

### White Rust of Radish

Judson Reid, Cornell Cooperative Extension, Cornell Vegetable Program

Radishes have become a year-round crop in New York, with a brief radish-free window in mid-summer. Radishes are grown as a fresh market field crop in the spring and fall, through the winter as a high tunnel/greenhouse crop and as a field-wide 'tillage' cover crop. The recent adoption of tillage radishes (Daikons that improve soil health) has greatly increased radish acreage, although these are never harvested. Radish as a cover crop is sown from mid-August through mid-September and will freeze out in most of NY by mid-winter. 2020 saw early harvest of many field crops, which meant vast acreage of cover crops, including radishes. All of these methods of growing radishes can contribute to disease spread, of an otherwise low-disease crop. Diseases are generally so low in fact, that consulting the Cornell Vegetable Guidelines, we find no diseases listed for radish!



The white blisters or pustules on the underside of this leaf are full of White Rust spores. *Photo by Judson Reid, CCE Cornell Vegetable Program* 

## About VegEdge

VegEdge newsletter is exclusively for enrollees in the Cornell Vegetable Program, a Cornell Cooperative Extension partnership between Cornell University and CCE Associations in 14 counties.

The newsletter is a service to our enrollees and is intended for educational purposes, strengthening the relationship between our enrollees, the Cornell Vegetable Program team, and Cornell University.

We're interested in your comments. Contact us at: CCE Cornell Vegetable Program 480 North Main Street, Canandaigua, NY 14224 Email: cce-cvp@cornell.edu

Web address: cvp.cce.cornell.edu

- **Contributing Writers** Elizabeth Buck Robert Hadad
- Robert Hadad Christy Hoepting Esther Kibbe, CCE Harvest NY Margie Lund Julie Kikkert Ali Nafchi Judson Reid

#### Publishing Specialist/Distribution/Sponsors

Angela Parr (Julie Kikkert substitute for this issue)

VegEdge is published 25 times per year, parallel to the production schedule of Western New York growers. Enrollees in the Cornell Vegetable Program receive a complimentary electronic subscription to the newsletter. Print copies are available for an additional fee. You must be enrolled in the Cornell Vegetable Program to subscribe to the newsletter. For information about enrolling in our program, visit cvp.cce.cornell.edu. Cornell Cooperative Extension staff, Cornell faculty, and other states' Extension personnel may request to receive a complimentary electronic subscription to VegEdge by emailing Angela Parr at aep63@cornell.edu. Total readership varies but averages 700 readers.

Information provided is general and educational in nature. Employees and staff of the Cornell Vegetable Program, Cornell Cooperative Extension, and Cornell University do not endorse or recommend any specific product or service.

This publication contains pesticide recommendations. Changes in pesticide regulations occur constantly and human errors are possible. Some materials may no longer be available and some uses may no longer be legal. All pesticides distributed, sold or applied in NYS must be registered with the NYS Department of Environmental Conservation (DEC). Questions concerning the legality and/or registration status for pesticide usage in NYS should be directed to the appropriate Cornell Cooperative Extension (CCE) specialist or your regional DEC office.

CCE and its employees assume no liability for the effectiveness or results of any chemicals for pesticide usage. No endorsement of products or companies is made or implied. **READ THE LABEL BEFORE APPLYING ANY PESTICIDE.** 

Help us serve you better by telling us what you think. Email us at *cce-cvp@cornell.edu* or write to us at Cornell Vegetable Program, 480 North Main Street, Canandaigua, NY 14424.



Cornell University Cooperative Extension Cornell Vegetable Program

# Contents

#### **Contact Us**

Cornell Vegetable Program	12
Articles	
White Rust of Radish	01
Onion Bulb Rot Diagnostic Video Released	02
Virtual Vegetable Variety Trials	03
2021 Becker Forum & Empire Expo Go Virtual	04
2021 Becker Forum: Times of Change	05
2021 Expo Onion Sessions	06
Empire Expo Features IPM School for Vegetable Growers	06
Spotted Lanternfly Found in Ithaca, NY	07
Plastic Mulch Survey Participants Wanted	08

#### **Upcoming Events**

High Tunnels After Dark	09
Annie's Project	
Good Agricultural Practices (GAPs) Training	09
2020 NYS Processing Vegetable Advisory Meetings	10

