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Fruit Notes

YOUR TRUSTED SOURCE FOR RESEARCH-BASED KNOWLEDGE

Cornell Cooperative Extension
Lake Ontario Fruit Program

Volume 21

Issue 4

March 24, 2021

Spring is Nearly Sprung!

Craig Kahlke

The million-dollar question at this time of the year is always the same- when will we be at green tip in apples? Our specialists and technician are in various orchards over the next several days looking at phenology in early varieties. At the time of this writing, we're still at silver tip. The table below gives degree day accumulations (Base 43BE) through March 22 and forecasted through March 29. As a reminder, silver tip in McIntosh usually occurs between **58-106 DD Base43 BE**, and green tip between **99-144**.

Table 1. Degree day accumulations (Base 43BE) through 3/22 and forecasted through 3/29 for NEWA stations in our region.

NEWA Station	GDD Accumulation Through 3/22	GDD Forecast Through 3/29
Albion	61	109
Ashwood	50	94
Burt	49	86
Butler (Tree Crisp)	62	121
Fairville (The Apple Shed)	59	115
Geneva (AgriTech McCarthy)	60	118
Knowlesville	57	108
Lyndonville	54	100
Medina	63	115
Pt. Breeze	63	98
Ransomville	62	115
Sodus (Cherry Lawn)	55	109
Sodus Lake	38	87
Waterport (Orchard Dale)	49	83
Williamson (DeMarree)	51	99
Williamson (Mason)	50	99

Interestingly, we are nearly at the same GDD as the Hudson Valley, which historically is 1-2 weeks ahead of us. Dr. Terence Robinson will be running the updated model with the extended forecast in a Fruit Facts later this week.

Reminder to Sign up for Fruit Facts if You Haven't Already!

The Fruit Facts is your timely pest management and cultural practices information that is emailed or faxed to you 1-4 times a week. For more info, see the enrollment section on our website at:

<https://lof.cce.cornell.edu/enrollment.php>



Early Season Disease Management for 2021

Katrin Ayer, Kerik Cox (Plant Pathology and Plant Microbe Section, Cornell) and Janet van Zoeren

Winter finally arrived in mid-January and we had record snow deficit until early to mid-February, which brought snowstorms, but we didn't have consistent snow cover as was commonplace five to ten years ago. In the Hudson Valley and Long Island, green tip is imminent for the early varieties and ascospores will be maturing. The rest of the production areas in NY still have a week before bud break. While we've had some bursts of warm weather and in the coming week, there are cooler days forecasted, which could slow tree development. Overall, the season will be upon us shortly, and we need to consider early season management for apple scab. In 2020, there was a considerable drought from late May to August, which barely afforded 5 inches and only a handful of infection periods after petal fall. Indeed, unsprayed trees of several different cultivars barely developed any apple scab. As if in testament, there were no reports of apple scab control failures in commercial orchards anywhere in NY.

Inoculum reduction recommendations in 2021.

Because of the 2020 season's drought, there should be little to no overwintering inoculum for apple scab in 2021. I would not advocate skipping early season fungicide applications or even forgoing orchard floor urea. These practices serve to reduce the "primary ascospore inoculum", the parts of the fungus that start the epidemic that we manage all season. Reducing this initial will further eliminate any overwintering inoculum, which will delay the epidemic. If there is little rain early in the season, it could be possible to delay the epidemic at a point in the season where it would be too dry and hot for the apple scab fungus to cause infection. It likely that we will get another drought period at some point in this season, and until we know when it is occurring, we should keep suppressing apple scab so that it can't get a foothold in orchards.

Given the dry 2020 season, taking steps to reduce orchard floor leaf litter and fruit drops may greatly reduce the inoculum for apple scab, other foliar diseases like Marssonina leaf spot, and fruit rot diseases. As soon as it is possible to safely get a tractor in the orchard, remove any remaining fruit drops and pruned shoots left on the floor from winter pruning that may contain bitter rot or black rot inoculum. If apple scab leaf inoculum reduction was practiced in the fall with flail mowing or urea sprays, it won't be necessary to practice inoculum reduction

this spring. Even if the planting is in green tip, inoculum reduction may still provide some benefit by reducing inoculum pressure by tight cluster or pink, when tissues are at their greatest susceptibility to apple scab.

