



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

Fruit Notes

YOUR TRUSTED SOURCE FOR RESEARCH-BASED KNOWLEDGE

Cornell Cooperative Extension
Lake Ontario Fruit Program

Volume 22 Issue 16 Dec 22, 2022

Season's Greetings!

The entire Lake Ontario Team wishes you and your families a safe and joyful holiday season. We look forward to serving you into 2023 and beyond, and thank you for your continued support!



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.



Western NY Fruit Conference

February 27-28, 2023

A LIVE 1 ½ Day Conference in Rochester, NY



CCE-LOF are excited to bring you a multi-day fruit conference in WNY! This is replacing our Winter Fruit Schools, and our participation in the Empire Producer's Expo. We are in the process of putting together the program, and have garnered key input from our growers, businesses, and other personnel. The overarching theme is the "State of the Industry", in which topics targeted include a marketing, crop estimates, labor, and insurance requirements. We are also putting together a session targeting the processing industry. We're also excited to bring you the latest on our (and some growers) work with Precision Apple Crop Load Management (PACMAN) technologies. Pest management will also be featured. The conference will begin with lunch on Feb 27, followed by two afternoon sessions with a break in between. An optional cocktail hour and banquet dinner will be among the choices attendees have. Folks can choose to stay in the host hotel or nearby ones. The hotel and conference center (it's narrowed down to 2) will be away from downtown, so parking and optional dinner on your own choices will be less restrictive. There will be DEC credit-eligible sessions applied for, and all should be eligible for CCA credits. Day 2 will be a full day program that will include 4 educational sessions, along with breakfast, lunch, and 2 breaks.

Stay Tuned for more info, including sponsorship, and registration in January in our publications such as the email blasts and newsletters, along with on our events page here: <https://lof.cce.cornell.edu/events.php>

Conference general questions? Contact Craig Kahlke at 585-735-5448 or cjk37@cornell.edu

CCE Statewide Tree Fruit Conference

March 3, 2023

A VIRTUAL 1 Day Conference co-hosted by CCE-LOF & CCE-ENYCHP

Please join us via Zoom™ for a tree fruit conference that will cover issues that are statewide, that could benefit a wider audience. Topics tapped thus far include: Our ARDP-supported "Statewide Effort to Manage Crop Load, Nutrient Status and Biter Pit of Honeycrisp" will be summarized to date, with exciting progress on recommendations to best manage this troublesome variety, using several years of data.

A Few Lessons Learned After Attending the Biggest European Fruit Congress and Trade Show in Apples

Mario Miranda Sazo

Since the start 25 years ago, the every-two years Interpoma congress/trade show has grown into the most important event for the fruit sector – and more specifically the apple sector – in Europe. Visitors come to Bolzano (located in the Northern part of Italy) from all over the world to attend the 2-day congress and visit an enormous and very technological trade show (Figure 1). The congress is held in the English language and is simultaneously translated into German and Italian languages. In the periphery of the trade show there are smaller business meetings, such as mini-symposia or presentations of new products or

technologies sponsored by one or several companies. In addition to attending the congress like I did in November 17 and 18, I had also the opportunity to co-organize with Agromillora, Spain, and conduct a very intensive Cornell Geneva® rootstock workshop titled ‘Apple Geneva® rootstocks in Europe’ for more than one hundred European fruit growers and nurserymen.

Interpoma’s visitors were also able to take part in one of the more than ten study trips to cooperatives, nurseries, and fruit farms in South Tyrol.



Figure 1. Interpoma organizers (see banner pictured in the left) during Day 2 decided to feature Ag-technologies, machines, and systems that can revolutionize robotic apple picking in the next 5 years or so. The right picture shows an innovative mechanical weed machine (manufactured by young South Tyrolean entrepreneur Sebastian Stocker) for organic and conventional apple production systems.

