



A partnership between Cornell University and the CCE Associations in these five counties: Monroe, Niagara, Orleans, Oswego & Wayne

Fruit Notes

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Cornell Cooperative Extension
Lake Ontario Fruit Program

Volume 22 Issue 11 June 30, 2022

Join Us on August 9th for LOF's Summer Tour in Orleans County!

The Lake Ontario Fruit Team of Cornell Cooperative Extension is pleased to announce that our full agenda is set for our annual summer tour, featuring innovative farms in Orleans County on Tuesday, August 9th. The use of technology in precision crop load management will be highly featured on several stops. In addition, pest/disease management and horticulture will also be covered. There will also be a berry stop (blueberries). The tour begins with registration and programming at the first stop at 8 AM and finishes at the final stop at approximately 4:45 PM. An ice cream social is being planned immediately following at the last stop. 1.75 NYSDEC credits will be offered in categories 1A, 10, and 22.



Cornell LOF Summer Fruit Tour Agenda

Stop 1: Kast Fruit Farm, Zig Zag Rd, just west of Lattin Road, Albion NY 14411 (full address to follow). Stop leader: Janet van Zoeren.

8am DEC credit sign-in and Registration

8:30am Welcome and Housekeeping, Craig Kahlke

8:33am Introduction to their Farm Business, Brett Kast. Janet will introduce Brett and he'll explain the history of this large farm.

8:38am *"2 years of Data on Pre-emergent Herbicide Application Timing"*, Janet van Zoeren. Janet will present her and Mike Basedow's findings on 2 years of research, and attendees will be able to see the plots in their third year of study.

8:53am *"Mating Disruption: it's a good time to re-consider how it fits on your farm"*, Dr. Monique Rivera, Cornell University. Meet Dr. Monique Rivera, new tree fruit Entomologist at Cornell AgriTech. Monique was hired after Dr. Art Agnello's retirement. Monique will present and lead a conversation on mating disruption and why it is worthwhile to experiment with and eventually implement.

9:13am *"Orchard Soil Health - From Testing to Opportunities"*, Dr. Deborah Aller, Cornell University. Dr. Aller is a long-time Extension Associate formerly with CCE-Suffolk who has recently joined Cornell's Soil Health Program on campus. Debbie will cover how healthy soil is the foundation of productive resilient farms that require fewer inputs such as nutrients and pesticides. This presentation will show growers how to collect soil health samples in an orchard, share preliminary results of a statewide orchard sampling effort, and what management strategies they might implement to improve the health of the soil.

9:38am *"Fire Blight in the 2022 season"*, Dr. Kerik Cox, Cornell University. Kerik will cover the development of Fire Blight in the 2022 season. The presentation will include possible causes of epidemics and management options for the present and following seasons.

9:53am *"2 Rootstocks comparison for NY1"* by Dr. Terence Robinson, Cornell University. Attendees will have an opportunity to see a side-by-side comparison of NY-1 trees on M.9 Nic29 (planted in 2018) versus NY-1 trees on G.41 (planted in 2019). Participants will walk to a second comparison of NY-1 trees grown on M.26 versus G.935 rootstocks (both planted in 2016). All NY-1/rootstock combinations were established at 3x12ft.

10:15-10:25 AM – Travel to Stop 2.

Stop 2: Fish Creek Orchards, ~1762 Oak Orchard Road, Albion NY 14411. Stop leader: Mario Miranda Sazo.

10:30am Intro to Fish Creek Orchard business model, by co-owners Jason Woodworth and Jose Iniguez.

10:35am *"SCRI Project Overview"*, by Dr. Terence Robinson, Cornell University. Terence will give a brief background on his 4 year SCRI Grant, *"Precision Orchard Management in Apple"*.

10:40am Precision Tree Fruit Technology, part 1. Chris Layer of Moog, Inc. will outline his group's work on precision crop load management in apples. The Moog rover will either be on display here or at the lunch stop.

10:50am Precision Tree Fruit Technology, part 2. Jenny Lemieux of Vivid Machines, Inc. will outline her group's work on precision crop load management in apples in grower trials, including their work with Fish Creek.