The two best options for inoculum reduction are to apply the urea to leaf litter or use a flail mower to shred leaves. These practices hasten decomposition of the inoculum. In the case of flail mowing, leaves should be first swept or raked from underneath the canopy into row middles as most of the apple scab inoculum is present on litter under the trees. Subsequently, go over the row middles with the flail mower set to scalp the sod. If urea is used, apply 40 lbs. of feed grade urea per acre in 100 gallons of water to the herbicide strip. Dolomitic lime applied at a rate of 2.5 tons per acre can be used in place of urea. Of the various options, applying urea is the simplest approach, but take care to flush the sprayer pumps with water afterwards since the urea is caustic and can corrode a pump over time. As suggested above, the use of orchard floor urea may also reduce inoculum of other diseases (e.g. Marssonina blight, Bitter rot, and Black rot) as it hastens decomposition of leaf litter, fruit drops and pruned shoot that harbor the pathogens causing foliar diseases, cankers, and summer fruit rots.

Delayed-Dormant copper for fire blight inoculum reduction.

The warm weather at and following petal fall in 2020 left much of NY and New England devastated by fire blight. There will likely be an excessive number of cankers in affected orchards. However, a "delayed-dormant" application of copper at silver tip will help reduce inoculum of fire blight in cankers and apple scab in buds. Given the recent cold weather, overwintering fire blight cankers are still dormant, and these high inoculum fire blight research orchards show no sign of oozing. As the weather begins to warm (> 60°F) in the coming weeks, fire blight cankers could begin to ooze, be on the lookout for these. It's important to note that cold weather will not kill fire blight bacteria overwintering in cankers. The bacteria will remain viable at low (< 32F) temperatures. By the time we reach bud break, cankers could be oozing. To reduce fire blight inoculum and further reduce early season apple scab inoculum, make a "delayed dormant" silver-tip application of a high (>15%) metallic copper

equivalent (MCE) copper fungicide (e.g. Badge, Kocide, Cuprofix). The early season may prove to be dry, and it might be easy to make this application if the rainfall trends continue. Even at green tip, it is generally still safe to apply high MCE copper products. In the Geneva research orchards, our second fungicide application at ¼” green is still often copper.

Early season apple scab management.

Once green tip is past, it’s advisable to start applying protectant fungicides for apple scab, timed according to infection events predicted by weather conditions. One of the most popular protectant fungicide programs consists of a tank mix of Captan with Mancozeb at half maximal rates for each product (e.g. Captan 80 at 2.5lbs/A & Mancozeb 3lbs/A). The combination is referred as

“Captozeb” in the vernacular sense and has excellent residual (Mancozeb) and redistribution (Captan) properties, but has little to no post-infection activity, and must be applied before rains. Re-application is warranted when unprotected tissues emerge 7 days later or when considerable rainfall (> 1”) occurs.

For any fungicide application, it is advisable to use the NEWA apple scab forecasting system (<http://newa.cornell.edu/>) or other disease forecasting services to identify predicted ascospore releases and potential infection events to improve application timing. When practical, one should apply fungicides prior to predicted large releases of ascospores (> 15% discharge) during weather conditions conducive to infection (Figure 1).

