



Cornell University
Cooperative Extension

Lake Ontario Fruit Program
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“Fruit Facts” – Wednesday, July 24th, 2024
Mario Miranda Sazo and Janet van Zoeren

Tomorrow: Tree Fruit and Small Fruit Twilight Meeting on Thursday, July 25th at Simpelaar Fruit Farms in Mexico NY, 6:30pm start for Food Safety Q&A

Time: Thursday, July 25, 2024, 6:30PM – 8:30 PM

Location: Simpelaar Fruit Farm, 6018 State Rte 3, Mexico NY

Join specialists Anya Osatuke, Janet Van Zoeren, Anna Wallis and Robert Haddad for a conversation about fruit and berry phenology and pest management and food safety.

This series of monthly meetings will examine seasonal changes in tree fruit and berry crops, demonstrate scouting techniques, and discuss integrative pest management solutions to maximize the health and productivity of berry and fruit plantings. Robert Haddad joins us to cover food safety for berry and fruit growers, from water testing to food packaging.

Meetings will now be held from 6:30PM – 8:30PM on the last Thursday of every month, from April through July. Attendees are encouraged to bring pictures or descriptions of pests they are concerned about on their farm.

1.5 DEC credits will be offered in categories 1a, 10, and 22. Please arrive at 6:30PM to sign-in for DEC credits.

This event is free to attend, and no pre-registration is required. Pizza and refreshments provided by Valent.

Questions? Please contact aco56@cornell.edu.

Registration Is Now Open for our 2nd Annual Western NY Fruit Grower Tour!
Tuesday, August 13th, 2024

Co-Sponsored by the Cornell Cooperative Extension Lake Ontario Fruit Program & Lake Ontario Ag Consulting LLC.

Register Here: <https://lof.cce.cornell.edu/event.php?id=1915>

Sponsor Opportunities: Please contact Craig Kahlke at cjk37@cornell.edu, 585-735-5448.

The tour will be conducted in Orleans County and will feature the following fruit farms: Toussaint Farms, Zingler Farms, Circle R Fruit Farms, and Orchard Dale Fruit Farm

Stay tuned for more details coming soon!

Announcing the 9th CCE LOF Hispanic Summer Fruit Tour
to be Hosted by Dobbins Farms on Saturday August 17

The Hispanic fruit tour will be hosted by Dobbins Farms at the orchard located close to the following home address: 11647 Alps Rd, Lyndonville, NY14098.

The entire **3-hour tour** will be conducted at this orchard location and will include three educational stops in the

Spanish language (see more details for registration 'On the Horizon' section below): (1) Horticulture by Mario, (2) IPM by Janet Van Zoeren and Sandra Lizarraga, (3) and labor efficiency by Mary "Bess" Lewis of Cornell Agricultural Workforce Development.

The tour will start at **3pm and will finish at 6pm**. The tour will finalize with a dinner celebration at the nice Russ Martino pavilion of the Town of Yates from **6pm to 7:30pm**. Mexican food and drinks will be catered by the Mariachi Restaurant of Medina with a generous financial support provided by Farm Credit East.

WNY Bilingual Orchard Soil Health and Beneficial Fungi Meeting

August 22nd, 2024 - 3-6PM

Join members of CCE LOFP, CCE ENYCHP, and Cornell Soil Health Program for a bilingual training on the basics of soil health, the potential benefits of mycorrhizal fungi, and an update on the current project status of our SARE grant on orchard mycorrhizal products.

Location: CCE Orleans County, 12690 Rt 31, Albion, NY 14411

Register by August 20th for this Free Event! Register at: <https://lof.cce.cornell.edu/event.php?id=1948>

Agenda

- 3:00 PM - The basics of orchard soil health (Concurrently presented in English with Dr. Deborah Aller and Spanish with Mario Miranda Sazo)
- 4:00 PM - The basics of soil mycorrhizae in New York apple orchards (Concurrently presented in English with Mike Basedow and Spanish with Mario Miranda Sazo)
- 5:00 PM - Refreshments and Socializing until 6PM