The next issue of VegEdge will be January 5, 2021

## **Onion Bulb Rot Diagnostic Video Released**

Christy Hoepting, CCE, Cornell Vegetable Program

Bulb rot caused by bacterial pathogens can be confused with bulb rots caused by fungal pathogens as well as physiological disorders. It is important to accurately diagnose the cause of bulb rot/internal disorder in order to determine future effective preventative management strategies. In this simple 4 minute video, accurate identification of bulb rot caused by bacterial pathogens is distinguished from lookalikes caused by fungal pathogens Botrytis neck rot, Fusarium basal rot, black mold and blue mold and physiological disorders dry scale and translucent scale. It was produced by the CCE Cornell Vegetable Program for the Stop the Rot USDA-NIFA Project 2019-51181-30013. Available in both **English and Spanish** on the <u>CCE Cornell Vegetable Program YouTube channel</u>.



However, the disease White Rust is a serious problem for fresh market growers, particularly in fall and winter indoor growing. The disease produces white pustules on the underside of the leaf, with yellow discoloration on the upper surface. White Rust can also deform the stem and root of radish.

The pathogen causing the disease, *Albugo candida*, is an oomycete, or water mold. This class of pathogen is the same as those that cause Downy Mildew and Late Blight in other vegetable crops. From this we can surmise that leaf wetness is critical in facilitating White Rust infection. White Rust can infect without standing water, but reducing moisture is the primary management tool. Water molds have unique swimming spores that need free moisture to infect.

Management Tips:

- Consider non-radish cover crops in proximity to fresh market radish plantings (particularly near greenhouse and high tunnels).
- Manage weeds, such as wild mustards which can also be hosts.
- Rotate, or space out other Brassica crops, which are also hosts.
- Avoid leaf wetness by using drip irrigation.
- Reduce relative humidity with frequent ventilation.
- Avoid temperature swings that produce condensation within a greenhouse.
- Preventative use of biological materials such as Actinovate, Cease or Stargus is permitted for greenhouse and high tunnel vegetable crops in New York. Although White Rust is not on the label, other oomycete diseases are listed.

Seed companies are actively developing resistant radish varieties, which we hope will become part of the management tool kit in the future. •

## **Virtual Vegetable Trials**

Robert Hadad, Cornell Cooperative Extension, Cornell Vegetable Program

The new normal is seeing some interesting firsts. A few educational programs that originally slated to be onfarm or in the classroom had to be revamped to fit an online format. As we (vegetable and other Extension educator) have run more of these programs, nuances have been learned making the presentations more interactive and hopefully a little more interesting. The same has been true with the vegetable variety industry.

Several of the big names in vegetable breeding and seed companies still ran their trials this summer. The only thing missing has been the field days for growers to see the results of these trials. Technology has helped in overcoming the travel and group restrictions. From the comfort of your office chair or your living room couch, you can connect and see what is new coming down for the new season.

Bejo Seeds had their long-standing field trials this summer. The late August highlight was visiting their trial plots to see what's new, different, and performing with summer and fall production. The team at Bejo masterfully took that live experience and transformed it to a virtual tour. Considering the limitations of technology and the hot and dry summer, the vegetable trials looked very good.

Our good friends at the American Vegetable Grower magazine (11/19/20) have provided links to this program as well as three others. Find the video of Bejo field day here: <u>https://</u> youtu.be/281AMFL8jgM

The other companies who held virtual

field days or variety trials were H.M. Clause: <u>https://www.youtube.com/</u> <u>watch?v=dbJf1civ-kA</u> for the introduction and individual crop videos are found at <u>https://</u> <u>www.hmclausefielddays.com/</u>

Sakata Seed America have a few quick video clips for key crop varieties while other videos provide deeper details. <u>https://youtu.be/Fbf2GF9zkoU</u> and <u>https://sakatavegetables.com/Video-Library/</u>

Sygenta also has an America Tour video set. <u>https://www.youtube.com/watch?</u> <u>v=1X5II2G8wQ8</u> and search "Syngenta Americas Tour Live! 2020" <u>on YouTube</u> to view all the videos. •



# 2021 BECKER FORUM & EMPIRE STATE PRODUCERS EXPO GO VIRTUAL

New York State Vegetable Growers Association <u>nysvga.org/expo/information</u>

Following much consideration, the New York State Vegetable Growers Association and Cornell Cooperative Extension announce they are transforming the annual Becker Forum and Empire State Producers Expo into a virtual conference scheduled for January 11-14, 2021. Pre-registration is required for ALL attendees.