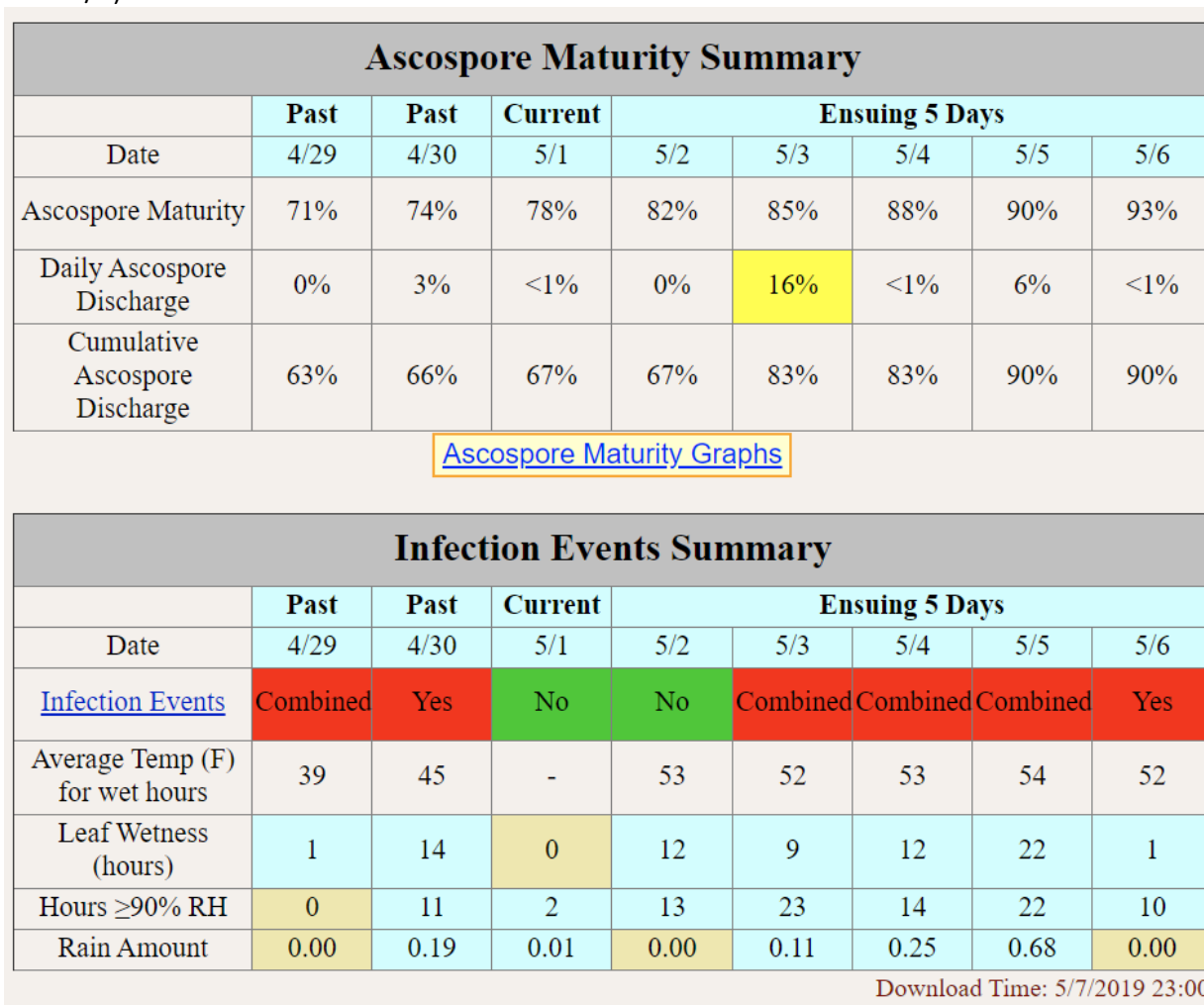


Figure 1. Output from the NEWA apple scab disease forecasting tool for late May in the Hudson Valley. An ideal time for protecting the crop with a fungicide would be before the predicted ascospore discharge on 5/3. The date of 5/1 would also be an ideal time for selecting a product containing a single-site fungicide, which has post-infection activity. Such an application would also protect against the minor infection on 4/30 (3% ascospore discharge) and subsequent infections in early May.

As the season approaches bloom or if there is rain for several days after green tip, consider some of the products containing single-site fungicides (e.g. Luna Tranquility, Luna Sensation, Flint, Fontelis, Merivon, Syllit, Rally, Rhyme, Inspire Super, Miravis, Aprovia). Many of the products containing single-site fungicides will provide a broader range of activity against other fungal pathogens like powdery mildew and fruit rots, which may cause latent infections at bloom, whereas the “Captoze” combination does not. Given fungicide resistance concerns, it’s no longer recommended to apply products containing single-site fungicides for post-infection activity. Instead, think of making applications between infection periods. Use disease forecasting to identify periods where substantial ascospore release (> 15% discharge) has occurred and another infection period is predicted soon after. (Figure 1).

For example, apply your selected product containing a single-site fungicide(s) (with 3 lb/A mancozeb) for “next week’s” infection within 24-48 hours after the last infection period. It should protect against the next predicted infection and perhaps afford some curative activity if any germinating spores slipped through the fungicide coverage from the previous week. Of the products with single-site fungicides, dodine, sold as Syllit, will likely be your strongest performer for applications between infection periods. However, Syllit may only be applied twice before pink. Another option would be to use Aprovia, Miravis, Sercadis, Luna Tranquility, Cevya, or Inspire Super. The former three products are exceptionally effective on apple scab, while the latter two are also highly effective, and include an anilinopyrimidine (AP), which works best in the colder temperatures that often occur prior to bloom. As the season progresses into bloom, Luna Sensation or Merivon, which contain quinone outside inhibitor (QoI) fungicides, would be good choices for orchards planted along the lake where apple powdery mildew pressure can be high.