Attendance/diversity, new Interpoma’s leadership, and educational agenda: This year Interpoma’s organizers had approximately 490 exhibitors and received more than 20,000 visitors from 70 countries. The event was covered by approximately 100 journalists from all over the world. The congress had a new coordinator: Walter Guerra, head of the Pomology Working Group at the Laimburg Research Center since 2005 and the center’s deputy director since 2021. The first day of the Congress was chaired by Gerhard Dichgans, who was director of the trade association VOG for almost 30 years and focused on the latest developments in the apple sector in the United States. Following Dichgans’s introduction to the session was Tim Welsh of Columbia Packers of Washington State, Professor Susan Brown of

Cornell University, Tom Barnes of Category Partners, LLC, and Stefano Musacchi of WSU. All speakers dove deep into the ongoing and emerging issues and opportunities in the US apple industry. Day 2 was chaired by Professor Luigi Manfrini, U. of Bologna, and was dedicated to the subject of automated harvesting. It was attended by the leading Ag-tech companies of picking robots who also presented and exhibited their technologies. Elia Bruni of Aigritec (Italy), Avi Kahani of FFRobotics (Israel), Chao Chen of Monash University (Australia), Han Smits of Munckhof (Netherlands), Hunter Jay of Ripe Robotics (Australia), Peter Ferguson of Advanced.farm® (California, United States), and Yaniv Maor of Tevel Aerobotics Technologies (Israel) (Figure 2).



Figure 2. Left picture shows chairman D. Dichgans and US speakers, from left to right (S. Musacchi, T. Welsh, S. Brown, and T. Barnes). Right picture shows chairman L. Manfrini and Ag-tech speakers, from left to right (Y. Maor, P. Ferguson, H. Jay, H. Smits, C. Chen, E. Bruni, and A. Kahani).

Robotic apple picking technologies: As indicated, there were seven Ag-technology companies featured as the most advanced robotic picking solutions in the world. Most of these companies were recently featured at an article titled ‘Lots of Bots’ by Ross Courtney of Good Fruit Grower magazine in the December 2022 issue (Vol.73, No.17). I highly encourage you to read this good article. I was particularly impressed by the picking solutions and R&D expertise presented at the congress by Peter Ferguson of Advanced.farm®

(Davis, California, US) (Figure 3). This Ag-tech company has four years of commercial automated strawberry harvest under its belt and started trials in Washington apples this past 2022 season. The machine uses six articulated, soft suction cup end effectors that deposit apples onto a conveyor system that carries the fruit to a bin filler. Funding is from Yamaha, Kubota, and venture capital firms. If the project remains fully funded, the Washington Tree Fruit Research Commission will contribute US \$460,000 dollars over the next three years.



Figure 3. Peter Ferguson (pictured in the left) introduced a very innovative and efficient robotic picking system at Interpoma this year. He also shared a R&D cycle for virtual emulation (computerized simulation or virtual reality) that facilitates continued development of his technology during offseason.

Climate effects/labor: Tim Welsh commented that for the past years, they have been increasingly struggling with climate anomalies. For example, in the spring of 2022 they had one of the coldest bloom seasons in record, with 19 inches of snow on the ground in Wenatchee and temperatures that did not reach 60°F or more until June. In 2021, on the other hand, they experienced the opposite, with a record heat wave of that reached 111°F in

June, which put trees, fruit, and orchard workers, under severe water stress. He also mentioned that labor shortages are another major issue in the WA apple industry today. The phenomenon of the Great Resignation – record numbers of people leaving their jobs since the Covid-19 pandemic – had already been looming in US apple orchards for some years. Government policies and the pandemic restricted the numbers of immigrant workers entering the country. Growers lost domestic workers faster than they

were able to replace them according to the Industry Outlook 2021 by US Apple. The organization representing the 26,000 US apple growers and 3,700 companies in the apple sector estimated that employment in apple orchards fell by an annual average of 20% between 2014 and 2020, while labor costs rose.

Varieties/prices/marketing/trends in the US: Tom Barnes indicated that almost every harvest brings the US consumer an even greater choice of apples. The range of apple varieties on offer has begun to overshoot the mark. A recent survey (conducted by Category Partners LLC.), revealed that there are currently 80 varieties on the consumer market. Today, US consumers are often faced with shelves containing up to 30 different types of apples. Barnes indicated that this huge apple variety display in US supermarkets is a big issue and cautioned that this enormous array of varieties is beginning to overwhelm US consumers: how to communicate the unique selling points of an ever-expanding number of premium brands and club varieties? Especially against a backdrop where: Except for 2020, annual apple consumption has declined slightly over the past five years. The share of online trade is increasing, with new products more difficult to accommodate.