#### Cost:

\$50 for Becker Forum\$45 for 1 day of Expo\$80 for 2 days of Expo\$100 for 4 days of Expo

#### To Register:

On-line: <u>nysvga.org/expo/information</u> Don't have access to a computer or the internet?

If you need assistance with registering without a credit card or need a location with computer/ internet to participate in the expo, please contact Jessica at (585) 993-0775.

	Expo Day 1 Tuesday, January 12			EXPO Day 2		
				Wednesday, January 13		
Session 1	8:45 am – 10:15 am	8:45 am – 10:30 am		8:45 am – 10:30 am	8:45 am - 10:15 am	
	Soil Health I – Cover Crops	Hemp I		IPM School Part 1 – A Bird's Eye View of IPM	Snap Beans	
	0.5 DEC credits	0.75 DEC credits		1.25 DEC credits	1.0 DEC credits	
	(1A, 10, <b>23)</b>	(1A, 10, <b>21)</b>		(1A, 10, <b>21-25)</b>	(1A, 10, 23)	
	Morning Break					
Session 2	10:45 am – 12:15 pm	11:00 am – 12:30 pm		10:45 am – 12:30 pm	10:45 am – 12:30 pm	
	Soil Health II Hemp II – Reduced Tillage	IPM School Part 2 – Keeping Ahead of Problems	White Mold			
	<b>0.75</b> DEC credits (1A, 10, <b>23)</b>	No DEC credits		<b>1.25</b> DEC credits (1A, 10, <b>21-25)</b>	<b>1.5</b> DEC credits (1A, 10, <b>21, 23)</b>	
	Lunch Break					
Session 3	1:15 pm – 3:00 pm	1:30 pm – 3:00 pm		1:15 pm – 3:00 pm	1:30 pm – 3:00 pm	
	Greenhouse	Hemp III		IPM School Part 3 – Off to a Good Start with Vine Crops	High Tunnels	
	<b>1.0</b> DEC credits (1A, 10, <b>24)</b>	No DEC credits		<b>1.25</b> DEC credits (1A, 10, <b>23)</b>	No DEC credits	
	Afternoon Break					
Session 4	3:15 pm – 5:00 pm	3:15 pm – 5:00 pm		3:15 pm – 5:00 pm	3:15 pm – 5:00 pm	
	Labor	Apple		IPM School Part 4 – Keeping Ahead of Diseases in Vine Crops	Sweet Corn – Laser Scarecrows for Bird Control	
	No. DEC credits	No. DEC credits		<b>1.5</b> DEC credits (1A, 10, <b>23</b> )	<b>1.0</b> DEC credits (1A, 10, <b>23</b> )	

	EXPO Day 3			EXPO	-	
	Thursday,	January 14		Friday, Ja	nuary 15	
Session 1	8:45 am – 10:30 am	8:45 am – 10:30 am		7:45 am – 10:30 am	8:45 am - 10:30 am	
	Onion Bulb Rot	IPM School Part 5 – Bright Brassica Beginnings		Produce Safety Part 3	Berries I – Spotted Wing Drosophila	
	<b>1.5</b> DEC credits (1A, 10, <b>23)</b>	<b>1.25</b> DEC credits (1A, 10, <b>23)</b>		No DEC credits	<b>1.5</b> DEC credits (1A, 10, <b>22</b> )	
	Morning Break					
Session 2	10:45 am – 12:30 pm	10:45 am – 12:30 pm		10:45 am – 1:00 pm	10:45 am – 12:30 pm	
	Onion Critical IPM School Part 6 Issues – Clean Cole Crops			Produce Safety Part 4	Berries II – Day Neutral Strawberries	
	<b>0.75</b> DEC credits (1A, 10, <b>23)</b>	<b>1.5</b> DEC credits (1A, 10, <b>23</b> )		No DEC credits	<b>1.5</b> DEC credits (1A, 10, <b>22)</b>	
		Lunc	h	Break		
Session 3	12:30 pm – 3:00 pm	1:15 pm – 3:00 pm		1:15 pm – 3:00 pm	1:15 pm – 2:45 pm	
	Produce Safety Part 1	Weed Management I		What Buyers and Sellers Need to Know	Berries III – Market Opportuni- ties for Berry Growers	
	No DEC credits	<b>1.5</b> DEC credits (1A, 10, <b>21, 23</b> )		No DEC credits	<b>0.5</b> DEC credits (1A, 10, <b>22</b> )	
		Afterno	00	on Break		
Session 4	3:15 pm – 6:00 pm	3:15 pm – 5:00 pm		3:30 pm – 5:00 pm	3:15 pm – 5:00 pm	
	Produce Safety Part 2	Weed Management II		How Much Does it Cost to Grow that Crop?	A Five-Year Lens – How Growing Produce is Changing	
	No DEC credits	1.5 DEC credits (1A, 10, <b>21, 23</b> )		No DEC credits	<b>1.0</b> DEC credits (1A, 10, <b>21-25)</b>	