11:00am Precision Tree Fruit Technology, part 3. Matt Koball and Alex Young (both from Dropcopter and representatives of Green Atlas cartographer in the Northeast) will outline their work on precision crop load management in apples in grower trials conducted recently in NY.

11:10am *"SCRI Engineering Work Overview and the Future of DA Technology Adoption in NYS"*, by Dr. Yu Jiang, Cornell University. Yu will update us on the progress that's been made in partnering with other companies on the engineering objectives in the project. In addition, Yu will announce the digital agriculture trials for adoption (DATA) initiative at Cornell and in close collaboration with the CCE system. The new initiative plans to implement a product trial program to comprehensively evaluate key DA tools on the market for various critical issues in NYS agriculture and provide fair, objective product review reports to NYS stakeholders for adoption.

11:30am *"Computer Vision for Rapid and Accurate Disease Scouting and Management in Apple Orchards"*, by Dr. Awais Khan, Cornell University. Results will be discussed from a project funded by Cornell Initiative for Digital Agriculture (CIDA), to "train" computer vision models for the detection and identification of foliar diseases of apple. The long-term goal of this research is to develop a computer vision-based system for automatic identification of the most common diseases in apple orchards.

11:55am-12:00pm: Travel to Stop 3.

Stop 3: Carlton Fire Co. Recreation Hall, 1853 Oak Orchard Road, Albion NY 14411. Stop leader: Craig Kahlke.

12:00-1:30 pm

Enjoy networking and lunch, provided by Frank Penna Catering. Receive DEC credits. Hear sponsors introduce themselves and mention new products and services, and direct folks to their display tables. Growers and other tree fruit industry folks will have the opportunity to visit with sponsors and likely view several demonstrations of new precision crop load management technology, along with other equipment and products.

1:30=1:35pm – Drive to Stop 4.

Stop 4: Orchard Dale Fruit Co. , ~1323 Oak Orchard River Road, Waterport NY 14571. Stop leader: Craig Kahlke.

1:40pm Intro to Orchard Dale Fruit Co., by Eric Brown & Robert Brown III.

1:45pm *"Intro to SCRI Pruning Severity Experiments"*, by Dr. Terence Robinson, Cornell University. Terence will explain the objectives behind these trials that are being repeated in many states. Craig will discuss the work performed in this block.

2:00pm Precision Tree Fruit Technology, part 4. Scott Erickson of Farm Vision will outline his group's work on precision crop load management in apples, including several trials with other growers in Western NY. Anna Wallis from MSU Extension will also share her work and MI growers work with Farm Vision as well. Craig will share the results of the fruit scans and ground truthing measurements.

2:10pm Precision Tree Fruit Technology, part 5. Matt King of Fruit Scout will outline his group's work on precision crop load management in apples in grower trials in the US. Craig will show their trunk measurement and fruitlet sizing work with Fruit Scout, including ground truthing measurements.

2:20-2:25pm Drive to blueberries.

2:40pm *"Optimizing blueberry plantings for mechanical harvest"*, by Anya Osatuke, Harvest NY. Using mechanical harvesters provides important labor savings in blueberry production, but requires plantings to be initiated and maintained with harvester use in mind. Anya will go over soil preparation, site layout, variety selection, weed control, and post-harvest processing, all in light of a planting aimed for mechanical harvest.

3:00pm Spanish Leadership Training – Mildred Alvarado, Cornell Small Farms Program. Mildred will update participants about the current educational activities of CSFP and new training opportunities developed in partnership with CCE LOF and NYSIPM. A new call to register for the coming 'Futuro Financiero' class will be announced at the end of the stop.

3:25-3:30pm Drive to Stop 5.

Stop 5: Nesbitt Fruit Farm., Lakeshore Road, Waterport NY 14571 (full address to follow). Stop leader: Mario Miranda Sazo.

3:40pm Nesbitt Fruit Farms Intro and Business plan, Shane Nesbitt.

3:45pm On-farm nursery production with the 'grow-through' tree strategy, Terence, Mario, and Shane. At this stop tour participants will be introduced to the 'Grow-through' apple tree production method on a two- or three-year cycle. Scion/rootstock combinations of Honeycrisp/G.969, Honeycrisp/B.10, and Fuji/B.10 were all budded on August 2020 and will be in display with trellised rows. There will be a discussion of bench grafted trees produced in 2021 of Gala/G.210, Gala/G.214, and Honeycrisp/G.969 at the end of the stop.

