



“Fruit Facts” – Tuesday, May 28th, 2024
Mario Miranda Sazo, Janet van Zoeren and Anya Osatuke

TODAY is the Virtual Western NY Rescue Thinning Meeting
Tuesday May 28th, 4:30-5:30 PM

Virtual Western NY Rescue Thinning Meeting TODAY (Tues, 5/28), 4:30-5:30 PM, Zoom.

Click here to join meeting, no need to pre-register:

<https://cornell.zoom.us/j/91735410638?pwd=aTJsRnlVODFvdUJtRXRGNmVBVUdNZz09&from=addon>

Agenda

- Welcome & Intros, Craig Kahlke (~2 minutes)
- Craig Kahlke, Phenology/Thinning Updates in Niagara/Orleans Counties (~ 5 minutes)
- Mario Miranda Sazo, Phenology/Thinning Updates in Wayne County (~ 5 minutes)
- Jim Eve (Eve Farm Service, LLC) - Thinning Updates from Wayne County (~ 5 minutes)
- Vaughn Gingerich (Lake Ontario Ag Consulting, Inc.)- Thinning Updates from Western NY (~ 5 minutes)
- Dr. Terence Robinson, Cornell, Thinning Recommendations at the 15-20 mm timing for Western NY (~20-25 minutes)
- Q & A (~5-10 minutes)

<https://cornell.zoom.us/j/91735410638?pwd=aTJsRnlVODFvdUJtRXRGNmVBVUdNZz09&from=addon>

Meeting ID: 917 3541 0638, Passcode: 950583

One tap mobile

+16465189805,,91735410638# US (New York)

Tomorrow! Bilingual Twilight Meeting Wednesday May 29th
at Orchard Dale Fruit Farm in Orleans county

Register now! Registration will close TODAY at noon: <https://lof.cce.cornell.edu/event.php?id=1936>

Bring your workers to join us on May 29th at Orchard Dale Fruit Farm in Orleans county from 5:30-8pm.

The event is a joint effort between LOF’s Janet van Zoeren and Mario Miranda Sazo and NYS IPM’s Anna Wallis. It will feature both educational IPM trainings, along with time for farm employees to socialize and learn from each other.

Educational programming will cover scouting and monitoring demonstrations, along with some theory on the basics of IPM and the importance of farm employees as on-farm scouts and to provide early-warning of potential insect pests and diseases. All programming will be given in both English and Spanish, providing an opportunity also for workers to listen and learn the other language.

Snacks and soda will be provided for 30 minutes of social time before and after the educational programming.

Everyone is welcome to attend! Registration will be required so we can provide sufficient food, but attendance will be free.

Thursday this week! Twilight Meeting Thursday May 30th at Coulter Farms in Niagara county

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.

Join us from 7-8:30pm on **Thursday May 30th**. Please **arrive at 6:45pm** for pizza and soda. Thank you to Valent for providing refreshments!

Location: Coulter Farms, 3871 N Ridge Rd, Lockport NY.

1.5 DEC credits will be offered in categories 1a, 10, and 22.

Feel free to bring pictures or descriptions of pests you are concerned about on your farm.

No pre-registration required; **event is free to attend**.

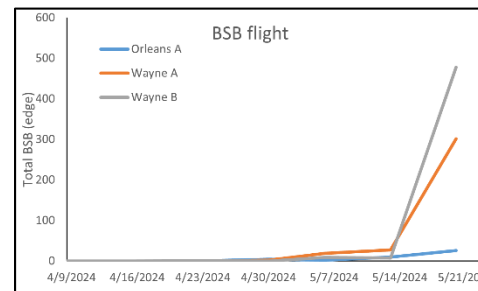
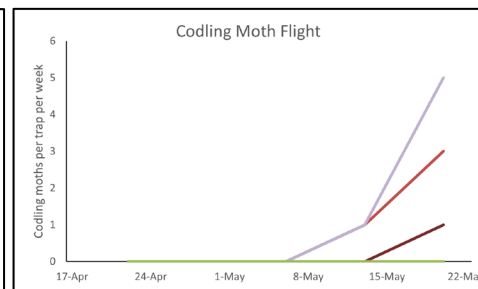
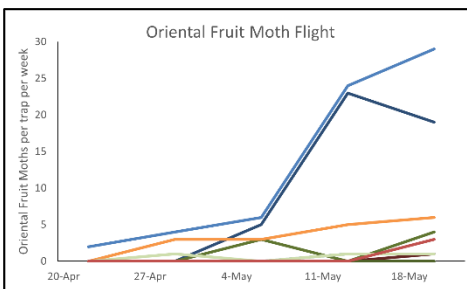
To Do Today

- **The recent rains and temps increased fruit size over the weekend, and we are now approaching the last decisions for rescue thinning with some of the fruitlets close to 18-20mm in inland sites. Plan to attend the rescue thinning meeting at 4:30pm today (see above for more information).**
- **New plantings respond well to more precise and timely execution of tree training and support for maximum vertical growth in June:**
 - Leader growth is maximized when it is always well supported to the trellis by a rubber band, a wire loop, and is guided/supported by the use of a plastic twine for additional vertical support (honestly, it is critical!).
 - With young weak trees that have still a crop the unsupported terminal portion of the leader above the last wire should be de-fruited for maximum shoot growth and good lignification during years 2, 3 and 4.
 - Use your labor and time wisely and multitask effectively. Recent research has shown that blossom removal and removal of fruitlets (at 18.9mm fruit diameter) allowed the leader to put on 20% more growth the year of planting. This research found that there is not difference between blossom removal and small fruit removal suggesting that the window between blossoming and early fruit set is suitable for removing potential fruit that could interfere with tree growth.
 - This is the week to select and support the leader for maximum vertical growth: Leader selection, pruning of competitive shoots (always leaving a short stub of 2-4 fingers-length), and support began last week and can be accomplished all this week and coming weekend to maximize vertical growth. Timely execution of this task is critical for uniform and fast vertical growth of the main leader (see Figure 1 below).

