

MaluSim Carbohydrate Model*

Simulation location: Winchester, VA
Simulation date: May 13, 2013 9:00AM

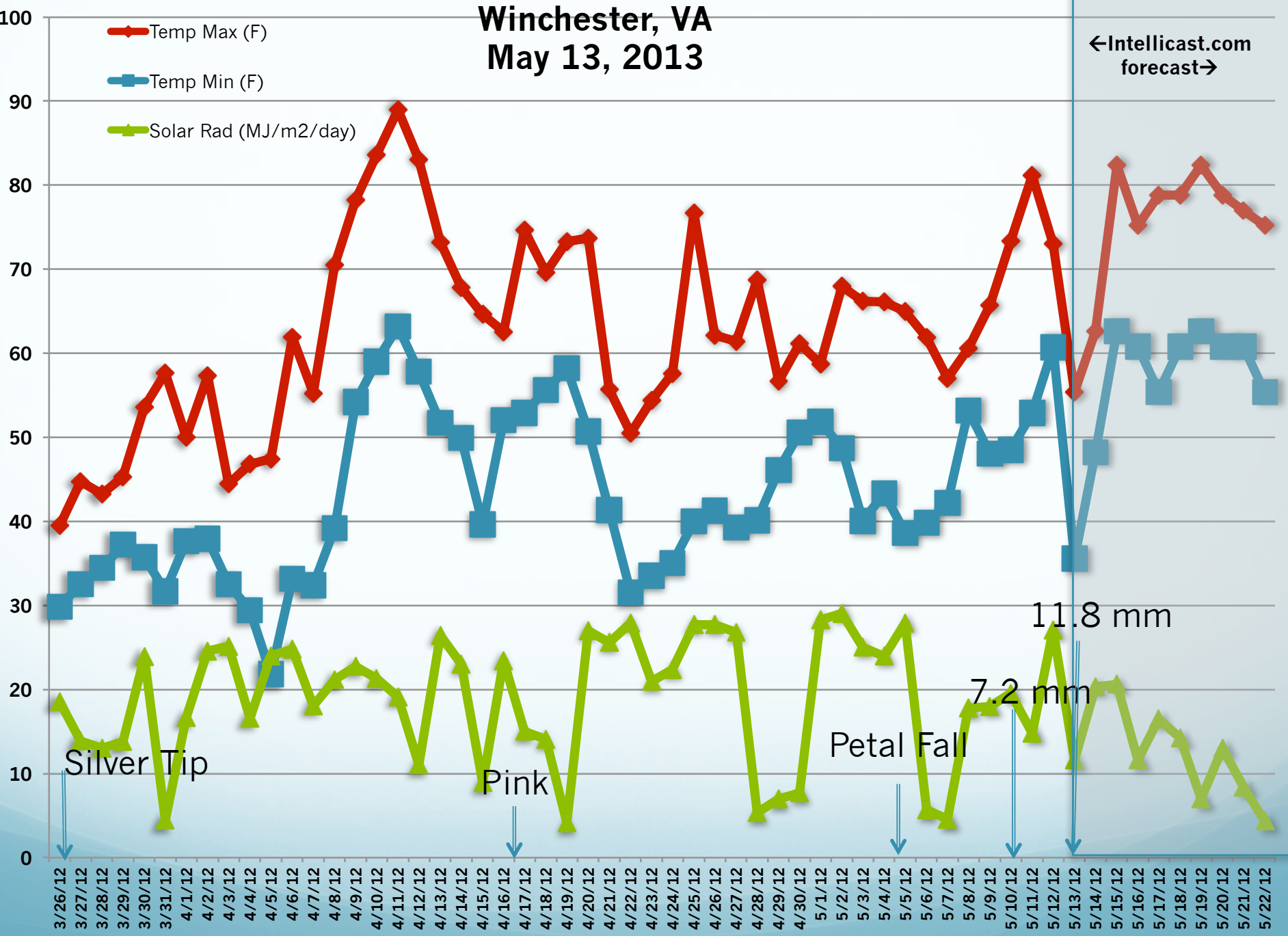
Greg Peck

*Developed by Drs. Alan Lakso and
Terence Robinson, Cornell University

Winchester, VA May 13, 2013

←Intellicast.com
forecast→

- Temp Max (F)
- Temp Min (F)
- Solar Rad (MJ/m2/day)

