



“Fruit Facts” – Tuesday, May 21st, 2024
Mario Miranda Sazo, Janet van Zoeren and Anya Osatuke

**Tomorrow join us for the ‘Virtual Western NY 8-12 mm Thinning Meeting
& Post Petal Fall Pest & Disease Management Recommendations’
Wednesday, May 22, 4-5 PM**

Sponsored by CCE-LOF

Join Zoom Meeting tomorrow via the following link

<https://cornell.zoom.us/j/99232735622?pwd=WW8rQTZuWnRXcWFsTVRMTGVRHILQT09&from=addon>

Meeting ID: 992 3273 5622 Passcode: 151977

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- Welcome & Intros, Craig Kahlke (~2 minutes)
- Janet van Zoeren - Pest & Disease Management Highlights at the Post Petal Fall Timing (~ 8 minutes)
- Craig Kahlke, Phenology/Crop Updates in Niagara/Orleans Counties (~ 5 minutes)
- Mario Miranda Sazo, Phenology/Crop Updates in Wayne County (~ 5 minutes)
- Jim Eve (Eve Farm Service, LLC) - Crop Updates/Thinning Recs in Wayne County (~ 5 minutes)
- Vaughn Gingerich (Lake Ontario Ag Consulting, Inc.)- Crop Updates/Thinning Recs in Western NY (~ 5 minutes)
- Dr. Terence Robinson, Cornell, Thinning Recommendations at the 8-12 mm timing for Western NY (~20-25 minutes)
- Q & A (~5-10 minutes)

**Bilingual Twilight Meeting next week Wednesday May 29th
at Orchard Dale Fruit Farm in Orleans county**

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. Click here for more information and to register: <https://lof.cce.cornell.edu/event.php?id=1936>

Twilight Meeting next week 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

- Please review the previous **petal fall thinning recommendations sent in the last two Fruit Facts**. Last call for the petal fall sprays. The PF thinning window is starting to close along the lake today/tomorrow.

A few Fuji and on-farm nursery pics/notes this Wednesday, May 21 (Figure 1 and 2):



Figure 1. A mature Fuji block that lost the crop is showing vigorous shoot growth of 6-8 inches in a Wayne block on May 20. Grower can still root prune (one side, 18-20 inches from the trunk) and/or use a high rate of apogee to control vegetative growth.



Figure 2. Yesterday I visited a 4-person team that was weeding and removing rootstock shoots and blossoms. On-farm apple nursery production requires constant attention to details and the timely execution of tasks for maximum tree growth.

○ **Petal fall thinning for 2024:**

- The petal fall spray is an essential component of this year thinning program.
 - A full dose of either NAA+Sevin or NAD+Sevin is needed in blocks with a strong set.
 - Alternatively use Maxcel+Sevin with Gala if temperatures are in the 70's.
 - Alternatively use Maxcel+Accede on a trial basis with Gala.

Suggested Chemical Thinning for Honeycrisp:

- **Petal Fall (fruits at 5-6mm)**
 - **NAA 4oz/acre + Sevin (1pt/acre)**
- Fruits at 11-13 mm
 - NAA 3oz/acre + Sevin(1pt/acre)
- Fruits at 15-20 mm (if needed)
 - NAA 4oz/acre+ Regulaid (1pt/acre)
 - Accede+Maxcel

Suggested Chemical Thinning for Gala:

- **Petal Fall (fruits at 5-6mm)**
 - **NAA 4oz/acre + Sevin (1pt/acre)**
 - **Macel 128oz/acre+Accede 400ppm**
- Fruits at 11-13 mm
 - Maxcel 128oz/acre + Sevin(1pt/acre)
- Fruits at 15-20 mm (if needed)
 - Accede+Maxcel

- **Fire blight!** We are in the middle of a major infection event, which will continue now through the end of the week. Keep all blocks with **any** open bloom covered with Streptomycin, kasugamycin, or oxytetracycline. Even in blocks where you don't see any open blooms, you may want to use a biological such as Double Nickel or Regalia.
- IF OFM is a pest of major concern on your farm, the best timing to target the majority of OFM larvae will be in the next few days. That said, from my experience, despite high OFM moth trap catch, most caterpillars that are in the fruit at harvest are usually codling moth.
- **Codling moth** flight began last week, and this week would be good timing to apply Rimon to target the eggs. Codling moth larvae are not yet present, so any larvicide (most CM products) will not do you any good until a week or two from now.
- **Plum Curculio** management begins as soon as petals are completely off all the trees in the block. Materials effective

against PC include: Exirel, Imidan and Verdepryn (also control OFM), Actara (also controls Rosy apple aphid), Assail, and Avaunt.

- **Wolly apple aphid** can be controlled by Movento, Senstar Sefina or Sivanto at this timing.

Stone Fruits:

- **Oriental fruit moths** is a pest of major concern for stone fruit production. This week will be the best timing to control the first generation caterpillars – Assail, Altacor, Delegate, Exirel and Verdepryn offer excellent control.

Berries:

- Scout black raspberries and blackberries for orange rust. Symptomatic plants will have small, cupped foliage that develops orange spots on the underside of the leaves. This is a systemic disease, and symptomatic plants must be removed entirely. Orange rust is prevalent in wild raspberries, and the spores travel via wind.
- Make sure your berry crops are getting the water they need via irrigation, as this will have an influence on fruit size. Critical periods for water delivery are bloom and fruit sizing. Raspberries need 1 acre-inch of water per week, while blackberries, strawberries, and blueberries, benefit from 1-2 acre-inches of water per week.

On the Horizon

- Cranberry and cherry fruitworms have begun their flight. Prepare to scout green fruit for scale-like eggs.
- Spongy moths have started to emerge and drop from trees, though the scale of the emergence may be small. Keep tabs on the status of your planting to determine if a spray is warranted.

Good to Know

Don't forget to join us tomorrow and every Wednesday for Berry Office Hours, 8:30-9:00am

Berry office hours will continue weekly until July 3, 2024. Drop in for an informal conversation about berry production with Laura McDermott and Natasha Field of the Eastern New York Commercial Horticulture Program, and Anya Osatuke of Harvest New York.

[Join Zoom Meeting Link](#) Meeting ID: 962 9520 5493, Passcode: 12345

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