The rise of inflation in the US economy, as a result of the war in Ukraine, has drastically reduced consumers' willingness to buy more expensive apples.

Finally, Barnes praised the release of new apple cultivars bred by the apple breeding programs at Cornell University, Washington State University, and at the U. of Minnesota, and indicated that never before in the history of U.S. apple growing has a new apple variety (WA38 or Cosmic Crisp®, bred by WSU) spread so rapidly in such a short space of time or has so much marketing effort spent on an apple. Barnes indicated that a year after Cosmic Crisp® market launch, in spring of 2022, it already ranked in surveys as seventh best apple seller in the USA, with a market share of 2.2%. Its price per pound of \$2.51 was almost twice as high as that of Red Delicious (\$1.34), although it was still below Honeycrisp (\$2.63).

It was a great opportunity for me to attend Interpoma this year, and I really appreciate the funding awarded by the CCE LOF program. Interpoma was packed with great technical and business intelligence information, new insights, and new ideas! I hope to be able to share some of this new knowledge with many of you in 2023!

Have a great holiday season! Mario

Intent to Restrict Certain Neonicotinoid Pesticide Products

The DEC announced the intent to reclassify certain neonicotinoid (neonic) pesticide products as "restricted use" effective January 1, 2023. Products containing **imidacloprid, acetamiprid and thiamethoxam** that are labeled for foliar and/or widespread outdoor use and/or seed treatment will be reclassified as restricted use. Products labeled for directed application to trees and/or the ground around trees and plants are not included.

For a full list of products that will now be restricted use in 2022, and for more information about this

decision, please visit:

<https://www.dec.ny.gov/chemical/298.html>.

As a reminder, any use of restricted use pesticides require that you obtain a New York pesticide applicator license, or be working under direct supervision of a certified commercial pesticide applicator. If you are interested in taking the exam to become a certified commercial pesticide applicator, and would like assistance with studying for the exam, a course will be offered in Wayne county in March of 2023, and in Orleans county in 2024.

How Profitable Will My New Orchard Investment Be? 1-day, hands-on skills class

Elizabeth Higgins, Business Management Specialist, CCE-ENYCHP

The Eastern NY Commercial Hort Team and the Lake Ontario Fruit Team are offering a 1-day, hands-on course at 5 locations in NYS in January and February for tree fruit farms on using farm financial information and other resources to make

decisions about long-term investments or changes to their business. We will apply the techniques covered in the 8-part webinar series in December to scenarios using sample financial data from fruit

farms in NYS. If you have missed the start/all of this series, Liz Higgins will make the recordings to you.

You will work with others in a group through a series of problems and leave with a better sense of how you can organize and interpret your own financial information to make better long-term investment decisions about your farm business. The class is scheduled from 9:00 to 4:00. The fee for the class is \$25 per person to cover the cost of lunch/break food (\$20 if you register early). The remainder of the cost of the program is covered by a grant from NERME (Northeast Risk Management Education).

Topics to be covered will include:

- How to use your financial records to evaluate your farm's performance
- Using Excel for analysis
- How to develop enterprise budgets and use tools like cost allocation, sensitivity

analysis, net present value and payback period to assess the viability of a long-term change.

Everyone will leave with a resource book and template excel forms.

If you missed the December sessions, they will be available on-line to review prior to the class. Please contact Liz Higgins at: emh56@cornell.edu.

Dates and Registration links:

- January 11, CCE Orleans

County https://enych.cce.cornell.edu/event_preregistration_new.php?id=1704

January 12, CCE Wayne County

https://enych.cce.cornell.edu/event_preregistration_new.php?id=1715

Precision Apple Crop Load Management series



January 2023 PACMAN Briefings

*Show and tell progress towards
Precision Apple Crop load MANagement*

**JAN 12 – How can PACMAN help you
make more money?**

**JAN 19 – Innovative new technology to
implement PACMAN (Part 1)**

**JAN 26 – Innovative new technology to
implement PACMAN (Part 2) & How's
your adoption going?**

**3 Thursdays via Zoom beginning
January 12**

12 PM (Eastern) / 9 AM (Pacific)

REGISTRATION

<http://bit.ly/3B14LS7>



Please join us for a series of Briefings by the PACMAN Research and Extension teams to update you on what we see as the current state of precision crop load management of apples. We are entering our third year of the USDA/NIFA/SCRI funded research and Extension project titled "Precision Crop Load Management for Apples" and we have interesting insights to share with on you vision based technologies and potential management implications! In addition, industry partners have been hard at work developing "turnkey" solutions to assessing your apple crop load management efforts and are invited to participate in a "show and tell." (Barring any hard sales pitch of course!)

