

MaluSim Carbohydrate Model*

Simulation location: Tyro, VA

Forecast Data: Piney River, VA

(Central Virginia Fruit Growing Region)

Simulation date: 27 April 2015 3:00PM

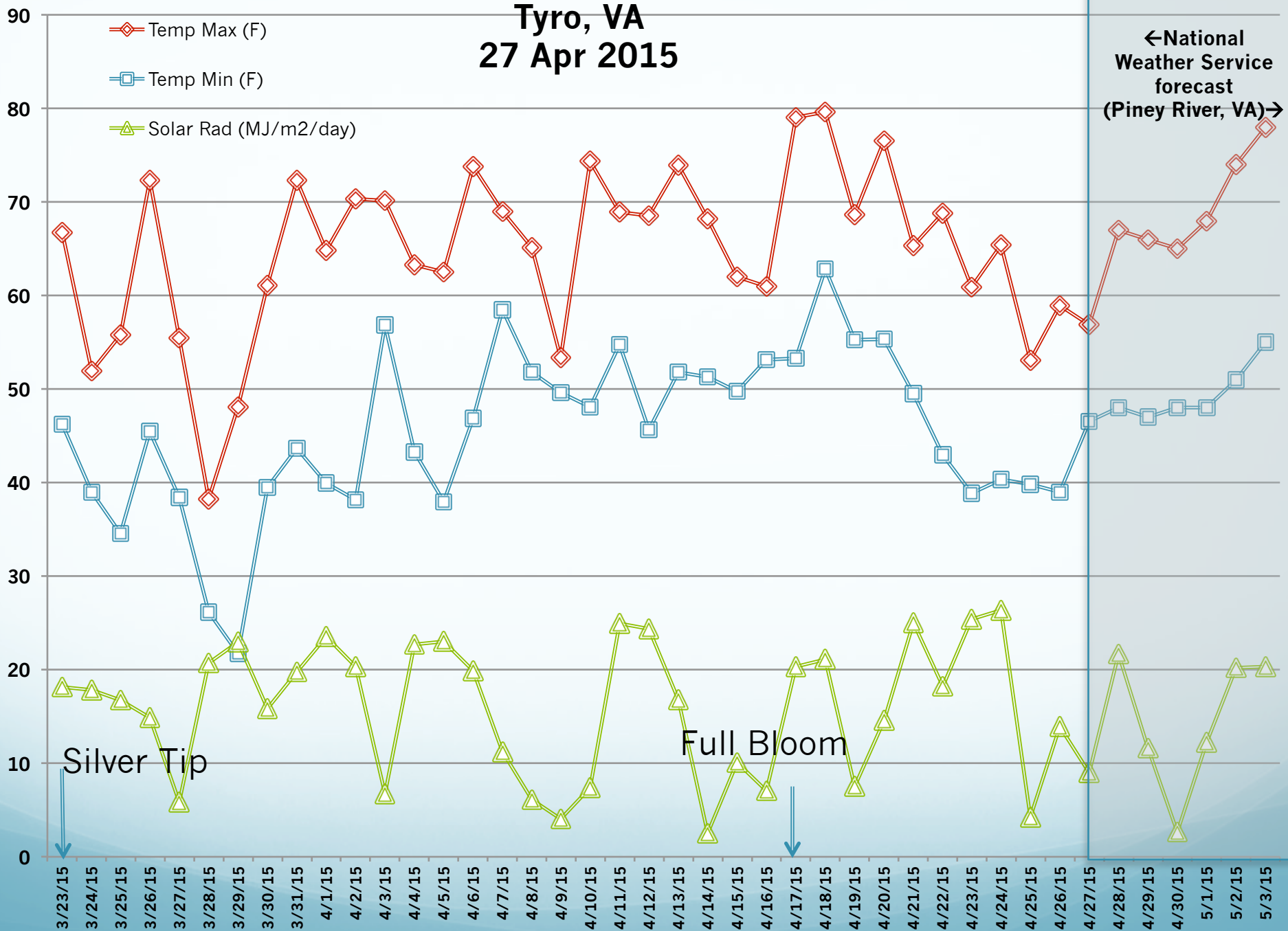
Greg Peck

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

Tyro, VA 27 Apr 2015

←National
Weather Service
forecast