# 2021 BECKER FORUM: TIMES OF CHANGE - JANUARY 11, 2021

The Becker Forum will be held January 11, 2021 on-line, from 8:30 am until 4:00 PM.

Topics include:

- Update on the NY Wage Board Report
- Washington Legislative and H-2A

Update:

- Grower panel on overtime and day -of-rest, what strategies and tactics are producers using to manage?
- Grower Strategies for Responding to Union Organizing
- New York Legislative Panel
- COVID-19, Outlook on the Virus and Update About Vaccines

Cost: \$50

Register: On-line: <u>nysvga.org/expo/</u> information or call Jessica at (585) 993-0775.

# 2021 Expo Onion Sessions: Bulb Rot Deep Dive, Fragile FRAC 7 Fungicides and Unfair Trade

Christy Hoepting, Cornell Cooperative Extension, Cornell Vegetable Program

If it were simple, we would have found a solution by now. Bacterial bulb rot has been the arch nemesis of the American onion industry for decades, including New York. Fortunately, the National USDA Stop the Rot project is set to change this trajectory. In the first year of this four-year project we are building a foundation of knowledge, upon which we can intelligently build management strategies in upcoming years. At 2021 Empire Expo, we're going to Onion Rot School, and we're bringing in the Nation's Masters to teach the class. Lindsey du Toit is a hard working plant pathologist from WSU and the Stop the Rot project leader. Bhabesh Dutta is an award-winning UGA extension plant pathologist and his colleague UGA onion bacteriologist David Kvitko, are passionately pursuing bacterial bulb rot. Together these three onion enthusiasts will take us on

a deep dive into the complexities of onion bulb rot. They will describe a pathway to tolerant onion varieties via a new technology on the verge of a breakthrough.

How are the fragile FRAC 7 fungicides like Luna Tranquility and Merivon holding up against Stemphylium leaf blight (SLB)? Did we lose our favorite SLB fungicides to resistance? Is there crossresistance among the different subclasses? The Cornell SLB team (Hay, Hoepting, Ayer and Heck) will present the latest field research and laboratory results regarding the future of FRAC 7 fungicide use for SLB by region in New York.

Finally, Greg Yielding, the Executive Vice President of the National Onion Association, will address the issue of cheap onion imports from Canada. There will be two 1.5 hour onion sessions in the morning of Thursday, January 14, 2021. A total of 2.25 DEC recertification credits have been applied for these sessions.



Close-up of onion bulb cut in half longitudinally. The outer 4 scales are firm while the inner scales are mushy and discolored.

## **Empire State Expo Features IPM School for Vegetable Producers**

Elizabeth Buck, Cornell Cooperative Extension, Cornell Vegetable Program

Whether you're an experienced grower or a relative newbie, there's something for you at the Expo IPM school! All sessions will feature growers sharing why and how they practice IPM on their farms and will invite you to make practical plans for how to use more IPM in 2021. Attend as many IPM School sessions as you like. 1.25 – 1.5 DEC credits requested in categories 1a, 10, and 21-25 for each session.

#### Part 1: A Bird's-Eye View of IPM Wed. Jan 13<sup>th</sup>, 8:45 – 9:30 am

IPM is not a destination; it's a journey. Whether you're new to farming (or IPM) or have been farming with IPM for decades, there's always room for more IPM! We will open our Vegetable IPM School by inviting participants to think about how they are already using IPM on their farms. After a quick overview of tools in the IPM toolbox and hearing from other NY growers, we hope participants will leave with some new ideas for where adding an IPM practice could improve yields and reduce risks to people and the environment.