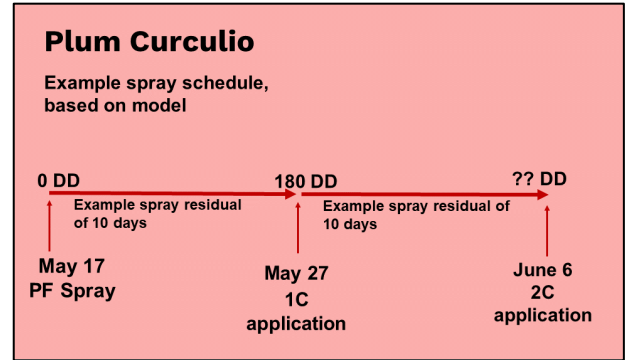


Figure 1. A 6-person crew is selecting and supporting leaders simultaneously for two rows with the use of a motorized platform (3-person crew per row, pics taken on Friday May 24, 2024). For maximum vertical growth during the month of June, this leader selection/training support should be finished by the end of this week/early next week at the latest

- **Codling moth larvicides best timing for application will be the end of this week through the weekend.** You have now missed the timing to apply Rimon, Intrepid or Esteem. Applications this week should be of “larvicides”, which includes all the other chemistries: i.e. Dipel, Juvelin, Altacor, Exirel, Verdepryn, Delegate, Assail, Avaunt, Imidan, etc. If you are monitoring on your farm, and using the NEWA model for your location, you will be able to target a more exact date. However, using my biofix of May 17th (see graph at right), the late week / weekend timing looks pretty good across the region. Larvicides should go on at 220DD, which based on current forecasts suggests a CM spray mid next week.
- **Black stem borer flight has begun in earnest this week** (see graph at right). Unfortunately though, there’s not an effective management option for bsb. Danitol and Warrior II are both labeled for use as a coarse application directly to the tree trunk, but efficacy trials don’t look promising. The best management strategy is to keep trees healthy, as bsb will only go to stressed trees but never to completely healthy trees.
- **Fire blight** infection risk continues in any blocks with lingering open bloom. Don’t give up now! Cueva + Double Nickel is a good option for blocks with remaining open blossoms. Watch for fire blight strikes as you move through the orchard.
- **Watch for powdery mildew.** We have begun seeing mildew symptoms in many orchards. Some options for PM control include Flint extra, Inspire Super, Luna Sensation, Merivon, Miravis, Rally, and others.
- **Wolly apple aphid** can be controlled by Movento, Senstar, Sefina or Sivanto at this timing. You will need to use a penetrant with many of these products, so be sure not to use that combination if you are using Captan for apple scab management 10 days before or after the WAA application.



- **Plum Curculio** first cover spray probably went on in many blocks yesterday, or will be going on soon. Effective insecticides for plum curculio include Exirel, Imidan and Verdepryn, Actara, Assail, Avaunt, etc. A third PC application may not be necessary this year, depending how warm temps are in the coming week. PC applications end at 308 DD past petal fall, and we are now at ~180-200 depending on location.



Pear

- **Fabraea leaf spot.** If you have had Fabraea in your peach block previously (note Bosc is especially susceptible), you will want to keep trees covered now through July 4th. Options include Topsin M, Ziram, Manzate and Syllit.

Stone Fruit

- **Peach Diseases (rusty spot, bacterial spot, brown rot):** Captan, Miravis, Inspire Super, and Merivon will control brown rot and peach scab. Be sure to rotate active ingredients to delay resistance. The addition of a copper (i.e. Cueva) will help blocks with a history of bacterial spot.
- **Oriental fruit moths** is a pest of major concern for stone fruit production. This week is the best timing to control the first generation caterpillars – Assail, Altacor, Delegate, Exirel and Verdepryn offer excellent control.
- **Remember to keep your trees healthy if they are being defoliated by peach leaf curl.** Avoid heavy cropping, keep well irrigated, and continue to manage those blocks for foliar diseases even if there will be no fruits.

On the Horizon

Spotted wing drosophila traps are now out in the field. We don't *expect* to catch any for at least few weeks, but this year most insects are developing about a week ahead of "normal". Stay tuned, and be ready to keep early ripening berries covered as soon as we begin to trap SWD in your region.

Summer disease management will begin sooner than we would like!

- **Black, white, and bitter rots, along with sooty blotch and flyspeck** make up the "summer diseases", which will be on our minds in a couple weeks. Each diseases is slightly different, but in general, products with efficacy against the summer diseases include: **Aprovia, Flint Extra, Inspire Super, Luna Sensation, Merivon, Pristine, and Sovran.**
- Be aware of **Marssonina leaf blotch**, which causes yellow leaves with small dark irregular blotches, followed by rapid defoliation (see image at right). Marssonina responds to similar conditions and fungicides as does apple scab, but often shows up later in the summer when you may have a gap in your fungicide program, or in varieties that are less prone to scab so may receive a limited spray program. There are no labeled fungicides for Marssonina in New York, but many of the products that you use for scab will also help manage Marssonina (especially effective products include Captan, Mancozeb, Luna Sensation, Luna Tranquility and Merivon).



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.