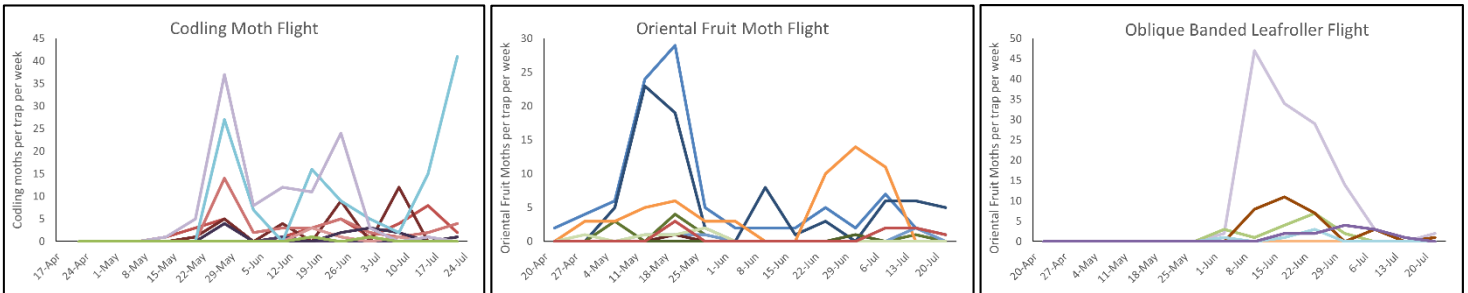
All programming will be given in both English and Spanish

This meeting is based upon work supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, through the Northeast Sustainable Agriculture Research and Education program under subaward number LNE23-472R.

To Do Today

- Yellowing and defoliation of trees has been seen in many orchards in Orleans county; so far the culprit seems to be **Glomerella leaf spot**. Kerik spoke about Glomerella and the similar-looking Marssonina diseases in an issue of Scaffolds (<https://open.spotify.com/episode/5eP4DHUoYyCROGtFvQhXV8?si=06d5e26bcb9e4e5b>). If you are seeing yellowing and defoliation in your apple orchard, give me a call to make sure to identify it correctly. There is a 2(ee) emergency use registration for **Merivon** for Glomerella – if you use that you need to make sure to have the appropriate 2(ee) label (you can find it, and all NY product labels, on the DEC webpage at <http://www.dec.ny.gov/nyspad/products?0>).
- **Apple scab** continues to infect many orchards. Keep your fungicide program going if you see scab symptoms. Rotate between single-site products such as Cevya (0day PHI), Merivon (0day PHI), Tesaris (0day PHI), Rhyme (14day PHI); Flint Extra (14day PHI), Luna Sensation (14day PHI), Aprovia (30day PHI), and Sovran (30day PHI).
- **Summer diseases** such as **sooty blotch and flyspeck, black rot, white rot and bitter rot** are now a main focus as we move into mid-summer.
 - Products that are effective for SBFS, and black, white, and bitter rots include Flint Extra (14day PHI), Inspire Super (14day PHI), Luna Sensation (14day PHI), Merivon (0day PHI), and Pristine (0day PHI).

- **In general, fungicide covers for the rots go on every 14 days**, but remember that 1.5” of rainfall would trigger a re-cover (rule of thumb, varies some by product).
- **Apple maggot** has been found on baited traps in Wayne, Orleans and Niagara counties (I do not have traps in Oswego county this year, but suspect they are there now as well). Consider **Assail or Imidan** (both 7 day PHI) for AM management. The pyrethroids Baythroid (7 day PHI), or Danitol or Mustang Maxx (14 day PHI) are also effective options, but likely to cause flair ups in mites and/or woolly apple aphids due to removing natural predators.
- **Woolly apple aphid** populations have been expanding rapidly with the heat the past couple of weeks! They are now easy to see in the leaf axils of affected blocks. Manage WAA problem blocks now, before they have time to build up large colonies that can protect the center aphids from any contact with a spray. WAA can be controlled by Beleaf (21day PHI), Sefina (7day PHI), Sivanto Prime (14day PHI), Versys (7day PHI) at this timing. **Coverage is critical** so drive slow and use a high gallons per acre.
- **Codling moth** second generation flight is just beginning to begin. OFM and OBLR are still between flights. No management necessary at this time!



- **Brown marmorated stink bug** showed up one of my traps this week, although none of the blocks I monitor have yet reached threshold. If you have a history of damage in your blocks and want to plan an application, effective materials include Brigade (30day PHI), Beseige (21day PHI), and Leverage 360 (7day PHI).

Stone Fruits and Berries

- **Cherry leaf spot** has been seen in several orchards; even if you have never seen this disease before keep an eye out for it this year – it has been a perfect year for diseases to build up. Early symptoms are brown/rusty speckling of the leaves, which then leads to leaf yellowing and defoliation. This may lead to poor overwintering and poor fruitset for next year. Post-harvest chlorothalonil is a good fungicide – it will not cure the disease already present but may help prevent it from spreading. If you have cherry leaf spot symptoms now, this fall would be a good year to try using urea or a brush hog to break down fallen leaves in the fall, and to use a dormant copper application either this fall or next spring.
- **Spotted wing drosophila numbers increased dramatically this past week!** Keep reapplying insecticides to all susceptible fruit crops (brambles, cherries, blueberries) until all fruit has been harvested. Reapplication should happen every 7 days for products with an “excellent” efficacy and every 4-5 days for softer chemistries with a “good” or less efficacy.

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 2024. 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.