A new apple fungicide for 2021.

Interestingly, we have a new DMI fungicide-Cevya from BASF. In field trials in Geneva, I’ve

found it to be exceptional against apple scab (include that caused by DMI resistant *Venturia inaequalis*), powdery mildew, and even late season bitter rot at harvest. It is, unfortunately, “Restricted-Use” in NY, not allowed on Long-Island, and not actually labeled for bitter rot. Since you only can make three applications of Cevya at the 5 oz./A rate, I would save it for petal fall, first or second cover. At PF and 1st, tank mixes become complex with foliar nutrients, thinners, insecticides, and fungicides, and Captan can have numerous incompatibilities leading to injured fruit in wet weather. Replacing Captan+mancozeb with a material like Cevya (or the other fungicides recommended at bloom) + mancozeb or + sulfur would be less risky to fruit finish. Cevya’s 0-day PHI is a wonderful feature, and I’d save one spray for pre-harvest, noting it’s excellent activity in some of our pre-harvest spray, post-harvest efficacy studies at Geneva.

Summary

A strong early disease management program should begin inoculum reduction with urea or flail mowing as soon as orchards can be entered. Make sure to be sweeping the orchard to remove prunings and any remaining apple drops, which may harbor inoculum from many fungal pathogens prior to inoculum reduction. Follow inoculum reduction with an application of copper at bud break “silver tip” to early green tip. This application will help reduce overwintering apple scab and fire blight inoculum and protect against early-season apple scab infections. From green tip to bloom, a program of protectant fungicides centering around Captan and mancozeb should be implemented to protect the developing fruit clusters. If there are prolonged wetting periods in the early season, an application that includes mancozeb along with either Aprovia, Miravis, Sercadis, Syllit, Luna Tranquility, or Inspire Super may be helpful. As we proceed toward bloom, additional applications of products with single-site fungicides (e.g. Luna Sensation, Merivon) may be needed to manage powdery mildew and other fungal diseases that may begin as latent infections during bloom. Keep track of apple scab ascospore discharge and infection events predicted from local weather on the disease forecasting service of your choice.

COVID-19 Vaccinations for You and Your Farmworkers

Mark Wiltberger

On March 11, the Cornell Farmworkers Program and Finger Lakes Community Health co-sponsored two webinars that discussed the importance of getting the COVID-19 vaccine and its possible side effects. Recordings of those webinars are available at the links below, one in English and one in Spanish. These webinars are excellent videos for workers to get answers to vaccine concerns directly from a trusted source of medical information.

COVID-19 vaccines for farmworkers: Should I get it and what are the side effects?

<https://cals.cornell.edu/covid-19-vaccines-farmworkers-should-i-get-it-and-what-are-side-effects>

Las vacunas para el COVID-19: ¿Debería obtenerla y cuáles son sus efectos?

<https://cals.cornell.edu/las-vacunas-para-el-covid-19-deberia-obtenerla-y-cuales-son-sus-efectos>

Primary Takeaway: As of this writing (March 23, 2021), New York State has not listed agricultural workers as an eligible occupation to receive the COVID-19 vaccine. **However**, Finger Lakes Community Health (FLCH) is now providing the Moderna COVID-19 vaccine to all individuals who qualify based on NYS Department of Health (DOH) criteria. So, you or any workers who fill eligibility requirements of occupation, age, or co-morbidities may receive the vaccine from Finger Lakes Community Health. The NYS DOH criteria are

here:

<https://covid19vaccine.health.ny.gov/phased-distribution-vaccine>. (State eligibility seems to be expanding quickly now: as of this morning, March 23, individuals aged 50 and older are eligible. Vaccine supply is also increasing rapidly.)

Primary limitations on Finger Lakes Community Health are the supply of vaccine, which varies week-to-week. Individuals must register for an appointment. Register for an appointment here:

<https://www.localcommunityhealth.com/>.