4:10pm Drive to Honeycrisp block.

4:25pm The use of the Pollen Tube Growth Model for bloom thinning in Honeycrisp- Shane, Terence, Mario.

4:40pm **Educational program adjourns.**

4:45 pm **All are welcome to join immediately following for an Ice Cream Social under cover!** This is a 2 minute walk from the Honeycrisp block.

2022 'Honeycrisp' Fruit Collection for Peel Sap Starts in Early July

Mario Miranda Sazo, Craig Kahlke,
Mike Basedow, Elizabeth Tee, Lailiang Cheng, and Terence Robinson

In early July we will begin a cooperative effort between Cornell extension, growers, consultants, and storage operators to collect Honeycrisp fruitlets statewide to analyze them for mineral nutrient concentrations. This is part of a statewide extension effort funded by ARDP to evaluate Honeycrisp orchards throughout the state for determination of fruit storage potential and the risk of bitter pit in storage.

For the last several years we have evaluated peel SAP analysis to predict bitter pit early in the growing season to allow better decisions on mitigation efforts during the rest of the season and storage potential. **Peel SAP analysis is being offered statewide for a 2nd year**, with the support from NY Apple Research and Development Program. In 2021 we evaluated over 250 blocks across New York State and continue offering this opportunity to growers this year.

We would like to encourage all Honeycrisp growers to start thinking about which Honeycrisp blocks (or ideally all blocks at your farm) you would like to collect fruit for peel SAP analysis this July. We are specially inviting all packinghouses and their Honeycrisp fruit growers to submit peel samples to CCE this season.

If you participate, you will first need to sign up and pay for all samples using the registration on this page <https://lof.cce.cornell.edu/event.php?id=1673>, and then follow the link provided in your registration confirmation email to complete the Qualtrics form with the necessary details for each sample. Then, at the announced date in July by your local CCE specialist, collect a 30-fruit sample from each of your Honeycrisp blocks, weigh the sample to get the average fruit weight in grams (see note below), peel the fruits, freeze the peel sample, and then contact your local fruit extension specialist for submitting the sample. We will then analyze the peel sap for nutrient concentrations and send you a report on

nutrient ratios and recommendations for mitigation actions and storage recommendations by late July. We believe that this new and early predictive tool will allow for more effective management of Honeycrisp fruit nutrition to reduce bitter pit incidence.

There will be a nominal fee of \$5 for each sample submitted, but most of the analysis cost will be covered by the ARDP grant we were awarded.

Sample collection can be reviewed here:

<https://youtu.be/hYCqEOFWANI>

To facilitate the collection of samples we ask that you now complete the **Register for the number of blocks you will be testing and complete the Qualtrics Form linked in your registration confirmation email**. After the samples are collected the frozen sample(s) will be transported for peel SAP analysis at Cornell Nutrient Analysis Lab in Ithaca.

We hope all Honeycrisp growers in cooperation with their packing and marketing company, will submit a sample from **each** Honeycrisp block in NY for peel SAP analysis via CCE this season!

Note: It is especially important that growers **weigh their 30-fruit sample BEFORE** peeling the fruits this year & include this information on the peel sample bag. This data will be used to correct and standardize the nutrient ratios by factoring in the effect of fruit size at sampling in July. We encourage all growers to use their digital kitchen balances (if working properly) or buy a cheap balance on Amazon at \$9.99. Please check the following website:

[https://www.amazon.com/GDEALER-Digital-Kitchen-0-001oz-](https://www.amazon.com/GDEALER-Digital-Kitchen-0-001oz-Stainless/dp/B08YW3NCJT/?encoding=UTF8&smid=A2QMH4UKDFN4Y&pf_rd_p=5d280014-ec5b-42f3-a3b6-117903cdd60e&pd_rd_wg=y45KJ&pf_rd_r=WWRPVEQWHE4F70SE2ASE&pd_rd_w=UIEK1&pd_rd_r=02da2642-9199-46bb-87d1-2c7db1ba9267&ref=pf_rd_gw_deals&th=1)