#### Part 2: Keeping Ahead of the Problems Wed. Jan 13<sup>th</sup>, 10:45 – 12:30

You want to stay ahead of pests by scouting and monitoring, but it's hard to find the time to get it done. Learn from a variety of farmers how they fit scouting into busy seasons, as well as where to find insect and disease forecasts and how to use them. And then there's mapping and recordkeeping – these two words have an uncanny power to inspire lots of glazed eyes, overwhelmed looks, dismissive handwaves, and assertions of superior memory ability. You'll get tips for making mapping and record keeping digestible tasks rather than onerous chores.

# Part 3: Off to a good start with Vine Crops:

Wed. Jan 13<sup>th</sup>, 1:15 – 3:00 pm

This 2-for-1 session looks at producing vine crops through an IPM lens. Our feature presenter, Illinois grower Nathan Johanning, faces a suite of tough weeds in his grain-pumpkin cropping rotation. He has found a recipe for enhanced efficacy and ecologically enlightened weed control by using a full toolbox of weed control tactics. Leading up to Nathan's talk, Rutgers weed scientist Thierry Besancon answers the question: are there new solutions for old weed management problems? Learn how to start off on the right foot with Steve Reiners as he gives a primer on the best cultural and nutritional IPM practices to follow during crop establishment.

# Part 4: Keeping Ahead of Insects and Diseases in Vine Crops

#### Wed. Jan 13<sup>th</sup>, 3:15 – 5:00 pm

Learn about the fundamentals of insect and disease management in vine crops from our Cornell experts Brian Nault and Meg McGrath. Then we'll hear from Ooman Bros. in Hart, Michigan. Ooman Bros. is a  $4^{th}$  generation, 2,000 acre family farm located just miles from *Lake Michigan. They raise about 200* acres of zucchini, butternut and delicata for processing following conventional and organic production methods. They will share their IPM approach to managing pests & diseases, with an emphasis on soil-borne diseases, and also discuss what they've learned as they have adjusted their IPM program to grow organically.

#### Part 5: Bright Brassica Beginnings

#### Thursday, Jan 14<sup>th</sup>, 8:45 – 10:30 am

Brilliant brassicas start with good cultural practices and nutrition and keeping ahead of weeds. Steve Reiners will go over variety selection, plant density, irrigation, and fertility, to get the best start to your crop. Then Lynn Sosnoskie, Weed Ecologist, will cover all things weeds. We will end the session with a discussion with Rick Pedersen, who grows 600 acres of primarily fresh market produce in Seneca Castle and the surrounding area. He will share his knowledge on soil health and IPM practices that he uses to decrease weeds in his organic cabbage and kale.

#### Part 6: Clean Cole Crops

#### Thursday, Jan 14<sup>th</sup>, 10:45 – 12:30

*If you're growing cole crops, you'll* want to attend this final IPM School session focused on brassica insect and disease management! Our IPM School capstone grower-speaker is Fred Lee, an award-winning Long Island grower. Fred will share his approach to developing and implementing a brassica IPM program, drawing on his decades of experience growing diverse brassicas for a wide variety of markets. Cornell's Riley Harding will cover control of diamond back moth, cabbage maggots and thrips' and dig into options for preventing and managing insecticide resistance. Chris Smart is eager to get rid of brassica spots and rots and will be sharing all her best IPM tips for disease control.

# Spotted Lanternfly, an Invasive Pest Threatening Grapes and Other Crops, Found in Ithaca, NY

Northeastern IPM Center https://www.northeastipm.org/index.cfm

A population of spotted lanternfly (SLF) has been found in Ithaca, NY, just off the Cornell University campus.

They were found on their favorite host plant, another invasive species, tree of heaven (*Ailanthus altissima*). However, SLF also feeds on many other trees and plants, which, unfortunately, includes grapevines. With New York State's important Finger Lakes grape-growing region and wine industries so close to Ithaca, state agencies and researchers are particularly concerned about this pest's impact in the region.

