



## **“Fruit Facts” – Friday, May 27 2022**

### **WNY 10-13mm Thinning Meeting via Zoom now Available on our LOF YouTube Channel**

Here is the link <https://youtu.be/SiNGEXbVGNA> for yesterday's meeting with Dr. Robinson.

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### **Next Thursday June 2 at 7pm EST is the First Nationwide Virtual Meetup about Labor and AG-Technologies – You can still register!**

CCE LOF will be conducting again a second round of nationwide virtual meetups this summer. Last year we focused on ‘Honeycrisp’ and had a great success with this new/more informal format. **We plan to cover labor and AG-technologies this time.**

The link to the one-page flyer is here: [https://rvpadmin.cce.cornell.edu/pdf/event\\_new/pdf96.pdf](https://rvpadmin.cce.cornell.edu/pdf/event_new/pdf96.pdf) with the agenda that we recently began to use to announce this nationwide effort. This series of virtual meetups (7pm, EST), are **Free!**

Please register as soon as possible here: [bit.ly/orchardmeetups](http://bit.ly/orchardmeetups).

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### **First Time Announcing ‘Premier Spring Spanish Fruit School’ – Friday, June 17, 2022 from 12:00 PM- 4:30 PM**

**CCE Orleans County Office Location: 12690 NY-31, Albion, NY 14411**

Join the Cornell Small Farms Program, CCE Lake Ontario Fruit Program and NYS Integrated Pest Management for a Spanish Language Field day! More details in the coming issue of LOF newsletter and via Fruit Facts in the next two weeks. **Open event - No registration required!**

## **IPM Notes...Janet van Zoeren**

We are looking for populations of **fire blight, woolly apple aphid, and rosy apple aphid**. If you have any infestation/outbreak of any of these pests, would appreciate it if you would get in contact with either me (contact info below), or with the research faculty listed below!

### **Wanted: Woolly Apple Aphids**

The Apple Rootstock Breeding Program in Geneva, NY is collaborating with a network of U.S. scientists to collect and DNA fingerprint Woolly Apple Aphids (WAAs) throughout the U.S.A. We need to collect material all over the state of New York. If you see WAAs on your farm can you please send a quick email to Gennaro Fazio at [gf35@cornell.edu](mailto:gf35@cornell.edu)? Our intention is to come and collect some and preserve it for DNA extraction. Thank you!

### **Wanted: Rosy Apple Aphids**

Dr Monique River’s lab needs to start a colony of rosy apple aphid for research purposes. If you see any infestations in your orchard blocks, please contact us at [mjr422@cornell.edu](mailto:mjr422@cornell.edu), so we can arrange to collect them. Thank you!

### **Wanted: Fire Blight samples**

My name is Isabella Yannuzzi and I am a graduate student at Cornell University in Kerik Cox's lab studying fire blight and fire blight streptomycin resistance. I am continuing a project previously worked on by Anna Wallis and Kiersten Tancos,

collecting fire blight samples from across New York state and New England. The testing is completely free, we will confirm that the sample is fire blight, and test it for **resistance to streptomycin**. If you see fire blight at any point during this season, you can send it in for resistance testing. Contact Isabella Yannuzzi [imy3@cornell.edu](mailto:imy3@cornell.edu) or Janet van Zoeren for assistance. Fire Blight Sample Submission Form:

[https://docs.google.com/forms/d/e/1FAIpQLScoDppop7qrSB4nzT0t4KsyxpNmKzPovhthpEW5aV6YNmPj7g/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScoDppop7qrSB4nzT0t4KsyxpNmKzPovhthpEW5aV6YNmPj7g/viewform?usp=sf_link)

Any questions about pest management, please call or email me: [jev67@cornell.edu](mailto:jev67@cornell.edu), 585 797 8368.

## **Horticultural Notes...Mario Miranda Sazo**

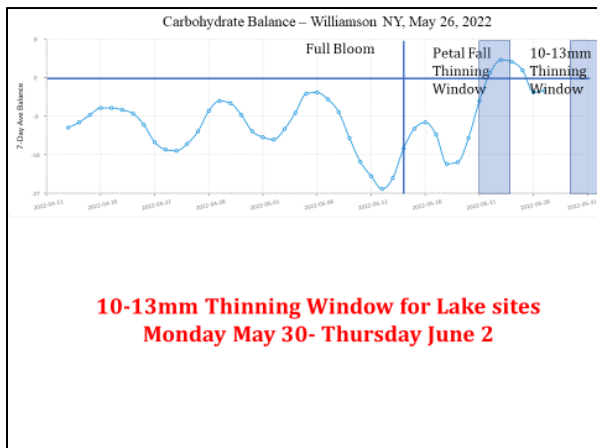
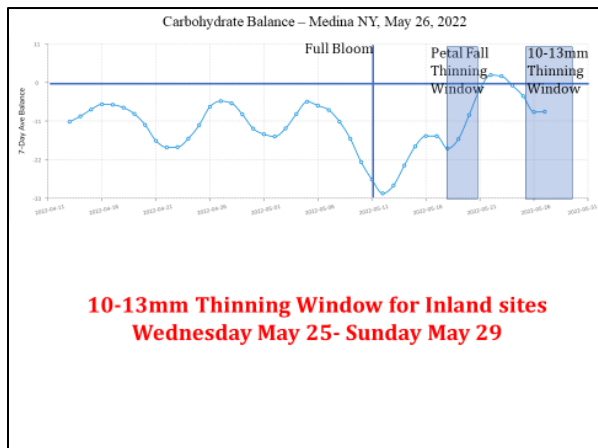
### **10-13mm thinning windows based on DD and main remarks presented by Dr. Robinson yesterday (May 26):**