[Stainless/dp/B08YW3NCJT/? encoding=UTF8&smid=A2QMH4UKDFN4Y&pf_rd_p=5d280014-ec5b-42f3-a3b6-](https://www.amazon.com/GDEALER-Digital-Kitchen-0-001oz-Stainless/dp/B08YW3NCJT/?encoding=UTF8&smid=A2QMH4UKDFN4Y&pf_rd_p=5d280014-ec5b-42f3-a3b6-117903cdd60e&pd_rd_wg=y45KJ&pf_rd_r=WWRPVEQWHE4F70SE2ASE&pd_rd_w=UIEK1&pd_rd_r=02da2642-9199-46bb-87d1-2c7db1ba9267&ref=pf_rd_gw_deals&th=1)

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Hard Cider Summer Tour 2022



AGENDA

10:00 AM: Stop one: Star Cidery (Canandaigua Location)
3365 East Lake Road, Canandaigua, New York 14424

Visit with cidemaker and co-owner, Cortni Stahl to learn about their cidemaking process. From juice to packaged cider she will walk you through their apple selection and downstream processes as you tour their production and tasting room facilities.

Travel time: 30 minutes

11:30 PM: Stop two: USDA Germplasm Collection
630 West North Street, Geneva, NY 14456

Ben Gutierrez (USDA-ARS) describes the mission of the USDA's apple germplasm collection. Greg Peck shares an update on his lab's work to assess accessions within the germplasm collection for their potential use for the cider industry.

**12:30 PM: LUNCH at Jordan Hall and Tours of
Cornell Agritech Craft Beverage Lab**
630 W North St, Geneva, NY 14456

Following lunch at the Jordan Hall pavilion, Chris Gerling, Cortni Stahl and the Cornell Craft Beverage Institute will walk participants through the Craft Beverage Analysis Lab, the Vinification & Brewing Lab and the Fruit & Vegetable Processing Pilot Plant.

Travel time: 10 minutes

2:15pm PM: Stop three: Red Jacket Orchards
957 Canandaigua Road, Geneva, NY 14456

Visit with Brian Nicholson who will give a tour of the juice facility and discuss their production processes and then Matt Murphy will give a tour of the nursery and orchards.

Travel time: 10 minutes

**4:00pm Final Stop: Cider Pub Crawl with
Lake Drum Brewing and Star Cidery**
Lake Drum Brewing 16 E Castle Street, Geneva, NY 14456
Star Cider Tasting Room 495 Exchange Street, Geneva, NY 14456

[CLICK HERE TO REGISTER](#)

Participants will use their personal vehicles to get from location to location and can join us for whichever stops they are interested in seeing.
Suggested registration fee to offset administrative costs: \$5 per person. We greatly appreciate your contribution to this event.

If you have any questions, please contact
Greg Peck at gmp32@cornell.edu or Scott Ramsey at scott@scottramsey.net

Friday, July 22, 2022 10:00am EST

*Designed for commercial apple and
cider producers, all are welcome.*

- Lunch will be included at Jordan Hall.
(Catered by Lake Drum Brewing. Bring your own cider to share as you wish. Cups will be provided.)
- Complimentary educational cider tasting will take place at Lake Drum and Star Cider Tasting Room.
- Register by July 15 to be guaranteed lunch and cider tasting.

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Cornell Cooperative Extension

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.

USDA Announces Assistance for On-Farm Food Safety Expenses for Specialty Crop Growers

USDA Farm Service Agency opened a new program this week called the Food Safety Certification for Specialty Crops (FSCSC) Program. It will provide up to \$200 million in assistance for specialty crop producers who incur eligible on-farm food safety program expenses to obtain or renew a food safety certification in calendar years 2022 or 2023. We are asking you to help us spread the word on this new program.

Here is a link to the factsheet:

<https://www.fsa.usda.gov/Assets/USDA-FSA-Public/usdfiles/FactSheets/2022/fsa-fscsc-fact-sheet-2022.pdf>

Full grant information here:

https://www.fsa.usda.gov/state-offices/California/news-releases/2022/usda-announces-assistance-for-on-farm-food-safety-expenses-for-specialty-crop-growers-06212022_re1001#:~:text=Agriculture%20Secretary%20Tom%20Vilsack%20announced%20that%20the%20U.S.,safety%20certification%20in%20calendar%20years%202022%20or%202023

Questions? Contact Craig Kahlke at 585-735-5448 or cjk37@cornell.edu

NASGA Summer Tour

August 16 & 17, 2022

This year's tour will feature 8 very different farms all with great stories to tell and fantastic operations to see and learn from. Most of the featured farms have been active NASGA members and are very progressive innovative growers. There is so much to see in a short time we will be challenged to stay on schedule. We hope you will join us in Ontario for this memorable tour.