SLF is not a fly, but rather a large planthopper. Adults are about an inch long. SLF does not bite or sting and is not a threat to people, pets, or livestock. For most New Yorkers, it will be no more than a nuisance pest. Nymphal and adult SLF have piercingsucking mouthparts that drill into plant phloem. SLF's excrement—a sappy liquid called honeydew—makes things sticky and becomes a breeding ground for sooty mold, an annoying black fungal growth. While SLF is native to Asia, it was first found in the U.S. in Pennsylvania. As the pest has begun to spread to neighboring states, knowledge and experience from Pennsylvania's SLF researchers and specialists has been benefiting New York. Pennsylvania agriculture experienced losses of entire grapevine plants in some vineyards, and their economists estimate a potential combined annual loss to their state of \$324 million and 1,665 jobs.

Because SLF is a significant agricultural pest, research is underway even now, as Cornell investigates biological control and other management options. The goal is to develop a holistic integrated pest management (IPM) strategy to combat spotted lanternfly, incorporating a variety of research-driven techniques to supplement the use of pesticides wherever possible. This will minimize the downsides of a pesticidefirst strategy, which include detrimental effects on humans, pets, livestock, and other non-target organisms, as well as the development of pesticide resistance (and resulting loss of effectiveness) in the target pest.

The New York State IPM Program (NYSIPM) and the Northeastern IPM Center, in conjunction with the state's Department of Agriculture and Markets and Department of Environmental Conservation, have been preparing for SLF's potential arrival here for the last few years. In that time, we've developed educational resources to help recognize this insect and prevent its spread. Partnering with affected states, we've maintained a map tracking its spread and quarantines across the Mid -Atlantic and Northeast region.



Spotted lanternfly adult. Photo: Michael Houtz

continued on next page

To properly identify spotted lanternfly and understand its life cycle, its host plants, and how to monitor and manage it, visit:

StopSLF.org Spotted Lanternfly IPM (NYSIPM)

#### "What Should I Do?"

If you think you see a spotted lanternfly, report it to New York State Department of Agriculture and Markets using the Spotted Lanternfly Public Report. Check out the SLF life cycle, below, so you'll know what to look for. From fall through spring, look for egg masses. Some online resources on egg masses: Identifying Spotted Lanternfly Egg Masses (PDF)

# What Should You Do with Spotted Lanternfly Egg Masses?

# How to Remove Spotted Lanternfly Eggs

In late spring and early summer, look for the nymph stages. In late summer

through fall, look for adults.

Don't transport this pest. Individual and commercial travelers alike should be aware that there's significant potential to unknowingly spread this insect to new areas. Adult SLF can end up in vehicles. Egg masses can be laid on virtually anything and can be easily overlooked. Inspect anything that you load into your vehicle. •



# **Plastic Mulch Project Survey Participants Wanted**

Elizabeth Buck, Cornell Cooperative Extension, Cornell Vegetable Program

The CCE Cornell Vegetable Program is a partner on a project with the Rochester Institute of Technology that is creating new methods for manufacturing plastic mulch and promoting its field break-down. The project aims to tightly match new product development to grower preferences, on-farm use patterns, and current economic constraints surrounding plastic film use. This 5-minute survey is being used to collect that data – we'd greatly appreciate your input!

https://cornell.ca1.qualtrics.com/jfe/ form/SV\_3mxuwOVIZIaxGvj



# **UPCOMING EVENTS**

view all Cornell Vegetable Program upcoming events at cvp.cce.cornell.edu

#### High Tunnels After Dark

December 8 & 15, 2020 | 5:00 PM - 7:00 PM Online

Join University of New Hampshire Extension for their virtual high tunnel conference on Tuesday evenings in December. Cost: \$25 for the entire series, or FREE if you would like to present one slide during their grower innovation "lightning round." Pesticide recertification credits are available for New York and New England growers who attend live and meet eligibility requirements.

Tues, Dec. 8, 5-7 PM. Diseases & Insects in High Tunnels: Cheryl Smith (UNH) presents "Diagnosing problems in high tunnels", Anna Wallingford (UNH) and Cheryl Sullivan (UVM) present "Common and uncommon insect pests of tunnels and best practices to manage them". We'll work as a group to diagnose problems from photos submitted by participants. NY DEC credits: 2.0 in Categories 1a, 3a, 22, 23, 24, 25.