Brought to you by the PACMAN Extension team

-Jon Clements (UMass Amherst)

-Karen Lewis (WSU) and Tory Schmidt (WTFRC)

-Mario Miranda & Craig Kahlke (Cornell University)

-Anna Wallis (MSU) & Phil Schwallier Long He/Daniel Weber (PSU)



2022 Census of Agriculture Underway in New York

ALBANY, NY - The U.S. Department of Agriculture (USDA) mailed the 2022 Census of Agriculture paper questionnaires to all known agriculture producers across the nation and Puerto Rico. Last month, producers in the states received their survey codes with an invitation to respond online. Any New York producer who did not respond online now has the option to complete the ag census at agcounts.usda.gov or by mail. Producers who have already responded to the 2022 Census of Agriculture online do not need to respond again. The deadline for response is Feb. 6, 2023.

Every 5 years, NASS collects the Census of Agriculture, a complete count of U.S. farms and ranches and the people who operate them. "This is a snapshot of agriculture that includes every crop, every county, demographics, and financial health of farms," said Donnie Fike, state statistician of USDA's National Agricultural Statistics Service, New York Field Office. "In addition to its usefulness to farm operations in making production decisions, census data is used by local municipalities, counties, states, federal and private entities. So many decisions about agriculture, the supply chain, and logistics like roads depend on Census of Agriculture data."

The Census of Agriculture remains the nation's only comprehensive and impartial agriculture data for every state, county, and U.S. territory. Farm operations of all sizes, urban and rural, which produced and sold, or normally would have sold, \$1,000 or more of agricultural products in 2022, are included in the ag census. The data inform decisions about policy, programs, rural development, research, and more. The Census of Agriculture is the producer's voice in the future of American agriculture.

Responding to the Census of Agriculture is required by law under Title 7 USC 2204(g) Public Law 105-113. The same law requires NASS to keep all information confidential, to use the data only for statistical purposes, and only publish in aggregate form to prevent disclosing the identity of any individual producer or farm operation. NASS will release the results of the ag census in 2024.

To learn more about the Census of Agriculture, visit www.nass.usda.gov/agcensus.

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.

Northeastern Region Organic Report

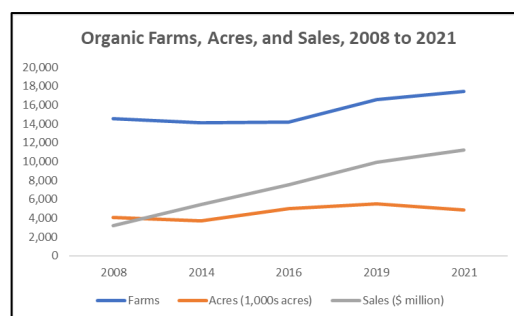
United States Department of Agriculture

HARRISBURG, PA – The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) released the results of the 2021 Certified Organic Survey, which show that 17,445 certified organic farms in the United States sold a total of \$11.2 billion in organic products in 2021, up 12.9% from \$9.9 billion in 2019. Pennsylvania and New York ranked in the top 10 in organic sale.

Northeastern Region Highlights

New York shows that 1,407 certified organic farms sold a total of \$328 million in organic products in 2021, up 10% from \$298 million in 2019.

The 2021 Certified Organic Survey is a census of all operations identified as having certified organic production. Certified organic farms must meet the standards set out by USDA's Agricultural Marketing Service's (AMS) [National Organic Program](https://www.ams.usda.gov/nop) (NOP) and be certified compliant by an approved agent of NOP. Survey results are available at



www.nass.usda.gov/organics or the Quick Stats database at <http://quickstats.nass.usda.gov>.