For more information and to register: <https://nasga.org/n-american-strawberry-growers-summer-tour.htm>

Highlights of our tour stops:

Herrle Country Farm Market

An Excellent June Strawberry grower with a fabulous Farm Market selling their own produce as well as produce from neighboring growers.

Heeman's Strawberries and Greenhouse

With 70+ acres of berries, state-of-the-art greenhouses, and a new Cidery in the works there is no shortage of things to see at this bustling farm.

Howe Family Farm Market

Growers of strawberries, watermelons, cantaloupe, squash, pumpkins, beans and garden vegetables, etc. grown for their own market and for wholesale. In recent years Howe's established a tunnel for tabletop substrate strawberry production and in 2021 added a new 6 acre block.

Strawberry Tyme Farms Inc

Strawberry Tyme Farms have added tunnel grown tabletop strawberries and long cane raspberries to



their outdoor cropping of June and day neutral strawberry production. They also grow strawberry plants destined for southern growers each fall.

Blueberry Knoll Berry Farm

An excellent strawberry, raspberry and blueberry operation that focuses on soil health and it shows in the quality and health of their plantings. Their on-farm bakery turns the berries into some wonderful baked goods.

Fenwick Berry Farm

Innovation is very apparent at Fenwick Berry Farm crops includes June and day neutral strawberry production, long cane raspberries, tabletop strawberries, blueberries, tender fruit, garlic and more. Recently they added nursery production of long cane raspberries and plug and tray plants of strawberry.

Tigchelaar Berry Farm

Excellent day neutral strawberry growers with a large acreage of both day neutrals and June bearing strawberries. Tigchelaar's grow many of their plugs for fall planting and are delving into tabletop production.

Springridge Farm

The farm sits atop the Niagara escarpment and has breathtaking views making it a destination for customers. The market and bakery have a tremendous assortment of produce, baked goods, prepared foods and gifts.

Costa Rica Agritourism and Cultural Study Tour

December 3-11, 2022

Costa Rica Agritourism and Cultural Study Tour hosted by Laura McDermott, and organized by Explorations by Thor, a well-respected international travel company that specializes in agricultural tours will embark December 3 – 11, 2022. Don't miss this opportunity to travel, learn and relax with other farmers. It will be a blast!

This one-of-a-kind guided excursion is an educational and entertaining way to visit another country while networking with fellow berry production and Agri-tourism professionals. The tour allows attendees the convenience of a completed itinerary including hotels, most meals and in-country transportation. Guests will visit a wide variety of Costa Rican agriculture and while still having time for cultural highlights.

This excursion is designed specifically for members of the berry and Agri-tourism industry. It is an opportunity to meet fellow growers, share ideas, update your understanding of what's happening in our industry, and travel with trained professionals. You are encouraged to invite friends and family from around the country to join you on this trip. While the tour was designed with farmers in mind, anyone with an interest in agriculture is welcome.

Attendees will plan to arrive at the San Jose Airport on Saturday, December 3rd, and will stay at the San Jose Hilton. On the second day the group will visit a coffee plantation and a chocolate factory near San Jose, the capitol of Costa Rica and enjoy some down time in the city. The third day will require an early start to travel to Irazu Volcano. This volcano is the highest active volcano in the country. If the weather is clear, you will see the Caribbean Sea from the craters rim. While in the highlands we'll visit a berry farm that is growing blackberries, raspberries, strawberries, blueberries, and Aztec gooseberries or goldenberries. After enjoying lunch we'll visit a berry producers marketing Coop, and then continue to visit the Center for Tropical Agronomy Research & Education (CATIE). While there we will tour the botanical garden and enjoy a presentation about agritourism enhancement at CATIE. Ecological and agritourism are huge contributors to Costa Rica's economy. To culminate this jam-packed day, we'll end at the Hotel Suerre in Guapiles which is in the heart of the banana growing region of Costa Rica.