Tues, Dec. 15, 5-7 PM. Soil, Pest and Crop Management in Tunnels: Jonathan Ebba and George Hamilton (UNH) present "5 tips to getting good spray coverage in tunnels", Becky Maden (UVM) and Bruce Hoskins (UME) present "Adjusted high tunnel fertility guidelines: how are they working in practice?", and "Varieties for high tunnels" will be presented by a panel of expert seed company representatives. NY DEC credits: 0.5 in Categories 1a, 3a, 22, 23, 24, 25.

For more information, and to register:

https://extension.unh.edu/blog/high-tunnels-after-dark-2020-high-tunnel-production-conference

#### Annie's Project: Stress Management

December 9, 2020 | 6:30 PM - 8:00 PM Online

This workshop, taught by Annie's Project facilitators and in partnership with NY FarmNet, will unpacking stress management specific to farm women. We'll cover financial stressors, emotional stress, and the Art of Negotiation. Only women are able to register in order to provide a safe space for conversations. Cost: Free.

#### To register: https://tinyurl.com/y6md2shg

For more information contact Bonnie Collins <u>bsc33@cornell.edu</u> or 315-736-3394

#### Virtual Good Agricultural Practices (GAPs) Training

December 14, 2020 | 8:45 AM - 4:30 PM Online

Robert Hadad and Caitlin Tucker are hosting a Virtual Good Agricultural Practices (GAPs) training in partnership with CCE Niagara.

Good Agricultural Practices are common-sense practices that farmers and their employees can implement in order to reduce food safety risks on their farms, increase efficiency, and improve worker health and safety. Day One of this program will focus on training growers on farm food safety principles related to worker health and hygiene, risk assessment, pest management, post-harvest water management, food safety in the wash/ pack facility, and more. Day Two (which will be scheduled later in January) will be for those growers who want help with writing a farm food safety plan. If you want to be certified under the GAPs program, a farm food safety plan is needed for the audit.

This training is sponsored by the Niagara County Farm to School Program at CCE Niagara County.

**Cost:** Pre-registration is required to attend this FREE training.

**Register here:** <u>https://cornell.zoom.us/meeting/register/tJMqcOqrrzliGdC7QeOu52OhlChmAZx6jmoa</u> For more information contact Amanda Henning <u>app27@cornell.edu</u> or 716-433-8839

# **UPCOMING EVENTS**

view all Cornell Vegetable Program upcoming events at cvp.cce.cornell.edu

#### Annie's Project: Health and Safety for Farm Women

#### December 15, 2020 | 6:30 PM - 8:00 PM

#### Online

This workshop, co-taught by Annie's Project facilitators and Bassett Healthcare/NY Center for Agricultural Medicine and Health, will discuss tools and ergonomics for farm women, health issues for women, and safety surrounding women and teens on the farm. Only women are able to register in order to provide a safe space for conversations. Cost: Free.

#### To register: https://tinyurl.com/yxhmloos

For more information contact Bonnie Collins bsc33@cornell.edu or 315-736-3394

#### 2020 NYS Processing Vegetable Advisory Meetings

#### December 15 & 16, 2020

#### Online

We are holding the processing commodity advisory meetings virtually on Zoom, since we are not able to hold an in-person meeting this year due to COVID-19 safety restrictions. The meetings will cover a review of the 2020 growing season, reports of funded projects, and discussion of research priorities for the coming year. We hope you can join us! The meetings are free of charge. **Pre-Registration is required by Dec. 11th** 

#### December 15

Snap Bean Advisory: 9:00 AM to 10:30 AM (0.75 DEC credits in Categories 1a, 10, 23)

Grean Pea and Sweet Corn Advisory: 1:30 PM to 3:00 PM (1.0 DEC credits in Categories 1a, 10, 23)

#### December 16

Beet & Carrot Advisory: 9:00 AM to 11:00 AM (1.0 DEC credits in Categories 1a, 10, 23)

#### Register through the CCE Cornell Vegetable Program website: <u>https://cvp.cce.cornell.edu/</u>

After you register you will receive an email on or before Dec. 13th with a link that will enable you to connect to any or all of the commodity meetings via Zoom. At the end of the registration form, there is space to enter what pest, weed, or other issues you experienced in the 2020

For more information contact Julie Kikkert at jrk2@cornell.edu or 585-313-8160

#### **Becker Forum:**

January 11 | 8:30 AM to 4:00 PM Online

See page 5 for description. Register at Cost: \$50 Register: On-line: <u>http://nysvga.org/expo/information/</u> or call Jessica at (585) 993-0775

#### **Empire State Producers Expo**

January 12-14 | Time: Varies Online

See page 4-7 for description and cost.