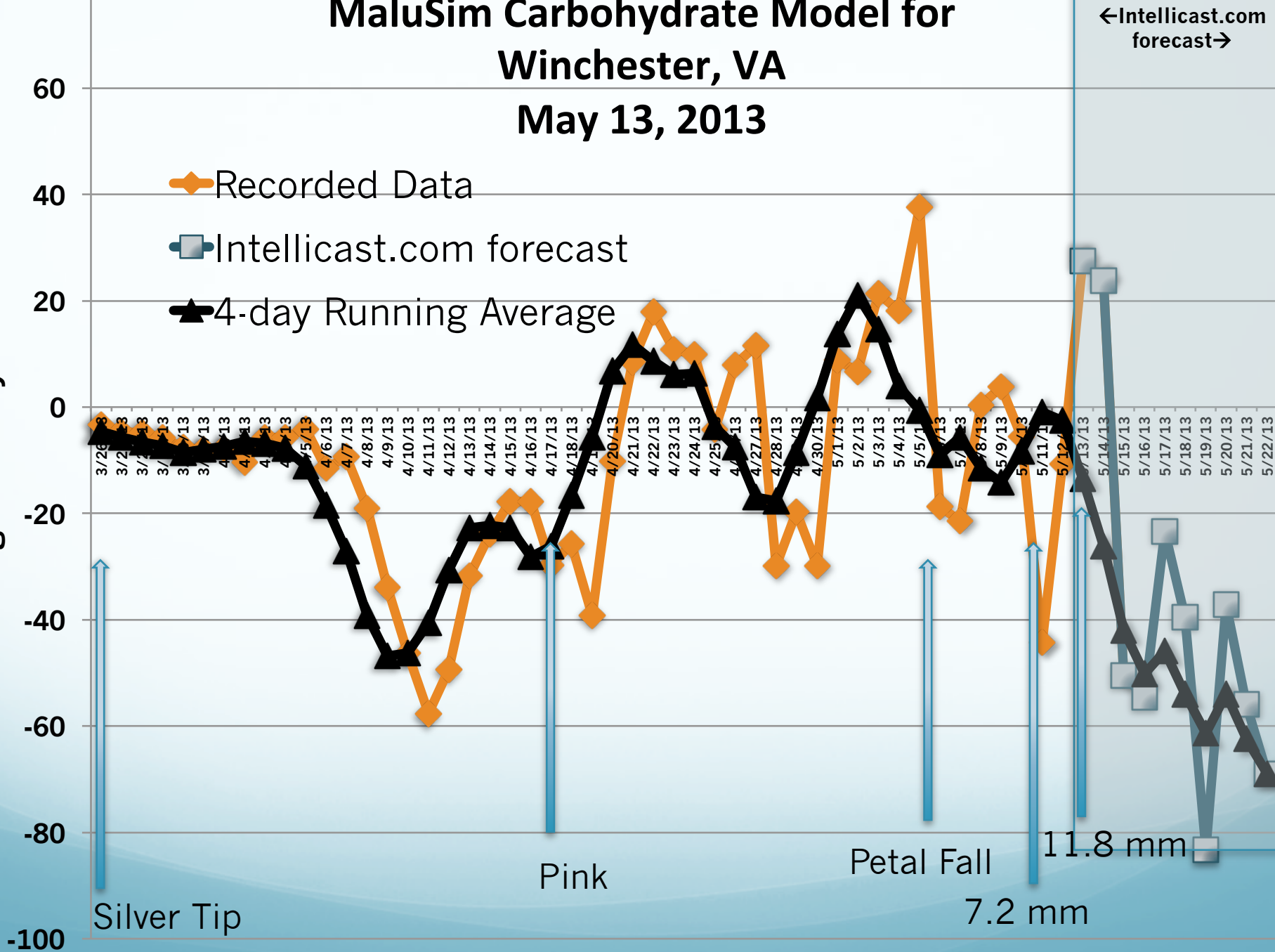


MaluSim Carbohydrate Model for Winchester, VA May 13, 2013

←Intellicast.com
forecast→

g CHO/day

- Recorded Data
- Intellicast.com forecast
- 4-day Running Average



Interpreting the MaluSim Model: look for three-to four-day trends

Thinning Index	Recommendation
>20 g/day	Expect little or no response to normal rates of chemical thinners. You will need to thin more aggressively than normal
+ 20 to -20 g/day	Expect normal thinning responses to standard rates of chemical thinners
-20 to -40 g/day	Expect normal to slightly aggressive responses to standard rates of chemical thinners
-40 to -60 g/day	Expect aggressive responses to standard rates of chemical thinners. Consider reducing rates to avoid over thinning
-60 to -80 g/day	Expect very aggressive responses to standard rates of chemical thinners. Reduce rates to avoid over thinning
< -80 g/day	Standard rates of thinners will result in severe over-thinning. Reduce rates by at least 50 percent.

