

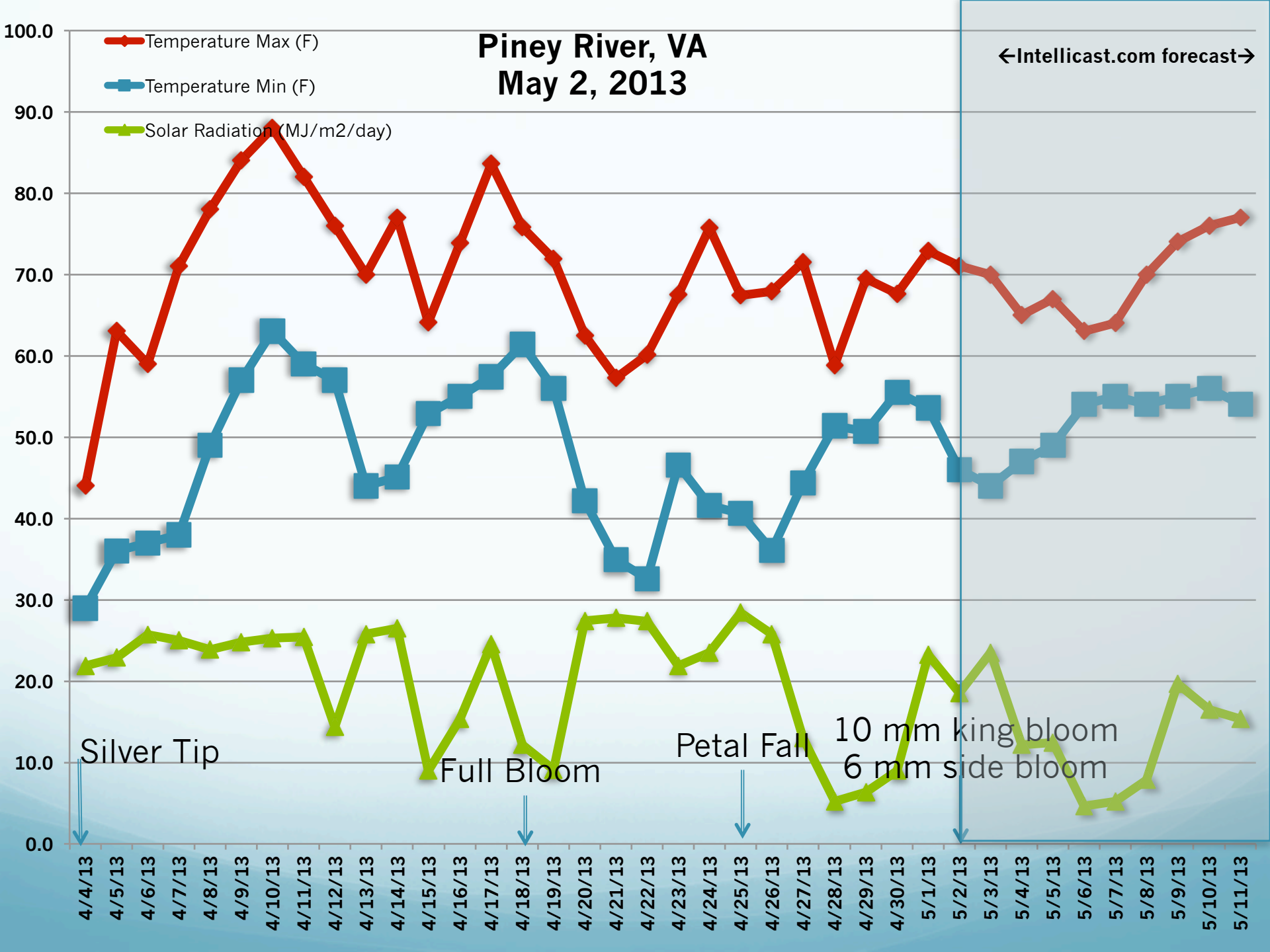
# **MaluSim Carbohydrate Model\***

**Simulation location: Piney River, VA  
(Central Virginia Fruit Growing Region)**

**Simulation date: May 2, 2013 11:00AM**

**Greg Peck**

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

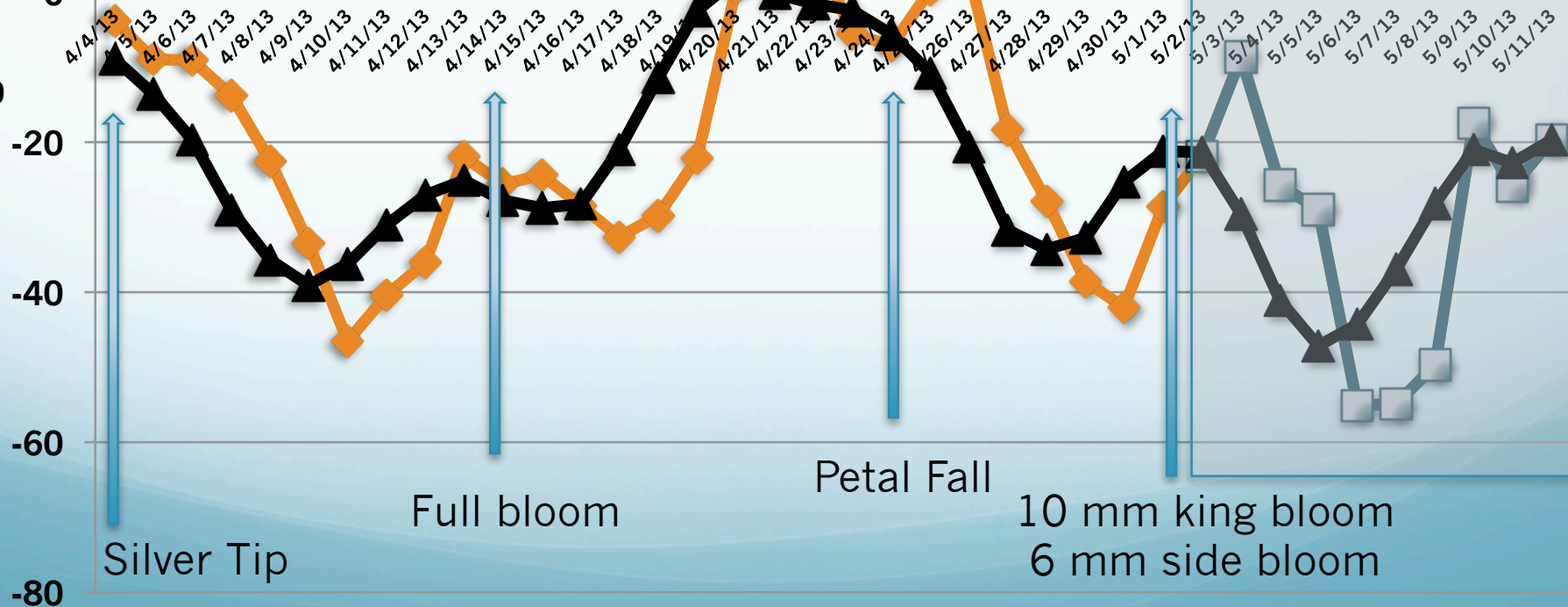


# MaluSim Carbohydrate Model for Piney River, VA May 2, 2013

←Intellicast.com forecast→

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

g CHO/day



# 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)

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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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<http://www.wmra.org/post/stink-bug-invasion-mon-3pm-UX6>

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The Stink Bug Invasion (Mon 3pm)

wmra.010

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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Alison H. Smith, Jr. AREC

Table of Contents for 2013 Spray Bulletin

Posted on April 14, 2013 by gmpack

The table of contents in the 2013 Spray Bulletin was unfortunately printed with incorrect page numbers. Dr. Chris Bergh has manually updated the 2013 Spray Bulletin Table of Contents so that you can print a copy and insert it into the Bulletin.

We have been told that there are no more printed copies of the 2013 Spray Bulletin. However, the publication can be downloaded as a free pdf by clicking on the link on the Tree Fruit Extension and Outreach website.

Update (April 15): Dr. Alan Biggs still has about 20 copies of the 2013 Spray Bulletin for sale. If you want a copy, send a check for \$14 made out to "West Virginia University" along with your mailing address to Dr. Biggs. He will send you a copy via USPS.

Dr. Alan Biggs  
WVU – KTFREC  
P.O. Box 609  
Keameysville, WV 25430

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Meetings for the Week of April 15

Posted on April 14, 2013 by gmpack

There will be two commercial fruit grower meetings this week. On Tuesday (April 16) starting at 11:00AM, we will meet at Silver Creek Orchards in Nelson County to review current crop conditions and upcoming management decisions. On Thursday (April 18) at 7:00AM, we will meet at the Alison H. Smith, Jr. AREC for our first breakfast update meeting. Immediately following the breakfast meeting at the AREC we will visit the Silver Creek Orchards.

<http://blogs.ext.vt.edu/tree-fruit-horticulture/>

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Twitter: <http://twitter.com/VTechPeck>

<http://www.anr.ext.vt.edu/tree-fruit/>