Register: On-line: nysvga.org/expo/information or call Jessica at (585) 993-0775.

#### Good Agricultural Practices (GAPs) Farm Food Safety Training

January 27 & 28 | Time: TBA Online

Jan 27 – full day training on farm food safety principles and practices

Jan 28 – assistance provided to growers who need to write a food safety farm plan if they need a GAPs audit or just want a plan to help guide them with implementing practices.

This will be an online program training. More details to follow. For further information please contact Laura Biasillo, Broome Co. CCE at <u>lw257@cornelll.edu</u> or (607) 584-5007. There will be a registration fee.









American Takii, Inc. 831-443-4901 | www.takii.com 180 years Creating Tomorrow Today



Vegetable Seeds for Professionals 315-789-4155 www.bejoseeds.com

### Carolina Bastern Crocker, LLC

www.cecrocker.com Stafford, NY (585) 345-4141 Pavilion, NY (585) 584-3036



CERTIS USA Contact Judy Collier ides • • • (302) 542-4665 g the way in Biopesticide options for fruit, vegetables and more



*Growmark FS - Filling Your Crop Needs* Elba Muck 716-474-0500 | Caledonia 585-538-6836 Knowlesville 585-798-3350 | Batavia 585-343-4622



Pest control products for fruit, vegetable and field crops. Dave Pieczarka, 315-447-0560



Call 800-544-7938 for sales or visit www.harrisseeds.com A Grower Friendly Company



Medina, NY...(585) 798-6215 Geneva, NY...(315) 789-4450 Genoa, NY...(315) 497-2713



SEEDWAY Vegetable Seeds 800-952-7333 | www.seedway.com We are focused on quality seed and service!



Blake Myers, 585.303.3252 George Dobson, 585.405.4160 Randy Demay, 585.747.3379

#### **CORNELL COOPERATIVE EXTENSION**

#### **CORNELL VEGETABLE PROGRAM**

480 North Main Street Canandaigua, NY 14424



# VEGEdge

VegEdge is the award-winning newsletter produced by the Cornell Vegetable Program in Western New York. It provides readers with information on upcoming meetings, pesticide updates, pest management strategies, cultural practices, marketing ideas and research results from Cornell and Cornell Cooperative Extension. VegEdge is produced every few weeks, with frequency increasing leading up to and during the growing season.

#### **VEGETABLE SPECIALISTS**

Elizabeth Buck | 585-406-3419 cell | emb273@cornell.edu fresh market vegetables, weed management, soil health

Robert Hadad | 585-739-4065 cell | rgh26@cornell.edu food safety & quality, organic, business & marketing, and fresh market vegetables

**Christy Hoepting** | 585-721-6953 cell | cah59@cornell.edu onions, cabbage, broccoli, garlic, pesticide management

Julie Kikkert, Team Leader | 585-313-8160 cell | jrk2@cornell.edu processing crops (sweet corn, snap beans, lima beans, peas, beets, carrots)

Margie Lund | 607-377-9109 cell | mei296@cornell.edu Potatoes, dry beans, and post-harvest handling & storage

Judson Reid | 585-313-8912 cell | jer11@cornell.edu greenhouse production, small farming operations, and fresh market vegetables

PRECISION AG SPECIALIST Ali Nafchi | 585-313-6197 cell | anafchi@cornell.edu

For more information about our program, email cce-cvp@cornell.edu or visit us at CVP.CCE.CORNELL.EDU

#### PROGRAM ASSISTANTS

0

0

John Gibbons | jpg10@cornell.edu

Angela Ochterski | aep63@cornell.edu

Caitlin Tucker | cv275@cornell.edu

Sarah Vande Brake | sv483@cornell.edu

Emma van der Heide | ev247@cornell.edu

#### **ADMINISTRATION**

Peter Landre | ptl2@cornell.edu

Steve Reiners | sr43@cornell.edu

### CORNELL COOPERATIVE EXTENSION CORNELL VEGETABLE PROGRAM



Cornell Cooperative Extension is an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities and provides equal program and employment opportunities.