



“Fruit Facts” – Friday, May 30th, 2025

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To Do Today

The upcoming thinning window opportunity will be today Friday, this weekend, and early next week:

The last satisfactory weather opportunity for 10-13mm thinning sprays is today, this weekend, and early next week with the warmer temps for lake sites. Some differentiation between fruit that will stay and fruit that will drop was evident yesterday. The low temperatures delayed the action of petal fall thinners and the rate of growth of fruitlets. At a Honeycrisp site, petal fall sprays applied more than 10 days ago (May 19) were effective and 4mm fruitlets were dropping on the ground yesterday. The next thinning window opportunity with warmer temperatures is next Tuesday and Wednesday in Lake Ontario.

Summary of options for the 10-13mm thinning spray:

- Best timing based on DD is forecasted to be
 - **Sodus Friday May 30 – Tuesday June 3**
 - **Waterport Thursday May 29 (yesterday) - Sunday June 1**
- **Suggestions:**
 - Wait until the end of the thinning window (early next week)
 - High temperatures on will be in the upper 60's and low 70's.
 - These temperatures will result in a good but not aggressive response from both NAA and Maxcel
 - The carbohydrate surplus will result in mild thinning.
 - Thus, use full rates of NAA or Maxcel
 - Use 2pt Sevin per 100 gallons.
 - Use Regulaid (1pt/100)
- With Gala the 10-13mm spray is essential.
- With McIntosh, Empire, Honeycrisp, Macoun, Cortland the 10-13mm spray is needed.

Chemical thinning options at the 10-13mm

- Chemicals
 - NAA + Carbaryl
 - BA+Carbaryl
 - BA + NAA
 - Maxcel+Accede
- Gala - Use Maxcel at 64 oz TRVD basis + 2 pt Sevin XLR
- Honeycrisp – Use NAA at 3oz TRVD basis + 2 pt Sevin XLR
- McIntosh - Use NAA at 2oz TRVD basis + 2 pt Sevin XLR
- Empire - Use Maxcel at 64 oz TRVD basis + 2 pt Sevin XLR
- Spur Delicious - Use Maxcel at 64 oz TRVD basis + 2 pt Sevin XLR
- Fuji -Use Maxcel at 64 oz TRVD basis + 2 pt Sevin XLR

Review of rate calculation for Maxcel or NAA:

Suggested rates are TRVD, thus the amount of chemical to add to a full spray tank must be calculated

- Calculate TRV for orchard and then a concentration factor
 - $\text{TRV/Volume of spray per acre} = \text{Concentration factor}$
 - Example: $\text{TRV}=150$ and spray volume is 75 then concentration factor=2
- Multiply suggested rates by concentration factor to get rate/acre.
 - Example 3oz NAA X Conc factor of 2=6oz NAA/100 gal X 5=30 oz/sprayer tank
 - Example 64oz Maxcel X Conc factor of 2=128oz Maxcel/100 gal X 5=5 gallons Maxcel/sprayer tank
- Because of carbohydrate surplus and cool temperatures use 2pt of Sevin.
 - Example 2pt Sevin /100 gal X 5=10 pt/sprayer tank=1.5 gal/sprayer tank

Tips for successful thinning in 2025:

Nozzle the sprayer differently for the next sprays

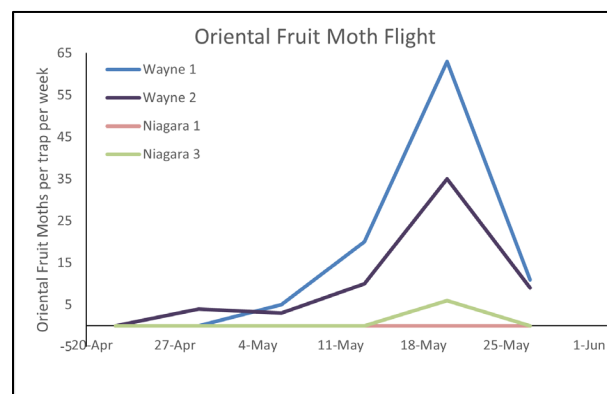
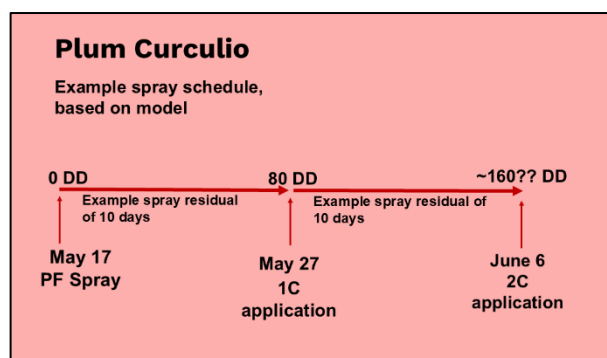
1. For 12mm spray, nozzle so that 75% of the spray is directed to the top half of the tree.
2. For 18mm only spray the top of the tree.

Surfactants like Regulaid, can increase the response of NAA.

3. If there is a carbohydrate surplus include a surfactant
4. If there is a carbohydrate deficit do not include a surfactant.
5. If using NAA, then add Regulaid this year.

Disease and Pest Outlook:

- **We are beginning to see some foliar scab symptoms, which triggers the beginning of the secondary scab infection period. Keep tight scab coverage every 7-10 days through at least 3rd cover or so.**
 - Avoid Captan during the thinning season.
 - Powdery Mildew has been seen at high levels in many orchards this spring. **Cevya, Flint Extra, Inspire Super, Miravis, Rally and some of the pre-mixes double up protection for Powdery Mildew and Scab, and will also pick up management for apple blotch and some of the summer rots.**
 - **Axios** is a new product with a new mode of action (group 52), which has been performing well in trials in Michigan and elsewhere.
- **If you have rattail bloom in some blocks, consider a fire blight spray over the weekend prior to upcoming warm temperatures.**
- **Most growers will be putting on a 1st cover 'bug' spray asap if not already (apply 1st cover 10-14 days after the petal fall spray).**
 - With the cool weather, **you can expect to need at least three, and probably four, plum curculio sprays this spring!** We will continue to manage plum curculio for as long as they continue to migrate into the orchard (308 degree days past petal fall) and we are currently only at ~85 degree days. Stay tuned here for updates on PC migration and spray timings. Remember to rotate chemistries and modes of action (Exirel and Verdepryn are in the same group!) to prevent resistance.



- **OFM caterpillars are still continuing the hatch**, so do include an OFM product in your 1st cover spray. Options include Assail, Avaunt, Exirel, and Verdepryn, among others.
- **San Jose Scale** can be controlled by Movento (with a penetrating adjuvant), Sivanto, Esteem or Centaur, generally to be applied around the PF or 1st cover timing.
- **If using mating disruption for Dogwood borer, hang those disruptors asap!** Mating disruptors need to go out before moths begin to fly, or will dramatically lose efficacy. We've not yet seen DWB moths in traps, but expect to do so in early June.

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.
- **If using mating disruption for the Peach tree borers**, hang those disruptors soon.
- **Stone fruit Plum Curculio sprays** will continue until 308DD, similarly to in apples. **You will need to continue to cover stone fruits for PC for several sprays still to come.**

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