(Piney River, VA)→

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



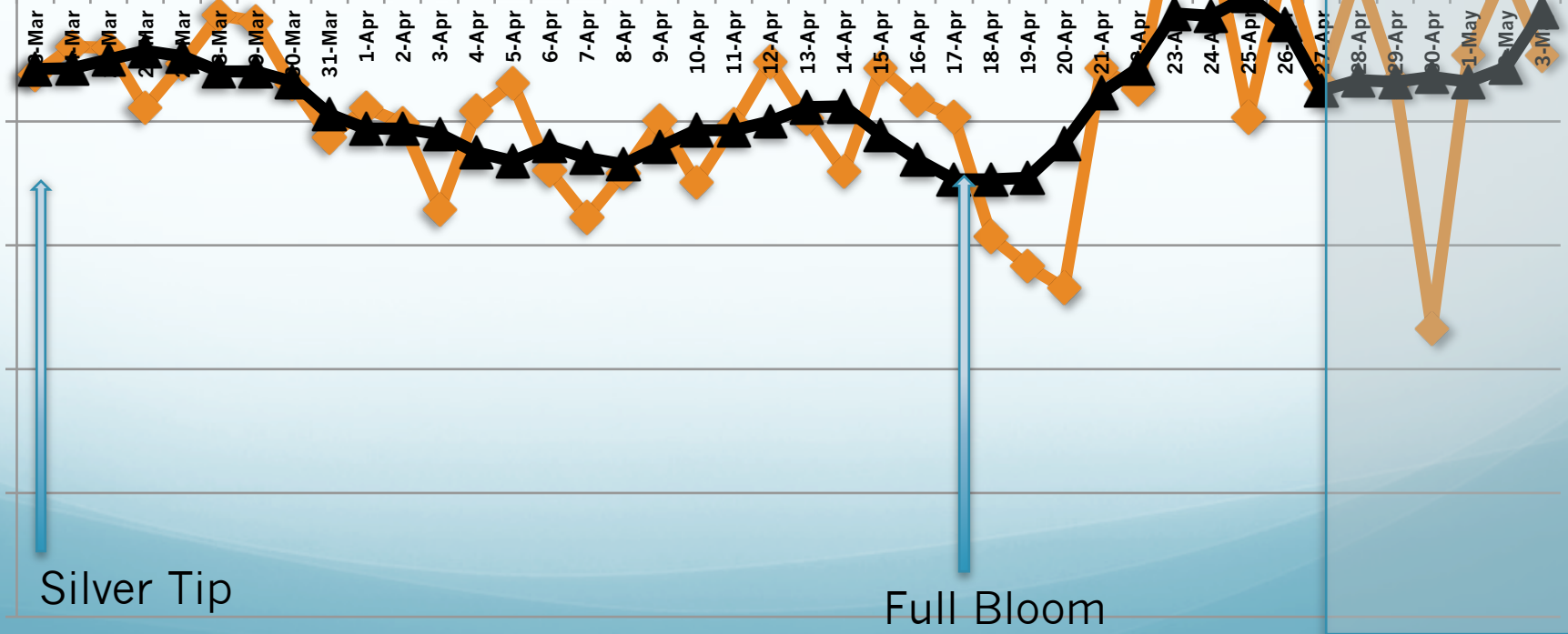
MaluSim Carbohydrate Model for Tyro, VA 27 Apr 2015

← National Weather
Service forecast →

◆ Daily ▲ 2+4-day Running
Average

g CHO/day

100
80
60
40
20
0
-20
-40
-60
-80
-100



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)