In addition, Finger Lakes Community Health is capable of providing on-farm vaccinations, for groups of individuals who are eligible.

Interested farms should contact Finger Lakes Community Health at **1-800-724-0862**.

Arrangements must be made ahead of time, so that proper amounts of vaccine are planned. Their mobile medical team will reach out to you to register the individuals on your farm. When the state lists “agricultural employee” as an eligible occupation, Finger Lakes Community Health is prepared to provide on-farm vaccinations for all employees. Contact them at the number above to make arrangements. Finger Lakes Community Health is located in the Finger Lakes region, but serves a wide geographic area, so contact them to find out if they can do on-farm vaccinations at your location. Vaccinations are free and do not require proof of citizenship.

USDA Gathers Data About Farm Labor

HARRISBURG, PA – The U.S. Department of Agriculture’s National Agricultural Statistics Service (NASS) will conduct its biannual Agricultural Labor Survey starting the second half of April. The survey will collect information about hired labor from more than 4,000

farmers and ranchers across the 11-state Northeastern region.

“The beginning of the year is the time when agricultural producers plan out the rest of their growing seasons and it is a great time to assess on-farm labor needs,” said King Whetstone,

director of the NASS, Northeastern Regional Field Office. “The data that farm operators provide through NASS’s Agricultural Labor Survey allow federal policymakers to base farm labor policies on accurate information,” added Whetstone.

USDA and the U.S. Department of Labor use statistics gathered in the Agricultural Labor Survey to establish minimum wage rates for agricultural workers, administer farm labor recruitment and placement service programs, and assist legislators in determining labor policies.

In the survey, NASS asks participants to answer a variety of questions about hired farm labor on their operations, including total number of hired farm workers, the total hours worked, and total base and gross wages paid for the weeks of January 10-16 and April 11-17. Survey

participants can respond online at agcounts@usda.gov or by mail.

“By asking about two separate time periods each time we collect data during the year, we are able to publish quarterly data and capture seasonal variation,” said Whetstone. “This approach reduces the number of times we survey farm businesses while ensuring that accurate and timely data are available.”

NASS will compile, analyze, and publish survey results in the May 26 *Farm Labor* report. All previous *Farm Labor* publications are available online at <https://usda.library.cornell.edu/concern/publications/x920fw89s>. For more information on NASS surveys and reports, call the NASS Northeastern Regional Field Office at (800) 498-1518.

Finger Lakes Beverage Conference (Virtual)

After a one-year hiatus due to COVID-19, the 2021 Finger Lakes Beverage Conference is returning stronger than ever with nationally recognized speakers lined up for a Virtual Conference on the afternoons of April 14th and 15th, 2021. Registration is now open for the conference hosted by Cornell Cooperative Extension of Seneca County to support the vibrant beverage industry of the Finger Lakes, New York State, and beyond.

This year **breweries, cideries, distilleries, and meaderies, wineries and craft beverage producers will benefit from experts focusing on the latest innovations and trends in the industry including the visitor experience, working with social media, and moving forward post-pandemic.** Whether you are an established enterprise, are thinking about starting up, or just want to learn more about this industry, this conference will have something for everyone. A registration link is available for the conference at www.flxcraftbevcon.com.

Keynote Speaker for the 2021 conference is **Jeff Alworth**, an internationally recognized writer living in Portland, Oregon. His books include *The Widmer Way*, *The Beer Bible*, *The Secrets of Master Brewers*, and *Cider Made Simple* and have twice been cited by the North American Guild of Beer Writers as Best Book. In 2016, *The Beer Bible* was named best wine, spirits, or beer book by the International Association of Culinary Professionals (IACP). He also co-hosts the [Beervana Podcast](#), where he and Oregon State University economics professor Patrick Emerson discuss beer and the economics of beer.

During the conference participants will hear from a wide variety of experts providing current information on the state of the craft beverage industry as well as updates from the NYS Liquor Authority, Empire State Development and NYS Beverage Leaders. Learn how to maximize social media presence with Content on Draft. A print media

panel moderated by Leah Stacey, will include features wine writer Maiah Johnson Dunn, Will Cleveland from *The Rochester Democrat and Chronicle*, and Don Cazantre from the *Syracuse Post Standard*. The complete conference schedule can be found at www.flxcraftbevcon.com.