For the complete "2021 Organic Survey Summary" report, go to

[https://www.nass.usda.gov/Surveys/Guide to NASS Surveys/Organic Production/index.php](https://www.nass.usda.gov/Surveys/Guide%20to%20NASS%20Surveys/Organic%20Production/index.php)

The "2021 Certified Organic Survey" report and all other NASS reports are available online at

www.nass.usda.gov

PathStone Corporation is Currently Accepting Applications for their 2022-2023 Farmworker /Housing Grant

This program is a matching grant of up to \$3,000 to repair and upgrade existing farm labor housing. Examples of eligible repairs include, but are not limited to: roofing, bathrooms, plumbing, upgrading kitchens and appliances, heating, windows, ceilings, doors and other major structural components. Farm Owners must agree to provide \$1 for every \$1 provided by PathStone Corporation. This grant is available in Monroe,

Wayne, Ontario, Seneca, Orleans, Wyoming, Livingston, and Genesee counties. If interested, or if you have questions, please contact Susan Kwik at 585-261-1779 or skwik@pathstone.org for an application. Applications will be due March 3, 2023 and the work will need to be completed by the end of June 2023. Please help us spread the word as we want to assist as many farms as possible!

Fire Blight Webinar Series

Biopesticides for Fire Blight Management March 15, 2023 @ 4pm (PST) / 7 pm (EST) – NY DEC credits pending

Fire Blight Pruning & Sanitation June 13, 2023 @ 4pm (PST) / 7 pm (EST)

Using Weather & Environmental Conditions to Optimize Biologicals and Biopesticides for Bloom Protection

October 18, 2023 @ 4pm (PST) / 7 pm (EST)

For more information and registration https://events.anr.msu.edu/Fireblight_SCR1_Webinar_Series/ or contact Nikki Rothwell rothwel3@msu.edu or (231) 946-1510.

USDA to Conduct Bee and Honey Production, Disposition, and Income

HARRISBURG, PA -- The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) will contact beekeepers during the bee and honey production, disposition, and income Inquiry to gather information on colony numbers, honey production, stocks, and sales. The information helps evaluate conditions from year to year, and promote programs designed to ensure the viability of beekeepers and agricultural pollination services. NASS will conduct the survey in January and February 2023, collecting data from more than 8,500 beekeepers nationwide.

"The survey results provide a statistical benchmark on U.S. honey production and value," said King Whetstone, director of the NASS Northeastern Regional Field Office. "The information will allow the USDA, beekeepers, and any other interested parties to analyze data on a state-by-state basis and monitor changes in honey production and value."

To ensure all survey participants have an opportunity to respond, NASS will contact producers who do not respond online or by mail 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 this survey are published annually in the *Honey* report, which will be available on March 17, 2023. This and all other NASS reports are available online at 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.

Jared Buono to lead Cornell Hudson Valley Research Laboratory

Jared Buono, executive director for Cornell Cooperative Extension (CCE) of Ulster County, has been named director of the Cornell Hudson Valley Research Laboratory (CHVRL) in Highland, New York, effective Oct. 17.

Buono, who grew up on his family's farm in nearby Saugerties, New York, has been working with farmers and doing extension work for most of his life. After completing his doctorate in hydrology at the University of Arizona, Buono spent the next decade in India – leading NGOs, government and community partners in building collaborative watershed management programs in rural areas. In 2017, he returned to the U.S. to take his role with CCE Ulster. There, Buono worked with extension educators, volunteers and local partners to

diversify funding and expand programming, which impacts 20,000 residents annually.

Unlike previous CHVRL directors whose primary role was research, Buono's expertise in extension and alliance-building is an asset that Anna Katharine Mansfield, associate director of Cornell AgriTech, said will bring a strong applied and stakeholder-focused point of view to the lab's future. Jan Nyrop, the Goichman Family Director of Cornell AgriTech, agreed that Buono's leadership of CHVRL is an essential step toward CALS' vision of building a more integrated agricultural research and extension program in the Hudson Valley.

Read more at:

<https://cals.cornell.edu/news/2022/10/jared-buono-lead-cornell-hudson-valley-research-laboratory>.

IFTA Young Professional Scholarship Opportunity

The IFTA Young Professionals Scholarship Program was started in 2013 to encourage the next generation of fruit tree growers to attend the Association's educational events. The first Young Professional Scholarships were awarded that year for the IFTA Study Tour in Gettysburg, Pennsylvania. It was a great success, and IFTA is hopeful in supporting this program for many future events.

