM** **NYS Berry Growers Annual Meeting – Elizabeth Madison Malchoff, NYSBGA**
President
- 2:20 PM** **New Weed Control Products for Berry Crops – Lynn Sosnoskie, Dept. of**
Horticulture, Cornell Agri-Tech
- 2:45 PM** **Adjourn**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	0.5
10	Demonstration	0.5
22	Fruit	0.5

2021 EMPIRE STATE PRODUCERS EXPO
Virtual

Friday, January 15, 2021
Session Number 4

A Five Year Lens – How Growing Produce is Changing

Session Organized by: **Elizabeth Buck, CCE Cornell Vegetable Program**

- 3:15 PM** **DEC credit sign-in***
- 3:30 PM** **Welcome, sponsor info** – *Elizabeth Buck, CCE Cornell Vegetable Program*
- 3:40 PM** **Setting up for crop protection in 2026** – *Larissa Smith, Syngenta Crop Protection, King Ferry, NY*
- 4:00 PM** **The intersection of farming, climate variability, and digital agriculture**
Abe Stroock, School of Chemical and Biomolecular Engineering, Cornell, and Art Degaetano, Dept. of Earth & Atmospheric Sciences, Cornell
- 4:30 PM** **A future with fewer pesticide tools? Perspectives from Ontario, Canada**
Jim Chaput, Provincial Minor Use Pesticides Coordinator, Ontario Ministry of Agriculture, Food, and Rural Affairs, Guelph, Ontario, Canada, and Chris Duyvelshoff, Ontario Fruit & Vegetable Growers Association, Guelph, Ontario, Canada
- 5:00 PM** **Adjourn**

***NYS DEC Credits**

Code	Description	Credits
1a	Agricultural Plant	1
10	Demonstration	1
21	Field and Forage	1
22	Fruit	1
23	Vegetable	1
24	Greenhouse and Florist	1
25	Nursery, Ornamentals & Turf	1

2021 EMPIRE STATE PRODUCERS EXPO
Virtual

Friday, January 15, 2021

Session Number 1

PSA Remote Grower Training Course Part 3

Session Organized by: **Elizabeth Bihn, Food Science, Cornell**

***NOTE: In order to receive an AFDO/PSA certificate of attendance, participants must be in attendance online for ALL modules.**

**** NOTE: Times fall outside standard EXPO hours in order to not overlap with other sessions**

7:45 AM Log in

8:00 AM Welcome and Day 1 Recap
– *Betsy Bihn, Food Science, Cornell*

8:30 AM Module 5: Agricultural Water – Part I: Production Water
– TBD

9:30 AM Module 5: Agricultural Water – Part II: Postharvest Water
– *Elisabeth Hodgdon, CCE Eastern NY Commercial Horticulture Program*

10:30 AM Break

Credits only for entire training, received after last session

2021 EMPIRE STATE PRODUCERS EXPO
Virtual

Friday, January 15, 2021
Session Number 2

PSA Remote Grower Training Course Part 4

Session Organized by: **Elizabeth Bihn, Food Science, Cornell**

***NOTE: In order to receive an AFDO/PSA certificate of attendance, participants must be in attendance online for ALL modules.**

**** NOTE: Times fall outside standard EXPO hours in order to not overlap with other sessions**

10:45 AM Module 6: Postharvest Handling and Sanitation
– *Ricardo Orellana, Produce Safety Alliance*

11:45 AM Module 7: How to Develop a Farm Food Safety Plan
– *Laura Pineda-Bermudez, Cornell University Institute of Food Safety*

12:30 PM Final Questions, Closing Statements, and Course Evaluations
– *Betsy Bihn Food Science, Cornell*

1:00 PM Adjourn - End of course

****NYS DEC Credits***

Code	Description	Credits
000	CORE	0.25
1a	Agricultural Plant	0.75
10	Demonstration	0.75
22	Fruit	0.75
23	Vegetable	0.75