Waterloo Container, a local business that has expanded with the Finger Lakes beverage industry to become a supplier of bottles, corks, capsules, wax and boxes for the entire East Coast, is once again the major conference sponsor. Also, Three Brothers Wineries & Estates, War Horse Brewing Company are sponsoring special Beer and Cider Tastings following the conference each evening at 5:30 PM for those with a paid registration by Monday, April 5th. Wednesday, April 14th will be a guided tasting of four beers with Pete Achilles, Head Brewer and April 15th will be a

guided cider tasting of 4 ciders with Justin Paolicelli, Partner/ Production Manager.

A limited number of paid sponsorships are available to related craft beverage advertisers. More information and registration links are available at www.flxcraftbevcon.com. If you have questions, call 315-539-9251 or email Judy Wright, jlw24@cornell.edu.

The Finger Lakes Craft Beverage Conference, organized by Cornell Cooperative Extension of Seneca County, began in 2013 as a brewery and cidery startup workshop. In 2020, the name was changed to reflect the maturing beverage industry to include all the beverages: beer, cider, wine, mead, and distilled spirits, produced in the Finger Lakes. The Finger Lakes Beverage Conference provides participants an opportunity to seek and gather information they can use to improve their business.

Online Farm Financial Management Tuesdays: Farm Business Education in April 2021

Short, farm financial education programs online this spring!
Join us online on April 13, 20 & 27, 2021 from 12:30 to 1:30 PM.

April 13, 2021, Assessing Farm Capital Investment Decisions: 12:30 – 1:30 PM EDT
\$5.00 per person, which includes a link to the recorded webinar.

To register:

<https://caahp.cceext.net/civicrm/event/info?reset=1&id=122>

Farm business owners and managers regularly spend money on capital items - equipment, buildings, and land. How do you know whether these investments are good financial decisions? Join CCE ENYCH Ag Business Educator, Elizabeth Higgins, and CAAHP Ag Business Educator, Dayton Maxwell, to learn methods for evaluating capital investment decisions.

April 20, 2021, Farm Business Transfer Planning: 12:30 – 1:30 PM EDT
\$5.00 per person, which includes a link to the recorded webinar.

To register:

<https://caahp.cceext.net/civicrm/event/info?reset=1&id=123>

Transferring a farm business to the next generation or to another owner is one of the most challenging and important activities a business owner will ever undertake. Maintaining business viability while meeting the needs of the exiting and entering members is paramount. Join Gabriel Gurley of New York FarmNet, for a one-hour program focused on initiating, planning and directing farm business transfer for your business.

April 27, Insurance and Liability Protection:
12:30 – 1:30 PM EDT
\$5.00 per person, which includes a link to the recorded webinar.

To register:

<https://caahp.cceext.net/civicrm/event/info?reset=1&id=124>

These days, the amount of money farm businesses spend on various types of insurance is staggering. At the end of the day, are these insurances and levels of insurance really necessary? Join CCE Central New York Dairy, Livestock & Field Crops Ag Business Educator, Nicole Tommell for a one-hour overview of

insurance and liability protection with the goal of maximizing insurance effectiveness while balancing insurance costs.

This series is supported by agriculture business management specialists from these Cornell Cooperative Extension and Cornell University programs:

Capital Area Agriculture & Horticulture Program

Central New York Dairy

Livestock & Field Crops Team

Eastern NY Commercial Horticulture Program
NY FarmNet

Positioning the Agri-tourism Industry for Success Amidst for COVID-19

Tuesday, April 6th

6:30-8 PM

Zoom

Join Agricultural Economic Development Specialists Myron Thurston III and Laura Biasillo for an evening discussion regarding safety precautions that agritourism locations in New York State can implement in 2021 to keep their employees and customers safe while at the same time reducing liabilities for their business.

We will start by reviewing all the regulations that are currently in place that businesses need to follow in 2021, and then discuss real world examples of how those regulations can be followed while at the same time keeping your business running smoothly.

There is evidence to suggest that there will be interest by consumers to travel and get out with

their family but that many families will not want to stray too far from home this summer as they find activities to participate in. This should create a perfect situation for agritourism to do well since it is much easier to keep social distancing measures in place while creating fun and inexpensive opportunities for families to get out of the house and do something together. It is very important to keep those customers safe and happy while they visit your farm or other agritourism site.

[Click here](#) to register for this FREE Zoom webinar. You will receive the link once you register for this training.