- 10-13mm thinning window for **inland sites** opened on Wednesday (May 25). Thinning sprays should be applied today May 27, tomorrow Saturday May 28, and until Sunday May 29.
- 10-13mm thinning window for **lake sites** will open this coming Monday May 30. Most sprays should occur from Monday May 30 to Thursday June 2. We plan to run the carbohydrate model and send updated thinning recommendations with improved weather forecasts on Monday May 30 around 9am. Stay tuned for more thinning recommendations by Dr. Robinson!
- The 10-13mm spray will go on under cooler conditions this week and will likely give moderate thinning while sprays next week will be under warmer conditions and give better thinning.
- **Suggestions**
  - Friday (May 27) will be rainy and Saturday and Sunday will be cool. For inland sites spray today Thursday (May 26) or wait until Monday (May 30). For lake sites Monday-Wednesday will be good days for thinning
  - High temperatures mid 80's inland on Monday and Tuesday but only in the 70's along the lake.
  - The average carbohydrate balance of ~-10g. This will give good thinning.
  - Use full rates
  - Maxcel will do a great job with warm temperature in 2022
  - With Honeycrisp the good thinning achieved from bloom and petal fall sprays will probably result in near perfect thinning from this spray so that a rescue spray will not be needed.
  - With Gala this spray will probably not finish the thinning process.
- **Chemicals**
  - Sevin+oil
  - Maxcel + Sevin
  - NAA + Sevin
  - Maxcel + NAA
- **Gala** - Good year to use Maxcel at 64 oz TRVD basis + 1 pt Carbaryl
- **Honeycrisp** – use NAA at 3oz TRVD basis + 1 pt Carbaryl
- **NY-1 (Snapdragon)** - use Maxcel at 64 oz TRVD basis + 1 pt Carbaryl
- **McIntosh** - use NAA at 2oz TRVD basis + 1 pt Carbaryl
- **Empire** - use Maxcel at 64 oz TRVD basis + 1 pt Carbaryl
- **Spur Delicious** - use Maxcel at 64 oz TRVD basis + 1 pt Carbaryl
- **Fuji** use Maxcel at 64 oz TRVD basis + 1 pt Carbaryl

### **Review of rate calculation for NAA or Maxcel:**

- Suggested rates are TRVD, thus the amount of chemical to add to a full spray tank must be calculated
- Example 7.5ppm (3oz/100gal) NAA
- Example 100ppm (64 oz/100gal) Maxcel
- Calculate TRV for orchard and then calculate a concentration factor
- Concentration factor = TRV/Volume of spray per acre

- Example: TRV=200 and spray volume is 100 then concentration factor=2
- Example2: TRV=150 and spray volume is 100 then concentration factor=1.5
- Multiply suggested rates by concentration factor to get rate/acre.
- Example 3oz NAA/100 X Conc factor of 2=6oz NAA/acre X 5 acres per spray tank=30 oz/sprayer tank
- Example 64oz Maxcel X Conc factor of 2=128oz Maxcel/acre X 5 acres per spray tank=5 gallons Maxcel/sprayer tank
- Do not use concentration factor adjustment for Sevin or surfactants.



**Fruit sizes May 26, 2022**

Variety	Inland Orleans/Niagara	Inland Wayne	Lake Wayne
Gala:	10.5 mm	10mm	9mm
Fuji:	10.5 mm	9mm	8mm
NY1:	9 mm	10mm	9mm
HC:	10.5 mm	12mm	11mm
NY2:	11 mm	10mm	9mm
Zestar!:	14 mm		
Pink Lady		9mm	
Golden Del.		10mm	
Red Del.		10mm	
Cortland		9mm	
Jonamac		12mm	
Idared		13mm	
Rome		9mm	
Jonagold		12mm	
Crispin		11mm	
Evercrisp			8mm
Minnieiska			12mm

**Updated carbohydrate balances and 10-13mm thinning recommendations will be sent on Monday May 30 around 9am. Stay tuned!**

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.  
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