We are currently procuring sponsor support to provide scholarships to Young Professionals who

would like to attend the 2023 IFTA Annual Conference in Grand Rapids, MI on February 12-15, 2023.

The IFTA Young Professionals Committee will also be coordinating the Welcome Reception in Michigan. We are excited to celebrate 10 years of supporting the next generation of IFTA!

Scholarship Application and Donation information can be found at: [Young Professional Scholarships – International Fruit Tree Association](#) (ifruittree.org) Application Deadline: December 6, 2022

Agricultural Supervisory Certificate Program

[Cornell Agricultural Workforce Development](#) has opened registration for Transitioning to Supervisor, the third course offered by the [Agricultural Supervisory Leadership Certificate](#) program.

Transitioning to Supervisor

Develop essential communication skills and manage conflict. Lead a multi-cultural team. Build an effective workplace culture.

Register here:

<https://cvent.me/QgwAP1?i=m0BAMQJ8PUOT8CIRbMQ0UQ&locale=en-US>

\$275 per person

Materials will release January 20, 2023 and live weekly Zoom discussions will be held from 3 to 4 PM EDT each Thursday, starting January 26. Participation in the live sessions is highly

encouraged and provides a valued opportunity for peer to peer learning and networking.

Supervisors are critical to the success of farm businesses. They have a major impact both on employees' daily work experiences and on the production performance of the business. The Agricultural Supervisory Leadership certificate helps farm supervisors and managers learn and apply human resource management practices and leadership skills that foster rewarding workplaces and drive business results. Confident managers who thoughtfully apply leadership and management skills improve employee performance, develop teams, reduce employee turnover, and increase employee engagement. The courses within the certificate program will offer

extensive practice and engagement activities to build confidence and skill sets.

Courses in the Agricultural Supervisory Leadership certificate include:

- **Transitioning to Supervisor:** Develop essential communication skills and manage conflict. Lead a multi-cultural team. Build an effective workplace culture.
- **Organizing Work for High Quality Results:** Develop clear expectations and standard operating procedures. Delegate effectively. Diagnose and correct performance problems.
- **Managing Performance:** Understand motivation. Harness the power of performance feedback and coaching. Build clear and effective workplace communications. Set safety expectations. Conduct effective performance improvements.
- **Ethics and Employment Regulations for Supervisors:** Implement responsible and ethical labor practices and understand why this matters for agriculture. Recognize and prevent sexual harassment. Understand and follow minimum wage and overtime laws. Implement Equal Employment Opportunity laws to prevent discrimination and harassment. Use an employee handbook. Handle employee discipline and termination.
- **Employee Development and Training:** Identify training needs. Understand learning styles. Design and plan learning experiences that accommodate learner needs. Develop effective training skills and techniques. Evaluate learning results and training effectiveness.

- **Staffing and Organizing Your Team:** Develop job descriptions. Learn how to find potential employees, interview and select the right people. Implement new hire documentation, employment authorization, and onboarding: bringing new employees into the business successfully and productively.

More Information

Each course includes five weeks of instruction on topics that will build your leadership and management skills. Instruction includes a combination of prerecorded lectures, reading assignments, written exercises, live discussion sessions, and quizzes. For those looking to learn more on a particular topic, supplemental videos and articles may be recommended by the instructor. To get the most out of the course, students should plan to spend two to four hours each week on combined course activities.

For questions, contact Rachel McCarthy, Supervisory Leadership Certificate Program Coordinator, at rachel.mccarthy@cornell.edu.

Transitioning to Supervisor students say: All modules had great value. It got me to rethink some things. The elements fit together pretty well, building upon each other. The breakout rooms were good. I liked the variety of learning. I found the country differences extremely valuable to better understand our multicultural workforce. Communication lessons gave perspective on different ways to communicate effectively with your team. The lesson with power distances was helpful to teach different ways people of other countries view topics. I really enjoyed the videos during the course and being able to ask questions to instructors and getting a quick response. The self-evaluation to find out what kind of a supervisor you are was helpful.