NYCA's Social Justice Online Series

Megan Larmer, Glynwood

Below is an opportunity to advance your cider business and build the skills of your team. The [New York Cider Association](#) is partnering with Glynwood and Angry Orchard to host a series of trainings developed by craft beverage expert [Dr. J Jackson-Beckham](#) that will tackle the nuts and bolts of

making New York cider a more just, equitable, and successful industry. This initial series of three trainings begins the first week of April. [Register here](#)

Why should you sign up for this course? Cider in New York's industry and community are being

created from the roots up. If we can do the work now to make sure that cider really is for everyone - every drinker, every employee, every grower - then our opportunity for growth and fulfillment in this work is massive. It will increase our success as businesses and enrich our lives as people. It's work we can only do together.

It's also a bargain. It's only \$25 to register for all three Core Seminars that include a recorded lesson and a live discussion session. Once you register,

you'll also get a discount code to share with your staff so that your whole team can benefit from this professional development opportunity.

The link to register is here: <http://bit.ly/NYCASJS21>

As a member of NYCA's Social Justice Committee, we're going to be working to support all NYCA members in making sure their businesses and ciders are available and appealing to everyone and anyone.

Guide to Restaurant Revitalization Fund

As a result of Senator Schumer's efforts, the American Rescue Plan Act (ARP) was signed into law in March 2021. ARP included \$28.6 billion for a restaurant revitalization fund at the SBA to provide direct grant support for restaurants bars, caterers, brewpubs, taprooms, and tasting rooms and other eligible entities hit hardest by the pandemic. Grants may be used in tandem with the SBA's Paycheck Protection Program (PPP), Economic Injury Disaster Loan (EIDL) Program, and the Employee Retention Tax Credit (ERTC) to help vulnerable businesses survive the remainder of this crisis and get on a path to recovery as we emerge from the pandemic. This newly created restaurant revitalization fund at the U.S. Small Business Administration (SBA) is based on the bipartisan RESTAURANTS Act.

Included in this guide are details on the restaurant revitalization fund. Senator Schumer is working closely with the SBA to launch this program as soon as possible so that eligible entities can submit an application for relief.

PLEASE NOTE: The SBA will be releasing further guidance in the days and weeks ahead, so this information is subject to change. This guide will be updated as new information becomes available.

Please do not hesitate to contact Senator Schumer's office if you encounter any challenges with these programs or otherwise. Contact information for each of Senator Schumer's offices can be found here:

<https://www.schumer.senate.gov/contact/office-locations>

Cleaning and Sanitizing on Produce Farms and in Packing Facilities Virtual Workshop

Wednesday, March 31st, 8:30 AM – 12:00 PM.

We are hosting a workshop on *Cleaning and Sanitizing on Produce Farms and in Packing Facilities*. This remote 3.5 hour webinar will provide:

- A brief review of microbial risks in produce farms and packing facilities
- Conducting a Sanitation Operational Assessment
- Presentations focused on the: ○ Basics of wet and dry cleaning and sanitizing ○ Value and importance of sanitation SOPs
- A hands-on exercise writing a sanitation SOP

Cost: The course is subsidized by several state and federal grants* and is being offered at a reduced cost of \$25 per participant. We will provide several resources related to the topics reviewed during the workshop. **Location:** The workshop will take place via Zoom. **Registration:** Registration is limited to 15 participants. The deadline to register for the course is two days in advance. After registering we will share the link to join the Zoom webinar and how to access workshop resources. [Please register for the course here.](#) **Questions? Please contact:** Craig Kahlke at 585-735-5448 or cjk37@cornell.edu