(Table developed by Dr. Steve McArtney (NCSU). Additional input from Drs. Alan Lakso and Greg Peck)

Tree fruit extension and outreach



We are a collaborative team of Extension specialists and agents who deliver year-round programming for the Commonwealth's tree fruit producers. We provide our stakeholders with the latest research-based information for making sustainable management decisions on their farms. We also develop resources for beginning farmers and home fruit enthusiasts.

Our information is disseminated through this website, Extension publications, workshops, on-farm meetings, and one-on-one conversations.

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Virginia Tech Tree Fruit Extension and Outreach

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MaluSim Carbohydrate Models for May 2: Winchester and Central Virginia | Tree-Fruit Horticulture Update
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Past updates: [disease](#) | [entomology](#) | [horticulture](#)

Commercial tree fruit production updates

05/01/2013

Apple scab/rust infection period Apr 29-30, and fire blight update

From: Tree Fruit Disease Update

We recorded our third apple scab infection period Apr 29-30, with 18 hr wetting at 50-56°. This was also a likely quince rust and cedar-apple rust infection period.

FIRE BLIGHT: Below is the updated graphic from the...

04/29/2013

Apple scab infection period April 28-29

From: Tree Fruit Disease Update

At our AREC we recorded split wetting periods totalling 18 hours starting at 54° at 11 AM Apr 28 and

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- Disease updates
- Entomology updates
- Horticulture updates
- Upcoming programs & events
- VCE publications
- Additional resources
- Home fruit production
- Tree fruit extension team

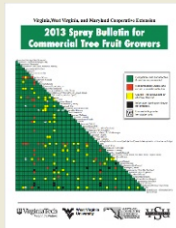


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2013 Spray Bulletin for Commercial Tree Fruit Growers



eApples
research-based information from extension



The Mid-Atlantic Regional Fruit Loop:
The Virginia Fruit Page

Tree-Fruit Horticulture Updates

Virginia Cooperative Extension

VirginiaTech
Invent the Future

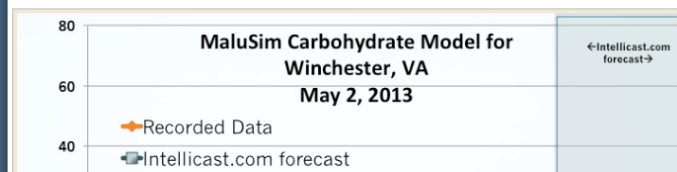
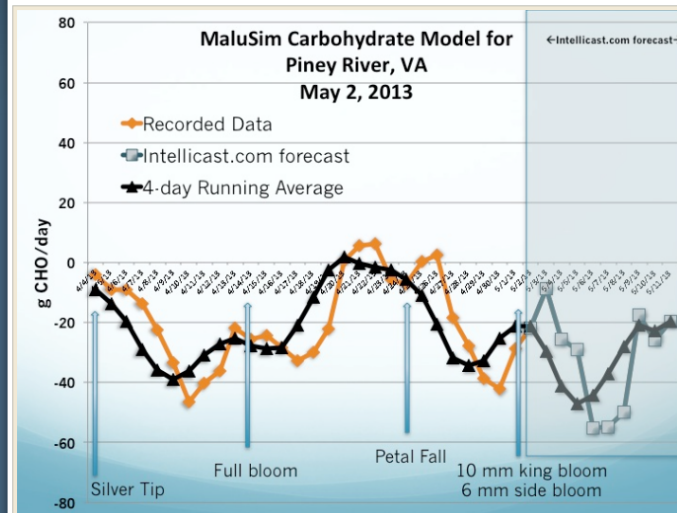
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MaluSim Carbohydrate Models for May 2: Winchester and Central Virginia

Posted on May 2, 2013 by gmpeck



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