Organizing Work for High Quality Results students say: All the aspects of the course were good. The weekly zoom meetings I think are important. I thought the course was great.

Mark Your Calendar

Meeting Title	How Profitable Will My New Orchard Investment Be?
Date	January 11 th (Orleans county) January 12 th (Wayne county)
Time	9:00 a.m. – 4:00 p.m.
Location	County CCE offices
Cost	\$25
Contact for Info/Registration	Orleans County https://enych.cce.cornell.edu/event_preregistration_new.php?id=1704 Wayne County https://enych.cce.cornell.edu/event_preregistration_new.php?id=1715
Brief Description of Meeting	See information on pages 3-4 of this issue.
Meeting Title	PACMAN Briefings Zoom Series in January
Date	January 12 th , 2023, January 19 th 2023, and January 26 th 2023
Time	12:00 noon
Location	virtual
Cost	Free
Contact for Info/Registration	Register here: http://bit.ly/3B14LS7
Brief Description of Meeting	Updates and announcements will be posted on the PACMAN website pacman.extension.org .
Meeting Title	Agricultural Supervisory Certificate Program
Date	January 26 th 2023 – Feb 23 rd 2023
Time	3:00 p.m.
Location	virtual
Cost	\$275
Contact for Info/Registration	Register here: https://cvent.me/QgwAP1?i=m0BAMQJ8PUOT8CIRbMQ0UQ&locale=en-US
Brief Description of Meeting	See information on pages 2-3 of this issue.
Meeting Title	LOF Western NY Fruit Conference
Date	February 27-28 th , 2023
Time	All day
Location	Rochester, NY (exact location TBD)
Contact for Info/Registration	More information will be made available in this newsletter and on our website.
Meeting Title	CCE Statewide Tree Fruit Conference
Date	March 3 rd , 2023
Time	All day
Location	virtual
Contact for Info/Registration	More information will be made available in this newsletter and on our website.
Meeting Title	66th Annual IFTA Conference & Tours Resiliency - Adapting and Thriving in a Challenging Future
Date	February 12-15 th , 2023
Time	All day
Location	Grand Rapids, MI
Cost	\$650
Contact for Info/Registration	Please go to https://ifruittree.org/event/ifta-2023-annual-conference-and-tour/ for full agenda and registration information.
Meeting Title	Fire Blight Webinar Series
Date	March 15 th 2023, June 13 th 2023, and October 18 th 2023
Time	7:00 p.m.
Location	virtual
Cost	free
Contact for Info/Registration	For more information and registration https://events.anr.msu.edu/Fireblight_SCR1_Webinar_Series/ or contact Nikki Rothwell rothwel3@msu.edu or (231) 946-1510.

Every effort has been made to provide correct, complete, and up-to-date pesticide recommendations. Nevertheless, changes in pesticide regulations occur constantly, and human errors are still possible. These recommendations are not a substitute for pesticide labeling. Please read the label before applying any pesticide. Copyright 2022. All rights reserved. No part of this material may be reproduced or redistributed by any means without permission. Cornell Cooperative Extension provides equal program and employment opportunities. **The Lake Ontario Fruit Program is a Cornell Cooperative Extension partnership between Cornell University and the Cornell Cooperative Extension Associations in Monroe, Niagara, Orleans, Oswego and Wayne counties.**

Cornell Cooperative Extension

Lake Ontario Fruit Program

12690 Rt. 31

Albion, NY 14411

Contents

Season's Greetings!

Western NY Fruit Conference

CCE Statewide Tree Fruit Conference

A Few Lessons Learned After Attending
the Biggest European Fruit Congress and Trade Show in
Apples

Intent to Restrict Certain Neonicotinoid Pesticide Products

How Profitable Will My New Orchard Investment Be? 1-
day, hands-on skills class

Precision Apple Crop Load Management series

2022 Census of Agriculture underway in New York

Northeastern Region Organic Report

PathStone Corporation is Currently Accepting Applications
for their 2022-2023 Farmworker /Housing Grant

Fire Blight Webinar Series

USDA to conduct bee and honey production, disposition,
and income

Jared Buono to lead Cornell Hudson Valley Research
Laboratory

IFTA Young Professional Scholarship Opportunity

Agricultural Supervisory Certificate Program

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, pollinators.

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

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