Mark Your Calendars

Meeting Title	Airblast 2021: Optimizing Canopy Sprayers
Dates	March 29 & 30
Time	2:00 – 5:30 PM
Location	Virtual
Cost	\$50
Brief Description of Meeting	Full details here.
Registration/Contact	Register here . anprogramsupport@ucanr.edu , 530-750-1361
Meeting Title	Remote Produce Safety Alliance Grower Training Course
Dates	April 5 & 6
Time	12:30 – 5:00 PM, both days
Location	Zoom
Brief Description of Meeting	See article in Issue 3 Fruit Notes.
Cost	\$35/farm.
Registration/Contact	Registration is required by March 28 th to ensure that mailing of manuals can occur in a timely fashion and that farms will receive them prior to the start of the training on April 5 th . If you are uncertain whether the course is for you, please contact Craig Kahlke at 585-735-5448 or cjk37@cornell.edu . Registration questions? Contact Laura Biasillo at lw257@cornell.edu or (607) 584-5007. Spots are limited in this training to maximize the grower experience. Click here to register
Meeting Title	NYCA's Social Justice Series
Dates	April 5, 12, 19
Time	4:30-5:30 PM
Location	Zoom
Brief Description of Meeting	These three sessions, led by Dr J Jackson-Beckham from Crafted for All, will provide actionable guidance for cideries on social justice issues. These sessions are designed specifically for the NY cider industry in order to help your business to improve bottom lines by incorporating diversity, equity, and justice into standard operating practices from supply chain, to hiring, to marketing. See article this newsletter.
Cost	\$25 for all 3
Registration/Contact	Megan Larmer <i>she / her</i> Senior Director of Regional Food Programs Glynwood mlarmer@glynwood.org Office: 845-265-3338 x112 Mobile: 773-398-7894

Meeting Title	Positioning the Agri-tourism Industry for Success Amidst for COVID-19
Dates	April 6
Time	6:30-8 PM
Location	Zoom
Cost	Free
Brief Description of Meeting	Join Agricultural Economic Development Specialists Myron Thurston III and Laura Biasillo for an evening discussion regarding safety precautions that agritourism locations in New York State can implement in 2021 to keep their employees and customers safe while at the same time reducing liabilities for their business. See article this newsletter.
Registration/Contact	Click here to register. Laura Biasillo, CCE-Broome, lw257@cornell.edu , (607) 584-5007
Meeting Title	Online Farm Financial Management Tuesdays: Farm Business Education in April 2021
Dates	April 13, 20, 27
Time	12:30-1:30 PM
Location	Zoom
Brief Description of Meeting	See article this newsletter.
Cost	\$5 per event per person.
Registration/Contact	Click here to register. Laura Biasillo, CCE-Broome, lw257@cornell.edu , (607) 584-5007
Meeting Title	Finger Lakes Beverage Conference
Dates	April 14 & 15, 12:30-6 PM.
Time	See info online at: www.flxcraftbevcon.com
Location	Zoom
Brief Description of Meeting	This year breweries, cideries, distilleries, and meaderies, wineries and craft beverage producers will benefit from experts focusing on the latest innovations and trends in the industry including the visitor experience, working with social media, and moving forward post-pandemic. Whether you are an established enterprise, are thinking about starting up, or just want to learn more about this industry, this conference will have something for everyone. See article in this newsletter.
Cost	\$75, including tasting
Registration/Contact	www.flxcraftbevcon.com Judy Wright, 315-539-9251 or jlw24@cornell.edu

Cornell Cooperative Extension
Lake Ontario Fruit Program
12690 Rt. 31
Albion, NY 14411

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Facilities Virtual Workshop

Mark Your Calendars

Contact Us

Fruit Notes

YOUR TRUSTED SOURCE FOR RESEARCH-BASED KNOWLEDGE

Fruit Specialists



Craig Kahlke | 585-735-5448 | cjk37@cornell.edu
Team Leader, Fruit Quality Management

Areas of Interest: Fruit Quality and factors that affect fruit quality before, during, and after storage,
Crops: Blueberries, Raspberries / Blackberries, Strawberries, Apples, Apricots, Cherries, Nectarines, Peaches, Pears, Plums



Mario Miranda Sazo | 315-719-1318 | mrm67@cornell.edu
Cultural Practices

Crops: Blueberries, Raspberries / Blackberries, Strawberries, Apples, Apricots, Asian Pears, Cherries, Currants,
Gooseberries, Nectarines, Peaches, Pears, Plums



Janet van Zoeren | 585-797-8368 | jev67@cornell.edu
Integrated Pest Management (IPM)

Areas of Interest: IPM of tree fruit and berry pests, biological control, and pollinators.
Crops: Blueberries, Raspberries / Blackberries, Strawberries, Apples, Apricots, Asian Pears, Cherries, Currants,
Nectarines, Peaches, Pears, Plum



Mark Wiltberger | 315-272-8530 | mw883@cornell.edu
Business Management

Crops: Apples, Cherries, Nectarines, Peaches, Pears, Plums

For more information about our program visit us at lof.cce.cornell.edu