On the fourth day the group will visit Costa Rica's "green dam", the largest hydroelectric dam in Central America and the 2nd largest infrastructure project after the Panama Canal in Central America. Costa Rica

has nearly 100% of its electricity coming from renewable sources such as wind, solar, geothermal and hydroelectric. Meet with representatives and discuss how the dam is connected to the agriculture community. Following that dam we will visit a local farmer who has developed a side business of taking foreigners on farm tours. We will also stop at a papaya farm and meet with a former Dole agritourism director.

On day five, enjoy a pineapple tour in the morning and after lunch travel to and take a guided walk through La Paz Waterfall Gardens, one of the best eco-parks in Costa Rica. The group will travel to the Alajuela area and visit a strawberry farm dedicated to agritourism in Fraijanes and dine at a local's home that evening. We will stay at the Hotel Martino in Alajuela that night.

On the 6th day we'll depart for Guanacaste and the best beaches in Costa Rica! En route, we'll visit a large scale farm of palm oil, sugarcane, dragon fruit, rice and quarter horses and then enjoy a BBQ lunch before touring a commercial rice mill on the way to the Bosque del Mar hotel on the Pacific Ocean.

On day 7 the group will visit Hacienda El Viejo and take a guided wildlife tour boat ride in the wetlands. The free evening is followed by day 8 which is free time to relax by the beach or take in any optional activities in the area, which include catamaran snorkel and sail, sportfishing, zipline, etc. Or visit Flamingo beach via your guide and driver to do some shopping and enjoy lunch on the town. A farewell dinner in Hermosa Beach will round out the entire tour.

Participants need to arrange their own transportation into San Jose, Costa Rica Airport on December 3rd and out of Liberia, Costa Rica Airport on December 11th. Hotel rooms, most meals, transportation, bilingual Guide(s), tours/technical visits, gratuities for driver and guide are all included. **Estimated pricing is based on double occupancy, per person - \$2,450.**

Reservation/payment deadlines: August 1, 2022 - \$250 non-refundable deposit. October 15, 2022 - remaining balance. The single supplement is \$575. Minimum capacity of 20 people must be met; technical visits are subject to change, but replacements of equal value will be arranged.

Many countries throughout the world have removed the Covid vaccination mandates required for entry. Therefore, we are following these new policy changes and have decided to lift the vaccination

requirement for this tour until further notice. For those not fully vaccinated, (less than 3 shots total) you are still required to have a negative Covid test prior to international travel and must show a negative Covid test upon entry. At this time, Costa Rica does not require unvaccinated travelers to quarantine. The U.S. still requires a negative test upon re-entry. All travelers (vaccinated and non-vaccinated) are subject to quarantine if they get a positive Covid test before they attempt to re-enter the US.

Space is limited! Register soon to reserve your spot. An invoice for the deposit, due on August 1st, will be sent as soon as the trip meets the 20 traveler minimum.

For more information, please contact Laura McDermott, lgm4@cornell.edu. For specific tour information and help with air travel, contact Explorations by Thor, info@explorationsbythor.com, Phone: 859.459.0500.

REGISTER HERE:

<https://form.jotform.com/213615514749156>

IPM Strawberry Survey

North American Strawberry Growers Association | 72 Julia Drive ,Welland, ON L3C 0E7 Canada

Please help out by taking the time to fill out this short survey regarding IPM in strawberries. Click on the link below to complete the survey. Thanks for taking the time to help.

You can fill out the survey online here:

https://forms.zohopublic.com/cubedlaboratoriesllc/form/ScoutSurveyforwebsite/formperma/eT64Xtsz_wgvnrz_zY5vkv_9I9g2Iz_9itXXiDZO3B7o

USDA to Measure Quarterly Bee Colony Loss

Veronica Pereira, (717) 657-6324, veronica.pereira@usda.gov

HARRISBURG, PA -- The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) will be collecting information about colony loss in the honey industry throughout the United States. The next Quarterly Colony Loss survey will be conducted during June and July of 2022. This survey collects information about colony inventory and loss from more than 400 producers with honeybee colonies in the Northeastern Region of the United States.

