



Thursday, January 07, 2021

OMAFRA Vegetable Team:

Travis Cranmer, Guelph
519-835-3382
travis.cranmer@ontario.ca

Dennis Van Dyk, Guelph
519-766-5337
dennis.vandyk@ontario.ca

Elaine Roddy, Ridgetown
519-401-5890
elaine.rodry@ontario.ca

Amanda Tracey, Ridgetown
519-350-7134
amanda.tracey@ontario.ca

Virtual Empire Expo – January 12- 15, 2021



Virtual sessions ranging from cover crops to IPM covering many crops including onions, cucurbits and brassicas will take place Tuesday to Friday. Several sessions pertaining to vegetables are highlighted below but for a complete list of available sessions please visit: <http://nysvga.org/expo/information/>

Soil Health I – Cover Crops & Reduced Tillage

Tuesday, January 12, 2021

Session Organized by: Ryan Maher, Cornell Small Farms Program

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

11:05 AM No-Till in NH: Lessons from pumpkins and sweet corn
Chad Cochrane, 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

A Bird's-Eye View of IPM

Wednesday, January 13, 2021

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

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*

10:30 AM Morning Break

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*

12:30 PM Lunch Break

“In This Issue”

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Cucurbit Session

Wednesday, January 13, 2021

Session Organized by: Abby Seaman, Amara Dunn and Marion Zuefle, NYS IPM;

Elizabeth Buck, CCE Cornell Vegetable Program

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 Johannning, Johannning Farm, Fuels, IL*

3:00 PM Afternoon break

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

Snap Beans Session

Wednesday, January 13, 2021

Session Organized by: Julie Kikkert, CCE Cornell Vegetable Program

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 Morning Break

11:00 AM 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

High Tunnel Session

Wednesday January 13, 2021

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

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Sweet Corn: Using Laser Scarecrows for Bird Control

Wednesday, January 13, 2021

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

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

Onion Session

Thursday, January 14, 2021

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

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, Greeley, CO*

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

12:20 PM Questions and Discussion

12:30 PM Adjourn

Brassica Session

Thursday January 14, 2021

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

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 AgriTech*

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

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

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Weed Management

Thursday January 14, 2021

1:30 PM Welcome and sponsor info – *Lynn Sosnoskie, Dept. of Horticulture, Cornell AgriTech, and Bryan Brown, NYS IPM*

1:35 PM Herbicide discovery and commercialization in the context of herbicide-resistance management – *Zaboor 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

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*

A Five Year Lens – How Growing Produce is Changing

Friday, January 15, 2021

Session Organized by: Elizabeth Buck, CCE Cornell Vegetable Program

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

Expo Registration Fees

\$45/day (\$40 for each additional individual per farm)

\$80/2 days (\$75 for each additional individual per farm)

\$100/3-4 days (\$95 for each additional individual per farm)

Pre-registration is required (no deadline) up until day of event.

For more information and to register for the 2021 Empire State Producers Expo: <http://nysvga.org/expo/information/>



EXPO
January 12-15, 2021
Online in 2021!
nysvga.org/expo

Online sessions appropriate for all levels of experience:

- Cabbage
- Snap Beans
- Industrial Hemp
- Sweet Corn
- Onions
- Berries
- Greenhouse/High Tunnel Production
- White Mold
- Weed Management
- Soil Health
- Using Video
- Enterprise Budgets
- IPM School
- Produce Safety Alliance
- Grower Training
- COVID-19 Success Stories

PROGRAM UPDATES
nysvga.org/expo

For technology assistance, call 508-993-0775 or email NYSvegetablegrows@gmail.com
We are organizing local viewing hubs for those without computer access. Call for details!