"The information from these surveys directly impacts our region's beekeepers and honey producers," said King Whetstone, director of the NASS Northeastern Regional Field Office. "Beekeepers and producers can use the survey results when making business plans and marketing decisions. Cooperative Extensions use the data to provide needed outreach and education and State Departments and Agencies of Agriculture use the information to set insurance values," added Whetstone.

In this survey, NASS asks participants to answer a variety of questions about their colonies. To ensure all

survey participants have an opportunity to respond, NASS interviewers will contact producers who do not respond by mail or online to conduct telephone interviews.

NASS safeguards the privacy of all respondents and publishes only aggregate data, ensuring that no individual operation or producer can be identified.

Results of these quarterly surveys are published annually in the *Honeybee Colonies* report, which will be available on August 1, 2022. These and all NASS reports are available online at: <https://www.nass.usda.gov/Publications/>

For more information, call the NASS Northeastern Regional Field Office at (800) 498-1518.

NASS is the federal statistical agency responsible for producing official data about U.S. agriculture and is committed to providing timely, accurate and useful statistics in service to U.S. agriculture. USDA is an equal opportunity provider, employer, and lender

Mark Your Calendar

Meeting Title	2022 Virtual Orchard Meetup Summer Series Orchard Efficiency: Labor and Technology
Date	Final meetup – Technology with invited experts panel is July 14.
Time	7:00-8:30pm EST
Location	Meeting via Zoom Register Here or by following this link bit.ly/orchardmeetups
Cost	Free

Contact for Info/Registration	Mario Miranda Sazo (cell 315-719-1318; mrm67@cornell.edu)
Brief description of Meeting	Webinars will showcase growers and other specialists leading the development of these aspects of the industry. We will hear about their experiences managing the current challenges and participating in novel solutions.
Meeting Title	Hard Cider Summer Tour 2022
Date	Friday, July 22 nd
Time	10 AM – 5 PM
Location	Finger Lakes Region, 5 stops, including lunch (12:30 PM at AgriTech) and several educational cider tastings during the tour.
Cost	Suggested donation only \$5, thanks to our sponsors!
Contact for Info/Registration	Preregistration required: https://vegetableipm.securepayments.cardpointe.com/pay?total=5.00
Brief Description of Meeting	See article in this issue.
Meeting Title	2022 LOF Summer Tour
Date	Tuesday, August 9 th
Time	All day
Location	Orleans County
Cost	Free, thanks to our sponsors
Contact for Info/Registration	Preregistration required for lunch counts: https://lof.cce.cornell.edu/event_preregistration_new.php?id=1669
Brief Description of Meeting	See article in this issue.

Meeting Title	Annual Cornell Hemp Field Day
Date	Thursday, August 11
Time	8:00am-3:00pm
Location	Cornell's AgriTech Campus in Geneva, NY
Cost	Not known
Contact for Info/Registration	Dr. Daniela Vergara, Emerging Crops Specialist, CCE Harvest NY, Dv255@cornell.edu to discuss sponsorship opportunities and benefits.
Brief description of Meeting	The focus this year includes hemp genetics and breeding, pest management, and grain and fiber production, including demonstrations of combine harvesting and baling. This hands-on field day will have interactive workshops offering DEC credits on the use of pesticides and disease management. Digital ag applications and an introduction of the USDA hemp germplasm repository will also be included. We hope to see you there! Registration will open in July watch for details soon

Meeting Title	NASGA Summer Tour
Date	August 16 th -17 th
Time	All day
Location	South central Ontario, Canada
Cost	\$150-325
Contact for Info/Registration	https://www.nasga.org/n-american-strawberry-growers-summer-tour.htm
Brief Description of Meeting	See article in this newsletter for full agenda and tour stops.

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

Contents

Join Us on August 9th for LOF's Summer Tour in Orleans County!

Cornell LOF Summer Fruit Tour Agenda

2022 'Honeycrisp' Fruit Collection for Peel Sap Starts in Early July

Hard Cider Summer Tour 2022

USDA Announces Assistance for On-Farm Food Safety Expenses for Specialty Crop Growers

NASGA Summer Tour

Costa Rica Agritourism and Cultural Study Tour

IPM Strawberry Survey

USDA to Measure Quarterly Bee Colony Loss

Mark Your Calendar

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